City of Laguna Hills
City Council / Planning Agency

Regular Meeting Agenda
Tuesday, February 24, 2026 - 6:00 PM
(Closed Session at 5:00 p.m. when scheduled)

City Council Chamber
24035 El Toro Road
Laguna Hills, CA 92653

Don Caskey
Mayor

Jared Mathis
Mayor Pro Tempore

Erica Pezold
Council Member

Joshua Sweeney
Council Member

Dave Wheeler
Council Member

In Person Public Comments: Any person wishing to address the City Council/Planning Agency on any matter, whether or not it appears on this Agenda, is asked to complete a pink "Request to Speak" form available on the table at the back of the Chamber and submit the form to the City Clerk. The Request to Speak form assists the Mayor in ensuring that all persons wishing to address the City Council are recognized and ensures accurate identification of meeting participants in the City Council/Planning Agency Minutes. Completion of the form is voluntary. It is City policy to limit public testimony to up to three minutes per person, as determined by the Mayor, for Public Comments. If you are commenting on an Agenda item, your comments will be heard at the time that item is scheduled on the Agenda. If you are addressing the City Council on an item not listed on the Agenda, the City Council is prohibited by law from discussing or taking any action on that item.

Submission of Electronic Public Comments: Those wishing to make electronic public comments may submit their comments by email to the City Clerk no later than 2 hours prior to the meeting on Tuesday, February 24, 2026. In the subject line of the email, please state your name and the item number you are commenting on. Any public comment received that does not specify a particular agenda item number will be announced during the general public comment portion of the agenda. All comments received by the deadline on the date of the meeting will be provided to the City Council and will be provided for public inspection at the meeting. During the applicable agenda item, the City Clerk will announce the name of the sender and subject matter of all electronic comments received by the deadline on Tuesday, February 24, 2026. Email comments will NOT be read by the City Clerk during the meeting. Electronic public comments may only be submitted via email and comments via text and social media (Facebook, X (formerly Twitter), etc.) will not be accepted.

For questions or assistance, please contact the City Clerk's Office at (949) 707-2635 or via email.

General Business Convening at 6:00 PM

Call to Order

Resolution No. 96-04-09-1 established rules of decorum for public meetings held by the City of Laguna Hills. Resolution No. 96-04-09-1 is available on the table at the back of the City Council Chamber.

Invocation: Elder Tom Munson of Christ Community Church

Pledge of Allegiance: Council Member Wheeler

Roll Call of City Council Members

1. Presentations and Proclamations

1.1 Laguna Hills High School Student Liaison Report

Recommendation: That the City Council receive a report from Laguna Hills High School Student Liaison Katherine Armstrong.

1.2 American Red Cross Month Proclamation

Recommendation: That the City Council issue a Proclamation declaring March 2026 as "American Red Cross Month" and that Mayor Caskey present the Proclamation to American Red Cross Southern California Orange County Representative Ross Chun.

1.3 2025 Laguna Hills Deputy of the Year

Recommendation: That Mayor Caskey present a Certificate of Recognition to Deputy Dylan Stephenson, 2025 Laguna Hills Deputy of the Year

2. Schedule of Future Events

2.1 Schedule of Future Events

Recommendation: That the Community Services Director announce the upcoming meetings and events.

3. Public Comments

This is the time to address the City Council on any matter not listed on this Agenda that is within the subject matter jurisdiction of the City Council. Public Comments are limited to three minutes per person, as determined by the Mayor.

4. Consent Calendar

All matters listed under “CONSENT CALENDAR” are considered to be routine and will be enacted by one motion approving the recommendation listed on the Agenda. There will be no separate discussion unless Members of the City Council or City staff request specific items be removed from the Consent Calendar.

4.1 Waive Reading in Full of all Ordinances and Resolutions on the Agenda

Recommendation: That the City Council waive reading in full of all ordinances and resolutions on the agenda and declare that said titles which appear on the public agenda shall be determined to have been read by title and further reading waived.

4.2 Approval of Minutes for February 10, 2026, Special Meeting

Recommendation: That the City Council approve the City Council/Planning Agency Minutes for the February 10, 2026, Special Meeting.

4.3 Approval of Minutes for February 10, 2026, Regular Meeting

Recommendation: That the City Council approve the City Council/Planning Agency Minutes for the February 10, 2026, Regular Meeting.

4.4 Ratification of February 24, 2026 Warrant Register

Recommendation: That the City Council ratify the accompanying Warrant Register for the period from January 30, 2026, to February 12, 2026, in the amount of $1,303,066.31.

4.5 Treasurer's Investment Report for January 2026

Recommendation: That the City Council receive and file the Treasurer's Investment Report for the month of January 2026.

4.6 Award of Professional Services Agreement to Psomas for Paseo de Valencia and Cabot Road Active Transportation Enhancements, CIP 191

Recommendation: That the City Council: 1. Award a Professional Services Agreement to Psomas for Paseo de Valencia and Cabot Road Active Transportation Enhancements in amount of $817,298; and 2. Authorize the City Manager to execute the Agreement.

4.7 Proposed Installation of Parking Space Markings on Via Lomas

Recommendation: That the City Council authorize the City Engineer to install painted parallel parking space markings on Via Lomas.

4.8 Proposed License Agreements for 24031 El Toro Road, Suites 250A, 250B, 250C, and 250E, Laguna Hills, California

Recommendation: That the City Council: 1. Approve the proposed license agreements for 24031 El Toro Road, Suites 250A, 250B, 250C, and 250E, Laguna Hills, California; and 2. Authorize the City Manager to make minor modifications, as necessary, to the license agreements and to execute the agreements.

4.9 Development Application Status Report

Recommendation: That the City Council receive and file the report.

Items Removed from the Consent Calendar

5. Planning Agency

5.1 Roll Call of Planning Agency Members

5.2 Public Comments

5.3 Approval of Minutes

5.4 Administrative Reports

5.5 Planning Agency Public Hearings

5.5.1 Vesting Tentative Tract Map/Site Development Permit/Precise Plan/Conditional Use Permit/Parking Use Permit No. 0209-2025 (Terravita)

Recommendation: That the Planning Agency:

1. Conduct a public hearing;
2. Find and determine that the proposed project is exempt from the California Environmental Quality Act as an infill development housing project pursuant to Assembly Bill 130 (Public Resources Code Section 21080.66); and
3. Adopt a Resolution entitled: A Resolution of the Planning Agency of the City of Laguna Hills, California, conditionally approving Vesting Tentative Tract Map / Site Development Permit / Precise Plan / Conditional Use Permit / Parking Use Permit No. 0209-2025, a request by John Stack, on behalf of Kingsbarn Capital and Development, LLC, to permit a project that consists of: the subdivision of an existing 18.5-acre parcel located at 23272, 23282, 23332, 24411, and 23422 Mill Creek Drive and 24461 and 24411 Ridge Route Drive (APN 588-161-06, 588-161-07 588-161-08 588-161-09 588-161-10, 588-161-11, 588-161-12, and 588-161-13);

demolition of seven existing office buildings and surface parking and the construction of a new 480-unit residential development consisting of 259 attached single family units, 221 multi-family units, including 24 affordable units for very low income households, waivers of development standards per State Density Bonus Law, and a 6-story, 380-stall parking structure on Lot 4; and finding the Project exempt from the California Environmental Quality Act as an infill development housing project pursuant to Assembly Bill 130 (Public Resources Code section 21080.66).

5.6 Planning Agency Adjournment

6. City Council Public Hearings

7. Administrative Reports

7.1 City Manager

8. Matters Agendized and Presented by City Council Members

9. City Council Member Committee Reports

9.1 Committee Assignment Report

Recommendation: That the City Council receive reports from the City Council Members on the City Council Committee Assignments listed on the staff report.

10. City Council Member Comments

Adjournment

The next Regular Meeting of the City Council/Planning Agency will be March 10, 2026, at 6:00p.m., in the City Council Chamber, located at 24035 El Toro Road, Laguna Hills, California.

CERTIFICATION

I, JENNIFER LEE, City Clerk of the City of Laguna Hills, do hereby certify that a copy of the foregoing Agenda was posted at Laguna Hills City Hall, Laguna Hills Community Center, and Knotty Pine Park by February 20, 2026, at 5:00p.m.

Jennifer Lee, CMC, City Clerk

It is the intention of the City of Laguna Hills to comply with the Americans with Disabilities Act in all respects. If as an attendee or a participant at this meeting you will need special assistance beyond what is normally provided, the City of Laguna Hills will attempt to accommodate you in every reasonable manner. Please contact the office of the City Clerk at (949) 707-2635. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to assure accessibility to this meeting.

Materials related to an item on this Agenda submitted to the City Council after distribution of the agenda packet are available for public inspection in the City Clerk's Office at 24035 El Toro Road, Laguna Hills, California, during normal business hours. In addition, such writings or documents will be made available for public review on the Agenda and Minutes public portal website and at the respective public meeting.

City Council Members receive no additional compensation or stipend as a result of simultaneously convening meetings of the Laguna Hills Planning Agency.

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: February 24, 2026
To: Mayor and Council Members
From: Kayle McDonald, Deputy City Clerk
Issue: American Red Cross Month Proclamation

Recommendation: That the City Council issue a Proclamation declaring March 2026 as "American Red Cross Month" and that Mayor Caskey present the Proclamation to American Red Cross Southern California Orange County Representative Ross Chun.

Background:

March is annually recognized nationally as "American Red Cross Month." Staff is recommending that the City Council issue the Proclamation to be presented to American Red Cross Orange County Representative Ross Chun at the February 24, 2026, City Council meeting.

Fiscal Impact:

There is no fiscal impact associated with the issuance of the Proclamation.

Attachments:

1. Proclamation- American Red Cross Month March 2026

CITY OF LAGUNA HILLS
PROCLAMATION

AMERICAN RED CROSS MONTH
MARCH 2026

WHEREAS, *during American Red Cross Month in March, we recognize the compassion of people in Orange County and reaffirm our commitment to care for one another in time of crisis.*

WHEREAS, *this generous spirit is woven into the fabric of our community and advances the humanitarian legacy of American Red Cross founder Clara Barton-one of the most honored women in our country's history-who nobly dedicated herself to alleviating suffering.*

WHEREAS, *today, kindhearted individuals in our community exemplify Barton's commitment as they step up through the American Red Cross of Orange County to provide a beacon of hope for out neighbors in need. Through their voluntary and selfless contributions, they make a lifesaving difference in people's darkest hours-whether its delivering shelter, food and comfort during disasters; providing critical blood donations for hospital patients; supporting military families, veterans and caregivers through the unique challenges of service; saving lives with first aid, CPR and other skills; or delivering aid and reconnecting loved ones separated by global crisis.*

WHEREAS, *we hereby recognize this month of March in honor of all those who lead with their hearts to serve people in need, and we ask everyone to join in this commitment to strengthen our community.*

NOW, THEREFORE, *I, Don Caskey, Mayor, on behalf of the City Council of the City of Laguna Hills, California, do hereby proclaim the month of March 2026, as "American Red Cross Month" and encourage all residents of Laguna Hills to reach out and support its humanitarian mission.*

Dated this 24th day of February 2026.

DON CASKEY, MAYOR

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: February 24, 2026
To: Mayor and Council Members
From: Bill Burk, Chief of Police Services
Issue: 2025 Laguna Hills Deputy of the Year

Recommendation: That Mayor Caskey present a Certificate of Recognition to Deputy Dylan Stephenson, 2025 Laguna Hills Deputy of the Year

Background:

The Orange County Sheriff's Department, Laguna Hills Police Services is considered among the best and most professional law enforcement departments in the state. Each year, a Deputy of the Year is selected. This selection is based on exemplary performance, team cohesiveness, and dedication to the community of Laguna Hills. Deputy of the Year is an honor and a significant accomplishment. Deputy Dylan Stephenson has been chosen as Deputy of the Year for 2025.

Deputy Stephenson was selected as the 2025 Deputy of the Year in recognition of his exceptional performance, dedication, and unwavering commitment to public safety and community service in the City of Laguna Hills. Throughout the year, Deputy Stephenson consistently distinguished himself as a top performer in arrests, proactive enforcement stops, and contraband recovery, making a measurable impact on crime reduction effort s citywide.

Deputy Dylan Stephenson demonstrated outstanding leadership during a highly successful pre–July 4th gang suppression operation, helping ensure a safe and secure community celebration during a high-visibility holiday period. His proactive enforcement strategies played a critical role in deterring criminal activity and maintaining public safety throughout the city.

One of the most important responsibilities within the Orange County Sheriff's Department is serving as a Field Training Officer. Deputy Stephenson fulfills this role with professionalism and dedication, mentoring new deputies and leading by example through accountability, strong work ethic, and teamwork. His ability to guide and develop new personnel reflects his extensive job knowledge and commitment to the success of the department.

Deputy Stephenson has also been instrumental in the recovery of dozens of stolen e-bikes within Laguna Hills. Working closely with our department's regional Direct Enforcement Team, he helped identify offenders, facilitate arrests, and return stolen property to community members. His collaborative efforts strengthened investigative outcomes and reinforced partnerships within the department.

In addition to his enforcement accomplishments, Deputy Stephenson serves as the station's Behavioral Health Liaison. In this role, he balances proactive policing with compassionate, service-oriented outreach by connecting homeless individuals and those experiencing mental health crises with appropriate resources and support services. His work demonstrates a commitment not only to enforcement but also to long-term community wellbeing.

Deputy Stephenson understands the importance of teamwork and collaboration. His professionalism and reliability make him a valued partner among patrol deputies, investigators, and specialized teams. He consistently steps forward to support department initiatives and community events, always prioritizing the safety and quality of life of Laguna Hills residents.

Professional, proactive, and mission-focused, Deputy Dylan Stephenson embodies the core values of Laguna Hills Police Services. His leadership, dedication, and service make him exceptionally deserving of the 2025 Deputy of the Year honor.

Congratulations to Deputy Dylan Stephenson on this well-earned recognition.

Fiscal Impact:

There is no fiscal impact associated with this item.

Attachments:

1. Certificate of Recognition-Deputy of the Year 2025 Dylan Stephenson

CITY OF LAGUNA HILLS

CERTIFICATE OF RECOGNITION

DYLAN STEPHENSON

Deputy Sheriff
City of Laguna Hills
2025 Deputy of the Year
Orange County Sheriff's Department

WHEREAS, *Deputy Dylan Stephenson has faithfully, professionally, and diligently served as a Deputy Sheriff for the City of Laguna Hills since April 2023; and*

WHEREAS, *Deputy Stephenson has performed in an exemplary manner, expanding his knowledge as a Behavioral Health Liaison, where he balances proactive policing with compassionate, service-oriented outreach by connecting unhoused individuals and those experiencing mental health crises with appropriate resources. He also serves as a Field Training Officer, mentoring new deputies and leading by example through professionalism, accountability, and teamwork.*

WHEREAS, *Deputy Stephenson has fostered a strong partnership between the Orange County Sheriff's Department, the City of Laguna Hills, city staff, our contracted homeless outreach workers and our Community; and*

WHEREAS, *Deputy Stephenson was overwhelmingly selected by his peers and supervisors to be recognized for his dedication to duty by being named the 2025 Laguna Hills Deputy of the Year.*

NOW, THEREFORE, *I, Donald Caskey, Mayor, on behalf of the City Council of the City of Laguna Hills, California, do hereby recognize, commend, and thank Deputy Dylan Stephenson for his distinguished and dedicated service to the City of Laguna Hills and urge all Laguna Hills citizens to join the City in this expression of our appreciation for his dedication to duty.*

Dated this 24th day of February 2026.

DONALD CASKEY, MAYOR

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: February 24, 2026
To: Mayor and Council Members
From: Holland Gannon, Community Services Director
Issue: Schedule of Future Events

Recommendation: That the Community Services Director announce the upcoming meetings and events.

Meetings:

City Council/Planning Agency Regular Meetings
Tuesday, March 10th, 6:00 p.m., Laguna Hills Civic Center Council Chamber
Tuesday, March 24th, 6:00 p.m., Laguna Hills Civic Center Council Chamber

Events, Communication, & Beautification Committee Regular Meeting
Monday, March 9th, 10:00 a.m., Laguna Hills Civic Center Admin Conference Room

Traffic Commission Regular Meeting
Wednesday, March 18th, 6:00 p.m., Laguna Hills Civic Center Council Chamber

Events:

Book to Movie Club
Wednesday, February 4th, 5:30 p.m., Laguna Hills Community Center Heritage Room C

Storytime Adventures
Thursday, February 5th, 10:30 a.m., Laguna Hills Community Center Heritage Room A

Excursion to Cherry Blossom Festival
Friday, March 13th, 2:00 p.m. – 10:00 p.m., meet at the Laguna Hills Community Center

Hoppin' Hills
Saturday, March 28th, 9:00 a.m. – 11:00 a.m., Laguna Hills Community Center Town Green

Attachments:

1. Event and Activities Flyer(s)

The Laguna Hills Community Center and Laguna Hills Library Present



BOOK TO MOVIE CLUB

March Book to Movie: Louis Sachar's *Holes*



5:30 PM Discussion

6:30 PM Movie

1st Wednesday of Every Month

Public Libraries
Open Doors. Free Access. Community.

25555 Alicia Pkwy

Laguna Hills Community Center &
Laguna Hills Technology Library Present



Kids Storytime Adventures!

Every first Thursday of the month
10:30am - 12:00 pm

25555 Alicia Pkwy
Laguna Hills, CA 92653

Public Libraries
Open Doors. Free Access. Community.

No registration required!

Excursion to Cherry Blossom Festival



Enjoy the harmony and elegance of traditional Japanese landscapes that features koi ponds, winding paths, stone lanterns, and carefully pruned trees that invite quiet reflection and appreciation of nature. During the Cherry Blossom Festival the garden comes alive with performances, food vendors, and hundreds of blooming cherry trees with sakura petals framing the pathways and water features. **Please note: Admission tickets are not included, and additional costs will apply.** Participants are encouraged to bring plenty of water, snacks, and a sack lunch—or enjoy meals at nearby eateries. Participants meet at the Laguna Hills Community Center where City staff will provide transportation. Call (949) 707-2680 for more information. **No refunds or transfers for this event.**

Class# 2109

3/13 2:00PM-10:00PM Sunday

Fee: Resident $20, Non-Resident $25

Like us on at www.facebook.com/lagunahillscc

To register or for more information, please call (949) 707-2680 or visit www.lagunahillsca.gov

Hoppin' Hills



Join the Laguna Hills Community Services Team for a morning of FREE spring-themed fun! We will have donuts, photo opportunities, crafts, face painting, and an entertaining juggling show!

SATURDAY, MARCH 28

9 am - 11 am

Town Green at the Laguna Hills Community Center and Sports Park

lagunahillsca.gov
949.707.2680

FINANCIAL PARTNERS CREDIT UNION

City of Laguna Hills
City Council
Special Meeting
Minutes
Tuesday, February 10, 2026

Call to Order

The meeting was called to order at 4:00 p.m. by Mayor Caskey.

Roll Call of City Council Members

Present:
Mayor Don Caskey
Mayor Pro Tempore Jared Mathis
Council Member Erica Pezold
Council Member Joshua Sweeney
Council Member Dave Wheeler

Absent:

Announcement of Closed Session Item(s)

A. Conference with Legal Counsel - Anticipated Litigation

Pursuant to Government Code Section 54956.9
Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Section 54956.9 and paragraph (1) of subdivision (e) of Government Code Section 54956.9: (2 potential cases).

Public Comments

There were no public comments on the closed session item.

Convene into Closed Session

Reconvene

The City Council reconvened in the City Council Chamber at 6:19 p.m.

Closed Session Report

A. Conference with Legal Counsel - Anticipated Litigation
Pursuant to Government Code Section 54956.9
Significant exposure to litigation pursuant to paragraph (2) of subdivision (d) of Section 54956.9 and paragraph (1) of subdivision (e) of Government Code Section 54956.9: (2 potential cases).
Mayor Caskey stated that the City Council convened into Closed Session pursuant to the authorities listed on the Agenda with no reportable action.

Adjournment

There being no further business before the City Council at this session, Mayor Caskey declared the meeting adjourned at 6:20 p.m.

_____
Jennifer Lee, City Clerk

ATTEST:

_____
Don Caskey, Mayor

Approved at meeting of February 24, 2026.

City of Laguna Hills
City Council / Planning Agency
Regular Meeting
Minutes
Tuesday, February 10, 2026

General Business Convening at 6:00 PM

Call to Order

The meeting was called to order at 6:20 p.m. by Mayor Caskey.

Invocation: Council Member Sweeney

Pledge of Allegiance: Council Member Sweeney

Roll Call of City Council Members

Present:	**Absent**:
Mayor Don Caskey	
Mayor Pro Tempore Jared Mathis	
Council Member Erica Pezold	
Council Member Joshua Sweeney	
Council Member Dave Wheeler	

1. Presentations and Proclamations

1.1 Appointment of Laguna Hills High School Student Liaisons Katherine Armstrong and Peyton Edberg

Mayor Pro Tempore Mathis presented Certificates of Appointment to Laguna Hills High School Student Liaisons, Katherine Armstrong and Peyton Edberg.

1.2 Laguna Hills High School Student Liaison Report

The City Council received a report from Laguna Hills High School Student Liaison Peyton Edberg.

2. Schedule of Future Events

2.1 Schedule of Future Events

Community Services Director Gannon announced the upcoming meetings and events.

3. Public Comments

The following individual(s) provided public comments on non-agendized items:

Katherine Armstrong, District Intern, Supervisor Katrina Foley's Office
Curtis Van Buskirk
Danny MacNar

4. Consent Calendar

A motion to approve the Consent Calendar was moved by Mayor Pro Tempore Mathis, seconded by Council Member Sweeney.

Roll Call Vote Result: Passed
Yes 5, No 0, Abstained 0

Ayes:	Mayor Caskey, Mayor Pro Tempore Mathis, Council Member Pezold, Council Member Sweeney, Council Member Wheeler
Nays:	None
Abstain:	None

4.1 Waive Reading in Full of all Ordinances and Resolutions on the Agenda

Recommendation: That the City Council waive reading in full of all ordinances and resolutions on the agenda and declare that said titles which appear on the public agenda shall be determined to have been read by title and further reading waived.

4.2 Approval of Minutes for January 27, 2026, Regular Meeting

Recommendation: That the City Council approve the City Council/Planning Agency Minutes for the January 27, 2026, Regular Meeting.

4.3 Ratification of February 10, 2026 Warrant Register

Recommendation: That the City Council ratify the accompanying Warrant Register for the period from January 16, 2026, to January 29, 2026, in the amount of $954,423.41.

Items Removed from the Consent Calendar

There were no items removed from the Consent Calendar.

5. Planning Agency

Mayor Caskey recessed the City Council Meeting, and acting in capacity as Chair, called the Regular Meeting of the Planning Agency of the City of Laguna Hills, California, to order at 6:52 p.m.

5.1 Roll Call of Planning Agency Members

Present:
Chair Don Caskey
Vice Chair Jared Mathis
Agency Member Erica Pezold
Agency Member Joshua Sweeney
Agency Member Dave Wheeler

Absent:

5.2 Public Comments

There were no public comments for the Planning Agency on non-agendized items.

5.3 Approval of Minutes

The Planning Agency Minutes are approved by the City Council.

5.4 Administrative Reports

There were no Planning Agency administrative reports.

5.5 Planning Agency Public Hearings

5.5.1 Vesting Tentative Tract Map (VTTM)/Site Development Permit (SDP) No. USE-0211-2025 (23161 Mill Creek Drive/Toll Brothers/Khoshbin)

Recommendation: That the Planning Agency:

1. Conduct a public hearing;

2. Find and determine that the proposed Project is categorically exempt from the California Environmental Quality Act (CEQA) pursuant to the Class 32 Exemption applicable to infill development projects (14 Cal.Code.Regs. Section 15332); and

3. Adopt a Resolution entitled: “A Resolution of the Planning Agency of the City of Laguna Hills, California, approving Vesting Tentative Tract Map (VTTM)/Site Development Permit (SDP) No. USE-0211-2025, a request by Toll West Coast, LLC (Toll Brothers) for approval of a 36-unit residential development on an approximately 2.44 acre parcel located at 23161 Mill Creek Drive (APN 588-142-07), and finding that the project is Categorically Exempt from the California Environmental Quality Act pursuant to the Class 32 exemption applicable to infill development projects (14 Cal. Code. Regs. Section 15332).”

Contract Assistant Planner Blumenthal reviewed the information provided in the staff report, provided a visual presentation, and responded to Agency Member requests for additional information.

Community Development Director Lowe responded to Agency Member requests for additional information.

Assistant City Attorney Eggart responded to Agency Member requests for additional information.

Chair Caskey opened the public hearing.

Project applicant Eric Everhart, Senior Land Entitlement Manager, Toll Brothers, provided a visual presentation, responded to Agency Member requests for additional information and agreed to abide by the proposed conditions of approval on the project.

Project applicant, Aylene Chu, P.E., Director of Land Entitlements, Toll Brothers, responded to Agency Member requests for additional information.

The following individuals submitted an electronic public comment on Item No. 5.5.1 that was received, forwarded to the Planning Agency prior to the meeting, posted on the City's website, and announced into the record by Deputy City Clerk McDonald:

Ana Gromis on behalf of Building Industry Association (BIA) of Southern California, Inc.

James Llyod on behalf of California Housing Defense Fund (CalHDF)

The following individual(s) provided public comments on Item No. 5.5.1.:

Cathy Udovch

Project Applicant, Eric Everhart, Senior Land Entitlement Manager, Toll Brothers, provided final remarks.

Chair Caskey closed the public hearing.

A motion to approve staff's recommendation was moved by Agency Member Sweeney, seconded by Vice Chair Mathis.

Vote Result: Passed
Yes 4, No 1, Abstained 0

Ayes:	Chair Caskey, Vice Chair Mathis, Agency Member Pezold, Agency Member Sweeney
Nays:	Agency Member Wheeler
Abstain:	None

5.6 Planning Agency Adjournment

Chair Caskey adjourned the Planning Agency Meeting at 8:14 p.m. and convened the Public Improvement Corporation (PIC) Meeting.

Mayor Caskey reconvened the City Council meeting at 8:17 p.m. All City Council Members were present in Chamber.

6. City Council Public Hearings

There were no City Council public hearings.

7. Administrative Reports

7.1 City Manager

The City Manager provided no administrative reports.

7.2 Community Services Director

7.2.1 2026 4th of July Fireworks Display

Recommendation: That the City Council:

1. Review proposed options and select and approve either Option 1, Option 2, or Option 3;

2. Direct the City Attorney's office to draft an Amendment No. 1 to the previously approved 2026 4th of July Celebration Fireworks Display Agreement with Garden State Fireworks, Inc. (GSF), reflecting the Council-selected option and any other changes to the Scope of Work;

3. Authorize the City Manager to approve and execute the Amendment;

4. Authorize and direct the Finance Director to amend the budget, accordingly; and

5. Discuss and provide direction for the firework display soundtrack.

Community Services Director Gannon reviewed the information provided in the staff report and responded to Council Member requests for additional information.

City Manager Wingenroth responded to Council Member requests for additional information.

A motion to approve staff's recommendation with Option 3 was moved by Mayor Pro Tempore Mathis, seconded by Council Member Wheeler.

Vote Result: Passed
Yes 5, No 0, Abstained 0

Ayes:	Mayor Caskey, Mayor Pro Tempore Mathis, Council Member Pezold, Council Member Sweeney, Council Member Wheeler
Nays:	None
Abstain:	None

7.2.2 2026-2028 Half Marathon, 5k and 10k Honoring USMC Dark Horse Battalion Medal Series

Recommendation: That the City Council discuss and provide direction for the 2026-2028 Half Marathon, 5k and 10k Honoring USMC Dark Horse Battalion Medal Series design.

Community Services Director Gannon reviewed the information provided in the staff report and responded to Council Member requests for additional information.

The City Council provided direction to staff.

8. Matters Agendized and Presented by City Council Members

There were no matters agendized by City Council Members.

9. City Council Member Committee Reports

9.1 Committee Assignment Report

There were no reports from City Council Members on City Council Committee Assignments.

10. City Council Member Comments

Council Member Wheeler

Council Member Wheeler requested a discussion regarding a request from Carl Heft, OC Business Council, on the adoption of a resolution against human trafficking and received a second from Council Member Pezold.

Council Member Wheeler expressed his desire to have a discussion amongst the City Council regarding confidential sales tax information and his frustration that the Brown Act prevents it.

Council Member Pezold

Council Member Pezold highlighted the Laguna Hills Little League and their efforts in the community.

Adjournment

There being no further business before the City Council at this session, Mayor Caskey declared the meeting adjourned at 8:52 pm

_____

Jennifer Lee, City Clerk

ATTEST:

_____

Don Caskey, Mayor

Approved at meeting of February 24, 2026.

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: February 24, 2026
To: Mayor and Council Members
From: Eric Hendrickson, Finance Director
Issue: Ratification of February 24, 2026 Warrant Register

Recommendation: That the City Council ratify the accompanying Warrant Register for the period from January 30, 2026, to February 12, 2026, in the amount of $1,303,066.31.

Background:

The City issues accounts payable disbursements on a regular basis and presents it to the City Council for ratification at its next regularly scheduled City Council Meeting. The attached Warrant Register containing checks and electronic funds transfers for the period from January 30, 2026, to February 12, 2026, is being presented for ratification by the City Council. Payments have been reviewed and approved by the appropriate departmental staff. The Finance Director certifies to the accuracy of the attached register and to the availability of monies for payment thereof.

Fiscal Impact:

Ratification of the accompanying Warrant Register includes disbursements totaling $1,303,066.31.

Attachments:

1. Warrant Register - February 24, 2026
2. Payables Detail Report - February 24, 2026

Warrant Register - February 24, 2026

City of Laguna Hills, CA

By Check Number

Date Range: 01/30/2026 - 02/12/2026

Check Number	Vendor Number	Vendor Name	Payment Date	Payment Amount
Payment Type: Regular				
6182	A-0138	ALL CITY MANAGEMENT, INC.	02/05/2026	9,401.60
6183	W-2453	CAROLYN WOJCIECHOWSKI	02/05/2026	483.00
6184	C-1021	CIVIC SOLUTIONS, INC.	02/05/2026	6,303.00
6185	C-1181	CIVICPLUS, LLC	02/05/2026	34,914.21
6186	C-1122	CROSSTOWN ELECTRICAL AND DATA, INC.	02/05/2026	3,644.70
6187	C-1231	CSG CONSULTANTS, INC	02/05/2026	5,558.50
6188	D-0583	DMS FACILITY SERVICES, LLC	02/05/2026	27,082.00
6189	D-0561	DOCU-TRUST	02/05/2026	121.30
6190	E-0504	EL TORO WATER DISTRICT	02/05/2026	14,815.95
6191	K-1206	FARROKH MOSHFEGH	02/05/2026	1,295.00
6192	H-0960	HR GREEN PACIFIC, INC.	02/05/2026	19,480.38
6193	J-1057	JAMEY CLARK, INC.	02/05/2026	864.00
6194	H-0959	JOHN HABASH	02/05/2026	66.50
6195	L-1395	LIVING INTERIORS	02/05/2026	159.00
6196	L-1397	LYONS SECURITY SERVICE, INC.	02/05/2026	187.50
6197	O-1613	ONTARIO REFRIGERATION SERVICE, INC.	02/05/2026	461.00
6198	P-1856	PARADISE DRINKING WATER	02/05/2026	396.65
6199	Z-CD-0542	PARKSIDE INDUSTRIES INC	02/05/2026	690.00
6200	P-1739	PRO LINE GYM FLOORS	02/05/2026	8,450.00
6201	Q-1717	QUADIENT FINANCE USA, INC.	02/05/2026	999.03
6202	R-1977	RJ ELECTRIC	02/05/2026	330.00
6203	G-0874	ROBERTA GEIER	02/05/2026	147.00
6204	S-2332	SANTA MARGARITA PLUMBING AND AIR	02/05/2026	3,257.54
6205	S-2319	SCA OF CA, LLC	02/05/2026	15,933.99
6206	T-2712	TOTAL SOURCE OFFICEWORKS	02/05/2026	413.00
6207	T-2698	TPX COMMUNICATIONS	02/05/2026	786.86
6208	T-2720	TURBO SPORTS ALLIANCE LLC	02/05/2026	75.60
6209	U-2165	UNDERGROUND SERVICE ALERT OF SO CALIFORNIA	02/05/2026	235.64
6210	A-0392	AQUATICO	02/12/2026	795.00
6211	A-0327	ASSOCIATION OF CA CITIES -OC	02/12/2026	8,250.74
6212	B-0460	BLUETRITON BRANDS INC	02/12/2026	29.66
6213	C-0324	CITY OF MISSION VIEJO	02/12/2026	86,569.19
6214	C-1190	COUNTY OF ORANGE	02/12/2026	908.00
6215	Z-CS-0520	HANZHEN LIANG	02/12/2026	50.00
6216	J-1071	JCTEES.COM CORPORATION	02/12/2026	1,367.13
6217	M-1388	MOBILE MINI, INC.	02/12/2026	341.83
6218	M-1606	MTM YEE CORP	02/12/2026	400.00
6219	O-1617	OCY MANAGEMENT, LLC	02/12/2026	5,115.00
6220	O-1613	ONTARIO REFRIGERATION SERVICE, INC.	02/12/2026	1,211.00
6221	C-1003	ORANGE COUNTY TREASURER-TAX COLLECTOR	02/12/2026	3,127.50
6222	P-1839	PAPER DEPOT	02/12/2026	45.00
6223	S-2332	SANTA MARGARITA PLUMBING AND AIR	02/12/2026	1,335.00
6224	S-2308	SPECTRUM SPORTS MANAGEMENT, INC.	02/12/2026	10,000.00
6225	T-2712	TOTAL SOURCE OFFICEWORKS	02/12/2026	1,184.44
6226	V-2251	VIZUAL SYMPHONY, INC.	02/12/2026	960.00
			Total Regular:	**278,242.44**

Check Number	Vendor Number	Vendor Name	Payment Date	Payment Amount
Payment Type: Bank Draft				
DFT0003314	C-1007	OCSD LAW ENFORCEMENT CONTRACT, OC TREASURER-TAX COLLECTOR	02/05/2026	1,009,219.12
DFT0003317	M-1614	MERIDIAN RAPID DEFENSE GROUP RENTALS LLC	02/06/2026	8,296.75
DFT0003318	H-0966	HIGH LEVEL SECURITY SOLUTIONS, INC.	02/12/2026	7,308.00
			Total Bank Draft:	**1,024,823.87**

Bank Code 1 - General Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	67	45	0.00	278,242.44
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	-
Bank Drafts	3	3	0.00	1,024,823.87
EFT's	0	0	0.00	0.00
	70	**48**	**0.00**	**1,303,066.31**

All Bank Codes Check Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	67	45	0.00	278,242.44
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0
Bank Drafts	3	3	0.00	1,024,823.87
EFT's	0	0	0.00	0.00
	70	**48**	**0.00**	**1,303,066.31**

Fund Summary

Fund	Name	Period	Amount
998	Pooled Cash & Investments	2/2026	1,303,066.31
			1,303,066.31

City of Laguna Hills, CA

Payables Detail Report

By Fund

Payment Dates 01/30/2026 - 02/12/2026

Payment Date	Vendor Name	Payable Number	Description (Item)	Account Number	Amount
Fund: 100 - General Fund					
02/05/2026	DOCU-TRUST	0057630	Offsite Data Storage, Feb '26	100-155-700030	121.30
02/05/2026	QUADIENT FINANCE USA, INC.	012726	Postage Replenishment, Jan '26	100-195-623000	999.03
02/05/2026	JOHN HABASH	020226	Clogging Instruction, Jan '26	100-310-721500	66.50
02/05/2026	CAROLYN WOJCIECHOWSKI	020226	Line Dancing Instruction, Jan '26	100-310-721500	483.00
02/05/2026	ROBERTA GEIER	020226	Ballroom Dancing, Jan '26	100-310-721500	147.00
02/05/2026	TURBO SPORTS ALLIANCE LLC	020226	Volleyball, Jan '26	100-310-721500	75.60
02/05/2026	FARROKH MOSHFEGH	020226	Karate, Jan '26	100-310-721500	1,295.00
02/05/2026	CIVIC SOLUTIONS, INC.	107592	Consultant Services, USE-0166-2023, Dec '25	100-000-223000	1,716.00
02/05/2026	CIVIC SOLUTIONS, INC.	107593	Contract Staffing Services, Dec '25	100-225-720512	156.00
02/05/2026	CIVIC SOLUTIONS, INC.	107594	Consultant Services, USE-0231-2025, Dec '25	100-000-223000	585.00
02/05/2026	CIVIC SOLUTIONS, INC.	107595	Consultant Services, USE-0216-2025, Dec '25	100-000-223000	858.00
02/05/2026	CIVIC SOLUTIONS, INC.	107596	Consultant Services, USE-0209-2025, Dec '25	100-000-223000	2,988.00
02/05/2026	UNDERGROUND SERVICE ALERT OF SO CALIFORNIA	120260396	Ticket Charges, Jan '26	100-355-720401	188.45
02/05/2026	EL TORO WATER DISTRICT	123125	Water Usage, Public Works, Dec '25	100-355-635000	14,815.95
02/05/2026	TPX COMMUNICATIONS	189008030-0	Communications Expense, 1/23/26 - 2/22/26	100-195-630000	786.86
02/05/2026	HR GREEN PACIFIC, INC.	198137	Public Works Permit Inspections, Dec '25	100-355-700255	9,536.63
02/05/2026	HR GREEN PACIFIC, INC.	198140	Electrical Upgrades, CIP #520, Dec '25	100-000-790600	2,590.00
02/05/2026	UNDERGROUND SERVICE ALERT OF SO CALIFORNIA	25-262492	State Fee for Regulatory Costs, Jan	100-355-720401	47.19
02/05/2026	PRO LINE GYM FLOORS	3366	Community Center Wood Flooring Repairs, Jan '26	100-310-645500	8,450.00
02/05/2026	CIVICPLUS, LLC	352252	Website Annual Fee, 7/1/26 - 12/14/26	100-000-140000	6,665.32
02/05/2026	CIVICPLUS, LLC	352252	Website Annual Fee, 12/15/25 - 6/30/26	100-195-700090	7,877.19
02/05/2026	CIVICPLUS, LLC	355169	CivicRec Annual Fees & Maint, 7/1/26 - 1/17/27	100-000-140000	11,034.67
02/05/2026	CIVICPLUS, LLC	355169	CivicRec Annual Fees & Maint, 1/18/26 - 6/30/26	100-195-700090	9,337.03
02/05/2026	PARADISE DRINKING WATER	365437	Operating Supplies, 12/24/25 -	100-195-622000	202.30
02/05/2026	PARADISE DRINKING WATER	374823	Operating Supplies, 1/10/26 -	100-195-622000	194.35
02/05/2026	LYONS SECURITY SERVICE, INC.	40314	Event Security, Permit #4676,	100-310-690501	187.50
02/05/2026	TOTAL SOURCE OFFICEWORKS	40873	Operating Supplies, Jan '26	100-310-622000	128.38
02/05/2026	TOTAL SOURCE OFFICEWORKS	40933	Operating Supplies, Feb '26	100-195-622000	243.98
02/05/2026	TOTAL SOURCE OFFICEWORKS	40933.1	Operating Supplies, Feb '26	100-195-622000	40.64
02/05/2026	CROSSTOWN ELECTRICAL AND DATA, INC.	4296-26-001	Traffic Signal Maintenance, Jan '26	100-356-720420	3,644.70
02/05/2026	SANTA MARGARITA PLUMBING AND AIR	51	Install Shut Off Valve, Suite 230, Jan '26	100-355-645500	1,265.14
02/05/2026	CSG CONSULTANTS, INC	64367	Professional Svcs, USE-0239-2025, 11/29 - 12/26/25	100-000-223000	5,558.50
02/05/2026	RJ ELECTRIC	64521	Electric Repairs, Costeau Park, Jan '26	100-355-720701	330.00
02/05/2026	SANTA MARGARITA PLUMBING AND AIR	75	Urinal Repair, Jan '26	100-310-645500	875.17
02/05/2026	SANTA MARGARITA PLUMBING AND AIR	76	Faucet Sensor Repair, Jan '26	100-310-645500	1,117.23
02/05/2026	JAMEY CLARK, INC.	77236	Park Repairs, Public Works, Dec '25	100-355-720701	288.00
02/05/2026	JAMEY CLARK, INC.	77414	Graffiti Removal, Jan '26	100-355-720500	576.00

Payment Date	Vendor Name	Payable Number	Description (Item)	Account Number	Amount
02/05/2026	PARKSIDE INDUSTRIES INC	BLDR-0353-2025	BLDR-0353-2025, C&D Refund, REC-015788-2025	100-000-227001	690.00
02/05/2026	SCA OF CA, LLC	CA25005844	Street Sweeping Services, Jan '26	100-355-720401	503.44
02/05/2026	ONTARIO REFRIGERATION SERVICE, INC.	CM48214	HVAC Inspection, Jan '26	100-355-645500	461.00
02/05/2026	ALL CITY MANAGEMENT, INC.	PS-INV103215	Crossing Guard Services, 1/4/26 - 1/17/26	100-420-720822	9,401.60
02/05/2026	OCSD LAW ENFORCEMENT CONTRACT, OC TREASURER-TAX	SH 73334	Law Enforcement Services, Feb '26	100-420-720800	1,009,219.12
02/05/2026	DMS FACILITY SERVICES, LLC	STL-005081	Landscape Services, Jan '26	100-355-720700	5,920.00
02/05/2026	DMS FACILITY SERVICES, LLC	STL-005159	Landscape Services, Jan '26	100-355-720700	150.00
02/05/2026	DMS FACILITY SERVICES, LLC	STL-005160	Landscape Services, Jan '26	100-355-720700	21,012.00
02/05/2026	LIVING INTERIORS	T88909	Interior Plantscape Services, Nov '25	100-310-645500	159.00
02/06/2026	MERIDIAN RAPID DEFENSE GROUP RENTALS LLC	INV-R-5858 (2)	Barrier Rental, 1/2 Marathon, Final	100-310-695507	8,296.75
02/12/2026	BLUETRITON BRANDS INC	06A8710008221	Operating Supplies, Comm Ctr, 12/25/25 - 1/24/26	100-310-622000	29.66
02/12/2026	HANZHEN LIANG	100720271	Refund, Sports Membership, R #100047161	100-000-451000	50.00
02/12/2026	JCTEES.COM CORPORATION	10913	Staff Uniforms, Jan '26	100-310-622000	1,367.13
02/12/2026	MTM YEE CORP	11853	Advertising-Program Services, Feb '26	100-310-624500	400.00
02/12/2026	VIZUAL SYMPHONY, INC.	14405	Reconfigure Existing Mics, Feb '26	100-195-700090	960.00
02/12/2026	SPECTRUM SPORTS MANAGEMENT, INC.	2026-015	Event Mgmt Services, 1/2 Marathon, 2nd Billing	100-310-695507	10,000.00
02/12/2026	CITY OF MISSION VIEJO	21549	Animal Care Services True Up Adiustment. FY 24/25	100-420-720401	(8,406.66)
02/12/2026	CITY OF MISSION VIEJO	21585	Animal Care Services, Jan - Mar '26	100-420-720401	87,426.00
02/12/2026	CITY OF MISSION VIEJO	21592	Homelessness Outreach, Jan '26	100-310-720302	7,549.85
02/12/2026	SANTA MARGARITA PLUMBING AND AIR	26	Gym Restroom Repair, Jan '26	100-310-645500	415.00
02/12/2026	AQUATICO	372-293	Fountains/Water Features Maintenance, Feb '26	100-310-645500	795.00
02/12/2026	TOTAL SOURCE OFFICEWORKS	40957	Operating Supplies, Feb '26	100-195-622000	135.94
02/12/2026	TOTAL SOURCE OFFICEWORKS	40957.1	Operating Supplies, Feb '26	100-195-622000	224.09
02/12/2026	TOTAL SOURCE OFFICEWORKS	40958	Operating Supplies, Feb '26	100-155-622000	483.96
02/12/2026	TOTAL SOURCE OFFICEWORKS	40958.1	Operating Supplies, Feb '26	100-155-622000	340.45
02/12/2026	ASSOCIATION OF CA CITIES -OC	4173	ACC-OC Membership, 7/1/26 - 12/31/26	100-000-140000	4,125.37
02/12/2026	ASSOCIATION OF CA CITIES -OC	4173	ACC-OC Membership, 1/1/26 - 6/30/26	100-155-610002	4,125.37
02/12/2026	HIGH LEVEL SECURITY SOLUTIONS, INC.	6040	Private Security Patrol, 1/26/26 - 2/8/26	100-420-720850	7,308.00
02/12/2026	SANTA MARGARITA PLUMBING AND AIR	71	Restroom Repairs, Jan '26	100-310-645500	920.00
02/12/2026	MOBILE MINI, INC.	9025494429	Storage Rental, Community Center, 1/29/26-2/25/26	100-310-641000	341.83
02/12/2026	ONTARIO REFRIGERATION SERVICE, INC.	CM48207	Ice Machine Deep Clean, Jan '26	100-310-646000	1,211.00
02/12/2026	PAPER DEPOT	IN22552-8483	Destruction Bin, Jan '26	100-310-622000	45.00
02/12/2026	ORANGE COUNTY TREASURER-TAX COLLECTOR	JAN 26	Parking Fee Surcharge, Jan '26	100-420-720823	3,127.50
02/12/2026	COUNTY OF ORANGE	SH 73596	Fingerprint ID System Charges, Jan	100-420-720835	908.00
			Fund 100 - General Fund Total:		**1,275,167.01**
Fund: 212 - Measure M2 Fund					
02/05/2026	SCA OF CA, LLC	CA25005844	Street Sweeping Services, Jan '26	212-355-720410	15,430.55
			Fund 212 - Measure M2 Fund Total:		**15,430.55**
Fund: 221 - Senior Mobility Program Fund					
02/12/2026	OCY MANAGEMENT, LLC	1406026	Senior Mobility Program, Jan '26	221-310-720000	5,115.00
			Fund 221 - Senior Mobility Program Fund Total:		**5,115.00**

Payment Date	Vendor Name	Payable Number	Description (Item)	Account Number	Amount
Fund: 302 - CDBG Grant Fund					
02/05/2026	HR GREEN PACIFIC, INC.	198141	Curb Ramp Improvement, CIP #170, Dec '25	302-000-790600	7,353.75
			Fund 302 - CDBG Grant Fund Total:		**7,353.75**
Fund: 600 - Capital Improvement Projects Fund					
02/05/2026	HR GREEN PACIFIC, INC.	198140	Electrical Upgrades, CIP #520, Dec '25	600-000-490100	(2,590.00)
02/05/2026	HR GREEN PACIFIC, INC.	198140	Electrical Upgrades, CIP #520, Dec '25	600-255-950520	2,590.00
02/05/2026	HR GREEN PACIFIC, INC.	198141	Curb Ramp Improvement, CIP #170, Dec '25	600-000-490302	(7,353.75)
02/05/2026	HR GREEN PACIFIC, INC.	198141	Curb Ramp Improvement, CIP #170, Dec '25	600-251-950170	7,353.75
			Fund 600 - Capital Improvement Projects Fund Total:		**-**
			Grand Total:		**1,303,066.31**

Report Summary

Fund Summary

Fund	Payment Amount
100 - General Fund	1,275,167.01
212 - Measure M2 Fund	15,430.55
221 - Senior Mobility Program Fund	5,115.00
302 - CDBG Grant Fund	7,353.75
600 - Capital Improvement Projects Fund	-
Grand Total:	**1,303,066.31**

Account Summary

Account Number	Account Name	Payment Amount
100-000-140000	Prepaid Items	21,825.36
100-000-223000	Plan Application Deposit	11,705.50
100-000-227001	Security Deposit - Waste	690.00
100-000-451000	Recreation Fees	50.00
100-000-790600	Transfers Out to Capital	2,590.00
100-155-610002	Memberships - ACC-OC	4,125.37
100-155-622000	Operating Supplies	824.41
100-155-700030	Professional Services - City Clerk	121.30
100-195-622000	Operating Supplies	1,041.30
100-195-623000	Printing & Mailing	999.03
100-195-630000	Communications	786.86
100-195-700090	IT Contract Services & Support	18,174.22
100-225-720512	Contract Services	156.00
100-310-622000	Operating Supplies	1,570.17
100-310-624500	Printing & Advertising	400.00
100-310-641000	Equipment Rentals & Leases	341.83
100-310-645500	Facility Maintenance & Repairs	12,731.40
100-310-646000	Equipment Maintenance &	1,211.00
100-310-690501	Facility Rentals -	187.50
100-310-695507	Marathon 5k	18,296.75
100-310-720302	Contract Services - Homelessness	7,549.85
100-310-721500	Contract Services - Programs	2,067.10
100-355-635000	Utilities - Water	14,815.95
100-355-645500	Facility Maintenance & Repairs	1,726.14
100-355-700255	Improvement Inspections	9,536.63
100-355-720401	Other Public Works Maintenance	739.08
100-355-720500	Graffiti Removal	576.00
100-355-720700	Landscape Maintenance	27,082.00
100-355-720701	Parks Maintenance & Repairs	618.00
100-356-720420	MOE - Traffic Signal Maintenance	3,644.70
100-420-720401	Animal Care & Shelter Services	79,019.34
100-420-720800	Law Enforcement Contract	1,009,219.12
100-420-720822	Crossing Guard Services	9,401.60
100-420-720823	Parking Citation Processing	3,127.50
100-420-720835	Fingerprint Identification Services	908.00
100-420-720850	Private Security Patrol	7,308.00
212-355-720410	Street Sweeping	15,430.55
221-310-720000	Contract Services	5,115.00
302-000-790600	Transfers Out to Capital	7,353.75
600-000-490100	Transfers In from General Fund	(2,590.00)
600-000-490302	Transfers In from CDBG Grant	(7,353.75)
600-251-950170	Access Ramps	7,353.75
600-255-950520	Community Center Electrical	2,590.00
	Grand Total:	**1,303,066.31**

Project Account Summary

Project Account Key	Payment Amount
None	1,303,066.31
Grand Total:	**1,303,066.31**

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: February 24, 2026
To: Mayor and Council Members
From: Eric Hendrickson, Finance Director
Issue: Treasurer's Investment Report for January 2026

Recommendation: That the City Council receive and file the Treasurer's Investment Report for the month of January 2026.

Background:

The Treasurer's Investment Report for the month of January 2026 is submitted herewith. The City's total portfolio as of January 31, 2026, was $29,510,241. The pooled cash portfolio managed by the City Treasurer consisted of cash on hand, demand deposits, State Local Agency Investment Fund (LAIF) and Investment Trust of California (CalTRUST) investments and totaled $29,455,596. Restricted cash and investments totaled $54,644, and is composed of fiscal agent funds for Civic Center property management purposes.

Interest income for the month of January was $94,063. Fiscal Year 2025/2026 year-to-date pooled cash interest earnings of $656,986 are 79% of the annual budget of $828,600.

The average yield on the City's total portfolio for the month of January was 3.84%, compared to the prior month of 3.90%. The slightly declining yield in January, as compared to the past few months, reflects a cautious approach by the Federal Reserve to continue rate cuts given the current status of the economy. The City has budgeted conservatively in its expectation of interest earnings, and has built slight rate reductions into the revenue forecast.

Fiscal Impact:

There is no fiscal impact to receive and file this report.

Attachments:

1. Treasurer's Report January 2026

City of Laguna Hills
Treasurer's Investment Report
January 2026

Pooled Cash & Investments	Current Month Market Value	Current Month Book Value	Prior Month Book Value	Current Month % of Portfolio	Maximum Policy Limit	Yield to Maturity for Month (Annualized)
BMO Checking & Money Market Accounts	$ 7,620,760	$ 7,620,760	$ 6,685,304	26%	50%	3.56%
Petty Cash (City Hall)	500	500	500	0%	n/a	0.00%
Fiscal Agent Cash - Employee FSA	13,497	13,497	797	0%	n/a	0.00%
State Local Agency Investment Fund (LAIF)	101,324	101,103	100,045	0%	100%	3.93%
Investment Trust of California (CalTRUST)	21,719,736	21,719,736	21,649,516	74%	100%	3.95%
	29,455,817	29,455,596	28,436,163	100%		3.85%
Restricted & Designated Cash						
Fiscal Agent Cash - Essex Civic Center Mgmt	54,644	54,644	43,771	n/a	n/a	0.00%
	54,644	54,644	43,771			0.00%
Totals	$ 29,510,461	$ 29,510,241	$ 28,479,934			3.84%

Pooled Cash & Investment - Interest Earnings

For the month of January 2026	$ 94,063
FY 2025-26 to Date	656,986
FY 2025-26 Budget	828,600

Certification:

I hereby certify that the above investment report includes all cash and investments of the City and is in conformance with all State laws and the City's investment policy approved by the City Council on October 14, 2025. At the time of the report, there is sufficient liquidity and anticipated revenues available to meet the City's budgeted expenditure requirements for the next six months.



Eric Hendrickson
Finance Director/Deputy City Treasurer

Pooled Cash Report

City of Laguna Hills, CA

For the Period Ending 1/31/2026

ACCOUNT #	ACCOUNT NAME	BEGINNING BALANCE	CURRENT ACTIVITY	CURRENT BALANCE
CLAIM ON CASH				
100-000-101100	Claim on Cash - General Fund	19,484,628.54	739,599.88	20,224,228.42
210-000-101210	Claim on Cash - Gas Tax (HUTA)	1,310,350.77	59,069.04	1,369,419.81
211-000-101211	Claim on Cash - Gas Tax (RMRA)	1,425,875.30	68,545.27	1,494,420.57
212-000-101212	Claim on Cash - Measure M2	211,698.58	53,781.61	265,480.19
214-000-101214	Claim on Cash - AB 2766	138,422.25	-	138,422.25
221-000-101221	Claim on Cash - Senior Mobility Program	300,048.75	(1,386.67)	298,662.08
301-000-101301	Claim on Cash - CARITS Road Fee Program	1,280,608.99	(68,184.23)	1,212,424.76
302-000-101302	Claim on Cash - CDBG Grant	-	(144,260.00)	(144,260.00)
305-000-101305	Claim on Cash - Beverage Recycling	13,994.54	-	13,994.54
306-000-101306	Claim on Cash - Waste & Recycling Fee	70,499.97	(28,463.83)	42,036.14
307-000-101307	Claim on Cash - C&D Forfeited Deposits	436,530.18	-	436,530.18
311-000-101310	Claim on Cash - Quimby Act Park In-Lieu Fee (VALI	1,867,969.24	(74,521.95)	1,793,447.29
312-000-101312	Claim on Cash - CASp Fee	38,133.94	165.60	38,299.54
322-000-101322	Claim on Cash - Water Conservation	396,886.60	-	396,886.60
401-000-101401	Claim on Cash - Public Art	510,253.13	(50,000.00)	460,253.13
421-000-101421	Claim on Cash - SLESF	173,056.53	26,016.82	199,073.35
451-000-101451	Claim on Cash - Liability Self-Insurance	161,300.18	(40,125.35)	121,174.83
452-000-101452	Claim on Cash - Parks Equipment Maintenance	309,213.00	-	309,213.00
454-000-101454	Claim on Cash - Sports Complex Equipment Maint	66,200.46	-	66,200.46
455-000-101455	Claim on Cash - Community Center Equipment Ma	46,761.87	-	46,761.87
456-000-101456	Claim on Cash - Storm Drain / Slope Repair Reserv	29,097.04	-	29,097.04
TOTAL CLAIM ON CASH		28,271,529.86	540,236.19	28,811,766.05

Reconciling items (outstanding checks and deposits in transit): 643,829.95

Pooled Cash & Investments Book Value: 29,455,596.00

GENERAL FUND RESERVES (as of most recent audited year end 6/30/2025)

Fund Balance Type	
Nonspendable	284,567
Assigned	612,572
Unassigned	22,256,720
Total	**23,153,859**

BMO Bank N.A.
P.O. Box 755
Chicago, IL 60690
Toll Free: 1-877-895-3278

ACCOUNT NUMBER: [redacted]

STATEMENT PERIOD
01/01/26 TO 01/31/26

CITY OF LAGUNA HILLS
GENERAL
24035 EL TORO RD
LAGUNA HILLS CA 92653-3103

ITEMS ENCLOSED 0

INVESCO/AIM TREASURY CORP CL ACCOUNT NUMBER [redacted]

SUMMARY STATEMENT, CHECKING PLUS MONEY MARKET FUNDS

BEGINNING BALANCE	6,685,304.10
DEPOSITS	9,713,488.90
WITHDRAWALS	8,800,818.70-
MUTUAL FUND DIVIDENDS	22,785.90
ENDING BALANCE	7,620,760.20

SEE THE ENCLOSED CHECKING AND FUND STATEMENTS FOR DETAIL INFORMATION CONCERNING THIS ACCOUNT.
FOR BILLING INFORMATION, SEE ACCOUNT ANALYSIS STATEMENT.

CHECKING ACCOUNT SUMMARY

YOUR PREVIOUS BALANCE WAS	3,500.00
89 CUSTOMER DEPOSITS	3,893,077.95
149 OTHER WITHDRAWALS	2,980,407.75-
9 SHARE PURCHASES	3,335,215.76-
11 SHARE REDEMPTIONS	2,485,195.19
YOUR ENDING BALANCE WAS	66,149.63

TRANSACTIONS LISTED BY DATE POSTED

DATE POSTED	TRANSACTION DESCRIPTION	WITHDRAWALS OTHER DEBITS	DEPOSITS OTHER CREDITS
JAN 02	CCD AMS INC MERCH DEP 17730303701		902.80
JAN 02	ZERO BALANCE TXFR FROM DDA ACCT [redacted]		2,305.00
JAN 02	CCD AMS INC MERCH DEP 17730300707		2,983.42
JAN 02	CCD County of Orange EDI PYMNT 12300021572		5,726.53
JAN 02	ZERO BALANCE TXFR TO DDA ACCT [redacted]	27,222.41	
JAN 02	INV CR TRANSFER		14,553.12
JAN 05	REMOTE DEPOSIT		135.00
JAN 05	CCD City of Laguna H Settlement 25916655874		1,662.96
JAN 05	ZERO BALANCE TXFR FROM DDA ACCT [redacted]		1,937.00
JAN 05	CCD AMS INC MERCH DEP 17730300707		1,985.71

MEMBER FDIC

CalTRUST
PO Box 2709
Granite Bay, CA 95746
www.caltrust.org
Email: admin@caltrust.org
Fax: 402-963-9094
Phone: 833-CALTRUST (225-8787)

Investment Account Summary

01/01/2026 through 01/31/2026

SUMMARY OF INVESTMENTS

Fund	Account Number	Total Shares Owned	Net Asset Value per Share on Jan 31 ($)	Value on Jan 31 ($)	Average Cost Amount ($)	Cumulative Change in Value ($)
CITY OF LAGUNA HILLS	[redacted]					
CalTRUST Liquidity Fund	[redacted]	21,719,735.710	1.00	21,719,735.71	21,719,735.71	0.00
	Portfolios Total value as of 01/31/2026			**21,719,735.71**		

DETAIL OF TRANSACTION ACTIVITY

Activity Description	Activity Date	Amount ($)	Amount in Shares	Balance in Shares	Price per Share ($)	Balance ($)	Average Cost Amt ($)	Realized Gain/(Loss) ($)
CalTRUST Liquidity Fund			**CITY OF LAGUNA HILLS**				**Account Number:** [redacted]	
Beginning Balance	01/01/2026			21,649,516.240	1.00	21,649,516.24		
Accrual Income Div Reinvestment	**01/30/2026**	**70,219.47**	**70,219.470**	**21,719,735.710**	**1.00**	**21,719,735.71**	**0.00**	**0.00**
Change in Value						0.00		
Closing Balance as of	Jan 31			**21,719,735.710**	**1.00**	**21,719,735.71**		

Please note that this information should not be construed as tax advice and it is recommended that you consult with a tax professional regarding your account.

California State Treasurer
Fiona Ma, CPA



Local Agency Investment Fund
P.O. Box 942809
Sacramento, CA 94209-0001
(916) 653-3001

February 03, 2026

LAIF Home
PMIA Average Monthly Yields

CITY OF LAGUNA HILLS

CITY MANAGER
24035 EL TORO ROAD
LAGUNA HILLS, CA 92653

Tran Type Definitions

Account Number: [redacted]

January 2026 Statement

Effective Date	Transaction Date	Tran Type	Confirm Number	Web Confirm Number	Authorized Caller	Amount
1/15/2026	1/15/2026	QRD	1793353	N/A	SYSTEM	1,057.84

Account Summary

Total Deposit:	1,057.84	Beginning Balance:	100,045.32
Total Withdrawal:	0.00	Ending Balance:	101,103.16

Invesco Treasury Portfolio

Short-Term Investments Trust

Data as of January 31, 2026
Corporate Class

Fund Information

Inception	August 01, 2005
CUSIP	825252570
NASDAQ	TYCXX
Total Net Assets Reflects all classes of the portfolio.	$34.33 billion
Weighted Average Maturity (WAM)	38 days
Weighted Average Life (WAL)	110 days

SEC Portfolio Liquidity Requirements (%)

1-day	70.96
7-day	95.54

Ratings[2]

Standard & Poor's	AAAm
Moody's	Aaa-mf
Fitch Ratings	AAAmmf

NAIC Requirements

National Association of Insurance Commissioners (NAIC) Meets NAIC requirement of a 0% capital reserve for a purchase by insurance companies.

Management Team

Laurie Brignac, Joe Madrid, Brandon Maitre, Justin Mandeville, Marques Mercier, Wesley Rager, Jennifer Brown, Ripal Tilara, and Bryn Zinser

All data provided by Invesco unless otherwise stated.
1 iMoneyNet, Inc. is an independent mutual fund performance monitor. The U.S. Treasury & Repo Institutional Category is an unmanaged group of money market funds with similar investment objectives and pricing structures as the Corporate Class of the Invesco Treasury Portfolio. iMoneyNet performance figures represent the category average. An investment cannot be made into the category.

2 A credit rating is an assessment provided by Nationally Recognized Statistical Ratings Organization (NRSRO) of the creditworthiness of an issuer with respect to debt obligations, including specific securities, money market instruments or other debts. Fund ratings are subject to change and are based on several factors, including an analysis of a portfolio's overall credit quality, market price exposure and management. Fund ratings are provided to indicate the creditworthiness of the underlying holdings in the portfolio and offer a forward-looking opinion about fixed income funds' capacity to maintain stable principal (net asset value). The ratings will generally range from AAA (highest) to D (lowest). For more information on rating methodologies, please visit the following NRSRO websites: www.standardandpoors.com and select "Understanding Ratings" under Rating Resources on the homepage; www.moodys.com and select "Rating Methodologies" under Research and Ratings on the homepage; www.fitchratings.com and select "Ratings Definitions" on the homepage.@FSIA_CashDisclosureLeft:
3 Portfolio composition is subject to change. An investment category listed with "other" in the name indicates that the underlying holdings did not fall into the SEC's more narrowly defined investment categories.

You could lose money by investing in the Fund. Although the Fund seeks to preserve your investment at $1.00 per share, it cannot guarantee it will do so. An investment in the Fund is not a bank account and is not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency. The Fund's sponsor is not required to reimburse the Fund for losses, and you should not expect that the sponsor will provide financial support to the Fund at any time, including during periods of market stress.

Investment Objective

Provide current income consistent with preservation of capital and liquidity.

Permissible Investments

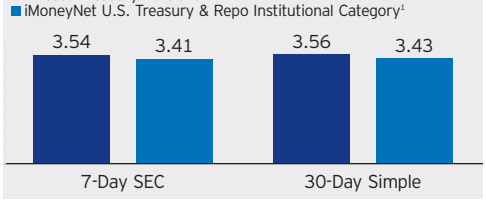
The fund pursues its objective by investing primarily in short-term, high-credit-quality money market instruments. These instruments are direct obligations of the US Treasury and repurchase agreements backed by Treasury obligations.

Fund Highlights

- The portfolio management team follows a conservative investment process with respect to minimal credit risk, interest rate risk and liquidity.
- The fund is designed for short- to medium-term cash investments, operating cash, cash sweeps and the liquidity components of investment portfolios.
- The fund aims to preserve capital, maintain liquidity and produce a competitive yield.

Yields (%)

as of January 31, 2026



Average Annual Total Returns (%)

as of January 31, 2026

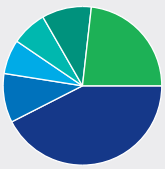
Period	(%)
Inception	1.66
10 Years	2.10
5 Years	3.22
3 Years	4.76
1 Year	4.10

The performance data quoted represents past performance. Past performance does not guarantee future results and current performance may be lower or higher than the performance data quoted above. The investment return and principal value of your investment will fluctuate so that your shares, when redeemed, may be worth more or less than their original cost. You may obtain performance data current to the most recent month-end by visiting invesco.com. The SEC yield listed reflects fee waivers and/or expense reimbursements in effect for the period. Had the Adviser not waived fees and/or reimbursed expenses, your 7-day SEC yield would have been 3.51%. Average annual total returns reflect reinvested distributions, net of expenses for the periods. The 7-day SEC yield more closely reflects the current earnings of the fund than the total returns shown.

Portfolio Composition (%) [3]

SEC Investment Category	(%)
U.S. Treasury Debt	51.7
U.S. Treasury Repurchase Agreement	48.3

Maturity Schedule (%)



Days to maturity	(%)
1-7	42.5
8-30	10.0
31-60	7.0
61-90	7.2
91-180	10.1
181+	23.2

Maturity schedule is based on weighted average maturity and is subject to change.

Simple Monthly Yields

as of January 31, 2026

Period	(%)
January 2026	3.56
December	3.66
November	3.81
October	3.94
September	4.04
August	4.15
July	4.19
June	4.17
May	4.19
April	5.14
March	4.21
February 2025	4.24

30-day simple and simple monthly yield are the sum of the distribution rates for the number of days in the yield period annualized by 365 and divided by net asset value (NAV).

This does not constitute a recommendation of any investment strategy or product for a particular investor. Investors should consult a financial professional before making any investment decisions.

NOT A DEPOSIT | NOT FDIC-INSURED | NOT GUARANTEED BY THE BANK | MAY LOSE VALUE | NOT INSURED BY ANY FEDERAL GOVERNMENT AGENCY

This report must be accompanied or preceded by a currently effective fund prospectus, which contains more complete information, including fees and expenses. Read it carefully before investing.

Account number: [redacted]
Account name: CITY OF LAGUNA HILLS

Yield and NAV

Fund Name
CalTRUST Liquidity Fund

Start Date - End Date
1/1/2026 – 1/31/2026

Export (31)

Period Date	NAV	Income	Shares	Net Assets	Daily Yield	7 day AVG Yield
1/31/26	$1.00	$361,744.37	3,438,895,082.810	$3,438,955,534.48	3.84%	3.84%
1/30/26	$1.00	$361,745.00	3,438,895,082.810	$3,438,955,534.48	3.84%	3.84%
1/29/26	$1.00	$363,089.99	3,458,825,082.810	$3,458,885,534.48	3.83%	3.84%
1/28/26	$1.00	$365,624.45	3,489,579,061.480	$3,489,639,513.15	3.82%	3.84%
1/27/26	$1.00	$351,175.95	3,339,104,061.480	$3,339,164,513.15	3.84%	3.84%
1/26/26	$1.00	$350,637.28	3,322,854,061.480	$3,322,914,513.15	3.85%	3.84%
1/25/26	$1.00	$348,934.86	3,312,289,061.480	$3,312,349,513.15	3.85%	3.84%
1/24/26	$1.00	$348,935.49	3,312,289,061.480	$3,312,349,513.15	3.85%	3.84%
1/23/26	$1.00	$348,127.29	3,312,289,061.480	$3,312,349,513.15	3.84%	3.83%
1/22/26	$1.00	$355,151.94	3,372,889,061.480	$3,372,949,513.15	3.84%	3.83%

PMIA/LAIF Performance Report as of 02/05/26

Quarterly Performance Quarter Ended 12/31/25

LAIF Apportionment Rate[2]:	4.20
LAIF Earnings Ratio[2]:	0.00011512010685708
LAIF Administrative Cost[1]*:	0.27
LAIF Fair Value Factor[1]:	1.002181483
PMIA Daily[1]:	3.97
PMIA Quarter to Date[1]:	4.09
PMIA Average Life[1]:	244

PMIA Average Monthly Effective Yields[1]

January	**3.931**
December	4.025
November	4.096
October	4.150
September	4.212
August	4.251

Pooled Money Investment Account Monthly Portfolio Composition [1] 12/31/25 $162.6 billion

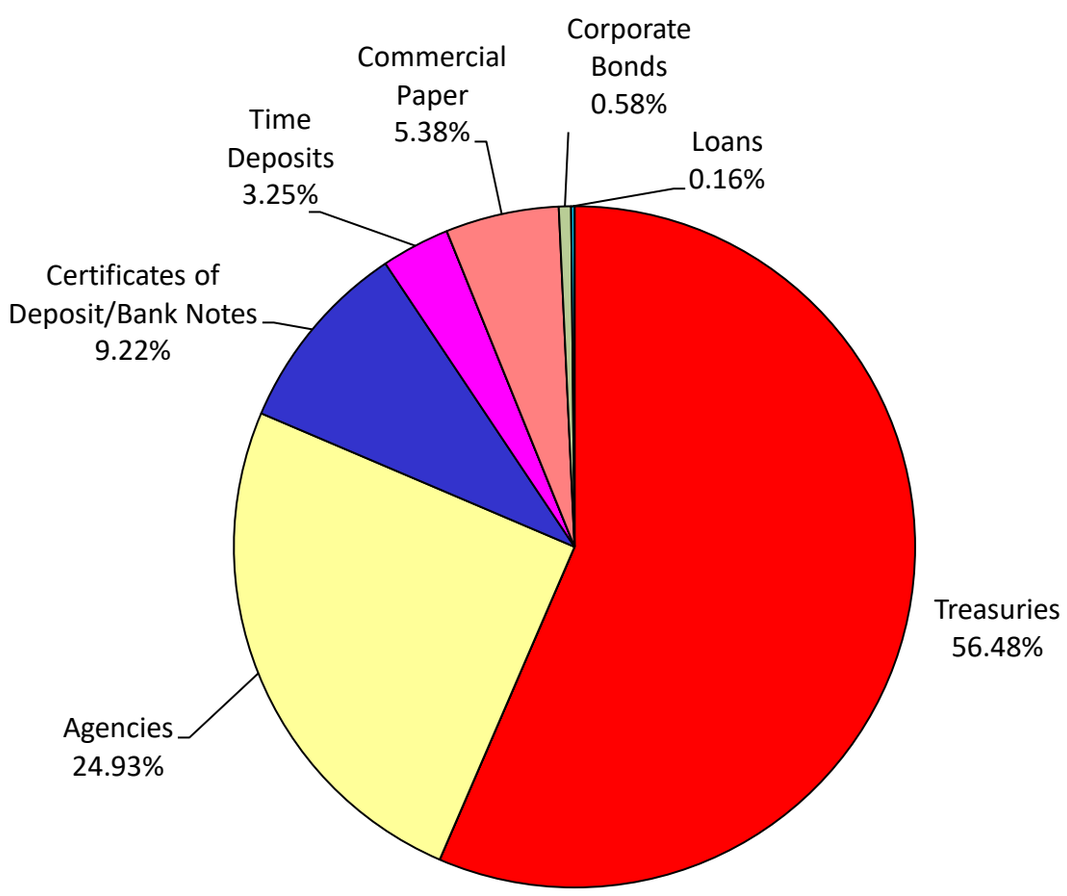


Chart does not include $910,000.00 in mortgages, which equates to 0.001%. Percentages may not total 100% due to rounding.

Daily rates are now available here. **View PMIA Daily Rates**

Notes: The apportionment rate includes interest earned on the CalPERS Supplemental Pension Payment pursuant to Government Code 20825 (c)(1) .

**The percentage of administrative cost equals the total administrative cost divided by the quarterly interest earnings. The law provides that administrative costs are not to exceed 5% of quarterly EARNINGS of the fund. However, if the 13-week Daily Treasury Bill Rate on the last day of the fiscal year is below 1%, then administrative costs shall not exceed 8% of quarterly EARNINGS of the fund for the subsequent fiscal year.*

Source:
[1] State of California, Office of the Treasurer
[2] State of California, Office of the Controller

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: February 24, 2026
To: Mayor and Council Members
From: Joe Ames, Assistant City Manager
Issue: Award of Professional Services Agreement to Psomas for Paseo de Valencia and Cabot Road Active Transportation Enhancements, CIP 191

Recommendation: That the City Council: 1. Award a Professional Services Agreement to Psomas for Paseo de Valencia and Cabot Road Active Transportation Enhancements in amount of $817,298; and 2. Authorize the City Manager to execute the Agreement.

Background:

On October 5, 2023, an application was submitted to the Orange County Transportation Authority's Complete Streets Program for the Paseo de Valencia and Cabot Road Active Transportation Enhancements Project. At the time of application, this project proposed to construct Class IV Bikeways on Paseo de Valencia between Laguna Hills Drive and Cabot Road, and on Cabot Road between Paseo de Valencia and El Paseo. Additional proposed features of the proposed project included new landscaped parkways, landscaped medians, pedestrian crossings, and a "road diet" to reduce both Paseo de Valencia and Cabot Road from a 4-lane arterial highway (2 through lanes in each direction) to a 2-lane collector arterial (1 through lane in each direction).

In March 2024, City staff informed City Council of the award of $4,998,000 from the Orange County Complete Streets Program for the proposed Paseo de Valencia and Cabot Road Active Transportation Enhancements Project. The award was conditioned on the City adopting a Mobility Element amendment to the Laguna Hills General Plan that would reclassify Paseo de Valencia and Cabot Road within the project limits from a 4-lane arterial highway to a 2-lane collector arterial.

Subsequently, City staff held a public workshop to garner feedback from the public on the proposed project. The first public workshop was held on May 14, 2025. At that public workshop, City staff presented "Conceptual Plan #1" and "Conceptual Plan #2." Both concepts showed Paseo de Valencia and Cabot Road within the project limits as being reconfigured into a 2-lane collector arterial with wide landscaped parkways, a Class IV Bikeway, and landscaped medians. The public in attendance overwhelmingly indicated they were in favor of a Class IV Bikeway construction project that included landscaped parkway improvements, although they were opposed to a "road diet" concept that reduced the number of through travel lanes on Paseo de Valencia and Cabot Road.

Because the grant funding was conditioned on the adoption of a Mobility Element reclassifying segments of Paseo de Valencia and Cabot Road, on June 24, 2025, City staff brought the Mobility Element update to City Council for approval. After discussion, City Council directed City staff to conduct a second public workshop that included the presentation of a conceptual plan that preserved 4 lanes on Paseo de Valencia and Cabot Road and to return to City Council in September to revisit the Mobility Element update.

The second public workshop was held on August 19, 2025. City staff presented "Conceptual Plan #3", which preserved a 4-lane arterial highway by constructing a widened, shared sidewalk and Class IV Bikeway concept to fit within the available public right-of-way. The public in attendance overwhelmingly indicated they were in favor of Conceptual Plan #3.

On September 9, 2025, City Council revisited the proposed Mobility Element amendment and approved the Mobility Element amendment with the understanding that City staff would design the proposed project using Conceptual Plan #3 as the basis of the design.

On November 4, 2025, City staff released a Request for Proposals for professional services for the development of Project Approval and Environmental Documentation (PAED) and Plans, Specifications and Estimates (PS&E). The scope of work in Phase 1, the PAED phase, includes the development of refined conceptual plans within the grant award budget, environmental documentation, and additional public outreach. The scope of work in Phase 2, the PS&E phase, uses the preferred, refined conceptual plan as the basis for developing final construction plans, specifications, and engineering cost estimate.

Five firms submitted proposals for these design and environmental services:

- HR Green, Inc.
- Minager & Associates
- Onward Engineering
- Psomas
- W.G. Zimmerman Engineering

The corresponding fee schedules were submitted in separate sealed envelopes.

As required, consultant services for this project must be selected through a competitive, qualifications-based procurement process in accordance with Section 3-08.150 of the Laguna Hills Municipal Code and in accordance with Federal regulations, specifically Chapter 10 of the Caltrans Local Assistance Procedures Manual (LAPM). LAPM Chapter 10 was adopted by City Council Resolution on February 11, 2025, for the procurement and administration of engineering and design contracts paid using federal funds.

Following proposal evaluations and consultant interviews, Psomas was determined to be the most qualified based on their relevant experience, project understanding, and team qualifications. Therefore, City staff is recommending the award of a Professional Services Agreement to Psomas for PAED and PS&E work in the not-to-exceed amount of $817,298.

If the City Council awards the Professional Services Agreement, Psomas will first develop conceptual alternatives within the grant budget as part of the Phase 1, PAED scope of work. Unfortunately, Conceptual Plan #3, as currently presented, is not projected to be within the estimated grant construction budget of $4,178,000 due to the required quantity of sidewalk, curb, and gutter that will need to be reconstructed to construct the shared sidewalk/Class IV Bikeway concept. City staff expects that a conceptual alternative could be developed in the PAED phase that is within the grant budget. However, if a conceptual plan can not be developed, the project would not progress to the PS&E phase. Caltrans has assured City staff in writing that all efforts under the PAED phase will be reimbursed.

Fiscal Impact:

Based on the $4,998,000 grant award through the Orange County Transportation Authority's Complete Streets Program (funded by Federal Transportation Improvement Program grant funds and administered jointly by OCTA and Caltrans), the overall project

budget is as follows:

Project Approval and Environmental Documentation (PAED): $159,000
Plans, Specifications and Estimates (PS&E): $661,000
Subtotal: $820,000

Construction (including contingencies): $4,178,000

Total Project Budget/Grant Funding Available: $4,998,000

The proposed Professional Services Agreement's not-to-exceed amount is within the $820,000 budget for PAED and PS&E work.

Attachments:

1. Professional Services Agreement - Psomas - Paseo de Valencia and Cabot Road
2. Conceptual Plan No. 3

PROFESSIONAL SERVICES AGREEMENT
Psomas

Paseo de Valencia and Cabot Road Active Transportation Enhancements Project

THIS PROFESSIONAL SERVICES AGREEMENT (hereinafter "Agreement") is made and entered into, to be effective the 24th day of February, 2026, by and between the CITY OF LAGUNA HILLS, a municipal corporation organized and existing under the laws of the State of California, (hereinafter referred to as "City") and PSOMAS, a California corporation (hereinafter referred to as "Consultant"). City and Consultant are sometimes hereinafter individually referred to as "Party" and are hereinafter collectively referred to as the "Parties."

RECITALS

A. City has determined that there is a need to retain the professional services of a qualified licensed civil engineering firm to provide Project Approval and Environmental Documentation (PAED) and, if requested by City after the completion of PAED, the Plans, Specifications and Estimates (PS&E) for the Paseo De Valencia and Cabot Road Active Transportation Enhancements Project, as well to provide the City with other as-needed civil engineering, project management, and consulting services, that may be required on an as-needed, on-call basis (the "Project").

B. In response to City's Request for Proposals (RFP), dated November 4, 2025, Consultant has submitted to City a proposal, dated December 18, 2025, to provide the City with professional civil engineering and/or traffic engineering consulting services for the Project pursuant to the terms of this Agreement.

C. Consultant represents and maintains that it is uniquely qualified by virtue of its experience, training, education, reputation, and technical expertise to provide the professional civil engineering and/or traffic engineering consulting services to City for the Project and has agreed to provide such services as provided herein. City does not have the personnel, training, certification, specialized equipment, or technical expertise necessary to perform the work and services contracted for herein.

D. City desires to retain Consultant to provide such professional civil engineering and/or traffic engineering consulting services for the Project.

E. The Project is funded in whole, or in part, with federal funding administered through Caltrans. Italicized words set forth herein reflect certain requirements by Caltrans and/or state or federal laws and regulations, including the Caltrans Local Assistance Procurement Manual (LAPM).

NOW, THEREFORE, in consideration of the promises and mutual obligations, covenants, and conditions contained herein, and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

AGREEMENT

1. SERVICES OF CONSULTANT

1.1 Scope of Services and Standard of Performance. In compliance with all terms and conditions of this Agreement, Consultant agrees to provide and perform the professional civil engineering consulting services for the Project as set forth in the Proposal/Scope of Work, dated December 18, 2025, and as set forth in City's Request for Proposal/Project Specifications, which are both attached hereto as Exhibit "A" and Exhibit "B" respectively and are incorporated herein by reference (hereinafter referred to as the "Scope of Services," the "Services" or "Work"). As a material inducement to the City entering into this Agreement, Consultant acknowledges and understands that the Services and Work contracted for under this Agreement require specialized skills and abilities and that, consistent with this understanding, Consultant's Services and Work shall be performed in a skillful and competent manner and shall be held to a standard of quality and workmanship prevalent in the industry for such Services and Work and with the standards recognized as being employed by professionals in the same discipline in the State of California. Consultant represents and warrants that it is skilled in the professional discipline necessary to perform the Services and Work and that it holds the necessary skills and abilities to satisfy the standard of work as set forth in this Agreement. Consultant represents and warrants that it and all of its employees, subconsultants and subcontractors providing any Work or Services under this Agreement shall have sufficient skill and experience to perform the Services and Work assigned to them. All Services and Work shall be completed to the reasonable satisfaction of the City.

1.2 Contract Documents. The Agreement between the Parties shall consist of the following: (1) this Agreement; and, (2) the Consultant's signed, original Proposal/Scope of Work dated December 18, 2025 submitted to the City ("Consultant's Proposal"), and (3) City's Request for Proposals/Project Specifications, which shall all three be referred to collectively hereinafter as the "Contract Documents." The Consultant's Proposal/Scope of Work is attached hereto as Exhibit "A" and the City's Request for Proposals/Project Specifications is attached hereto as Exhibit "B" and are both hereby incorporated by reference and made a part of this Agreement. All provisions of the Contract Documents shall be binding on the Parties. Should any conflict or inconsistency exist in the Contract Documents, the conflict or inconsistency shall be resolved by applying the provisions in the highest priority document, which shall be determined in the following order of priority: (1st) the terms and conditions of this Agreement; (2nd) terms, conditions, provisions and project requirements set forth in the City's Request for Proposals/Project Specifications (Exhibit "B"); and (3rd) the provisions of the Consultant's Proposal (Exhibit "A").

1.3 Compliance with Law. Consultant shall comply at all times during the term of this Agreement with all applicable federal, state, and local laws, statutes, and ordinances and all lawful orders, rules, and regulations promulgated thereunder, including without limitation all applicable fair labor standards and Cal/OSHA requirements. Consultant shall keep itself fully informed of and in compliance with all local, state, and federal laws, rules, and regulations in any manner affecting the performance of the Work and Services, including all Cal/OSHA requirements, and shall give all notices required by law. Consultant shall be liable for all violations of such laws and regulations in connection with performing the Work and Services. If Consultant performs any Work or Services in violation of such laws, rules, and regulations, Consultant shall be solely responsible for all penalties and costs arising therefrom. Consultant shall defend,

indemnify, and hold City, its elected and appointed officials, officers, employees, agents and volunteers, free and harmless from any claim or liability arising out of any failure or alleged failure to comply with such laws, rules, or regulations.

1.4 Licenses, Permits, Fees, and Assessments. Prior to performing any Services or Work hereunder Consultant shall obtain all licenses, permits, qualifications, and approvals of whatever nature that are legally required to practice its profession and perform the Work and Services required by this Agreement. Consultant represents and warrants to City that Consultant shall, at its sole cost and expense, keep in effect at all times during the term of this Agreement and any extension, any license, permit, qualification, or approval that is legally required for Consultant to perform the Work and Services under this Agreement. Consultant shall have the sole obligation to pay for any fees, assessments, and taxes, plus applicable penalties and interest, which may be imposed by law and arise from or are necessary for the Consultant's performance of the Work and Services required by this Agreement, and shall defend, indemnify, and hold the City, its elected and appointed officials, officers, employees, agents and volunteers, free and harmless from and against any claim or liability arising out of any failure or alleged failure to obtain such license, permits, and approvals of whatever nature that are legally required to perform the Work or Services.

1.5 Familiarity with Work. By executing this Agreement, Consultant represents and warrants that it (a) has thoroughly investigated and considered the Scope of Work or Services to be performed, (b) has carefully considered how the Services should be performed and has carefully examined the location or locations at or with respect to where such Services or Work is to be performed, and (c) fully understands the facilities, difficulties, and restrictions attending performance of the Services under this Agreement. If the Services involve work upon any site, Consultant represents and maintains that Consultant has or will investigate the site and is or will be fully acquainted with the conditions there existing, prior to commencement of any Services hereunder. Should the Consultant discover any latent or unknown conditions that will materially affect the performance of the Services hereunder, Consultant shall immediately inform the City of such fact and shall not proceed except at Consultant's risk until written instructions are received from the City.

1.6 Care of Work. Consultant shall adopt reasonable methods during the term of the Agreement to furnish continuous protection to the Work and the equipment, materials, papers, documents, plans, studies, and/or other components thereof to prevent losses or damages, and shall be responsible for all such damages, to persons or property, until acceptance of the Work by the City, except such losses or damages as may be caused by City's own negligence.

1.7 Further Responsibilities of Parties. Both Parties agree to use reasonable care and diligence to perform their respective obligations under this Agreement. Both Parties agree to act in good faith to execute all instruments, prepare all documents, and take all actions as may be reasonably necessary to carry out the purposes of this Agreement.

1.8 Additional Services. City shall have the right at any time during the performance of the Services, without invalidating this Agreement, to order extra work beyond that specified in the Consultant's Proposal/Scope of Services (Exhibit "A") or make changes by altering, adding to, or deducting from such Work. No such extra work may be undertaken unless a written order is

first given by the City to the Consultant, incorporating therein any adjustment in (i) the Maximum Contract Amount, as defined below, and/or (ii) the time to perform this Agreement, which adjustments are subject to the written approval of the Consultant. It is expressly understood by Consultant that the provisions of this section shall not apply to the Work and Services specifically set forth in the Scope of Services or reasonably contemplated therein, regardless of whether the time or materials required to complete any Work or Service identified in the Scope of Services exceeds any time or material amounts or estimates provided therein.

1.9 Non-Exclusive Agreement. Consultant acknowledges that City may enter into agreements with other contractors, consultants, or vendors for services similar to the services that are the subject of this Agreement. Consultant further acknowledges that City may have its own employees perform services similar to the services that are the subject of this Agreement.

1.10 Debarment and Suspension Certification.

A. Consultant's signature affixed herein shall constitute a certification under penalty of perjury under the laws of the State of California, that Consultant or any person associated therewith in the capacity of owner, partner, director, officer, or manager; (1) is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency; (2) has not been suspended, debarred, voluntarily excluded, or determined ineligible by any federal agency within the past three (3) years; (3) does not have a proposed debarment pending; and (4) has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three (3) years.

B. Any exceptions to this certification must be disclosed to City. Exceptions will not necessarily result in denial of recommendation for award but will be considered in determining Consultant responsibility. Disclosures must indicate the party to whom exceptions apply, the initiating agency, and the dates of agency action.

C. Exceptions to the Federal Government excluded parties (https://sam.gov/content/home) maintained by the U.S. General Services Administration are to be determined by the Federal Highway Administration (FHWA).

2. COMPENSATION

2.1 Maximum Contract Amount. For the Services and Work rendered pursuant to this Agreement, Consultant shall be compensated by City for the services performed, including authorized reimbursements, on a time and materials basis in accordance with the professional hourly rates and charges set forth in the Schedule of Compensation/Fees, which is attached hereto as Exhibit "A" and is incorporated herein by reference, but not exceeding the total maximum contract amount of Eight Hundred Seventeen Thousand Two Hundred Ninety Eight Dollars ($817,298) (hereinafter referred to as the "Maximum Contract Amount"). The Maximum Contract Amount shall include the attendance of Consultant at all Project meetings deemed reasonably necessary by the City. Consultant shall not be entitled to any increase in the Maximum Contract Amount for attending these meetings. Compensation for necessary expenditures for reproduction costs, telephone expenses, and transportation expenses must be approved in advance by the

Contract Officer designated pursuant to Section 4.2 and will only be approved if such expenses are also specified in the Schedule of Compensation/Fees. The maximum amount of City's payment obligation under this Agreement is the amount specified in this section.

2.2. Method of Payment. Unless some other method of payment is specified in the Schedule of Compensation/Fees (Exhibit "A"), in any month in which Consultant wishes to receive payment, no later than the tenth (10th) working day of such month, Consultant shall submit to the City, in a form approved by the City's Finance Director, an invoice for services rendered prior to the date of the invoice. Such requests shall be based upon the amount and value of the services performed by Consultant and accompanied by such reporting data including an itemized breakdown of all costs incurred and tasks performed during the period covered by the invoice, as may be required by the City. City shall use reasonable efforts to make payments to Consultant within forty-five (45) days after receipt of the invoice or a soon thereafter as is reasonably practical.

1. The method of payment for this Agreement will be based on lump sum. The total lump sum price paid to Consultant will include compensation for all work and deliverables, including travel and equipment described in the Scope of Services. No additional compensation will be paid to Consultant unless there is a change in the Scope of Services. In the instance of a change in the Scope of Services, adjustment to the total lump sum compensation will be negotiated between Consultant and City. Adjustment in the total lump sum compensation will not be effective until authorized by an Agreement amendment and approved by City.

2. Progress payments may be made monthly in arrears based on the percentage of work completed by Consultant. If Consultant fails to submit the required deliverable items according to the schedule set forth in the Scope of Services, City shall have the right to delay payment or terminate this Agreement in accordance with the Section 8.3, Termination.

3. Consultant shall not commence performance of Work or Services until this Agreement has been approved by City and notification to proceed has been issued by City's Contract Officer. No payment will be made prior to approval of any work, or for any work performed prior to approval of this Agreement.

4. Consultant will be reimbursed within thirty (30) days upon receipt by City's Contract Officer of itemized invoices in duplicate. Invoices shall be submitted no later than thirty (30) calendar days after the performance of work for which Consultant is billing. Invoices shall detail the work performed on each milestone, on each project as applicable. Invoices shall follow the format stipulated Section 2.2 and shall reference this Agreement number and project title. Final invoice must contain the final cost and all credits due City that include any equipment purchased under the provisions of Section 4.7 Equipment Purchase. The final invoice must be submitted within sixty (60) calendar days after completion of Consultant's work unless a later date is approved by City. Invoices shall be mailed to City's Contract Officer at the address specified in Section 10.2, Notices.

5. The total amount payable by City shall not exceed the amount specified in Section 2.1.

2.3 *Intentionally omitted.*

2.4 Changes in Scope. In the event any change or changes in the Scope of Services is requested by the City, the Parties shall execute a written amendment to this Agreement, setting forth with particularity all terms of such amendment, including, but not limited to, any additional professional fees. An amendment may be entered into: (a) to provide for revisions or modifications to documents or other work product or work when documents or other work product or work is required by the enactment or revision of law subsequent to the preparation of any documents, other work product, or work; and/or (b) to provide for additional services not included in this Agreement or not customarily furnished in accordance with generally accepted practice in Consultant's profession.

2.5 Appropriations.

A. This Agreement is subject to and contingent upon funds being appropriated therefore by the Laguna Hills City Council for each fiscal year covered by the term of this Agreement. If such appropriations are not made, this Agreement shall automatically terminate without penalty to the City.

B. It is mutually understood between the parties that this Agreement may have been written before ascertaining the availability of funds or appropriation of funds, for the mutual benefit of both parties, in order to avoid program and fiscal delays that would occur if the Agreement were executed after that determination was made.

C. This Agreement is valid and enforceable only if sufficient funds are made available to City for the purpose of this Agreement. In addition, this Agreement is subject to any additional restrictions, limitations, conditions, or any statute enacted by the Congress, State Legislature, or City Council that may affect the provisions, terms, or funding of this Agreement in any manner.

D. It is mutually agreed that if sufficient funds are not appropriated, this Agreement may be amended to reflect any reduction in funds.

E. City has the option to terminate the Agreement pursuant to Section 8.3 or by mutual agreement to amend the Agreement to reflect any reduction of funds.

3. SCHEDULE OF PERFORMANCE

3.1 Time of Essence. Time is of the essence in the performance of this Agreement. The time for completion of the services to be performed by Consultant is an essential condition of this Agreement. Consultant shall prosecute regularly and diligently the Work of this Agreement according to the agreed upon Schedule of Performance.

3.2 Schedule of Performance. Consultant shall commence the Services pursuant to this Agreement upon receipt of a written notice to proceed, or on each task order, if applicable, and shall perform all Services within the time period(s) established in the Schedule of Performance, which is attached hereto as Exhibit "A" and is incorporated herein by reference. When requested by Consultant, extensions to the time period(s) specified in the Schedule of

Performance may be approved in writing by the Contract Officer; however, the City shall not be obligated to grant such an extension.

3.3 Force Majeure. The time period(s) specified in the Schedule of Performance for performance of the Services rendered pursuant to this Agreement shall be extended because of any delays due to unforeseeable causes beyond the control and without the fault or negligence of the Consultant (financial inability excepted), including, but not limited to, acts of God or of the public enemy, unusually severe weather, fires, earthquakes, floods, epidemics, pandemics, quarantine restrictions, riots, strikes, freight embargoes, wars, and/or acts of any governmental agency, including the City, if Consultant, within ten (10) days of the commencement of such delay, notifies the City Manager in writing of the causes of the delay. The City Manager shall ascertain the facts and the extent of delay, and extend the time for performing the Services for the period of the enforced delay when and if in the judgment of the City Manager such delay is justified. The City Manager's determination shall be final and conclusive upon the Parties to this Agreement. In no event shall Consultant be entitled to recover damages against the City for any delay in the performance of this Agreement, however caused, Consultant's sole remedy being extension of the Agreement pursuant to this section.

3.4 Term. Unless earlier terminated as provided elsewhere in this Agreement, this Agreement shall commence upon the effective date of this Agreement and shall continue in full force and effect for a period of one (1) year, commencing on July 1, 2025, and ending on June 30, 2026.

3.5 Task Orders. Consultant hereby agrees and acknowledges that any and all Services or Work performed pursuant to this Agreement shall be based upon the prior issuance of a written project task order by the City. Furthermore, Consultant hereby agrees and acknowledges that execution of this Agreement by the City does not in any way guarantee that a task order will be issued to Consultant. Moreover, execution of this Agreement by the City shall not entitle Consultant to any form of payment or compensation from the City without City first having issued a project task order.

4. COORDINATION OF WORK

4.1 Representative of Consultant. The following principal of Consultant is hereby designated as being the principal and representative of Consultant authorized to act in its behalf with respect to the Services to be performed under this Agreement and to make all decisions in connection therewith: **Tom Herbel, Vice President/Project Manager**. It is expressly understood that the experience, knowledge, education, capability, expertise, and reputation of the foregoing principal is a substantial inducement for City to enter into this Agreement. Therefore, the foregoing principal shall be responsible during the term of this Agreement for directing all activities of Consultant and devoting sufficient time to personally supervise the Work or Services performed hereunder. The foregoing principal may not be changed by Consultant without prior written approval of the Contract Officer.

4.2 Contract Officer. The Contract Officer shall be such person as may be designated by the City Manager of City, and is subject to change by the City Manager. It shall be the Consultant's responsibility to ensure that the Contract Officer is kept fully informed of the progress

of the performance of the Services, and the Consultant shall refer any decisions which must be made by City to the Contract Officer. Unless otherwise specified herein, any approval of City required hereunder shall mean the approval of the Contract Officer. The Contract Officer shall have authority to sign all documents on behalf of the City required hereunder to carry out the terms of this Agreement.

1.3 Prohibition Against Subcontracting or Assignments.

A. The experience, knowledge, capability, expertise, and reputation of Consultant, its principals and employees, were a substantial inducement for City to enter into this Agreement. Therefore, Consultant shall not assign the performance of this Agreement, nor any part thereof, nor any monies due hereunder, voluntarily or by operation of law, without the prior written consent of City. Consultant shall not contract with any other entity to perform the Services required without prior written consent of City. If Consultant is permitted to subcontract any part of this Agreement by City, Consultant shall be responsible to City for the acts and omissions of its subcontractor(s) in the same manner as it is for persons directly employed. Nothing contained in this Agreement shall create any contractual relationships between any subcontractor and City. All persons engaged in the Work will be considered employees of Consultant. City will deal directly with and will make all payments to Consultant. In addition, neither this Agreement nor any interest herein may be transferred, assigned, conveyed, hypothecated, or encumbered voluntarily or by operation of law, whether for the benefit of creditors or otherwise, without the prior written consent of City. Transfers restricted hereunder shall include the transfer to any person or group of persons acting in concert of more than twenty five percent (25%) of the present ownership and/or control of Consultant, taking all transfers into account on a cumulative basis. In the event of any such unapproved transfer, including any bankruptcy proceeding, this Agreement shall be void. No approved transfer shall release Consultant or any surety of Consultant from any liability hereunder without the express written consent of City.

B. Nothing contained in this Agreement or otherwise, shall create any contractual relation between City and any subconsultant(s) or subcontractor(s), and no subcontract shall relieve Consultant of its responsibilities and obligations hereunder. Consultant agrees to be as fully responsible to City for the acts and omissions of its subconsultant(s), subcontractor(s), and of persons either directly or indirectly employed by any of them as it is for the acts and omissions of persons directly employed by Consultant. Consultant's obligation to pay its subconsultant(s) and subcontractor(s) is an independent obligation from City's obligation to make payments to the Consultant.

C. Consultant shall perform the Work contemplated with resources available within its own organization and no portion of the Work shall be subcontracted without written authorization by City's Contract Officer, except that, which is expressly identified in the approved Schedule of Compensation/Fees.

D. Consultant shall pay its subconsultants and subcontractors within fifteen (15) calendar days from receipt of each payment made to Consultant by City.

E. All subcontracts entered into as a result of this Agreement shall contain all the provisions stipulated in this entire Agreement to be applicable to subconsultants and subcontractors unless otherwise noted.

F. Any substitution of subconsultant(s) and subcontractor(s) must be approved in writing by City's Contract Officer in advance of assigning work to a substitute subconsultant or subcontractor.

G. Consultant or subconsultant shall pay to any subconsultant, not later than fifteen (15) days after receipt of each progress payment, unless otherwise agreed to in writing, the respective amounts allowed Consultant on account of the Work performed by the subconsultants, to the extent of each subconsultant's interest therein. In the event that there is a good faith dispute over all or any portion of the amount due on a progress payment from Consultant or subconsultant to a subconsultant, Consultant or subconsultant may withhold no more than one hundred fifty percent (150%) of the disputed amount. Any violation of this requirement shall constitute a cause for disciplinary action and shall subject the licensee to a penalty, payable to the subconsultant, of two percent (2%) of the amount due per month for every month that payment is not made. In any action for the collection of funds wrongfully withheld, the prevailing party shall be entitled to his or her attorneys' fees and costs. The sanctions authorized under this requirement shall be separate from, and in addition to, all other remedies, either civil, administrative, or criminal. This clause applies to both DBE and non-DBE subconsultants.

H. No retainage will be held by the City from progress payments due to Consultant. Any retainage kept by Consultant or by a subconsultant must be paid in full to the earning subconsultant within fifteen (15) days after the subconsultant's work is satisfactorily completed. Any delay or postponement of payment may take place only for good cause and with the City's prior written approval. Any violation of these provisions shall subject the violating Consultant or subconsultant to the penalties, sanctions, and remedies specified in Section 3321 of the California Civil Code. This requirement shall not be construed to limit or impair any contractual, administrative or judicial remedies, otherwise available to Consultant or subconsultant in the event of a dispute involving late payment or nonpayment by Consultant, deficient subconsultant performance and/or noncompliance by a subconsultant. This clause applies to both DBE and non-DBE subconsultants.

I. Any violation of these provisions shall subject the violating Consultant or subconsultant to the penalties, sanctions and other remedies specified therein. These requirements shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to Consultant or subconsultant in the event of a dispute involving late payment or nonpayment by Consultant, deficient subcontract performance, or noncompliance by a subconsultant.

4.4 Independent Contractor.

A. The legal relationship between the Parties is that of an independent contractor, and nothing herein shall be deemed to make Consultant a City employee. During the performance of this Agreement, Consultant and its officers, employees, and agents shall act in an

independent capacity and shall not act as City officers or employees. Consultant will determine the means, methods and details of performing the Services subject to the requirements of this Agreement. The personnel performing the Services under this Agreement on behalf of Consultant shall at all times be under Consultant's exclusive direction and control. Neither City nor any of its officials, officers, employees, agents or volunteers shall have control over the conduct of Consultant or any of its officers, employees, or agents, except as set forth in this Agreement. Consultant, its officers, employees or agents, shall not maintain a permanent office or fixed business location at City's offices. City shall have no voice in the selection, discharge, supervision, or control of Consultant's officers, employees, representatives or agents or in fixing their number, compensation, or hours of service. Consultant shall pay all wages, salaries, and other amounts due its employees in connection with the performance of Services under this Agreement as required by law and shall be responsible for all reports and obligations respecting them, including but not limited to social security income tax withholding, unemployment compensation, workers' compensation, and other similar matters. City shall not in any way or for any purpose be deemed to be a partner of Consultant in its business or otherwise a joint venturer or a member of any joint enterprise with Consultant.

B. Consultant shall not incur or have the power to incur any debt, obligation, or liability against City, or bind City in any manner.

C. No City benefits shall be available to Consultant, its officers, employees, or agents, in connection with the performance of any Work or Services under this Agreement. Except for professional fees paid to Consultant as provided for in this Agreement, City shall not pay salaries, wages, or other compensation to Consultant for the performance of any Work or Services under this Agreement. City shall not be liable for compensation or indemnification to Consultant, its officers, employees, or agents, for injury or sickness arising out of performing any Work or Services hereunder. If for any reason any court or governmental agency determines that the City has financial obligations, other than pursuant to Section 2 and Subsection 1.8 herein, of any nature relating to salary, taxes, or benefits of Consultant's officers, employees, representatives, agents, or subconsultants or subcontractors, Consultant shall defend, indemnify, and hold harmless City from and against all such financial obligations.

4.5 PERS Eligibility & Indemnification.

A. In the event that Consultant or any employee, agent, or subcontractor of Consultant providing any Work or Services under this Agreement claims or is determined by a court of competent jurisdiction or the California Public Employee Retirement System (PERS) to be eligible for enrollment in PERS as an employee of the City, Consultant shall indemnify, defend, and hold harmless City for the payment of any employee and/or employer contributions for PERS benefits on behalf of Consultant or its employees, agents or subcontractors, as well as for the payment of any penalties and interest on such contributions, which would otherwise be the responsibility of the City.

B. Notwithstanding any other agency, state or federal policy, rule, regulation, law or ordinance to the contrary, Consultant and any of its employees, agents, and subcontractors providing any Work or Services under this Agreement shall not qualify for or become entitled to, and hereby agree to waive any claims to, any compensation, benefit, or any incident of employment

by City, including but not limited to eligibility to enroll in PERS as an employee of City and entitlement to any contribution to be paid by City for employer contribution and/or employee contributions for PERS benefits.

4.6 Cost Principles and Administrative Requirements.

A. Consultant agrees that 48 CFR Part 31, Contract Cost Principles and Procedures, shall be used to determine the allowability of individual terms of cost.

B. Consultant also agrees to comply with federal procedures in accordance with 2 CFR Part 200, Cost Principles, and Audit Requirements for Federal Awards.

C. Any costs for which payment has been made to Consultant that are determined by subsequent audit to be unallowable under 2 CFR Part 200 or 48 CFR Part 31 are subject to repayment by Consultant to City.

D. When Consultant or Subconsultant is a Non-Profit Organization or an Institution of Higher Education, the Cost Principles for Title 2 CFR Part 200 shall apply.

4.7 Equipment Purchase.

A. Prior authorization in writing by City's Contract Officer shall be required before Consultant enters into any unbudgeted purchase order, or subcontract exceeding five thousand dollars ($5,000) for supplies, equipment, or Consultant Services. Consultant shall provide an evaluation of the necessity or desirability of incurring such costs.

B. For purchase of any item, service or consulting work not covered in Consultant's Schedule of Compensation/Fees and exceeding five thousand dollars ($5,000), with prior authorization by City's Contract Officer, three competitive quotations must be submitted with the request, or the absence of proposals must be adequately justified.

C. Any equipment purchased with funds provided under the terms of this Agreement is subject to the following:

1. Consultant shall maintain an inventory of all nonexpendable property. Nonexpendable property is defined as having a useful life of at least two (2) years and an acquisition cost of five thousand dollars ($5,000) or more. If the purchased equipment needs replacement and is sold or traded in, City shall receive a proper refund or credit at the conclusion of the Agreement, or if the Agreement is terminated, Consultant may either keep the equipment and credit City in an amount equal to its fair market value, or sell such equipment at the best price obtainable at a public or private sale, in accordance with established City procedures, and credit City in an amount equal to the sales price. If Consultant elects to keep the equipment, fair market value shall be determined at Consultant's expense, on the basis of a competent independent appraisal of such equipment. Appraisals shall be obtained from an appraiser mutually agreeable to by City and Consultant, if it is determined to sell the equipment, the terms and conditions of such sale must be approved in advance by City.

2. Regulation 2 CFR Part 200 requires a credit to federal funds when participating equipment with a fair market value greater than five thousand dollars ($5,000) is credited to the Project.

4.8 Inspection of Work. *Consultant, subconsultant(s), and subcontractor(s) shall permit City, the State, and the FHWA, if federal participating funds are used in this Agreement, to review and inspect the Project activities and files at all reasonable times during the performance period of this Agreement.*

4.9 Safety.

A. Consultant shall comply with OSHA regulations applicable to Consultant regarding necessary safety equipment or procedures. Consultant shall comply with safety instructions issued by City's Public Works Director/City Engineer and other City representatives. Consultant's personnel shall wear hard hats and safety vests at all times while working on the construction Project site.

B. Pursuant to the authority contained in Section 591 of the Vehicle Code, City has determined that such areas are within the limits of the Project and are open to public traffic. Consultant shall comply with all of the requirements set forth in Divisions 11, 12, 13, 14, and 15 of the Vehicle Code. Consultant shall take all reasonably necessary precautions for safe operation of its vehicles and the protection of the traveling public from injury and damage from such vehicles.

C. Any subcontract entered into as a result of this Agreement shall contain all of the provisions of this Section.

5. INSURANCE

5.1 Compliance with Insurance Requirements. Consultant shall obtain, maintain, and keep in full force and effect during the term of this Agreement, at its sole cost and expense, and in a form and content satisfactory to City, all insurance required under this section. Consultant shall not commence any Work or Services under this Agreement unless and until it has provided evidence satisfactory to City that it has secured all insurance required under this section. If Consultant's existing insurance policies do not meet the insurance requirements set forth herein, Consultant agrees to amend, supplement or endorse the policies to do so.

5.2 Types of Insurance Required. As a condition precedent to the effectiveness of this Agreement, and without limiting the indemnity provisions set forth in this Agreement, Consultant shall obtain and maintain in full force and effect during the term of this Agreement, including any extension thereof, the following policies of insurance:

A. Commercial General Liability Insurance. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Commercial General Liability Insurance written on an occurrence basis with limits of at least one million dollars ($1,000,000.00) per occurrence, two million dollars ($2,000,000.00) in the general aggregate, and one million dollars ($1,000,000.00) for products and completed operations. Defense costs shall be paid in addition to the limits. The policy shall contain no endorsements or provisions limiting coverage for (1) contractual liability; (2) cross liability exclusion for claims or suits by one insured against another; or (3) contain any other exclusion contrary to the Agreement.

B. Automobile Liability Insurance. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Automobile Liability Insurance written on a per occurrence basis with limits of at least one million dollars ($1,000,000.00) combined limit for each occurrence covering bodily injury and property damage. The policy shall specifically include coverage for owned, non-owned, leased, and hired automobiles.

C. Workers' Compensation Insurance. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Workers' Compensation Insurance in at least the minimum statutory amounts, and in compliance with all other statutory requirements, as required by the State of California. Consultant agrees to waive and obtain endorsements from its workers' compensation insurer waiving all subrogation rights under its workers' compensation insurance policy against the City, its officials, officers, employees, agents and volunteers, and to require each of its subconsultants and subcontractors, if any, to do likewise under their workers' compensation insurance policies. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Employer's Liability Insurance written on a per occurrence basis with limits of at least one million dollars ($1,000,000.00) per accident for bodily injury or disease.

D. Professional Liability (Errors & Omissions) Insurance. Consultant shall obtain and maintain in full force and effect throughout the term of this Agreement, a policy of Professional Liability or Errors and Omissions Insurance appropriate to Consultant's profession with limits of at least two million dollars ($2,000,000.00). Covered professional services shall specifically include all Work or Services to be performed under the Agreement and delete any exclusions that may potentially affect the Work or Services to be performed under this Agreement.

1. *Intentionally omitted*.

2. If the policy of insurance is written on a "claims-made" basis, the City may require that the policy be continued in full force and effect at all times during the term of this Agreement, and for a period of three (3) years from the date of the completion of the Work or Services provided hereunder. In the event of termination of the policy during this period, Consultant shall obtain continuing insurance coverage for the prior acts or omissions of Consultant during the course of performing the Work or Services under the terms of this Agreement. The coverage shall be evidenced by either a new policy evidencing no gap in coverage, or by obtaining separate extended "tail" coverage with the present or new carrier or other insurance arrangements providing for complete coverage, either of which shall be subject to the written approval by the City.

3. In the event the policy of insurance is written on an "occurrence" basis, the policy shall be continued in full force and effect during the term of this Agreement, or until completion of the Work or Services provided for in this Agreement, whichever is later. In the event of termination of the policy during this period, new coverage shall immediately be obtained to ensure coverage during the entire course of performing the Work or Services under the terms of this Agreement.

5.3 Acceptability of Insurers. Insurance required by this section shall be issued by a licensed company authorized to transact business in the state by the Department of Insurance for the State of California with a current rating of A-:VII or better (if an admitted carrier), or a current rating of A:X or better (if offered by a non-admitted insurer listed on the State of California List of Approved Surplus Lines Insurers (LASLI), by the latest edition of A.M. Best's Key Rating Guide, except that the City will accept workers' compensation insurance from the State Compensation Fund. In the event the City determines that the Work or Services to be performed under this Agreement creates an increased or decreased risk of loss to the City, the Consultant agrees that the minimum limits of the insurance policies may be changed accordingly upon receipt of written notice from the City. Consultant shall immediately substitute any insurer whose A.M. Best rating drops below the levels specified herein.

5.4 Insurance Endorsements. Required insurance policies shall not be in compliance if they include any limiting provision or endorsement that has not been submitted to the City for written approval. Required insurance policies shall contain the following provisions, or Consultant shall provide endorsements on forms approved by the City to add the following provisions to the insurance policies:

A. The policy or policies of insurance required by this section for Commercial General Liability and Automobile Liability Insurance shall be endorsed to provide the following:

1. Additional Insured: The City, its officials, officers, employees, agents and volunteers, shall be additional insureds with regard to liability and defense of suits or claims arising out of the performance of the Agreement; and

2. Additional Insured Endorsements: Additional insured endorsements shall not (1) be restricted to "ongoing operations", (2) exclude "contractual liability", (3) restrict

coverage to "sole" liability of Consultant, or (4) contain any other exclusions contrary to the Agreement; and, the coverage shall contain no special limitations on the scope of protection afforded to additional insureds.

3. Notice: The policy or policies of insurance required by this section for Commercial General Liability and Automobile Liability Insurance shall be endorsed to state that coverage shall not be suspended, voided, cancelled, or modified, or reduced in coverage or in limits, except after thirty (30) days prior written notice by First Class U.S. Mail, postage-prepaid, has been provided to the City. Notwithstanding the foregoing, if coverage is to be suspended, voided, or cancelled because of Consultant's failure to pay the insurance premium, the notice provided to City shall be by ten (10) days prior written notice.

B. For all policies of Commercial General Liability Insurance, Consultant shall provide endorsements for ongoing operations and completed operations to effectuate this requirement.

5.5 Deductibles and Self-Insured Retentions. Any deductible or self-insured retention must be approved in writing by the City in advance and shall protect the City, its officials, officers, employees, agents and volunteers, in the same manner and to the same extent as they would have been protected had the policy or policies not contained a deductible or self-insured retention.

5.6 Primary and Non-Contributing Insurance. All policies of Commercial General Liability Insurance and Automobile Liability Insurance shall be primary and any other insurance, deductible, or self-insurance maintained by the City, its officials, officers, employees, agents or volunteers, shall not contribute with this primary insurance. Policies shall contain or be endorsed to contain such provisions.

5.7 Waiver of Subrogation. All policies of Commercial General Liability and Automobile Liability Insurance shall contain or be endorsed to waive subrogation against the City, its officials, officers, employees, agents and volunteers, or shall specifically allow Consultant or others providing insurance evidence in compliance with the requirements set forth in this section to waive their right to recovery prior to a loss. Consultant hereby agrees to waive its own right of recovery against the City, its officials, officers, employees, agents and volunteers, and Consultant hereby agrees to require similar written express waivers and insurance clauses from each of its subconsultants or subcontractors.

5.8 Evidence of Coverage. Concurrently with the execution of the Agreement, Consultant shall deliver certificates of insurance together with original endorsements affecting each of the insurance policies required by this section. Required insurance policies shall not be in compliance if they include any limiting provision or endorsement that has not been submitted to the City for written approval. The certificates of insurance and original endorsements for each insurance policy shall be signed by a person authorized by that insurer to bind coverage on its behalf. At least fifteen (15) days prior to the expiration of any such policy, evidence of insurance showing that such insurance coverage has been renewed or extended shall be filed with the City. If such coverage is cancelled or reduced and not replaced immediately so as to avoid a lapse in the required coverage, Consultant shall, within ten (10) days after receipt of written notice of such

cancellation or reduction of coverage, file with the City evidence of insurance showing that the required insurance has been reinstated or has been provided through another insurance company or companies. Consultant shall promptly furnish, at City's request, copies of actual policies including all declaration pages, endorsements, exclusions and any other policy documents City requires to verify coverage.

5.9 Requirements Not Limiting. Requirement of specific coverage or minimum limits contained in this section are not intended as a limitation on coverage, limits, or other requirements, or a waiver of any coverage normally provided by any insurance. Nothing in this section shall be construed as limiting in any way the indemnification provision contained in this Agreement, or the extent to which Consultant may be held responsible for payments of damages to persons or property.

5.10 Enforcement of Agreement (Non-Estoppel). Consultant acknowledges and agrees that actual or alleged failure on the part of the City to inform Consultant of any non-compliance with any of the insurance requirements set forth in this section imposes no additional obligation on the City nor does it waive any rights hereunder.

5.11 Insurance for Subconsultants. Consultant shall either: (1) include all subconsultants or subcontractors engaged in any Work or Services for Consultant relating to this Agreement as additional named insureds under the Consultant's insurance policies, or (2) Consultant shall be responsible for causing its subconsultants or subcontractors to procure and maintain the appropriate insurance in compliance with the terms of the insurance requirements set forth in this section, including adding the City, its officials, officers, employees, agents and volunteers, as additional insureds to their respective policies. All policies of Commercial General Liability Insurance provided by Consultant's subconsultants or subcontractors performing any Work or Services related to this Agreement shall be endorsed to name the City, its officials, officers, employees, agents and volunteers, as additional insureds. Consultant shall not allow any subconsultant or subcontractor to commence any Work or Services relating to this Agreement unless and until it has provided evidence satisfactory to City that the subconsultant or subcontractor has secured all insurance required under this section.

5.12 Other Insurance Requirements. The following terms and conditions shall apply to the insurance policies required of Consultant pursuant to this Agreement:

A. Consultant shall provide immediate written notice to City if (1) any of the insurance policies required herein are terminated, cancelled or suspended, (2) the limits of any of the insurance coverages required herein are reduced, or (3) the deductible or self-insured retention is increased.

B. All insurance coverage and limits provided by Consultant and available or applicable to this Agreement are intended to apply to each insured, including additional insureds, against whom a claim is made or suit is brought to the full extent of the policies. Nothing contained in this Agreement or any other agreement relating to the City or its operations shall limit the application of such insurance coverage.

C. None of the insurance coverages required herein will be in compliance with the requirements of this section if they include any limiting endorsement which substantially impairs the coverages set forth herein (e.g., elimination of contractual liability or reduction of discovery period), unless the endorsement has first been submitted to the City and approved in writing.

D. Certificates of insurance will not be accepted in lieu of required endorsements, and submittal of certificates without required endorsements may delay commencement of the Project. It is Consultant's obligation to ensure timely compliance with all insurance submittal requirements as provided herein.

E. Consultant agrees to ensure that subconsultants and subcontractors, if any, and any other parties involved with the Project who are brought onto or involved in the Project by Consultant, provide the same minimum insurance coverage required of Consultant. Consultant agrees to monitor and review all such coverage and assumes all responsibility for ensuring that such coverage is provided in conformity with the requirements of this section. Consultant agrees that upon request, all agreements with subcontractors and others engaged in the Project will be submitted to the City for review.

F. Consultant agrees to provide immediate written notice to City of any claim, demand or loss against Consultant arising out of the Work or Services performed under this Agreement and for any other claim, demand or loss which may reduce the insurance available to pay claims, demands or losses arising out of this Agreement.

6. INDEMNIFICATION

To the fullest extent permitted by law, Consultant shall defend (at Consultant's sole cost and expense with legal counsel reasonably acceptable to City), indemnify and hold the City, its elected and appointed officials, officers, employees, agents and volunteers, free and harmless from any and all claims, demands, orders, causes of action, costs, expenses, liabilities, losses, penalties, judgments, arbitration awards, settlements, damages or injuries of any kind, in law or in equity, including but not limited to property or persons, including wrongful death, (collectively "Claims") in any manner arising out of, pertaining to, related to, or incident to any alleged acts, errors or omissions, or willful misconduct of Consultant, its officers, directors, employees, subcontractors, consultants or agents, in connection with Consultant's performance under this Agreement, including without limitation the payment of all consequential damages, expert witness fees and attorneys' fees and other related costs and expenses. Notwithstanding the foregoing, to the extent that the Work or Services performed by Consultant are subject to Civil Code Section 2782.8, the above indemnity shall be limited, to the extent required by Civil Code Section 2782.8, to claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant. Under no circumstances shall the insurance requirements and limits set forth in this Agreement be construed to limit Consultant's indemnification obligation or other liability hereunder. Notwithstanding the foregoing, such obligation to defend, hold harmless, and indemnify the City, its elected and appointed officials, officers, employees, agents, and volunteers, shall not apply to such claims or liabilities arising from the sole or active negligence or willful misconduct of City.

7. REPORTS AND RECORDS

7.1 Accounting Records. Consultant shall keep complete, accurate, and detailed accounts of all time, costs, expenses, and expenditures pertaining in any way to this Agreement. Consultant shall keep such books and records as shall be necessary to properly perform the Services required by this Agreement and to enable the Contract Officer to evaluate the performance of such Services. The Contract Officer shall have full and free access to such books and records at all reasonable times, including the right to inspect, copy, audit, and make records and transcripts from such records.

7.2 Reports. Consultant shall periodically prepare and submit to the Contract Officer such reports concerning the performance of the Services required by this Agreement as the Contract Officer shall require. Consultant hereby acknowledges that the City is greatly concerned about the cost of the Work and Services to be performed pursuant to this Agreement. For this reason, Consultant agrees that if Consultant becomes aware of any facts, circumstances, techniques, or events that may or will materially increase or decrease the cost of the Work or Services contemplated herein or, if Consultant is providing design services, the cost of the project being designed, Consultant shall promptly notify the Contract Officer of such fact, circumstance, technique, or event and the estimated increased or decreased cost related thereto and, if Consultant is providing design services, the estimated increased or decreased cost estimate for the project being designed.

7.3 Ownership of Documents. All drawings, specifications, reports, records, documents, memoranda, correspondence, computations, and other materials prepared by Consultant, its employees, subconsultants, subcontractors and agents in the performance of this Agreement shall be the property of City and shall be promptly delivered to City upon request of the Contract Officer or upon the termination of this Agreement, and Consultant shall have no claim for further employment or additional compensation as a result of the exercise by City of its full rights of ownership of the documents and materials hereunder. Consultant may retain copies of such documents for its own use. Consultant shall have an unrestricted right to use the concepts embodied therein. Consultant shall ensure that all of its subconsultants and subcontractors shall provide for assignment to City of any documents or materials prepared by them, and in the event Consultant fails to secure such assignment, Consultant shall indemnify City for all damages resulting therefrom.

7.4 Release of Documents. All drawings, specifications, reports, records, documents, and other materials prepared by Consultant in the performance of services under this Agreement shall not be released publicly without the prior written approval of the Contract Officer. All information gained by Consultant in the performance of this Agreement shall be considered confidential and shall not be released by Consultant without City's prior written authorization.

7.5 Audit and Inspection of Records.

A. After receipt of reasonable notice and during the regular business hours of City, Consultant shall provide City, or other agents of City, such access to Consultant's books, records, payroll documents, and facilities as City deems necessary to examine, copy, audit, and

inspect all accounting books, records, work data, documents, and activities directly related to Consultant's performance under this Agreement.

B. *For the purpose of determining compliance with Government Code Section 8546.7, Consultant, subconsultants, subcontractors, and City shall maintain all books, documents, papers, accounting records, Independent certified public accountants (CPA) Audited Indirect Cost Rate workpapers, and other evidence pertaining to the performance of the Agreement, including, but not limited to, the costs of administering the Agreement. All parties, including the Consultant's Independent CPA, shall make such workpapers and materials available at their respective offices at all reasonable times during the Agreement period and for three (3) years from the date of final payment under the Agreement, and records for real property and equipment acquired with federal funds must be retained for three (3) years after final disposition. City, State of California, California State Auditor, Caltrans Auditor, FHWA, or any duly authorized representative of the Federal Government having jurisdiction under federal laws or regulations (including the basis of federal funding in whole or in part) shall have access to any books, records, and documents of Consultant, subconsultants, and the Consultant's Independent CPA, that are pertinent to the Agreement for audits, examinations, workpaper review, excerpts, and transactions, and copies thereof shall be furnished if requested without limitation.*

7.6 Audit Review Procedures.

A. Any dispute concerning a question of fact arising under an interim or post audit of this Agreement that is not disposed of by agreement, shall be reviewed by the City Public Works Director/City Engineer and the City Finance Director.

B. Not later than thirty (30) calendar days after issuance of the final audit report, Consultant may request a review by the City Manager or City Finance Director of unresolved audit issues. The request for review will be submitted in writing.

C. Neither the pendency of a dispute nor its consideration by City will excuse Consultant from full and timely performance, in accordance with the terms of this Agreement.

D. Consultant, subcontractor, and subconsultant agreements, including cost proposals and Indirect Cost Rates (ICR), may be subject to audits or reviews such as, but not limited to, an Agreement audit, an incurred cost audit, an ICR Audit, or a CPA ICR audit work paper review. If selected for audit or review, the Agreement, Schedule of Compensation/Fees, and ICR and related work papers, if applicable, will be reviewed to verify compliance with 48 CFR Part 31 and other related laws and regulations. In the instances of a CPA ICR audit work paper review, it is Consultant's responsibility to ensure federal, City, or local government officials are allowed full access to the CPA's work papers including making copies as necessary. The Agreement, cost proposal, and ICR shall be adjusted by Consultant and approved by City's Contract Officer to conform to the audit or review recommendations. Consultant agrees that individual terms of costs identified in the audit report shall be incorporated into the agreement by this reference if directed by City at its sole discretion. Refusal by Consultant to incorporate audit or review recommendations, or to ensure that the federal, City, or local governments have access to CPA work papers, will be considered a breach of this Agreement terms and cause for termination of the Agreement and disallowance of prior reimbursed costs.

E. Consultant's Schedule of Compensation/Fees may be subject to a CPA ICR Audit Work Paper Review and/or audit by the Independent Office of Audits and Investigations (IOAI). IOAI, at its sole discretion, may review and/or audit and approve the CPA ICR documentation. The Schedule of Compensation/Fees shall be adjusted by the Consultant and approved by City's Contract Officer to conform to the Work Paper Review recommendations included in the management letter or audit recommendations included in the audit report. Refusal by the Consultant to incorporate the Work Paper Review recommendations included in the management letter or audit recommendations included in the audit report will be considered a breach of the Agreement terms and cause for termination of the Agreement and disallowance of prior reimbursed costs.

1. During IOAI's review of the ICR audit work papers created by the Consultant's independent CPA, IOAI will work with the CPA and/or Consultant toward a resolution of issues that arise during the review. Each Party agrees to use its best efforts to resolve any audit disputes in a timely manner. If IOAI identifies significant issues during the review and is unable to issue a cognizant approval letter, City will reimburse the Consultant at an accepted ICR until a FAR (Federal Acquisition Regulation) compliant ICR (e.g. 48 CFR Part 31; GAGAS (Generally Accepted Auditing Standards)); CAS (Cost Accounting Standards), if applicable; in accordance with procedures and guidelines of the American Association of State Highways and Transportation Officials (AASHTO) Audit Guide; and other applicable procedures and guidelines}is received and approved by IOAI. Accepted Rates will be as follows:

a. If the proposed rate is less than one hundred fifty percent (150%), the accepted rate reimbursed will be ninety percent (90%) of the proposed rate.

b. If the proposed rate is between one hundred fifty percent (150%) and two hundred percent (200%), the accepted rate will be eighty-five percent (85%) of the proposed rate.

c. If the proposed rate is greater than two hundred percent (200%), the accepted rate will be seventy-five percent (75%) of the proposed rate.

2. If IOAI is unable to issue a cognizant letter per subsection E.1. above, IOAI may require Consultant to submit a revised independent CPA-audited ICR and audit report within three (3) months of the effective date of the management letter. IOAI will then have up to six (6) months to review the Consultant's and/or the independent CPA's revisions.

3. If Consultant fails to comply with the provisions of this subsection E, or if IOAI is still unable to issue a cognizant approval letter after the revised independent CPA audited ICR is submitted, overhead cost reimbursement will be limited to the accepted ICR that was established upon initial rejection of the ICR and set forth in subsection E.1. above for all rendered services. In this event, this accepted ICR will become the actual and final ICR for reimbursement purposes under this Agreement.

4. Consultant may submit to City final invoice only when all of the following items have occurred: (1) IOAI accepts or adjusts the original or revised independent

CPA audited ICR; (2) all work under this Agreement has been completed to the satisfaction of City; and (3) IOAI has issued its final ICR review letter. The Consultant must submit its final invoice to City no later than sixty (60) calendar days after occurrence of the last of these items. The accepted ICR will apply to this Agreement and all other agreements executed between City and the Consultant, either as a prime or subconsultant, with the same fiscal period ICR.

8. ENFORCEMENT OF AGREEMENT

8.1 California Law and Venue. This Agreement shall be construed and interpreted both as to validity and as to performance of the Parties in accordance with the laws of the State of California. Legal actions concerning any dispute, claim, or matter arising out of or in relation to this Agreement shall be instituted in the Superior Court of the County of Orange, State of California, or any other appropriate court in such County, and Consultant covenants and agrees to submit to the personal jurisdiction of such court in the event of such action.

8.2 Interpretation. This Agreement shall be construed as a whole according to its fair language and common meaning to achieve the objectives and purposes of the Parties. The terms of this Agreement are contractual and the result of negotiation between the Parties. Accordingly, any rule of construction of contracts (including, without limitation, California Civil Code Section 1654) that ambiguities are to be construed against the drafting party, shall not be employed in the interpretation of this Agreement. The caption headings of the various sections and paragraphs of this Agreement are for convenience and identification purposes only and shall not be deemed to limit, expand, or define the contents of the respective sections or paragraphs.

8.3 Termination. City may terminate this Agreement for any reason, with or without cause, upon giving Consultant thirty (30) days written notice. Upon such notice, City shall pay Consultant for Services performed through the date of termination. Upon receipt of such notice, Consultant shall immediately cease all work under this Agreement, unless the notice provides otherwise. Thereafter, Consultant shall have no further claims against the City under this Agreement. Upon termination of the Agreement pursuant to this section, Consultant shall submit to the City an invoice for work and services performed prior to the date of termination. In addition, Consultant reserves the right to terminate this Agreement at any time upon sixty (60) days written notice to the City, except that where termination is due to material default by the City, the period of notice may be such shorter time as the Consultant may determine.

8.4 Default of Consultant.

A. Consultant's failure to comply with any provision of this Agreement shall constitute a default.

B. If the City Manager, or City Manager's designee, determines that Consultant is in default in the performance of any of the terms or conditions of this Agreement, he/she shall notify Consultant in writing of such default. Consultant shall have ten (10) days, or such longer period as City may designate, to cure the default by rendering satisfactory performance. In the event Consultant fails to cure its default within such period of time, City shall have the right, notwithstanding any other provision of this Agreement, to terminate this Agreement without further notice and without prejudice of any remedy to which City may be entitled at law,

in equity, or under this Agreement. Consultant shall be liable for any and all reasonable costs incurred by City as a result of such default. Compliance with the provisions of this section shall not constitute a waiver of any City right to take legal action in the event that the dispute is not cured, provided that nothing herein shall limit City's right to terminate this Agreement without cause pursuant to Section 8.3.

C. If termination is due to the failure of the Consultant to fulfill its obligations under this Agreement, City may, after compliance with the provisions of Section 8.4(B), take over the work and prosecute the same to completion by contract or otherwise, and the Consultant shall be liable to the extent that the total cost for completion of the Services required hereunder exceeds the Maximum Contract Amount (provided that the City shall use reasonable efforts to mitigate such damages), and City may withhold any payments to the Consultant for the purpose of set-off or partial payment of the amounts owed the City as previously stated. The withholding or failure to withhold payments to Consultant shall not limit Consultant's liability for completion of the Services as provided herein.

8.5 Waiver. No waiver of any provision of this Agreement shall be effective unless in writing and signed by a duly authorized representative of the Party against whom enforcement of a waiver is sought. Any waiver by the Parties of any default or breach of any covenant, condition, or term contained in this Agreement, shall not be construed to be a waiver of any subsequent or other default or breach, nor shall failure by the Parties to require exact, full, and complete compliance with any of the covenants, conditions, or terms contained in this Agreement be construed as changing the terms of this Agreement in any manner or preventing the Parties from enforcing the full provisions hereof.

8.6 Rights and Remedies Cumulative. Except with respect to rights and remedies expressly declared to be exclusive in this Agreement, the rights and remedies of the Parties are cumulative and the exercise by either Party of one or more of such rights or remedies shall not preclude the exercise by it, at the same or different times, of any other rights or remedies for the same default or any other default by the other Party.

8.7 Legal Action. In addition to any other rights or remedies, either Party may take legal action, in law or in equity, to cure, correct or remedy any default, to recover damages for any default, to compel specific performance of this Agreement, to obtain declaratory or injunctive relief, or to obtain any other remedy consistent with the purposes of this Agreement.

8.8 Attorneys' Fees. In the event any dispute between the Parties with respect to this Agreement results in litigation or any non-judicial proceeding, the prevailing Party shall be entitled, in addition to such other relief as may be granted, to recover from the non-prevailing Party all reasonable costs and expenses, including but not limited to reasonable attorneys' fees, expert witness fees, court costs and all fees, costs, and expenses incurred in any appeal or in collection of any judgment entered in such proceeding. To the extent authorized by law, in the event of a dismissal by the plaintiff or petitioner of the litigation or non-judicial proceeding within thirty (30) days of the date set for trial or hearing, the other Party shall be deemed to be the prevailing Party in such litigation or proceeding.

9. CITY OFFICERS AND EMPLOYEES: NON-DISCRIMINATION

9.1 Non-liability of City Officers and Employees. No officer or employee of the City shall be personally liable to the Consultant, or any successor-in-interest, in the event of any default or breach by the City or for any amount which may become due to the Consultant or to its successor, or for breach of any obligation of the terms of this Agreement.

9.2 Conflict of Interest.

A. No officer or employee of the City shall have any financial interest, direct or indirect, in this Agreement nor shall any such officer or employee participate in any decision relating to the Agreement which effects his or her financial interest or the financial interest of any corporation, partnership, or association in which they are, directly or indirectly, interested in violation of any state statute or regulation. Consultant represents and warrants that it has not paid or given and will not pay or give any third party any money or other consideration in exchange for obtaining this Agreement.

B. During the term of this Agreement, Consultant shall disclose any financial, business, or other relationship with City that may have an impact upon the outcome of this Agreement, or any ensuing City construction project. Consultant shall also list current clients who may have a financial interest in the outcome of this Agreement, or any ensuing City construction project, which will follow.

C. Consultant certifies that it has disclosed to City any actual, apparent, or potential conflicts of interest that may exist relative to the services to be provided pursuant to this Agreement. Consultant agrees to advise City of any actual, apparent or potential conflicts of interest that may develop subsequent to the date of execution of this Agreement. Consultant further agrees to complete any statements of economic interest if required by either City ordinance or State law.

D. Consultant hereby certifies that it does not now have, nor shall it acquire any financial or business interest that would conflict with the performance of Work or Services under this Agreement.

E. Consultant hereby certifies that Consultant or any subconsultant and any firm affiliated with Consultant or subconsultant that bids on any construction contract or on any agreement to provide construction inspection for any construction project resulting from this Agreement, has established necessary controls to ensure a conflict of interest does not exist. An affiliated firm is one, which is subject to the control of the same persons, through joint ownership or otherwise.

9.3 Covenant Against Discrimination.

A. In connection with its performance under this Agreement, Consultant shall not discriminate against any employee or applicant for employment because of race, disability, medical condition, religion, color, sex, sexual orientation, age, marital status, ancestry, or national origin. Consultant shall ensure that applicants are employed, and that employees are treated during

their employment, without regard to their race, disability, medical condition, religion, color, sex, sexual orientation, age, marital status, ancestry, or national origin. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

B. During the performance of this Agreement, Consultant and its subconsultants and subcontractors shall not deny the Agreement's benefits to any person on the basis of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, or military and veteran status, nor shall they unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of race, color, ancestry, religious creed, national origin, physical disability, mental disability, medical condition, age, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, or military and veteran status. Consultant, subconsultants, and subcontractors shall ensure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment.

C. Consultant, subconsultants, and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 12990 et seq.), applicable regulations promulgated thereunder (2 CCR Section 7285 et seq.), the provisions of Government Code Sections 11135–11139.5, and any regulations or standards adopted by City to implement such articles. The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a)–(f) are set forth in 2 CCR Sections 8100–8504 and are incorporated into this Agreement by reference and made a part hereof as if set forth in full.

D. Consultant shall permit access by representatives of the Department of Fair Employment and Housing and City upon reasonable notice at any time during the normal business hours, but in no case less than twenty-four (24) hours' notice, to such of its books, records, accounts, and all other sources of information and its facilities as said Department or City shall require to ascertain compliance with this clause.

E. Consultant and its subconsultants and subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement.

F. Consultant shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under this Agreement.

G. Consultant, with regard to the work performed under this Agreement, shall act in accordance with Title VI of the Civil Rights Act of 1964 (42 U.S.C. Section 2000d et seq.). Title VI provides that the recipients of federal assistance will implement and maintain a policy of nondiscrimination in which no person in the United States shall, on the basis of race, color, national origin, religion, sex, age, disability, be excluded from participation in, denied the benefits of or subject to discrimination under any program or activity by the recipients of federal assistance or their assignees and successors in interest.

H. Consultant shall comply with regulations relative to nondiscrimination in federally-assisted programs of the U.S. Department of Transportation (DOT) (49 CFR Part 21 – Effectuation of Title VI of the Civil Rights Act of 1964). Specifically, Consultant shall not participate either directly or indirectly in the discrimination prohibited by 49 CFR Section 21.5, including employment practices and the selection and retention of subconsultants and subcontractors.

I. Consultant, subrecipient, or subconsultant will never exclude any person from participation in, deny any person the benefits of, or otherwise discriminate against anyone in connection with the award and performance of any contract covered by 49 CFR Part 26 on the basis of race, color, sex, or national origin. In administering the City components of the DBE Program Plan, Consultant, subrecipient, or subconsultant will not, directly, or through contractual or other arrangements, use criteria or methods of administration that have the effect of defeating or substantially impairing accomplishment of the objectives of the DBE Program Plan with respect to individuals of a particular race, color, sex, or national origin.

J. Consultant agrees to comply with the Title VI Assurances, attached hereto as Exhibit "C", which is hereby incorporated by reference and is made a part of this Agreement, and to include these assurances in all subcontracts at any tier.

9.4 Rebates, Kickbacks or Other Unlawful Consideration. *Consultant warrants that this Agreement was not obtained or secured through rebates, kickbacks or other unlawful consideration either promised or paid to any City employee. For breach or violation of this warranty, City shall have the right, in its discretion, to terminate the Agreement without liability, to pay only for the value of the work actually performed, or to deduct from the Agreement price, or otherwise recover the full amount of such rebate, kickback, or other unlawful consideration.*

9.5 Contingent Fee. *Consultant warrants, by execution of this Agreement, that no person or selling agency has been employed, or retained, to solicit or secure this Agreement upon an agreement or understanding, for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees, or bona fide established commercial or selling agencies maintained by Consultant for the purpose of securing business. For breach or violation of this warranty, City has the right to annul this Agreement without liability, pay only for the value of the Work actually performed, or in its discretion to deduct from the Maximum Contract Amount or consideration, or otherwise recover the full amount of such commission, percentage, brokerage, or contingent fee.*

10. MISCELLANEOUS PROVISIONS

10.1 Patent and Copyright Infringement.

A. To the fullest extent permitted by law, and in lieu of any other warranty by City or Consultant against patent or copyright infringement, statutory or otherwise, it is agreed that Consultant shall defend at its expense any claim or suit against City on account of any allegation that any item furnished under this Agreement, or the normal use or sale thereof arising out of the

performance of this Agreement, infringes upon any presently existing U.S. letters patent or copyright and Consultant shall pay all costs and damages finally awarded in any such suit or claim, provided that Consultant is promptly notified in writing of the suit or claim and given authority, information and assistance at Consultant's expense for the defense of same, and provided such suit or claim arises out of, pertains to, or is related to the alleged negligence, recklessness or willful misconduct of Consultant. However, Consultant will not indemnify City if the suit or claim results from: (1) City's alteration of a deliverable, such that City's alteration of such deliverable created the infringement upon any presently existing U.S. letters patent or copyright; or (2) the use of a deliverable in combination with other material not provided by Consultant when it is such use in combination which infringes upon an existing U.S. letters patent or copyright.

B. Consultant shall have sole control of the defense of any such claim or suit and all negotiations for settlement thereof, Consultant shall not be obligated to indemnify City under any settlement made without Consultant's consent or in the event City fails to cooperate in the defense of any suit or claim, provided, however, that such defense shall be at Consultant's expense. If the use or sale of such item is enjoined as a result of the suit or claim, Consultant, at no expense to City, shall obtain for City the right to use and sell the item, or shall substitute an equivalent item acceptable to City and extend this patent and copyright indemnity thereto.

10.2 Notices. All notices or other communications required or permitted hereunder shall be in writing, and shall be personally delivered, sent by registered or certified mail, postage prepaid, return receipt requested, or delivered or sent by facsimile with attached evidence of completed transmission, and shall be deemed received upon the earlier of (i) the date of delivery to the address of the person to receive such notice if delivered personally or by messenger or overnight courier; (ii) five (5) business days after the date of posting by the United States Post Office if by mail; or (iii) when sent if given by facsimile. Notices or other communications shall be addressed as follows:

To City: City of Laguna Hills
Attention: City Manager
24035 El Toro Road
Laguna Hills, California 92653
Telephone: (949) 707-2600

To Consultant: Psomas
Attention: Tom Herbel, Project Manager
5 Hutton Centre Drive, Suite 300
Santa Ana, CA 92707
Telephone: (714) 751-7373

10.3 Entire Agreement. This Agreement constitutes the entire agreement between the Parties and supersedes all prior negotiations, arrangements, agreements, representations, and understandings, if any, made by or among the Parties with respect to the subject matter hereof. No amendments or other modifications of this Agreement shall be binding unless executed in writing by both Parties hereto, or their respective successors, assigns, or grantees.

10.4 Severability. Whenever possible, each provision of this Agreement shall be

interpreted in such a manner as to be effective and valid under applicable law, but if any provision of this Agreement shall be determined to be invalid by a final judgment or decree of a court of competent jurisdiction, such provision shall be ineffective only to the extent of such prohibition or invalidity, without invalidating the reminder of that provision, or the remaining provisions of this Agreement unless the invalid provision is so material that its invalidity deprives either Party of the basic benefit of their bargain or renders this Agreement meaningless.

10.5 Successors in Interest. This Agreement shall be binding upon and inure to the benefit of the Parties' successors and assignees.

10.6 Third Party Beneficiary. Nothing contained in this Agreement is intended to confer, nor shall this Agreement be construed as conferring, any rights, including, without limitation, any rights as a third-party beneficiary or otherwise, upon any entity or person not a party hereto.

10.7 Recitals. The above-referenced Recitals are hereby incorporated into the Agreement as though fully set forth herein and each Party acknowledges and agrees that such Party is bound, for purposes of this Agreement, by the same.

10.8. Corporate Authority. Each of the undersigned represents and warrants that (i) the Party for which he/she is executing this Agreement is duly authorized and existing, (ii) he/she is duly authorized to execute and deliver this Agreement on behalf of the Party for which he/she is signing, (iii) by so executing this Agreement, the Party for which he/she is signing is formally bound to the provisions of this Agreement, and (iv) the entering into this Agreement does not violate any provision of any other Agreement to which the Party for which he/she is signing is bound.

10.9 Prevailing Wages. The City has determined that the Work and Services under this Agreement requires work of labor categories which are subject to Prevailing Wage Laws identified in the State of California Labor Code. Consultant is aware of the requirements of California Labor Code Section 1720, et seq., and 1770, et seq., as well as California Code of Regulations, Title 8, Section 16000, et seq., ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on "public works" and "maintenance" projects. Consultant agrees to fully comply with all applicable federal and state labor laws (including, without limitation, the Prevailing Wage Laws). It is agreed by the Parties that, in connection with the Work or Services provided pursuant to this Agreement, Consultant shall bear all risks of payment or non-payment of prevailing wages under California law, and Consultant hereby agrees to defend, indemnify, and hold the City, its elected officials, officers, employees, and agents free and harmless from any claim or liability arising out of any failure or alleged failure to comply with the Prevailing Wage Laws. The foregoing indemnity shall survive termination of this Agreement. Consultant understands and agrees to comply with the following California Labor Code compliance conditions [Labor Code Sections 1720 et seq., 1813, 1860, 1861, 3700]:

A. Neither Consultant nor any subconsultant may be awarded an agreement containing public work elements unless registered with the Department of Industrial Relations (DIR) pursuant to Labor Code Section 1725.5. Registration with DIR must be maintained throughout the entire term of this Agreement, including any subsequent amendments.

B. The Consultant shall comply with all of the applicable provisions of the California Labor Code requiring the payment of prevailing wages. The General Prevailing Wage Rate Determinations applicable to work under this Agreement are available and on file with the Department of Transportation's Regional/District Labor Compliance Officer (https://dot.ca.gov/programs/construction/labor-compliance). These wage rates are made a specific part of this Agreement by reference pursuant to Labor Code Section 1773.2 and will be applicable to Work performed at a construction project site. Prevailing wages will be applicable to all inspection work performed at City's construction sites, at City facilities, and at off-site locations that are set up by the construction contractor or one of its subcontractors solely and specifically to serve City projects. Prevailing wage requirements do not apply to inspection work performed at the facilities of vendors and commercial materials suppliers that provide goods and services to the general public.

C. General Prevailing Wage Rate Determinations applicable to this project may also be obtained from the Department of Industrial Relations website at http://www.dir.ca.gov.

D. Payroll Records

1. Consultant and all subconsultants shall keep accurate certified payroll records and supporting documents as mandated by Labor Code Section 1776 and as defined in 8 CCR Section 16000 showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by the Consultant or subconsultant in connection with the public work. Each payroll record shall contain or be verified by a written declaration that it is made under penalty of perjury, stating both of the following:

a. The information contained in the payroll record is true and correct.

b. The employer has complied with the requirements of Labor Code Sections 1771, 1811, and 1815 for any work performed by his or her employees on the public works project.

2. The payroll records enumerated under paragraph (1) above shall be certified as correct by the Consultant under penalty of perjury. The payroll records and all supporting documents shall be made available for inspection and copying by City representatives at all reasonable hours at the principal office of the Consultant. The Consultant shall provide copies of certified payrolls or permit inspection of its records as follows:

a. A certified copy of an employee's payroll record shall be made available for inspection or furnished to the employee or the employee's authorized representative on request.

b. A certified copy of all payroll records enumerated in paragraph (1) above, shall be made available for inspection or furnished upon request to a representative of City, the Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards of the Department of Industrial Relations. Certified payrolls submitted to City, the Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards shall not be altered or obliterated by the Consultant.

c. The public shall not be given access to certified payroll records by the Consultant, except as permitted by law. The Consultant is required to forward any requests for certified payrolls to the City's Contract Officer by both email and regular mail on the business day following receipt of the request.

3. Each Consultant shall submit a certified copy of the records enumerated in paragraph (1) above, to the entity that requested the records within ten (10) calendar days after receipt of a written request.

4. Any copy of records made available for inspection as copies and furnished upon request to the public or any public agency by City shall be marked or obliterated in such a manner as to prevent disclosure of each individual's name, address, and social security number, unless fewer redactions are permitted by law. The name and address of the Consultant or Subconsultant performing the Work shall not be marked or obliterated.

5. The Consultant shall inform the City of the location of the records enumerated under paragraph (1) above, including the street address, city and county, and shall, within five (5) working days, provide a notice of a change of location and address.

6. The Consultant or Subconsultant shall have ten (10) calendar days in which to comply subsequent to receipt of written notice requesting the records enumerated in paragraph (1) above. In the event the Consultant or subconsultant fails to comply within the ten (10) day period, he or she shall, as a penalty to City, forfeit one hundred dollars ($100) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Such penalties shall be withheld by City from payments then due. Consultant is not subject to a penalty assessment pursuant to this section due to the failure of a subconsultant to comply with this section.

E. When prevailing wage rates apply, the Consultant is responsible for verifying compliance with certified payroll requirements. Invoice payment will not be made until the invoice is approved by the City's Contract Officer.

F. <u>Penalty</u>.

1. The Consultant and any of its subconsultants shall comply with Labor Code Sections 1774 and 1775. Pursuant to Labor Code Section 1775, the Consultant and any subconsultant shall forfeit to the City a penalty of not more than two hundred dollars ($200) for each calendar day, or portion thereof, for each worker paid less than the prevailing rates as determined by the Director of DIR for the work or craft in which the worker is employed for any public work done under the Agreement by the Consultant or by its Subconsultant in violation of

the requirements of the Labor Code and in particular, Labor Code Sections 1770 to 1780, inclusive.

2. The amount of this forfeiture shall be determined by the Labor Commissioner and shall be based on consideration of mistake, inadvertence, or neglect of the Consultant or subconsultant in failing to pay the correct rate of prevailing wages, or the previous record of the Consultant or subconsultant in meeting their respective prevailing wage obligations, or the willful failure by the Consultant or subconsultant to pay the correct rates of prevailing wages. A mistake, inadvertence, or neglect in failing to pay the correct rates of prevailing wages is not excusable if the Consultant or subconsultant had knowledge of the obligations under the Labor Code. The Consultant is responsible for paying the appropriate rate, including any escalations that take place during the term of the Agreement.

3. In addition to the penalty and pursuant to Labor Code Section 1775, the difference between the prevailing wage rates and the amount paid to each worker for each calendar day or portion thereof for which each worker was paid less than the prevailing wage rate shall be paid to each worker by the Consultant or subconsultant.

4. If a worker employed by a subconsultant on a public works project is not paid the general prevailing per diem wages by the subconsultant, the Consultant of the project is not liable for the penalties described above unless the Consultant had knowledge of that failure of the subconsultant to pay the specified prevailing rate of wages to those workers or unless the Consultant fails to comply with all of the following requirements:

a. The agreement executed between the Consultant and the subconsultant for the performance of work on public works projects shall include a copy of the requirements in Labor Code Sections 1771, 1775, 1776, 1777.5, 1813, and 1815.

b. The Consultant shall monitor the payment of the specified general prevailing rate of per diem wages by the subconsultant to the employees by periodic review of the certified payroll records of the subconsultant.

c. Upon becoming aware of the subconsultant's failure to pay the specified prevailing rate of wages to the subconsultant's workers, the Consultant shall diligently take corrective action to halt or rectify the failure, including but not limited to, retaining sufficient funds due the subconsultant for work performed on the public works project.

d. Prior to making final payment to the subconsultant for work performed on the public works project, the Consultant shall obtain an affidavit signed under penalty of perjury from the subconsultant that the subconsultant had paid the specified general prevailing rate of per diem wages to the subconsultant's employees on the public works project and any amounts due pursuant to Labor Code Section 1813.

5. Pursuant to Labor Code Section 1775, the City shall notify the Consultant on a public works project within fifteen (15) calendar days of receipt of a complaint that a subconsultant has failed to pay workers the general prevailing rate of per diem wages.

6. If the City determines that employees of a subconsultant were not paid the general prevailing rate of per diem wages and if the City did not retain sufficient money under the Agreement to pay those employees the balance of wages owed under the general prevailing rate of per diem wages, the Consultant shall withhold an amount of moneys due the subconsultant sufficient to pay those employees the general prevailing rate of per diem wages if requested by City.

G. Hours of Labor. Eight (8) hours labor constitutes a legal day's work. The Consultant shall forfeit, as a penalty to the City, twenty-five dollars ($25) for each worker employed in the execution of the Agreement by the Consultant or any of its subconsultants for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of the provisions of the Labor Code, and in particular Sections 1810 to 1815 thereof, inclusive, except that work performed by employees in excess of eight (8) hours per day, and forty (40) hours during any one week, shall be permitted upon compensation for all hours worked in excess of eight (8) hours per day and forty (40) hours in any week, at not less than one and one-half (1.5) times the basic rate of pay, as provided in Section 1815.

H. Employment of Apprentices.

1. Where either this Agreement or any subagreement exceeds thirty thousand dollars ($30,000), the Consultant and any subconsultants under him or her shall comply with all applicable requirements of Labor Code Sections 1777.5, 1777.6 and 1777.7 in the employment of apprentices.

2. Consultant and all subconsultants are required to comply with all Labor Code requirements regarding the employment of apprentices, including mandatory ratios of journey level to apprentice workers. Prior to commencement of work, Consultant and subconsultants are advised to contact the DIR Division of Apprenticeship Standards website at https://www.dir.ca.gov/das/, for additional information regarding the employment of apprentices and for the specific journey-to-apprentice ratios for the Agreement work. The Consultant is responsible for all subconsultants' compliance with these requirements. Penalties are specified in Labor Code Section 1777.7.

I. Pursuant to California Labor Code Sections 1860 and 3700, Consultant will be required to secure the payment of compensation to its employees. By signing this Agreement, Consultant hereby certifies as follows:

"I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Agreement."

J. Pursuant to California Labor Code Section 1771.1, Consultant and any subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the California Public Contract Code, or engage in the performance of any contract for public work on a public works project unless registered with the DIR and qualified to

perform public work pursuant to California Labor Code Section 1725.2. It is not a violation of California Labor Code Section 1771.1 for an unregistered contractor to submit a bid that is authorized by California Business and Professions Code Section 7029.1 or by California Public Contract Code Section 10164 or 20103.5, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded. Consultant shall not perform any work under this Agreement with any subcontractor who is ineligible to perform work on the public works project pursuant to Section 1777.1 or 1777.7 of the California Labor Code.

10.10 Counterparts. This Agreement may be signed in counterparts, each of which shall constitute an original.

10.11 Lobbying. *Consultant shall comply with the lobbying requirements of 31 U.S.C. Section 1352. If the Maximum Contract Amount exceeds $150,000, Consultant certifies the following:*

A. The Consultant certifies, to the best of his or her knowledge and belief, that:

1. No State, Federal, or City appropriated funds have been paid or will be paid, by or on behalf of the Consultant, to any person for influencing or attempting to influence an officer or employee of any local, State, or Federal agency, a Member of the State Legislature or United States Congress, an officer or employee of the Legislature or Congress, or any employee of a Member of the Legislature or Congress in connection with the awarding or making of this Agreement, or with the extension, continuation, renewal, amendment, or modification of this Agreement.

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Agreement, the Consultant shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

B. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. §1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than ten thousand dollars ($10,000) and not more than one hundred thousand dollars ($100,000) for each such failure.

C. The Consultant also agrees by signing this document that he or she shall require that the language of this certification be included in all lower tier subagreements, which exceed one hundred thousand dollars ($100,000), and that all such subrecipients shall certify and disclose accordingly.

10.12 Disadvantaged Business Enterprises (DBE) Participation.

A. Consultant, City, and any subconsultant(s) shall take necessary and reasonable steps to ensure that DBEs have opportunities to participate in the contract (49 CFR

Part 26). To ensure equal participation of DBEs provided in 49 CFR Section 26.5, the City shows a contract goal for DBEs. Consultant shall make work available to DBEs and select work parts consistent with available DBE subconsultants and suppliers.

1. Consultant shall meet the DBE goal shown elsewhere in these special provisions or demonstrate that it has made adequate good faith efforts to meet this goal. It is Consultant's responsibility to verify at date of proposal opening that the DBE firm is certified as a DBE by using the California Unified Certification Program (CUCP) database and possesses the most specific available North American Industry Classification System (NAICS) codes or work code applicable to the type of work the firm will perform on the contract. Additionally, Consultant is responsible to document the verification record by printing out the CUCP data for each DBE firm. A list of DBEs certified by the CUCP can be found at https://dot.ca.gov/programs/civil-rights/dbe-search.

2. All DBE participation will count toward the Caltrans' federally mandated statewide overall DBE goal. Credit for materials or supplies Consultant purchases from DBEs counts towards the goal in the following manner:

a. One hundred percent (100%) counts if the materials or supplies are obtained from a DBE manufacturer.

b. Sixty percent (60%) counts if the materials or supplies are purchased from a DBE regular dealer.

c. Only fees, commissions, and charges for assistance in the procurement and delivery of materials or supplies count if obtained from a DBE that is neither a manufacturer nor regular dealer. 49 CFR Section 26.55 defines "manufacturer" and "regular dealer."

3. This Agreement is subject to 49 CFR Part 26, "Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs." Consultants who enter into a federally-funded Agreement will assist City in a good faith effort to achieve California's statewide overall DBE goal.

B. There is no DBE goal for this Agreement. If a DBE subconsultant or subcontractor is unable to perform, Consultant must make a good faith effort to replace him/her with another DBE subconsultant or subcontractor, if the goal is not otherwise met.

C. Reserved.

D. Contract Assurance. Under 49 CFR Section 26.13(b), City, Consultant, subconsultants, or subcontractors shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Agreement. Consultant shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of federal-aid agreements. Failure by Consultant to carry out these requirements is a material breach of this Agreement, which may result in the termination of this Agreement or such other remedy as City deems

appropriate, which may include, but is not limited to: (1) withholding monthly progress payments; (2) assessing sanctions; (3) liquidated damages; and/or (4) disqualifying Consultant from future bidding as non-responsible.

E. Termination and Replacement of DBE Subconsultants. Consultant shall utilize the specific DBEs listed to perform the work and supply the materials for which each is listed unless Consultant or DBE subconsultant obtains the City's written consent. Consultant shall not terminate or replace a listed DBE for convenience and perform the work with their own forces or obtain materials from other sources without authorization from the City.

1. Termination of DBE Subconsultants. After execution of the Agreement, termination of a DBE may be allowed for the following, but not limited to, justifiable reasons with prior written authorization from the City:

a. Listed DBE fails or refuses to execute a written contract based on plans and specifications for the Project.

b. The City stipulated that a bond is a condition of executing the subcontract and the listed DBE fails to meet the City's bond requirements.

c. Work requires a contractor's license and listed DBE does not have a valid license under Contractors License Law.

d. Listed DBE fails or refuses to perform the work or furnish the listed materials (failing or refusing to perform is not an allowable reason to remove a DBE if the failure or refusal is a result of bad faith or discrimination).

e. Listed DBE's work is unsatisfactory and not in compliance with the contract.

f. Listed DBE is ineligible to work on the project because of suspension or debarment.

g. Listed DBE becomes bankrupt or insolvent or exhibits credit unworthiness.

h. Listed DBE voluntarily withdraws with written notice from the contract.

i. Listed DBE is ineligible to receive credit for the type of work required.

j. Listed DBE owner dies or becomes disabled resulting in the inability to perform the work on the contract.

k. The City determines other documented good cause.

2. Consultant must use the following procedures to request the termination of a DBE or portion of a DBE's work:

a. Send a written notice to the DBE of the Consultant's intent to use other forces or material sources and include one or more justifiable reasons listed above. Simultaneously send a copy of this written notice to the City. The written notice to the DBE must request they provide any response within five (5) business days to both the Consultant and the City by either acknowledging their agreement or documenting their reasoning as to why the use of other forces or sources of materials should not occur.

b. If the DBE does not respond within five (5) business days, Consultant may move forward with the request as if the DBE had agreed to Consultant's written notice.

c. Submit Consultant's DBE termination request by written letter to the City and include:

i. One or more above listed justifiable reasons along with supporting documentation.

ii. Consultant's written notice to the DBE regarding the request, including proof of transmission and tracking documentation of Consultant's written notice.

iii. The DBE's response to Consultant's written notice, if received. If a written response was not provided, provide a statement to that effect.

3. The City shall respond in writing to Consultant's DBE termination request within five (5) business days.

4. <u>Replacement of DBE Subconsultants</u>. After receiving the City's written authorization of DBE termination request, Consultant must obtain the City's written agreement for DBE replacement. Consultant must find or demonstrate Good Faith Efforts (GFEs) to find qualified DBE replacement firms to perform the work to the extent needed to meet the DBE commitment. The following procedures shall be followed to request authorization to replace a DBE firm:

a. Submit a request to replace a DBE with other forces or material sources in writing to the City which must include:

i. *Description of remaining uncommitted work item made available for replacement DBE solicitation and participation.*

ii. *The proposed DBE replacement firm's business information, the work they have agreed to perform, and the following:*
    1. *Description of scope of work and cost proposal*
    2. *Proposed subcontract agreement and written confirmation of agreement to perform on the Contract*
    3. *Reserved.*

b. *If Consultant has not identified a DBE replacement firm, submit documentation of Consultant's GFEs to use DBE replacement firms within seven (7) days of City's authorization to terminate the DBE. Consultant may request the City's approval to extend this submittal period to a total of fourteen (14) days. Submit documentation of actions taken to find a DBE replacement firm, such as:*

i. *Search results of certified DBEs available to perform the original DBE work identified and or other work Consultant had intended to self-perform, to the extent needed to meet DBE commitment.*

ii. *Solicitations of DBEs for performance of work identified.*

iii. *Correspondence with interested DBEs that may have included contract details and requirements.*

iv. *Negotiation efforts with DBEs that reflect why an agreement was not reached.*

v. *If a DBE's quote was rejected, provide reasoning for the rejection, such as why the DBE was unqualified for the work, or why the price quote was unreasonable or excessive.*

vi. *Copies of each DBE's and non-DBE's price quotes for work identified, as the City may contact the firms to verify solicitation efforts and determine if the DBE quotes are substantially higher.*

vii. Additional documentation that supports Consultant's GFE.

c. The City shall respond in writing to Consultant's DBE replacement request within five (5) business days.

F. Commitment and Utilization.

1. The City's DBE program must include a monitoring and enforcement mechanism to ensure that DBE commitments reconcile to DBE utilization.

2. The City shall request Consultant to:

a. Notify the City's Contract Officer, or designee, of any changes to its anticipated DBE participation;
b. Provide this notification before starting affected work; and

c. Maintain records including: (1) name and business address of each first-tier subconsultant; (2) name and business address of each DBE subconsultant, DBE vendor, and DBE trucking company, regardless of tier; and (3) date of payment and total amount paid to each business (see Caltrans Exhibit 9-P: Prompt Payment Certification, which is attached hereto as Exhibit "D" and incorporated herein by this reference).

3. If Consultant is a DBE consultant, then Consultant shall include the date of work performed by Consultant's own forces and the corresponding value of the work.

4. If a DBE is decertified before completing its work, the DBE must notify Consultant in writing of the decertification date. If a business becomes a certified DBE before completing its work, the business must notify Consultant in writing of the certification date. Consultant shall submit the notifications to the City.

5. Reserved.

6. In the City's reports of DBE participation to Caltrans, the City must display both commitments and attainments.

H. Commercially Useful Function.

1. DBEs must perform a Commercially Useful Function (CUF) under 49 CFR Section 26.55 when performing work or supplying materials listed on the DBE Commitment Form. The DBE value of work will only count toward the DBE commitment if the DBE performs a CUF. A DBE performs a CUF when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a CUF, the DBE must also be responsible with respect

to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material, and installing (where applicable), and paying for the material itself.

2. Consultant must perform CUF evaluation for each DBE working on a federal-aid contract, with or without a DBE goal. Perform a CUF evaluation at the beginning of the DBE's work and continue to monitor the performance of CUF for the duration of the project.

3. Consultant must provide written notification to the City at least fifteen (15) days in advance of each DBE's initial performance of work or supplying materials for the Contract. The notification must include the DBE's name, work the DBE will perform on the contract, and the location, date, and time of where their work will take place.

4. Within ten (10) days of a DBE initially performing work or supplying materials on the Contract, Consultant shall contact the LPA. Include the following information with the submittal:

a. Subcontract agreement with the DBE

b. Purchase orders

c. Bills of lading

d. Invoices

e. Proof of payment

5. Consultant must monitor all DBE's performance of CUF by conducting quarterly evaluations and validations throughout their duration of work on the Contract. Consultant must submit to the City these quarterly evaluations and validations by the fifth (5th) of the month for the previous three months of work.

6. Consultant must notify the City immediately if they believe the DBE may not be performing a CUF.

7. The City will verify DBEs performance of CUF by reviewing Consultant's submissions, submitted supporting information, field observations, and through any additional City evaluations. The City must evaluate DBEs and their CUF performance throughout the duration of a contract. The City will provide written notice to the Consultant and the DBE at least two (2) business days prior to any evaluation. The Consultant and the DBE must participate in the evaluation. Upon completing the evaluation, the City must share the evaluation results with the Consultant and the DBE. An evaluation could include items that must be remedied upon receipt. If the City determines the DBE is not performing a CUF, the Consultant must suspend performance of the noncompliant work.

8. Consultant and DBEs must submit any additional CUF related records and documents within five (5) business days of City's request such as:

a. Proof of ownership or lease and rental agreements for equipment

b. Tax records

c. Employee rosters

d. Certified payroll records

e. Inventory rosters

9. Failure to submit required DBE Commercially Useful Function Evaluation forms or requested records and documents can result in withholding of payment for the value of work completed by the DBE.

10. If Consultant and/or the City determine that a listed DBE is not performing a CUF in performance of their DBE committed work, Consultant must immediately suspend performance of the noncompliant portion of the work. City may deny payment for the noncompliant portion of the work. City will ask the Consultant to submit a corrective action plan (CAP) to the City within five (5) days of the noncompliant CUF determination. The CAP must identify how the Consultant will correct the noncompliance findings for the remaining portion of the DBE's work. City has five (5) days to review the CAP in conjunction with the Consultant's review. The Consultant must implement the CAP within five (5) days of the City's approval. The City will then authorize the prior noncompliant portion of work for the DBE's committed work.

11. If corrective actions cannot be accomplished to ensure the DBE performs a commercially useful function on the Contract, Consultant may have good cause to request termination of the DBE.

H. A DBE does not perform a CUF if its role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of DBE participation. In determining whether a DBE is such an extra participant, examine similar transactions, particularly those in which DBEs do not participate.

I. If a DBE does not perform or exercise responsibility for at least thirty percent (30%) of the total cost of its contract with its own work force, or the DBE subcontracts a greater portion of the work of the contract than would be expected on the basis of normal industry practice for the type of work involved, it will be presumed that it is not performing a CUF.

J. Consultant shall maintain records of materials purchased or supplied from all subcontracts entered into with certified DBEs. The records shall show the name and business address of each DBE or vendor and the total dollar amount actually paid each DBE or vendor, regardless of tier. The records shall show the date of payment and the total dollar figure paid to all firms. DBE prime consultants shall also show the date of work performed by their own forces along with the corresponding dollar value of the work.

K. If a DBE subconsultant or subcontractor is decertified during the life of the Agreement, the decertified subconsultant/subcontractor shall notify Consultant in writing with the date of decertification. If a subconsultant or subcontractor becomes a certified DBE during the life of the Agreement, the subconsultant/subcontractor shall notify Consultant in writing with the date of certification. Any changes should be reported to City's Contract Officer within thirty (30) days.

L. After submitting an invoice for reimbursement that includes a payment to a DBE, but no later than the then (10th) day of the following month, Consultant shall complete and email Caltrans Exhibit 9-P: Prompt Payment Certification (Exhibit "D") to business.support.unit@dot.ca.gov with a copy to the City.

M. Any subcontract entered into as a result of this Agreement shall contain all of the provisions of this section.

N. Consultant acknowledges and agrees that at the time of contract award, the U.S. Department of Transportation issued an Interim Final Rule making significant changes to the DBE Regulations set forth in 49 CFR Part 26, and, as such, City and Consultant may be required to further revise this Agreement to comply with the DBE Regulations.

10.13 Claims Filed by City's Construction Contractor

A. If claims are filed by City's construction contractor relating to work performed by Consultant's personnel, and additional information or assistance from Consultant's personnel is required in order to evaluate or defend against such claims; City's construction contract administration and legal staff and for testimony, if necessary, at depositions and at trial or arbitration proceedings.

B. Consultant's personnel that City considers essential to assist in defending against construction contractor claims will be made available on reasonable notice from City. Consultation or testimony will be reimbursed at the same rates, including travel costs that are being paid for Consultant's personnel services under this Agreement.

C. Services of Consultant's personnel in connection with City's construction contractor claims will be performed pursuant to a written contract amendment, if necessary, extending the termination date of this Agreement in order to resolve the construction claims.

10.14 National Labor Relations Board Certification. *In accordance with Public Contract Code Section 10296, Consultant hereby states under penalty of perjury that no more than one (1) final unappealable finding of contempt of court by a federal court has been issued against Consultant within the immediately preceding two (2)-year period, because of Consultant's failure to comply with an order of a federal court that orders Consultant to comply with an order of the National Labor Relations Board.*

10.15 Prompt Payment.

A. Prompt Payment from City to Consultant. City shall make all project progress payment within thirty (30) days after receipt of an undisputed and properly submitted payment request from Consultant. If the City fails to pay promptly, the City shall pay interest to the Consultant, which accrues at the rate of ten percent (10%) per annum on the principal amount of a money judgment remaining unsatisfied and pro-rated as necessary. Upon receipt of the payment request, the City shall act in accordance with both of the following:

1. The City shall review each payment request as soon as feasible after receipt to verify it is a proper payment request.

2. The City must return any payment request deemed improper by the City to the Consultant as soon as feasible, but not later than seven (7) days, after receipt. A request returned pursuant to this section shall include documentation setting forth in writing the reasons why it is an improper payment request.

B. Prompt Payment Certification. Consultant shall submit Caltrans Exhibit 9-P: Prompt Payment Certification (Exhibit "D") to the City by the fifteenth (15th) of the month following the month of any payment(s). If Consultant does not make any payments to subconsultants, supplier(s), and/or manufacturers, Consultant must report "no payments were made to subs this month" and write this visibly and legibly on Exhibit "D".

C. City must verify all Caltrans Exhibit 9-P: Prompt Payment Certification (Exhibit "D") information, monitor compliance with prompt payment requirements for DBE and non-DBE firms, and address any shortfalls to the DBE commitment and prompt payment issues until the end of the Project. City must email a copy of Caltrans Exhibit 9-P: Prompt Payment Certification (Exhibit "D") to DBE.Forms@dot.ca.gov before the end of the month after receiving the Exhibit 9-P from the Consultant.

10.16 Clean Air Act and Clean Water Act. *If the Maximum Contract Amount exceeds $150,000, Consultant shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, Title 42 of the United States Code (U.S.C.) Section 7401 et seq., and the Federal Water Pollution Control Act, as amended, 33 U.S.C. Section 1251 et seq. Consultant shall report any violations of use of prohibited facilities to the United States Environmental Protection Agency. Consultant agrees to include this requirement in each subcontract exceeding $150,000.*

10.17 Recycled Products. *If the Maximum Contract Amount exceeds $150,000, Consultant shall comply with all requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended, 42 U.S.C. Section 6962, including, but not limited to, the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in subpart B of 40 CFR Part 247. Consultant agrees to include this requirement in all of its subcontracts.*

10.18 Contract Work Hours and Safety Standards Act. *If the Maximum Contract Amount exceeds $100,000, Consultant agrees to comply with the Federal Contract Work Hours and Safety Standards Act, 40 U.S.C. Section 3701 et seq., as supplemented by Department of Labor regulations, 29 CFR Part 5. Under 40 U.S.C. Section 3702, Consultant shall compute the wages of every mechanic and laborer, including watchmen and guards, on the basis of a standard work week of forty (40) hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times (1.5x) the basic rate of pay for all hours worked in excess of forty (40) hours in the work week. The requirements of 40 U.S.C. Section 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.*

10.19 Prohibition on contracting for certain telecommunications and video surveillance services or equipment.

A. Pursuant to Subsections 889(a)(l)(A)-(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232), Federal funds may not be used to procure or obtain, or to enter into a contract or extend or renew a contract with an entity that uses, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, as defined. Consultant is prohibited from providing to City or the Federal Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system,

unless an exception applies or the covered telecommunication equipment or services are covered by a waiver described in FAR §4.2104. As described in Section 889, covered telecommunications equipment is telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

1. For the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).

2. Telecommunications or video surveillance services provided by such entities or using such equipment.

3. Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

10.20 Disputes; Questions of Fact.

A. Prior to either Party commencing any legal action under this Agreement, the Parties agree to try in good faith, to settle any dispute amicably between them. If a dispute has not been settled after forty-five (45) days of good-faith negotiations and as may be otherwise provided herein, then either Party may commence legal action against the other.

B. Any dispute, other than audit, concerning only a question of fact arising under this Agreement that is not disposed of by agreement shall be decided by a committee consisting of City's Contract Officer and City Manager, who may consider written or verbal information submitted by Consultant.

C. Not later than thirty (30) days after completion of all deliverables necessary to complete the plans, specifications and estimate, Consultant may request review by the City Council of unresolved claims or disputes, other than audit. The request for review will be submitted in writing.

D. Neither the pendency of a dispute nor its consideration by the committee will excuse Consultant from full and timely performance in accordance with the terms of this Agreement.

10.21 Caltrans Master Agreement and Program Supplement. *Consultant acknowledges and agrees that the City and Consultant must comply with the Caltrans Master Agreement and Program Supplement applicable to the Project. Both the Master Agreement and Program Supplement contain requirements for all subcontractors and subconsultants performing services on this Project. As such, Consultant agrees to comply with all provisions applicable to*

subcontractors and subconsultants in the Master Agreement and Program Supplement, which are attached hereto as Exhibit "E" and hereby incorporated by reference and made part of this Agreement. This includes, but is not limited to, Master Agreement Article VI, Fiscal Provisions, and Article V, Audits, Third Party Contracting, Records Retention and Reports. Consultant shall also assist the City in complying with all Master Agreement and Program Supplement provisions applicable to the Services performed under this Agreement.

[*SIGNATURES ON NEXT PAGE*]

IN WITNESS WHEREOF, the Parties have executed and entered into this Agreement as of the date first written above.

"CITY"
City of Laguna Hills,
a California municipal corporation

BOB WINGENROTH,
City Manager

ATTEST:

(SEAL)

JENNIFER LEE,
City Clerk

APPROVED AS TO FORM:

GREGORY E. SIMONIAN,
City Attorney

"CONSULTANT"

By:
Nick Tarditti,
CFO/Assistant Secretary

By:
Arief Naftali,
Vice President

EXHIBIT "A"

CONSULTANT'S PROPOSAL/ SCOPE OF WORK

FOR

PROJECT NAME

DATED: December 18, 2025

SCOPE OF SERVICES FOR PROJECT

INCLUDING,

SCHEDULE OF PERFORMANCE

AND

SCHEDULE OF COMPENSATION/ FEES

PASEO DE VALENCIA AND CABOT ROAD ACTIVE TRANSPORTATION PROJECT

CITY OF LAGUNA HILLS



Proposal | 12.18.2025

PSOMAS

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December 18, 2025

City of Laguna Hills
Attention: Joe Ames, Public Works Director
24035 El Toro Road
Laguna Hills, CA 92653

Subject: **Request for Proposals | Paseo de Valencia and Cabot Road - Active Transportation Project**

Dear Mr. Ames:

Psomas is committed to partnering with the City of Laguna Hills and is pleased to submit our proposal to support the successful delivery of the Paseo de Valencia and Cabot Road Active Transportation Project. This corridor connecting Paseo de Valencia and Cabot Road with existing and future trails on each end will create a vital link for residents, schools, shopping centers, and parks, and is central to the City's vision for enhanced mobility and safety.

Our team understands the City's goals to modernize this corridor, close gaps in high-quality bikeways, and improve pedestrian and bicycle safety for all users. We propose context-sensitive solutions that address ADA compliance, bicycle infrastructure, and crossing enhancements, in alignment with the RFP's requirements for Project Approval and Environmental Documentation (PAED) and Plans, Specifications, and Estimate (PS&E) phases. Our approach includes upgraded signals, high-visibility crosswalks, ADA-compliant ramps, and integration of Class IV bike lanes, designed to balance community needs and future growth.

Psomas will coordinate closely with City staff and stakeholders to ensure seamless integration with ongoing and future projects, and to incorporate feedback from public outreach and community engagement events as outlined in the RFP. Our multidisciplinary team brings proven experience in federally funded active transportation projects, stakeholder engagement, and local delivery. We have successfully completed at least three PAED projects in the past five years, demonstrating our capacity to meet the City's requirements.

As Vice President, I am authorized to make representations for Psomas, a California S corporation. Psomas has reviewed and is ready to execute the City's standard form draft Professional Services Agreement, as amended to incorporate Federal regulations. Our team is also open to discussing our final fee to fit the City's available budget and move this project forward. Thank you for considering our proposal. We look forward to partnering with the City of Laguna Hills to deliver a safer, more accessible Paseo de Valencia and Cabot Road corridor.

Sincerely,

PSOMAS

Tom Herbel, PE, QSD
Vice President/Project Manager
T: 714.481.8014
E: tom.herbel@psomas.com

Arief Naftali, PE, TE
Vice President/Principal-in-Charge
T: 714.481.7956
E: arief.naftali@psomas.com

5 Hutton Centre Drive
Suite #300
Santa Ana, CA 92707

Tel 714.751.7373
Fax 714.545.8883
www.Psomas.com

B Company Data

1. Official Name and Address

Psomas
5 Hutton Centre Drive
Suite 300
Santa Ana, CA

2. Primary Contact Information

Contact: Tom Herbel, PE, QSD
Title: Project Manager
Phone: 714.481.8014
Email: tom.herbel@psomas.com
Address:
5 Hutton Centre Drive, Suite 300
Santa Ana, CA

3/4. Entity Information

Psomas is a California corporation, established in 1946. Documentation such as Articles of Incorporation and corporate resolutions granting signatory authority are available in the following pages.

- CA Secretary of State Entity Number: C0705477
- Federal Employer I.D. Number: 95-2863554

5. Financial Management System

The firm maintains a robust financial management and accounting system in full compliance with 48 CFR Part 16.301-3, 2 CFR Part 200, and 48 CFR Part 31, applying Generally Accepted Accounting Principles (GAAP). This system enables segregation and tracking of project costs, internal controls for audit compliance, and timely reporting in line with federal and state requirements.

6. Firm Locations and Contacts

Psomas operates offices throughout California (Auburn, Los Angeles, Pasadena, Riverside, Roseville, Sacramento, San Diego, Santa Ana, Santa Clarita, Santa Fe Springs, Walnut Creek), and is also established in Arizona, Utah, and Washington. Each office is equipped with appropriate technical and managerial contacts to support and deliver projects of any scale. Office contact information is available on the following page.

7. Ownership and Experience

Psomas is fully owned by its employee shareholders. With nearly 80 years in continuous operation and since 1999 under only the Psomas name, the firm delivers full-service consulting, including civil engineering, environmental planning and resource management, survey and geospatial services, and, construction and project management.

8/9. Years in Business providing Similar Services for Similar Projects

79 years

10. Comparable Contracts within the Last 5 Years

Comparable Contracts within the Last 5 Years
Please refer to the Appendix for a list of comparable contracts entered into during the last five years, completed or not.

11. Contract Failures/Refusals

Psomas has no failures or refusals to report.

12. Individuals/Firms who own an interest of 10% or greater in the proposing firm.

ESOP owns more than 10% but is not a person

13. Financial interests in other lines of business.

Psomas has no financial interests in other lines of business.

14. Litigation and Termination History

Psomas demonstrates transparency by disclosing all litigation or adverse judgments related to professional services within the past five years. There have been no contract terminations for cause in the last five years. Further information and supporting documentation can be promptly provided upon request to maintain full compliance and transparency.

15. Termination of Contract “For Cause” History.

Psomas has no termination of contract "for cause" history.

Office Locations

California

Auburn
11661 Blocker Drive
Suite 200
Auburn, CA 95603
530.885.7072

Los Angeles
865 S. Figueroa Street
Suite 3200
Los Angeles, CA 90017
213.223.1400

Pasadena
150 South Arroyo Parkway
Suite 102
Pasadena, CA 91105
626.351.2000

Riverside
1650 Spruce Street
Suite 400
Riverside, CA 92507
951.787.8421

Roseville
1410 Rocky Ridge Drive
Suite 300
Roseville, CA 95661
916.788.8122

Sacramento
3550 Watt Avenue
Suite 140
Sacramento, CA 95821
916.979.7640

San Diego
401 B St. Suite 1600
Wells Fargo Plaza
San Diego, CA 92101
619.961.2800

Santa Ana
5 Hutton Centre Drive
Suite 300
Santa Ana, CA 92707
714.751.7373

Santa Clarita
27200 Tourney Road
Suite 400
Santa Clarita, CA 91355
661.219.6000

Santa Fe Springs
10032 Pioneer Boulevard
Santa Fe Springs, CA 90670
909.993.5800

Walnut Creek
1660 Olympic Boulevard
Suite 300
Walnut Creek, CA 94596
925.933.2300

Professionals from our local Santa Ana office will be serving the City of Laguna Hills on this project.

Arizona

Tucson
1745 E. River Road
Suite 245
Tucson, AZ 85718
520.292.2300

Utah

Salt Lake City
11456 South Temple Drive
Suite 200
South Jordan, UT 84095
801.270.5777

Washington

Seattle
3131 Elliott Ave.
Suite 400
Seattle, WA 98121
206.286.1640

Tacoma
2502 Jefferson Ave.
Tacoma, WA 984021
253.627.0720

Wenatchee
23 S. Wenatchee Ave.Suite 223
Wenatchee, WA 98801
509.663.2711





Personnel Staffing Plan

The Psomas team is dedicated to providing quality professional services, underpinned by a personnel staffing plan structured to deliver the utmost competence and experience for the Paseo de Valencia and Cabot Road Active Transportation Project. We strive to present a team that meets and exceeds the City's expectations for this multi-phase undertaking.

The staffing plan for this project is meticulously developed to reflect the specific requirements of the RFP, focusing on a thoughtful allocation of resources. It details the precise roles and responsibilities of each team member, striving for a cohesive and efficient project execution. We prioritize completeness and clarity in our team composition, aiming to provide a clear description of how our collective skills will contribute to the project's success.



Tom Herbel, Psomas' Project Manager



Arief Naftali, Psomas' Principal-in-Charge

Project Leadership and Client Liaison

We recognize the critical importance of having skilled professionals in key roles. Our team includes Tom Herbel, PE, QSD as Project Manager and Management Contact (representative authorized to sign an agreement and act as the primary point of contact) and Arief Naftali PE, TE, EE, RSP1, ENV SP, as Principal-in-Charge, each of whom bring substantial experience to their respective positions. Their professional credentials and track records demonstrate their ability to manage and execute the complex tasks involved in the Project Approval and Environmental Documentation (PAED) and Plans, Specifications, & Estimate (PS&E) phases. Our firm understands and accepts the restriction on changing the Management Contact, staff, and specialists without prior written permission from the City, underscoring our commitment to team stability throughout the agreement's term. In the event of unforeseen circumstances requiring personnel changes, a clear transition plan will be presented to minimize any disruption to the project schedule or quality of work.

Our Trusted Advisors

To meet the diverse technical and community-focused requirements of the Paseo de Valencia and Cabot Road Active Transportation Project, our team includes a group of subconsultants selected for their specialized capabilities and familiarity with the project's scope. These firms—Alta, CirclePoint, and GMU—bring targeted experience in transportation planning, community outreach, traffic engineering, geotechnical analysis, landscape architecture, and multimodal design. Each subconsultant contributes to a collaborative delivery model that supports the City's goals for corridor modernization, regulatory compliance, and stakeholder engagement, while maintaining continuity across all phases of design and implementation.

The Psomas Staffing Approach

Our approach to staffing reflects our firm's dedication to assembling a skilled and cohesive team capable of addressing all facets of the Paseo de Valencia and Cabot Road Active Transportation Project. We are confident that our proposed personnel possess the necessary experience, technical ability, and collaborative spirit to deliver quality outcomes for the City of Laguna Hills. **Our commitment to transparent reporting and consistent communication further supports our ability to manage this project to a successful conclusion.** We continually strive to adapt and refine our staffing strategies to meet the evolving needs of complex projects like this one, always with an eye toward improving project delivery and client satisfaction.

Our team's collective experience spans a broad spectrum of civil engineering and transportation planning, providing a robust foundation for this multi-phase project. Our Principal-in-Charge and Project Manager, with their extensive backgrounds in working for and with public agencies, will

provide consistent leadership from the initial PAED studies through the detailed PS&E development. **This continuity is crucial for maintaining project knowledge and momentum across phases.** We understand that the project's success hinges on adherence to Caltrans Highway Design Manual (HDM) standards, federal funding requirements, and local City codes.

Our personnel are not only experienced in these areas but also committed to continuous professional development, regularly updating their knowledge to reflect the latest industry practices and regulatory changes. This dedication confirms that our solutions are current, compliant, and forward-thinking.



Collaborative Approach

Collaboration is central to our approach. Tom Herbel, our designated Management Contact will, work in close partnership with the City's Project Manager, establishing clear communication protocols and regular progress meetings. This collaborative framework is designed to facilitate timely decision-making, address challenges proactively, and endeavor that the City is consistently informed of project status. We believe that open and frequent dialogue is essential for aligning our efforts with the City's vision and objectives.

Team of QA/QC Professionals

Our firm's quality assurance and quality control (QA/QC) processes are integral to our staffing plan. Each team member is trained in our rigorous QA/QC procedures, which are applied at every stage of the project, from data collection and preliminary design to environmental documentation and final plan preparation. This systematic approach, coupled with the experience of our personnel, helps to identify and mitigate potential risks, striving for quality deliverables that meet all project specifications and City standards.

We are particularly mindful of the community engagement aspect of this project, and our team includes individuals with proven experience in public outreach, capable of soliciting and integrating stakeholder feedback effectively into the design process. This comprehensive staffing strategy is designed to provide the City of Laguna Hills with a professional and reliable partner for this significant active transportation initiative.

Resumes

Comprehensive one-page resumes for all assigned staff members are provided in an appendix to our proposal.



Psomas' Santa Ana office on Hutton Centre where professionals dedicated to this project will serve the City

Project Team

Tom Herbel, PE, QSD will serve as the Project Manager and is dedicated to the successful delivery of the Paseo de Valencia and Cabot Road Active Transportation Project. As a public works leader, Tom upholds high standards of professionalism, project performance, and consistent collaboration with multidisciplinary teams. He brings an unwavering commitment to quality management and compliance, aligning project objectives with municipal and state requirements.

Tom directs all phases of project development, from early scoping to close-out. He leverages extensive industry knowledge in tasking and schedule management for multi-phase assignments, and excels at overseeing production, resource assignment, and communications. His leadership style prioritizes clear deliverables, diligent oversight, and a responsive approach to client and stakeholder needs. Having served as **Deputy Public Works Director/City Engineer at the City of Huntington Beach for 13 years**, Tom, along with our proposed team, will bring their experiences and knowledge facilitate successful delivery of the design of the Paseo de Valencia and Cabot Road Active Transportation Project.

Staff Introductions and Availability

The following pages include descriptions and availability of key staff who will aid in accomplishing the scope of work. One-page resumes are available in the appendix.



60% Availability

Tom Herbel, *PE, QSD*

PROJECT MANAGER

PSOMAS

Tom has 37 years of experience in public works and project management, including 13 years as the Deputy Director of Public Works and City Engineer for the City of Huntington Beach with a proven track record of directing, administering, and strategically planning large-scale capital improvement programs. While at the City of Huntington Beach, Tom was in charge of building over half a billion dollars in infrastructure. He excels in overseeing infrastructure projects involving street construction, sewer and drainage systems, water facilities, and public building rehabilitation. Thomas is highly skilled in coordinating civil engineering reviews, managing multidisciplinary teams, and ensuring compliance with regulatory standards. His expertise includes budget development, process optimization, and stakeholder negotiation, consistently delivering successful outcomes for complex municipal and public works initiatives.

Relevant Project Experience:

- Utica Bicycle Boulevard, Huntington Beach, CA
- Banning Avenue Mobility Enhancements, Huntington Beach, CA
- BluffTop Class IV Multi-Use Trail, Huntington Beach, CA
- Delaware Street Class IV Bike Lanes, Huntington Beach, CA



50% Availability

Arief Naftali, *PE, TE, EE, RSP1, ENV SP*

PRINCIPAL-IN-CHARGE

PSOMAS

Arief Naftali is a licensed civil, traffic, and electrical engineer in California with 25 years of hands-on professional experience in the design and management of various road, traffic, civil, site, highway, and engineering projects serving multiple local and regional agencies in Southern California, including Caltrans. Arief is adept in roadway infrastructure, site development, active transportation, traffic engineering, outdoor electrical, and transportation planning projects, delivering improvement needs to local and regional communities alike. His extensive experience in Complete Streets projects and alignment with the City of Pasadena's project requirements make Arief the most qualified candidate to lead the Columbia Street Multimodal Improvements Project. His proven abilities in project management, engineering design, and community engagement make him an ideal choice to fulfill the City's goal of developing a comprehensive, safe, and multi-modal transportation network for the City.

Relevant Project Experience:

- Cordova Street Complete Streets Project, Pasadena, CA
- Eastern Avenue Multi-Modal Transportation Improvement Project, Los Angeles, CA
- Hyperion Avenue and Glendale Boulevard Intersection Improvements (TOS 004E), Los Angeles, CA
- Madison Avenue Safety Improvements, El Cajon, CA



55% Availability

Alejandro Angel, *PhD, PE, PTOE, RSP2I*

QA/QC MANAGER

PSOMAS

Alejandro is the Director of Engineering for Psomas, holds a PhD degree in traffic engineering from the University of Arizona, and is a Registered Professional Engineer in Arizona, California, New Mexico, and Utah. Alejandro is a certified Professional Traffic Operations Engineer (PTOE) and one of the few consultants nationwide to be certified as a Level 2 Road Safety Professional (RSP2i). Alejandro's experience includes numerous traffic engineering studies for public and private projects, safety evaluations, the development of engineering standards and policies, and the planning and design of roadway and active transportation projects, roundabouts, traffic signal systems, and Intelligent Transportation Systems. Alejandro and his team have completed projects in Arizona, Utah, California, Washington, the

Middle East, and South America; and his research has been presented by ASCE, ITE, TRB, and IEEE.

Relevant Project Experience:

- Cordova Street Complete Streets Project, Pasadena, CA
- Eastern Avenue Multi-Modal Transportation Improvement Project, Los Angeles, CA
- Hyperion Avenue and Glendale Boulevard Intersection Improvements (TOS 004E), Los Angeles, CA
- Madison Avenue Safety Improvements, El Cajon, CA



65% Availability

Brandon Pence, *PE, ENV SP*

TASK 1 ENGINEERING LEAD

PSOMAS

Brandon Pence has eight years of civil engineering experience designing transportation and multi-modal improvement projects in Southern California. Brandon has experience with a variety of transportation elements such as signal design, signing and striping, signal modification, traffic control, bicycle and pedestrian facilities, and other street improvement components. Brandon is proficient in AutoCAD, Civil 3D, and MicroStation. Brandon is also well-versed in a multitude of local design standards and guidelines.

Relevant Project Experience:

- Cordova Street Complete Streets Project, Pasadena, CA
- Eastern Avenue Multi-Modal Transportation Improvement Project, Los Angeles, CA
- Hyperion Avenue and Glendale Boulevard Intersection Improvements (TOS 004E), Los Angeles, CA
- Madison Avenue Safety Improvements, El Cajon, CA



65% Availability

Tom Krizenesky, *PE*

TASK 2 ENGINEERING LEAD

PSOMAS

Tom Krizenesky brings over 28 years of robust experience in civil engineering, with a specialized focus on street and highway design and construction. His expertise spans the full lifecycle of transportation projects—from scoping and bwudgeting to design, construction, and post-construction evaluation. He has successfully designed and developed scopes, schedules, budgets for approximately 40 highway projects annually. His approach integrates life-cycle cost analysis, multimodal improvements, and long-range corridor planning, demonstrating a strategic mindset and commitment to sustainable and cost-effective solutions.

Relevant Project Experience:

- Crown Valley Parkway Westbound Widening (Amendment 5), Laguna Niguel, CA
- Orangewood Complete Streets, Stanton, CA
- PN 906 Avenue T Street Improvement Project, Palmdale, CA
- West Santa Ana Branch Bikeway Phase 2, Paramount, CA



65% Availability

Tim Hayes, *PE, QSD*

FEDERAL FUNDING SUPPORT (NEPA/E-76)

PSOMAS

Tim Hayes has 32 years of experience and is adept at problem-solving and building consensus as a Project Manager of time-sensitive projects. His experience includes the planning and design of infrastructure and transportation improvements, including work on numerous planning strategies; preliminary design reports; project reports; project study reports; and final plans, specifications, and estimates (PS&Es) for various agencies and municipalities throughout California.

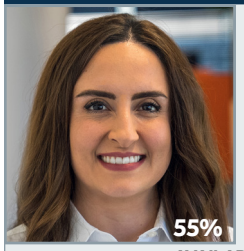
Relevant Project Experience:

- Cordova Street Complete Streets Project, Pasadena, CA
- Eastern Avenue Multi-Modal Transportation Improvement Project, Los Angeles, CA
- Hyperion Avenue and Glendale Boulevard Intersection Improvements (TOS 004E), Los Angeles, CA
- Eastern Avenue Multi-Modal Transportation Improvement Project, Los Angeles, CA
- Madison Avenue Safety Improvements, El Cajon, CA

Additional Staff Bios

Descriptions of other professionals, as well as those of our subconsultants, are provided on the next few pages.

Meet Our Project Team Staff

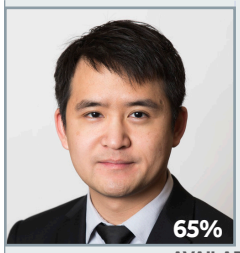


AVAILABILITY

Shayesteh Vafai, EIT, ENV SP | TASK 1, PAED PHASE: CONCEPT/PRELIMINARY ENGINEERING DOCS - *Psomas*

Shayesteh Vafai is a civil transportation engineer with 14 years of experience in design, development, and task management of transportation projects. As a relationship builder, she excels at collaborating with clients, contractors, and government agencies to meet or exceed design, quality, timeline, and budget expectations.

With Psomas for 4 years; with other firms for 10 years

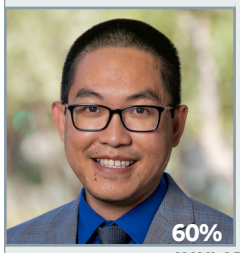


AVAILABILITY

Tim Chan, PE | TRAFFIC ENGINEERING AND ITS - *Psomas*

Tim Chan is a registered civil engineer with 13 years of experience specializing in transportation planning and traffic engineering design. He manages planning and design tasks, developing complex staging, traffic control, and traffic signal plans while coordinating with multiple parties. He has extensive knowledge of design guidelines established by the California Manual on Uniform Traffic Control Devices (CA MUTCD), Caltrans, and local jurisdictions.

With Psomas for 1 year; with other firms for 12 years

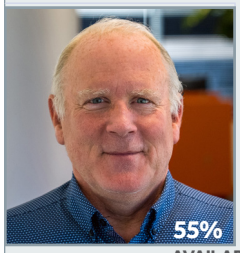


AVAILABILITY

Nam Nguyen, EIT, ENV SP | TRAFFIC ENGINEERING AND ITS - *Psomas*

With more than 11 years of experience, Nam has been responsible for various design and drafting assignments focusing on public works and transportation projects. Having successfully developed many traffic engineering construction documents, he is well-versed in the guidelines and standards that govern the making of geometric/signing, striping, traffic control, signal modification, and street improvement plans.

With Psomas for 11 years

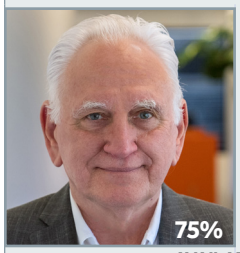


AVAILABILITY

Steve Price, PLS | TOPOGRAPHIC SURVEY - *Psomas*

Steve Price has 34 years of experience in providing surveying and mapping services for public agencies. He has been responsible for generating boundary, ALTA, topographical, and construction surveys; scheduling field crews; and preparing work proposals and estimates, property calculations, legal descriptions, Records of Survey, and plats.

With Psomas for 10 years; with other firms for 24 years



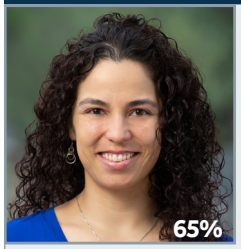
AVAILABILITY

Robert Salit, PLS | RIGHT-OF-WAY - *Psomas*

Robert Salit has 46 years of professional land surveying experience, specializing in boundary determinations, deed analysis, topographic surveying, ALTA surveys, subdivision mapping, and Record of Surveys. As a Senior Project Surveyor with Psomas, Robert is responsible for planning and coordinating ALTA, design, and as-built, architectural, utility, topographic, and right-of-way surveys.

With Psomas for 17 years; with other firms for 29 years

Meet Our Project Team Staff

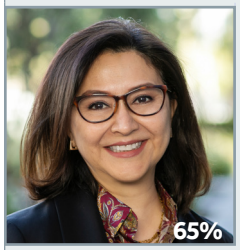


AVAILABILITY

Darlene Yellowhair, PE, TE, PTOE, RSP2I, ENV SP | SAFETY ANALYSIS - *Psomas*

Darlene has extensive experience with a variety of traffic engineering projects, including traffic impact studies, traffic reports, safety studies, signal warrant studies, corridor studies, signal timing and coordination, signing and striping design, and traffic signal design. Darlene is well-versed in Synchro, SimTraffic, HCS, SIDRA, and InRoads.

With Psomas for 20 years

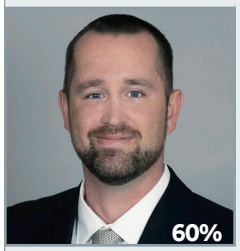


AVAILABILITY

Alia Hokuki, AICP | ENVIRONMENTAL - *Psomas*

Alia brings over 30 years of experience in the environmental and policy planning field with a focus on environmental impact assessments for public and private sector clients. Alia's capabilities include the preparation and management of environmental compliance documents pursuant to the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA).

With Psomas for 10 years; with other firms for 20 years

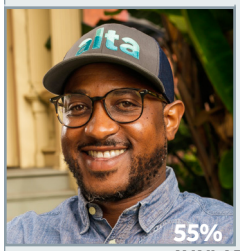


AVAILABILITY

Sean Noonan | ENVIRONMENTAL - *Psomas*

Sean Noonan is an Environmental Planner and Project Manager with 15 years of experience preparing environmental documents pursuant to the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA). Sean is also experienced in coordinating with regulatory agencies to obtain regulatory permits.

with Psomas for 7 years; with other firms for 8 years



AVAILABILITY

Vincent Hellens, ENV SP, QSD/P | TRAFFIC ENGINEERING - *Alta*

Vincent has extensive experience with a variety of traffic engineering projects, including traffic impact studies, traffic reports, safety studies, signal warrant studies, corridor studies, signal timing and coordination, signing and striping design, and traffic signal design. Vincent is well-versed in Synchro, SimTraffic, HCS, SIDRA, and InRoads.

With Alta for 10 years; with other firms for 20 years



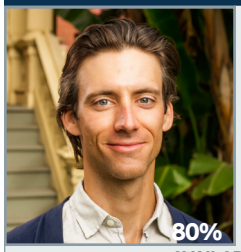
AVAILABILITY

Sasha Fox, PE | TRAFFIC ENGINEERING - *Alta*

Sasha is a licensed Civil Engineer in California with a decade of experience in transportation projects. She has successfully delivered projects in roadway rehabilitation and improvements, pedestrian accessibility (ADA) improvements, new and improved transportation hubs, railroad crossings, and Complete Streets design.

With Alta for 1 year; with other firms for 10 years

Meet Our Project Team Staff



AVAILABILITY

Ryan Booth, PLA | LANDSCAPE DESIGN - *Alta*

Ryan draws on 16 years of multidisciplinary consulting practice to plan, design and build active transportation facilities that move people. He excels at developing innovative design strategies, handling project details, and leading teams. Ryan's well-rounded understanding of transportation, landscape architecture, and placemaking brings a multi-benefit lens to his project work.

With Alta for 8 years; with other firms for 8 years



AVAILABILITY

Susan Harden, FAICP, CNU-A | COMMUNITY OUTREACH - *Circlepoint*

Susan J. Harden, FAICP, CNU-A, LEED AP, has a broad background in community development, engagement, and planning. For close to thirty years, she has built her career around community-based planning and visioning, striving to create a network of healthier, more livable communities. She has provided community engagement and planning services to public and private sector clients across the country.

With Circlepoint for 5 years; with other firms for 24 years

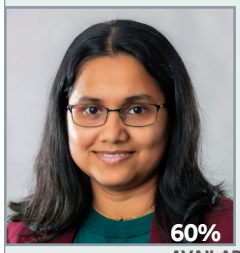


AVAILABILITY

Roger Schlierkamp, MSc, PE | PAVEMENT ENGINEERING - *GMU*

Roger possesses over 15 years of experience in pavement engineering and leads GMU's comprehensive range of pavement engineering services, including pavement evaluations/designs, PS&E development, construction management, observation and testing, mix design development, and pavement management planning.

With GMU for 12 years; with other firms for 3 years



AVAILABILITY

Amina Mannan, PhD, PE | PAVEMENT ENGINEERING - *GMU*

Amina is a highly experienced senior pavement and geotechnical engineer with 15 years of experience in pavement engineering and 5 years of experience in geotechnical engineering projects. Her expertise includes pavement condition assessment, material testing, pavement evaluation/ design, pavement condition index, specification development, and mix design development projects.

With GMU for 2 years; with other firms for 13 years



AVAILABILITY

Michel El Sebaaly, MSc, EIT | PAVEMENT ENGINEERING - *GMU*

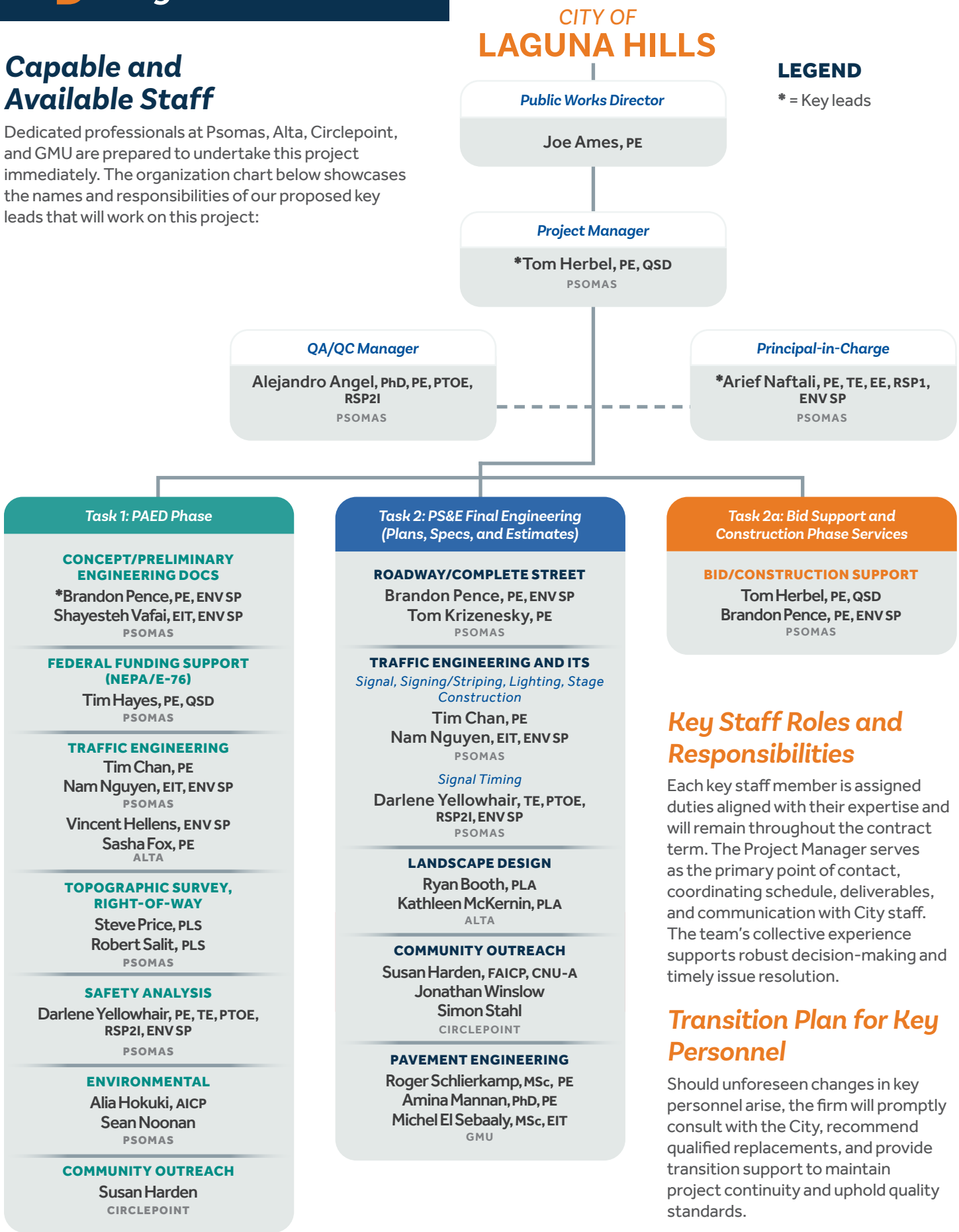
Michel has been involved in a wide variety of projects that are related to pavement designs, laboratory testing, data analysis, pavement rehabilitation and preservation. Michel's his current work includes supporting a wide-range of pavement construction projects for multiple cities and private communities, and pavement engineering projects, including pavement evaluations, pavement field explorations, proposals and cost estimates preparation, and network-level pavement management plans.

With GMU for 4 years

D Organizational Chart

Capable and Available Staff

Dedicated professionals at Psomas, Alta, Circlepoint, and GMU are prepared to undertake this project immediately. The organization chart below showcases the names and responsibilities of our proposed key leads that will work on this project:



Key Staff Roles and Responsibilities

Each key staff member is assigned duties aligned with their expertise and will remain throughout the contract term. The Project Manager serves as the primary point of contact, coordinating schedule, deliverables, and communication with City staff. The team's collective experience supports robust decision-making and timely issue resolution.

Transition Plan for Key Personnel

Should unforeseen changes in key personnel arise, the firm will promptly consult with the City, recommend qualified replacements, and provide transition support to maintain project continuity and uphold quality standards.

Demonstrating Varied Experience and Unique Value for Laguna Hills

Tom's Varied Experience Across Public and Private Sectors

With over 35 years of progressively responsible leadership in civil engineering, Tom brings a rare blend of expertise from both private engineering firms and public agency service. His career began in the private sector, where he held senior management roles at respected firms such as URS Corporation and Psomas. There, he led multidisciplinary teams, managed complex municipal projects, and developed best-in-class standards for quality assurance and project delivery. His work spanned street rehabilitation, water and sewer facilities, storm drain systems, and traffic engineering—serving cities and agencies throughout Southern California.

Transitioning to public service, he has spent the last 13 years as Deputy Director of Public Works/City Engineer for the City of Huntington Beach. In this role, he has directed, managed, and strategically planned the City's Capital Improvement Program (CIP), overseeing the design and construction of critical infrastructure: streets, water, sewer, and storm drain pump stations, potable water systems, public buildings, and more. His responsibilities included coordinating private development review, entitlement processes, and construction administration for all client departments.

- **Proven Delivery:** Over $500 Million in CIP Infrastructure

Tom's tenure at Huntington Beach is marked by the successful delivery of over half a billion dollars in CIP infrastructure. This includes major street construction and rehabilitation, flood control, water production and distribution, and public facility upgrades. Tom has personally managed or designed over 40 public works projects, consistently delivering on time and within budget. His refined negotiation skills and consensus-building approach have enabled him to reach agreements among diverse stakeholders, including Federal, State, and local agencies.

WHY THIS MATTERS FOR LAGUNA HILLS

The City of Laguna Hills is seeking a consultant who not only understands the technical requirements of the Paseo de Valencia and Cabot Road Active Transportation Project, but who also brings the strategic vision and operational experience to deliver federally funded, multi-phase infrastructure projects. Tom's background aligns perfectly with these needs:

- **Federal and State Compliance:** Extensive experience managing projects funded by CMAQ, STBG, and other federal sources, ensuring strict adherence to Caltrans LAPM, NEPA, CEQA, and local requirements.
- **Project Management Excellence:** Demonstrated ability to lead large teams, manage complex schedules, and maintain robust project controls and financial management systems.
- **Community Engagement:** Proven track record in public outreach, stakeholder engagement, and consensus-building—essential for projects requiring broad community support and input.
- **Technical Mastery:** Deep knowledge of city challenges, environmental compliance, utility coordination, and sustainable design, as evidenced by my leadership on the APWA National Center for Sustainability Committee.

"Knowing Your Business"—Immediate Value for Laguna Hills

Tom understands the business of municipal public works from every angle—having worked as both a consultant and a City Engineer. He knows what it takes to move projects from concept to completion, navigating regulatory hurdles, public concerns, and technical complexities. Tom's experience with Huntington Beach's CIP program is directly relevant to Laguna Hills' goals for mobility, safety, and sustainable infrastructure. Tom is ready to deliver the same level of excellence and innovation for Laguna Hills, leveraging my proven methods and relationships to maximize grant funding, accelerate project delivery, and ensure long-term community benefit.

With over 35 years of leadership in civil engineering across both private firms and public agencies, Tom offers a unique blend of technical expertise and strategic vision. His experience spans senior management roles at URS Corporation and Psomas, where he delivered complex municipal projects, and 13 years as Deputy Director of Public Works/City Engineer for Huntington Beach, overseeing more than $500 million in Capital Improvement Program infrastructure. Tom brings proven success in managing federally funded, multi-phase projects with strict compliance to Caltrans LAPM, NEPA, and CEQA, while leading large teams, engaging communities, and building consensus among diverse stakeholders. This depth of experience—combined with his mastery of city challenges, sustainability practices, and grant optimization—positions Tom to deliver the Paseo de Valencia and Cabot Road Active Transportation Project with excellence, efficiency, and long-term community benefit.

Transportation and Traffic Engineering Strengths

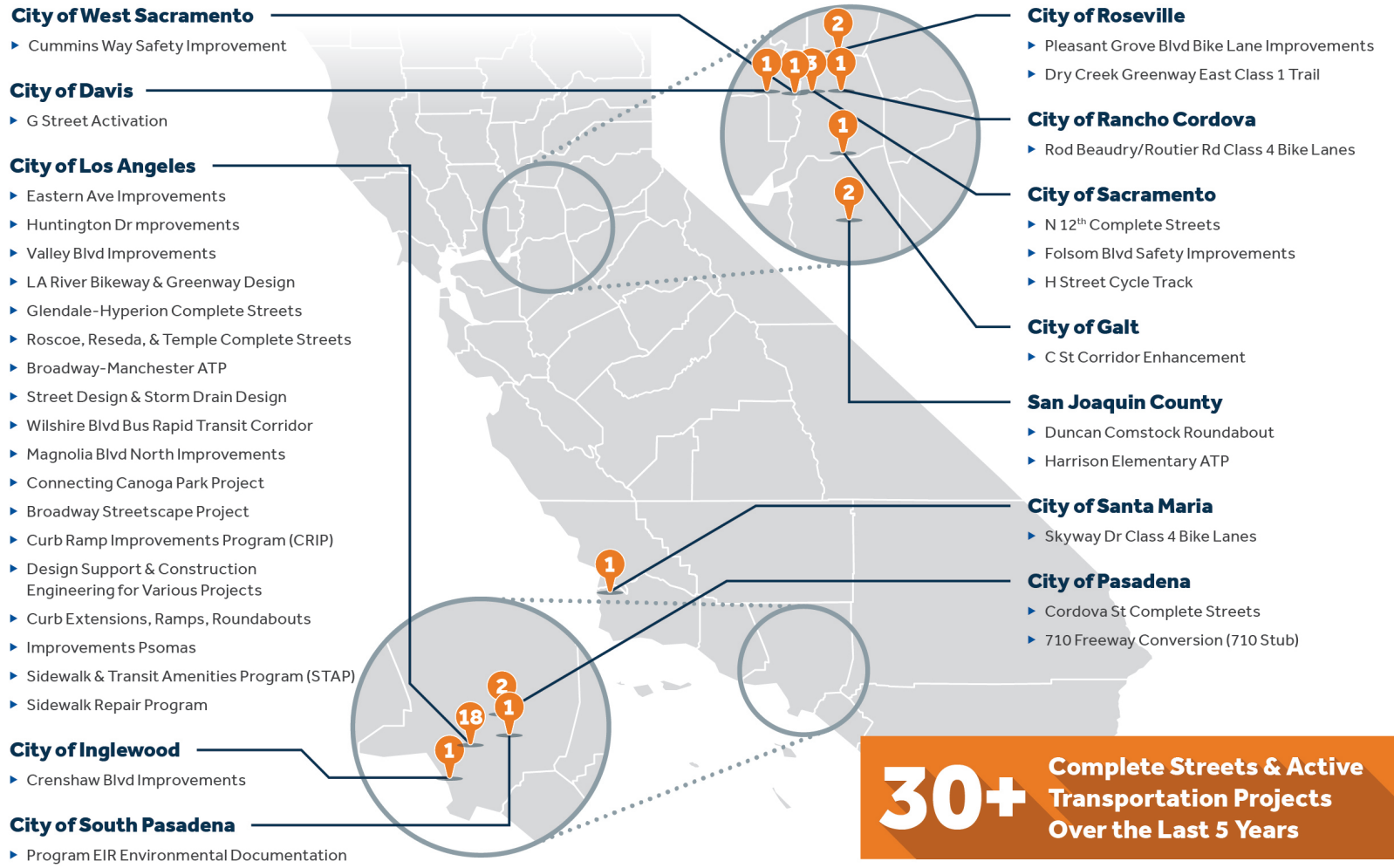
Psomas has a long-standing history of delivering transportation solutions that support mobility, safety, and community connectivity. Over the past decade, the firm has provided engineering, surveying, planning, environmental, construction , and program management services for State, Federal, and locally funded bridge, roadway, and highway projects.

Repeat clients include the City of Laguna Beach, City of Huntington Beach, City of Irvine, Los Angeles Bureau of Engineering (BOE), City of Pasadena, City of Inglewood, Caltrans, and the Ports of Long Beach and Los Angeles. Primary services for transportation-related projects include:

- Roadway and Highway Planning and Engineering Design
- Program Management Services
- Active Transportation Planning and Engineering
- Environmental Planning and Documentation
- Design Surveys and Right-of-Way Engineering and Mapping
- Construction Observation and Contract Administration
- Constructability Reviews
- Structures and Bridge Engineering

Over the past five years, Psomas has completed more than 30 Complete Streets and Active Transportation projects similar to the Paseo de Valencia and Cabot Road Active Transportation Project. Those projects are located throughout California with many completed in Southern California, illustrated on the following page.

Psomas' Recent Complete Streets and Active Transportation Projects



Public Agency References

Psomas brings over three decades of proven experience in delivering comprehensive multi-disciplined services to public agencies throughout California. Our extensive portfolio showcases our relevant project experience and provides references that highlight our capabilities in Project Approval and Environmental Documentation (PAED) development, public outreach programs, and preliminary engineering design work.

Our track record speaks to our ability to navigate complex regulatory environments while maintaining strong relationships with stakeholders at all levels. From complete streets improvements and active transportation projects to environmental compliance and infrastructure development, Psomas has consistently delivered projects that meet technical requirements, budget constraints, and schedule commitments.

The projects presented on the following pages represent our most relevant experience over the past five years, demonstrating our proficiency in managing multifaceted transportation and infrastructure projects similar in scope and complexity to the Paseo de Valencia and Cabot Road Active Transportation Project.

Our approach to project delivery emphasizes collaboration and transparency. We work closely with our clients to understand their unique challenges and objectives, developing tailored solutions that address both immediate needs and long-term goals. Our experienced project managers endeavor to maintain open lines of communication throughout the project lifecycle, providing regular updates and proactively addressing potential issues before they impact project schedules or budgets.

Eastern Avenue Multi-Modal Transportation Improvement Project – Psomas

Los Angeles, CA | City of Los Angeles



Relevance to Project

- **Multimodal improvements**
- **Complete Street safety improvements**
- **Sidewalk, ADA, and bicycle improvements**
- **Public engagement**
- **Constrained right-of-way**

The Eastern Avenue Multi-Modal Transportation Improvement Project is a 1.5-mile Complete Streets corridor located east of downtown Los Angeles. The project will provide street and infrastructure improvements to increase safety and mobility, pedestrian and bike facilities, transit accessibility improvements, and other traffic safety enhancements. The project is also intended to increase transit services, connectivity to significant destinations, transit ridership, and improve access to employment centers, educational facilities, health care facilities, parks and recreational centers. **Coordination with the neighborhood community and understanding their wants and needs** is a critical component of the project. Additionally, identification, consideration, and application of future transportation technologies is a City directive for the project.

Technologies considered and benefits to the corridor include: interconnected traffic signals with ATSAC system to allow for optimization of traffic flows by LADOT. As more vehicles become autonomous, the system can be modified and evolve with the technology; modernization of traffic signal equipment including intelligent controllers, power over ethernet (POE) network switches for video recognition of bikes and peds, and upgrades to the poles to allow for additional technology to be added, such as Metro's NextGen radio service for buses. These upgrades will prepare the corridor for the future and will increase bike and ped safety; micro-trenching for broadband service so transit shelters can be fed with internet service. This service will inform users of expected arrival times, and allow for digital advertisement panels which are just starting to be rolled out by StreetsLA and Metro; space planning for potential use of micro mobility

CLIENT CONTACT

Kevin Avila
City of Los Angeles
213.485.1169
kevin.avila@lacity.org

PSOMAS SERVICE DATES

February 2021 - September 2025
(Complete Design)

Eastern Avenue Multi-Modal Transportation Improvement Project – Psomas *(Cont.)*

Los Angeles, CA | City of Los Angeles

services such as electric scooters and bicycles. These first mile/last mile solutions will help improve regional and local connectivity with the improved transit systems along redeveloped Huntington Drive and Valley Boulevard corridors; as project lead, Psomas proposed these innovations to the City of Los Angeles Bureau of Engineering, and met with multiple technical stakeholders including Metro, 710 North Mobility Hubs Plan - Steering Committee, LADOT Complete Streets Committee, LADWP, and StreetsLA. Extensive community engagement with local schools, senior center, historical society, and community groups led to consensus on a 4-3 roadway conversion to improve neighborhood safety and implement community amenities. The preliminary engineering phase, including two community meetings, was delivered in 12 months, followed by an approximate 9-month environmental approval phase. Psomas provided project management, surveying, civil engineering, and environmental services.

Cordova Street Complete Streets Project – Psomas

Pasadena, CA | City of Pasadena



Relevance to Project

- **Multimodal improvements**
- **Focus on transit stations**
- **Complete Street safety improvements**
- **Sidewalk and ADA improvements**
- **Public engagement**
- **Constrained right-of-way**

The City of Pasadena led the way in developing balanced policies involving the mobility choices of all. The City retained Psomas to develop preliminary engineering design alternatives to provide recommendations for the project scope, followed by final construction PS&E for the Cordova Street Complete Streets Project. The project improved safety along Cordova Street with Class II buffered bike lanes, bicycle detection, street resurfacing, pedestrian ADA accessibility upgrades, and water quality improvements. This project created a Complete Streets environment and promotes a livable community where people can circulate without cars. Cordova Street between Hill Avenue and Marengo Avenue was reconfigured from two lanes in each direction to one lane in each direction, adding five-foot bicycle lanes adjacent to an eight-foot parking lane (where practical). In addition, Psomas supported the City's community outreach efforts as they continue to gather input from the businesses and residents along Cordova Street. Traffic engineering and ITS works were also essential elements with fiber optic interconnect and signal modifications involved.

CLIENT CONTACT

Richard K. Yee
City of Pasadena
626.744.4643
ryee@cityofpasadena.net

PSOMAS SERVICE DATES

August 2018 - August 2023

Hyperion Avenue and Glendale Boulevard Intersection Improvements – Psomas

Los Angeles, CA | City of Los Angeles

Relevance to Project

- Multi-Modal, Lane Reconfiguration, Intersection Improvements
- CEQA Categorical Exemption (CE)
- Multi-Disciplinary Design Services; Civil (with Raised Median), Drainage, Traffic Engineering, Lighting, Landscape Architecture
- Public outreach/ engagement



Funded by LA Metro's Call for Projects, intersection and corridor improvements are located at four intersections encompassing an area that is located between Atwater Village in the northeast side and Silverlake neighborhood in the southwest side, connected by the Glendale-Hyperion Complex of Bridges. They are Glendale Boulevard/ Glenfeliz-Glenhurst, Hyperion Avenue/Rowena, and Glendale Boulevard/ Riverside to Rowena, and Glendale Boulevard at Lane Reconfiguration from Riverside Drive to Rowena Avenue.

The scope of services involved widening of the sidewalk along Glendale Boulevard to provide room for **Class II buffered bike lanes; a new staggered crosswalk across a median to** facilitate safe pedestrian passage; a series of ramps and stairs that provide access to the north side of the LA River from southbound Glendale Boulevard; traffic signal improvements; pedestrian hybrid beacon; and improving the drainage system and infiltration basins.

Psomas prepared the Initial Study based on the CEQA Environmental Checklist Form and developed the pre-design report which included sustainable design elements. Psomas finalized design plans, specifications, and estimates for the intersection improvements.



PROJECT MANAGER

Andrew Asfour
City of Los Angeles
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andrew.asfour@lacity.org

PSOMAS SERVICE DATES

July 2019 - May 2025

Crenshaw Boulevard Transportation Improvement Project – Psomas

Inglewood, CA | City of Inglewood



Relevance to Project

- Safety and Traffic Calming Improvements
- Traffic Engineering and ITS
- Interdisciplinary Technical Disciplines Required

The approximately 2.95 miles long Inglewood Crenshaw Boulevard Transportation Improvement Project provides infrastructure improvements, including street improvements to increase **safety and mobility and pedestrian improvements, transit accessibility improvements**, traffic signal modifications, upgrades, streetscape improvements and landscaping, and other traffic safety enhancements. The project intends to increase connectivity to significant destinations and transit ridership; and improve access to employment centers, educational facilities, healthcare facilities, parks, and recreational centers. Scope of work includes: implementing intersection improvements (e.g., curb extensions, ADA curb ramps, new pedestrian lighting), install bus shelters and signage, plant new trees, and provide maintenance of existing infrastructure (e.g., repair sidewalks, repave/repair roadways, and construct new medians).

Curb extensions involved the reconstruction of many curb ramps, realignment and refresh of various crosswalks. Notable traffic/electrical engineering and intelligent transportation system (ITS) elements included the modification of 13 existing signal systems throughout the corridor, fiber optic interconnect design and installation as well as up-lights design for the many new palm trees that are 17 to 26-foot high, expected to line the median. Pavement reconstruction and rehabilitation is also a major component with grind, overlay, and resurfacing of existing PCC with asphalt pavement overlay, across the roadbed.

The project will comply with all applicable design requirements, which would verify compatibility with the existing setting. Psomas' Certified Arborist assessed the condition of all trees in the public right-of-way and prepared an inventory report detailing the condition. To facilitate construction, the project corridor was divided into two (2) separate phases, with first phase containing Caltrans' Encroachment permit so that it can be prioritized, and the second extending the last two (2) miles of the corridor.

PROJECT AWARDS

ASCE Region 9 Outstanding Bikeways & Trails Project - 2025
ASCE Region 9

CLIENT CONTACT

Hung Nguyen
City of Inglewood
714.468.7319
hnguyen@cityofinglewood.org

PSOMAS SERVICE DATES

May 2022 – Dec. 2024

Project Understanding and Overview

The Paseo de Valencia and Cabot Road Active Transportation Project is a transformative initiative designed to enhance safety, mobility, and connectivity for everyone—pedestrians, cyclists, and motorists—along two key corridors in Laguna Hills.

Key Project Components

- **Paseo de Valencia (Laguna Hills Drive to Alicia Parkway):** Upgrade a 1,500-foot segment of the existing off-street trail to meet Caltrans standards, integrating with the Aliso Creek Bikeway Trail.
- **Paseo de Valencia (Alicia Parkway to Cabot Road):** Develop a new Class IV bike facility, pedestrian enhancements, improved traffic circulation, and new landscaped medians and parkways along a 1.5-mile stretch.
- **Cabot Road (Paseo de Valencia to El Paseo):** Enhance a 2,800-foot segment with similar improvements, connecting to the Mission Viejo Quad Cities Trail Project.

This initiative exemplifies a Complete Streets and mobility project, transforming major corridors into vibrant, safe, and accessible routes for all users. Psomas is excited to build upon previous efforts, especially Alternative 3, and will develop two new alternatives that reflect public input and the City's vision.

Complete Streets & Mobility Vision

The project embraces the principles of Active Transportation, aiming to create corridors that serve people of all ages and abilities, regardless of travel mode.

KEY ELEMENTS:

- **Class IV Separated Bikeways:** Comfortable, protected bike lanes connecting neighborhoods, schools, parks, and shopping centers.
- **Pedestrian Safety Enhancements:** Improved crossings, ADA-compliant sidewalks, and traffic calming measures to foster walkability and reduce conflicts.
- **Traffic Circulation Improvements:** Intersection and roadway modifications to balance mobility, maintain efficient vehicle flow, and enhance safety.
- **Aesthetic Enhancements:** Additional landscaped parkways and medians for a more attractive environment.

Psomas recognizes the importance of regional connectivity and will actively coordinate with adjacent initiatives, such as the Mission Viejo Quad Cities North-South Bike Trail, to create a seamless network for active transportation.

This supports healthier lifestyles and reduces reliance on single-occupancy vehicles.

Benefits of Complete Streets & Mobility Projects

Implementing Complete Streets delivers significant, lasting benefits:

- **Safety:** Reduces collisions and injuries for all users, especially children and seniors.
- **Accessibility:** Ensures equitable access to transportation options, supporting underserved and disadvantaged communities.
- **Health & Environment:** Encourages walking and cycling, improving public health and reducing greenhouse gas emissions.
- **Economic Vitality:** Enhances access to local businesses, increases property values, and supports economic development.
- **Community Cohesion:** Fosters a sense of place and pride by creating attractive, functional transportation systems.

Project Approach

Psomas brings a proven legacy of delivering innovative, high-impact infrastructure solutions to complex urban environments. For the Paseo de Valencia and Cabot Road improvements, our team leverages deep local expertise, rigorous site analysis, and a commitment to excellence that sets us apart in the industry. We approach this project with a strategic vision—prioritizing safety, accessibility, and constructability—while drawing on our successful track record with similar corridor enhancements.

Our methodology is informed by comprehensive reconnaissance and a thorough review of city planning documents, including the Mobility Element Update and previous public outreach efforts. By integrating community input and best practices, Psomas is prepared to deliver context-sensitive alternatives that address the unique challenges of this corridor and advance the City's goals for connectivity, sustainability, and quality of life.

With Psomas, the City of Laguna Hills gains a partner dedicated to proactive problem-solving, seamless multi-agency coordination, and meticulous attention to detail. We are ready to transform Paseo de Valencia and Cabot Road into a model of safe, efficient, and attractive urban mobility.

Leadership and Expertise

TOM HERBEL, PE, QSD - PROJECT MANAGER

As mentioned previously, Tom brings immediate value to Laguna Hills, understanding municipal public works from every angle. With experience as both a consultant and a Deputy Director/City Engineer, Tom excels at moving projects from concept to completion, navigating regulatory hurdles, public concerns, and technical complexities. His leadership on Huntington Beach's CIP program directly aligns with Laguna Hills' goals for mobility, safety, and sustainable infrastructure. Tom is ready to deliver excellence and innovation, leveraging proven methods and relationships to maximize grant funding, accelerate project delivery, and ensure long-term community benefit.

Next Steps

The Psomas team has thoroughly reviewed the RFP materials and conducted field visits to identify project opportunities and challenges. We are prepared to present practical and innovative solutions in the "Approach" and "Work Approach" sections, ensuring a successful outcome for Laguna Hills.

Psomas Approach

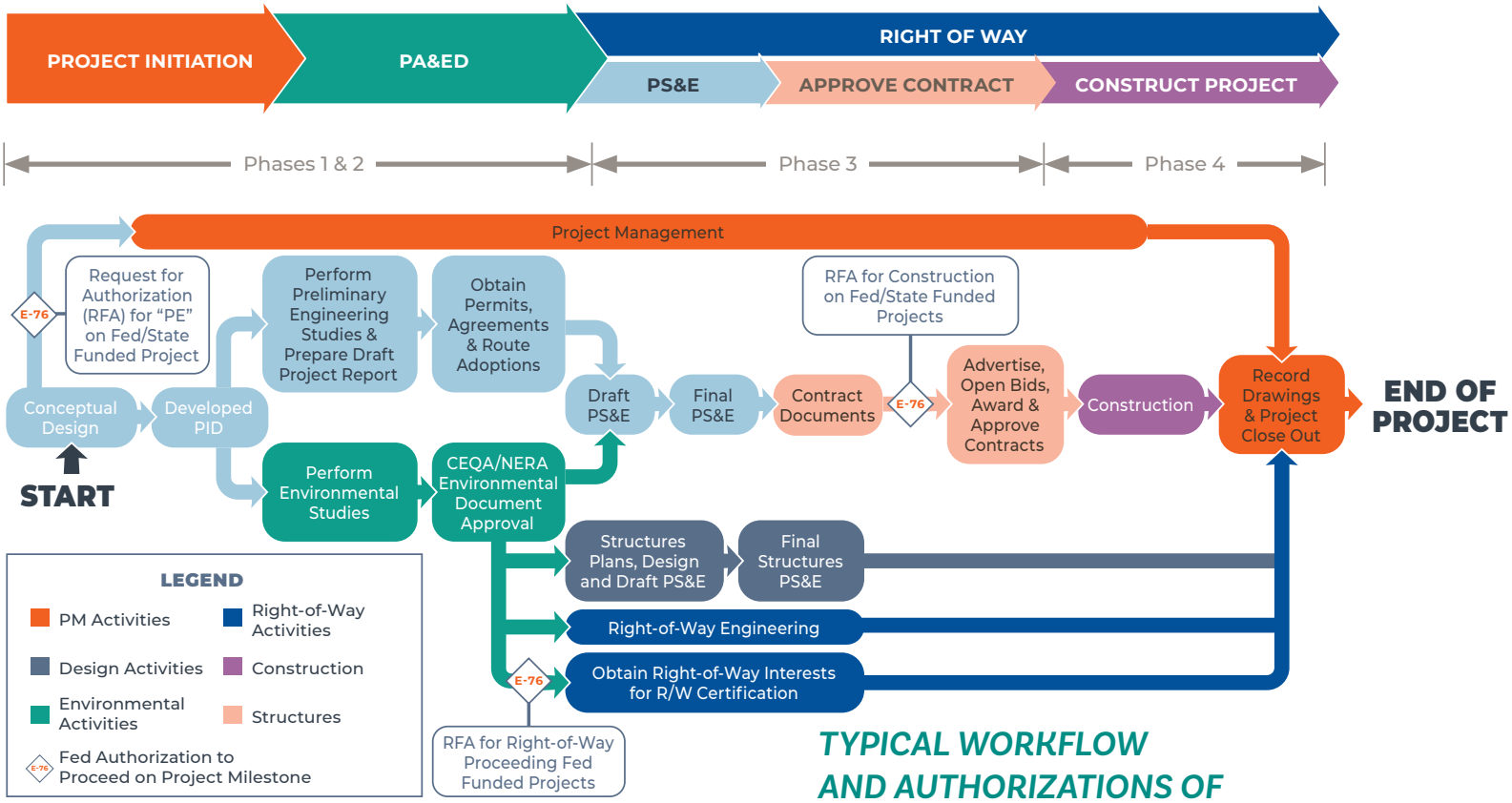
Psomas has conducted several site visits and a thorough review of existing conditions. Drawing on recent successes and deep experience, our approach centers on two essential criteria: **safe access connections and context-sensitive, constructible improvements. We have carefully examined the RFQ documents and the City's "Mobility Element Update," which includes valuable public input and previous alternatives—culminating in Alternative 3 as the preferred option. This foundation will guide our future Alternatives Analysis.**

Key Challenges, Considerations and Solutions or Approach

The table below and in the following pages outlines the primary challenges identified for this project, along with Psomas' proposed solutions and approaches. Each challenge has been carefully considered to ensure the project's success, with strategies designed to maximize safety, efficiency, and community benefit.

Challenges/Considerations	*Solution/Approach*
PROJECT SCHEDULE/ ENVIRONMENTAL CLEARENCE (NEPA/CEQA)	
For the PAED phase, obtaining Caltrans approval of the environmental document within 6 (six) months.	Based on our experience working with Caltrans District 12 recently on similar projects, and given that the project would not result in any obvious environmental impacts, we believe that six months will be more than sufficient to obtain a Categorical Exclusion approval for this project. Given the lack of environmental impacts, we do not believe that Caltrans will request any technical studies be prepared for the project following their review of the Preliminary Environmental Study (PES).
PROJECT BUDGET FOR PHASE 1	
Psomas recognizes the budget constraints for Task 1 which is $159,000 given the scope of work in the RFP.	Survey and geotechnical work needed for PA/ED can be deferred to Phase 2. Phase 1 will include aerial photography and ROW mapping only; all field survey and geotechnical studies shift to Phase 2. In addition, if selected Psomas is committed to working with the City on the Scope of Work and Fee to address the project budget.
ENHANCED PEDESTRIAN EXPERIENCE	
Creating a welcoming pedestrian environment along an arterial highway.	After reviewing community-driven exhibits, Psomas recommends swapping sidewalk and landscaping on the north side of Paseo de Valencia (Sections A A and C C) to create a landscaped buffer between vehicles and pedestrians.
Provide improvements to the existing street lighting infrastructure along the project area to improve pedestrian, vehicle, and bicycle visibility and safety.	A street light photometric assessment will be conducted to determine illumination and uniformity levels needed to meet local and national lighting standards.
MULTI-AGENCY COORDINATION	
Coordinating connections to existing and planned pedestrian/bicycle facilities.	Hold coordination meetings with agencies such as the City of Mission Viejo (Quad Cities bikeway) and the County of Orange to ensure unified multimodal connections.

Challenges/Considerations	Solution/Approach
FEDERAL AND STATE REGULATORY COMPLIANCE	
Hiring a consultant that knows "your business" and the Federal process	The Psomas team is experienced in following State and Federal guidelines which is key to remaining eligible for future funding programs and a successful project. The PS&E must follow Caltrans' standards and FHWA requirements to obtain the E-76 approvals as well as compliance with NEPA and Chapters 6 and 11 of the LAPM. Psomas will bring its expertise and proven track record, which is demonstrated in our relevant project experience, in compliance with State and Federal procedures. As shown below, Psomas knows this process and has executed it successfully many times on previous projects.



TYPICAL WORKFLOW AND AUTHORIZATIONS OF FEDERALLY-FUNDED PROJECTS

PUBLIC OUTREACH/ENGAGEMENT	
Ensuring that a broad and diverse cross-section of the community participates in the outreach process.	Our Team will develop a comprehensive outreach plan that identifies the best methods and timing to reach community members, leveraging tools that worked well in past efforts and identifying potential new ones, including email blasts, social media, flyers, project website, and communication toolkits.
Ensuring that the community clearly understands the alternatives and is meaningfully and fully engaged in selecting the final design.	Our Team will build upon prior engagement and use that feedback in this new round of engagement. We will use plain language and clear visuals so choices are clear and use interactive tools both in person and online to allow for ranking, evaluation, and prioritization.
ALTERNATIVES ANALYSIS - USER EXPERIENCE FOR ALL	
Designing safe transitions where facility types change especially at non-signalized intersections.	The Psomas team will develop two alternatives with a variety of practical and useful choices for a comfortable and low-stress biking and walking experience along Paseo de Valencia and Cabot Road accessible to people of all ages and abilities. As it relates to the areas and places the corridor should serve, the team will create project design principles that are in line with project objectives and identify the most beneficial outcomes. Our alternatives analysis will measure how well the corridor alternatives fulfill project goals and objectives.

Challenges/Considerations	Solution/Approach
	Psomas has included on our team Alta Planning, with whom Psomas has teamed before and they will augment Psomas' experience. Alta Team's experience includes leading LA Metro through alternatives analysis providing safe and efficient bike and pedestrian connections from the A Line (Blue) and the LA River. This work included identifying opportunities and constraints for selecting active transportation route options, coordinating with LA Metro and outreach partners, and evaluating alternatives to determine the locally preferred alternative.
QUALITY ASSURANCE & RISK MANAGEMENT	
Providing a thorough and well structured QA/QC process.	QA/QC Manager, Alejandro Angel, PE, will lead early planning and coordination, including internal kickoff meetings to clarify roles, responsibilities, and quality procedures. Psomas' process includes rigorous checking, reviewing, and independent quality reviews at multiple project stages.
BUDGET APPROPRIATION, MARKET-BASED COST OPINION, AND FUNDING ADMINISTRATION	
Accurate cost estimates are crucial for designing a project within already established funding limits.	Psomas will apply recent Complete Streets experience (e.g., Cordova Street) to develop realistic estimates. Key considerations include appropriate escalation to 2027, 20–25% contingency for concept-level unknowns, careful review of high-value items, and identification of potential subsurface conflicts such as underdrains or pull boxes affected by sidewalk reconstruction.
The following Key Challenges and other issues are summarized in the plan view exhibit following this table in addition to highlighting operational considerations.	
INTERSECTION TREATMENTS FOR CROSSINGS	
Paseo de Valencia currently functions as a multi-lane arterial with wide travel lanes (60–90 feet curb-to-curb) but minimal dedicated bicycle facilities. A challenge for the corridor is accommodating motorist turns at intersections, particularly where Class I/ IV protected bike lanes are proposed. Many existing Class II bike lanes terminate before intersections, forcing bicyclists to merge with turning vehicles. This is a common location for crashes. Intersections, combined with residential driveways, school access points, and relatively high vehicle speeds, represent the highest-risk points along the corridor. Maintaining continuous bikeway separation through intersections is critical to protecting bicyclists and pedestrians while minimizing motorist conflicts.	The proposed alternative design addresses these challenges by extending the existing curb into the street to create a raised Class I/ IV bikeway, reducing travel lanes and maintaining continuous separation between bicyclists and vehicles through intersections. Protected intersection treatments including corner refuge islands, dedicated bike crossing zones, and channelized turning movements can further minimize the bike/ ped and vehicular conflict points. Coordinated bike traffic signals, reconfiguration of right-turn lanes, and advanced warning signs can also enhance safety and reduce conflict points. High-visibility crosswalks, such as those Alta implemented on CVAG's CV Link project in the Coachella Valley, is a proven example where we improved pedestrian safety and awareness with wider crosswalks. Lessons from the CV Link project demonstrate how wider high-visibility crossings and multimodal accommodation including NEVs can enhance safety and usability for all users.
Drivers on minor street approaches along Paseo de Valencia currently experience limitations to sight distance due to the curvature of the roadway. This results in potential impacts to safety for roadway users, pedestrians, and cyclists.	The proposed project design will evaluate alternatives to install traffic control at existing unsignalized intersections along Paseo de Valencia in the form of traffic signalization or the implementation of all-way stop-control. Traffic signal warrants will be conducted to evaluate individual locations.
ATTENTION TO DETAIL AND CONTEXTUALIZED AESTHETICS	
The completion of this trail system also involves a review of the surrounding infrastructure which may need reconstruction or enhancement to make the project complete.	Psomas will conduct a detailed field review to identify necessary improvements while maintaining budget discipline. Items include repairing an eroding wall, reconstructing catch basins and drainage structures, reconnecting storm drain laterals and protecting existing perimeter walls and slopes.
LANDSCAPING	
Steep slopes behind the sidewalk complicate planting, irrigation, and maintenance.	Psomas recommends placing planting between the sidewalk and roadway to create a vegetated buffer that improves pedestrian comfort, provides shade, reduces heat, and allows integration of green infrastructure. This approach has been successful on projects such as the Merced Avenue Greenway and the Pershing Bikeway, where landscaped buffers and stormwater features were incorporated despite right-of-way constraints.

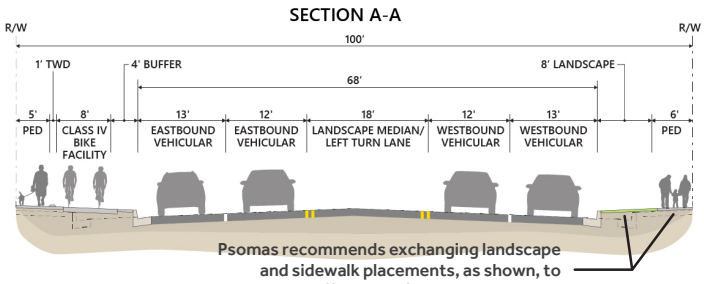
Select challenges-solutions, highlights and considerations described above are illustrated on figures over the next three (3) pages.

Paseo De Valencia Improvements Two-Way Class IV Bike Trail

IMPROVEMENT HIGHLIGHTS & CONSIDERATIONS



Intersection treatments for crossings



Psomas recommends exchanging landscape and sidewalk placements, as shown, to create a buffer space from vehicular lanes



Optimize left-turn queuing space via traffic analysis (TYP)

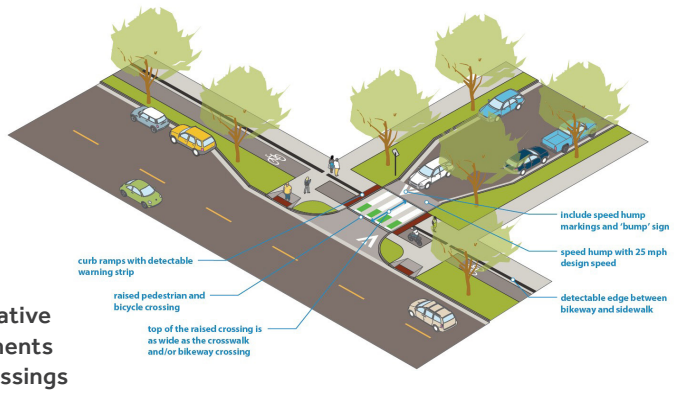
Add "Signal Ahead;" with warning beacon ahead of La Paz signalized intersection





This wall will need to be reviewed for stability and aesthetics

Alternative treatments for crossings



Paseo De Valencia Improvements Two-Way Class IV Bike Trail

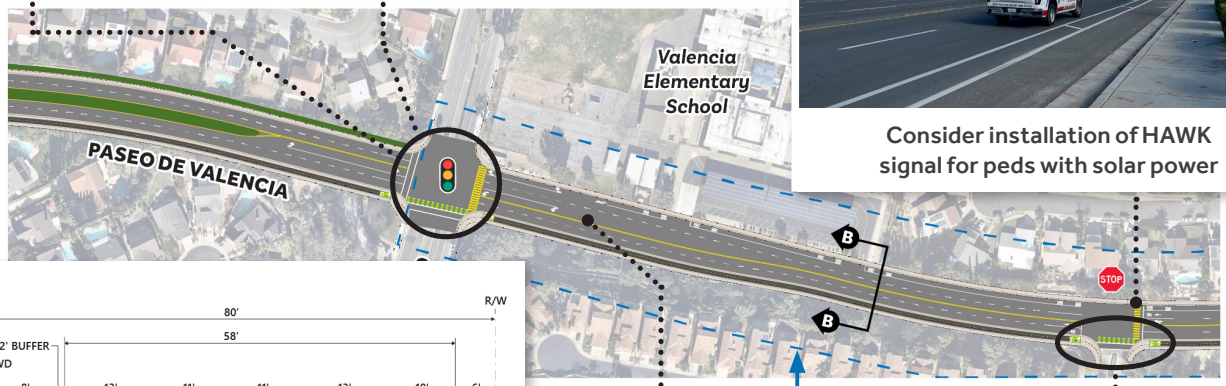
IMPROVEMENT HIGHLIGHTS & CONSIDERATIONS

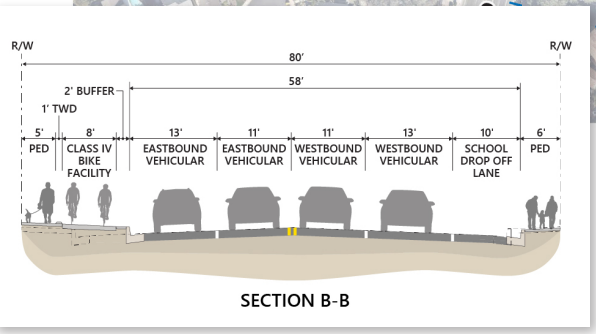
Add signal indication pointing westbound at 17' high to increase visibility to incoming traffic

Transitional crossing from bi-direction to uni-directional protected bike lane is required here for optional layout



Consider installation of HAWK signal for peds with solar power





SECTION B-B

Consider installing raised median to prevent jaywalking and U-turns



Reconstruction of Cross-gutter with flow line outside cycling paths (Typ)



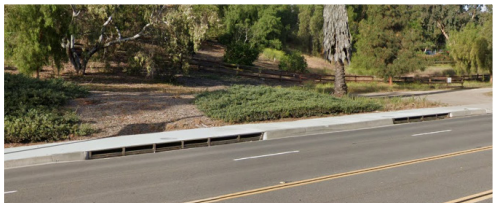
Examine horizontal and vertical sight distances and set red curb extents to facilitate ingress/egress safety (TYP)

Cross-gutter reconstruction required

Transitional bicycle facilities to the north side of Cabot Road are needed



Consider installing raised median to prevent jaywalking and U-turns



Catch basins will have to be reviewed and relocated to the new curb location if needed (Typ)

Add "Yield to Pedestrian;" with warning beacon ahead of free-right turn channelization

Consider installing Rapid Rectangular flashing beacon & speed table ahead of it to calm approach speed

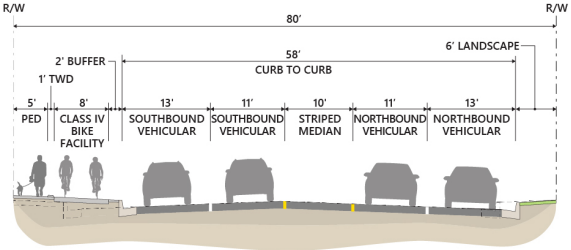
Cabot Road Improvements Two-Way Class IV Bike Trail

IMPROVEMENT HIGHLIGHTS & CONSIDERATIONS



Start merge earlier, immediately after the crossing. Between 500 to 600 feet is required.

SECTION C-C



SECTION D-D

Proposed City of Mission Viejo Quad Cities Bikeway Project



Consider installing raised median for beautification purposes, and illegal U-turn prevention

Attention to Transitional crossings for bicyclists

Work Approach/Scope of Services

Psomas acknowledges the Scope of Work contained in the RFP. While pledging the scope of work for Tasks 1 and 2, the team offers the following supplements, ideas, modifications, and assumptions for further discussion as needed.

Task 1 – PAED Phase (6 Months)

1) PROJECT MANAGEMENT AND COORDINATION

Psomas understands that the success of any project starts with a strong foundation that fosters open communication and collaboration. As Project Manager, Tom Herbel, PE, will be a single point of contact for the City. Tom will be coordinating and checking-in on a regular basis with key discipline leads during both Phases 1 and 2, which is understood to be under a different authorization.

Psomas subscribes to Microsoft 365 and can use its SharePoint capabilities for file transfer and sharing as needed. While pledging to account for the number of meetings listed in the RFP, Psomas recommends to use workshop or design-charette style meetings with stakeholders involved to reach consensus on a conceptual design, when a layout is available.

DELIVERABLES

- One (1) Project Kick-Off meeting
- Five (5) monthly project progress meetings, agendas, minutes, scope and schedule updates (2 in-person and 3 virtual meetings assumed)
- One (1) City Council Meetings
- One (1) Traffic Commission meetings

2) PRELIMINARY ENGINEERING

a) Research and Review Available Data

Psomas accepts the scope and deliverables.

b) Utility Research and Notification

Psomas accepts the scope and deliverables.

c) GIS & Geospatial Plainimetrics

The Psomas team will establish preliminary GIS Right-of-Way linework from County of Orange records and provide planimetrics using NearMap.

DELIVERABLES

- CAD topo base map (DWG, AutoCAD Civil 3D) at 1"=20' scale, including curbs and striping.
- Preliminary Right-of-Way lines based on GIS data (provided by city)

d) Site Evaluation

Psomas accepts the scope and deliverables.

e) Environmental Study Area

Psomas accepts the scope and deliverables.

f) Geotechnical Investigation

To stay within the PAED phase budget, Psomas is proposing to shift this to Task 2, otherwise, Psomas accepts the scope and deliverables.

g) Alternatives Analysis

In conjunction with producing the support and content for the environmental document, Psomas is prepared to develop up to two (2) concept designs for City staff review and developed based upon community feedback as well as a context sensitive design. Concept design drawings will consist of cross-sections, full-plan view concepts with preliminary roadway geometry, curb return radii modifications as required, pavement marking and signing/striping, proposed streetscape enhancements, crosswalks, sidewalk improvements for conveying design intent. No specific call-outs or stationing other than fundamental dimensioning and lengths will be provided.

DELIVERABLES

- Two (2) Alternatives/Concept Design Layouts & Typical Cross Sections on high-resolution Aerial map
- Cost-Benefit and Risk Analysis of two (2) alternatives

h) Develop 35% Design Plans

Psomas accepts the scope and deliverables with the following clarification to stay within the PAED phase budget. Psomas is proposing to shift this scope of work to Task 2 and forgo the 35% Design Plans and jump right into the 65% Plans for Task 2. Psomas will develop the chosen preferred alternative to support the PAED phase.

3) COMMUNITY ENGAGEMENT

Our Team understands that community and stakeholder engagement is critical to the success of the Project. In consultation with the City Team, we will use relevant and comprehensive strategies to receive feedback residents and local businesses and maintain an ongoing dialogue with the stakeholders throughout the process.

Task 3.1: Public Outreach Plan

Our Team will prepare a Public Outreach Plan that clarifies the project messaging, identifies the community stakeholders, outlines the communication strategies to engage and notify the public, describes the outreach events, and lays out the implementation plan. Discussion and clarification on outreach strategy will be discussed in the project kick-off meeting.

Task 3.2: Project Webpage

To learn about the alternatives and promote opportunities to provide input into the selection of a preferred design, our team will provide project content for the City's website. We recommend linking to the current Mobility Element page for history, but potentially developing a new robust page for this phase of the project to include project description, previous engagement, an FAQ, timeline, opportunities for engagement, and alternatives under consideration. Periodic updates to the content would be provided at key junctures in the project.

Task 3.3: In-person Open House Workshops

Our Team will plan, organize and host two (2) interactive open-house style community workshops to allow community members and businesses to explore alternatives and provide input and opinions. We envision the open houses including a number of "stations" each hosted by project team members with detailed concept graphics, informative boards, and illustrative renderings and an additional board or exercise to capture feedback and preferences. Materials will be placed on the project webpage after each event to allow continued community review and input.

DELIVERABLES

- Public Outreach Plan – draft and final
- Open House Summary Reports
- Content for project webpage – draft and final plus two (2) updates
- In-person meeting attendance and materials at two (2) community open houses

4) PAED REPORT

Psomas will prepare a Project Approval Memorandum that will include the following along with the summary of the opportunities and constraints analysis.

a) Environmental

- **Preliminary Environmental Study (PES) Form:** Once a project description is prepared and the engineering team has defined the project's limits of disturbance, Psomas will prepare and submit an electronic version of a PES form to determine what type of NEPA documentation is appropriate and whether technical studies will be required for the project.

  Psomas will prepare an Initial Site Assessment (ISA) Questionnaire, which will be submitted for Caltrans review as an attachment to the PES.

  Psomas will submit the PES package to the City for submittal to Caltrans Local Assistance. Psomas will revise the PES package based on two (2) rounds of Caltrans comments and will subsequently prepare a project Environmental Commitments Record (ECR) that documents any avoidance or minimization measures that are required by Caltrans for the project.

  It is anticipated that Caltrans will determine the project qualifies for a NEPA Categorical Exclusion pursuant to NEPA. If this is the case, Caltrans will sign the PES and a Categorical Exclusion form completing the NEPA process for the project. No stand-alone technical studies or reports are assumed as part of this scope of services; however, there is a potential that Caltrans could request additional technical analysis to approve the project, which will be determined by Caltrans during their review of the PES form.

- **Categorical Exemption Memorandum:** Related to the California Environmental Quality Act (CEQA), Psomas believes the project would qualify for a Class 1 (existing facilities) categorical exemption from CEQA.

  To document that the project is categorically exempt from CEQA, Psomas will prepare a Categorical Exemption Memorandum (Memorandum), which will be submitted to the City for review. The Memorandum will include: an introduction to the project; a qualitative review of each CEQA environmental resource topics; and discussion of the applicability of a categorical exemption to the project.

  Upon completion, the first draft of the Memorandum will be submitted electronically to the City for review. Following the City's review of the Memorandum, Psomas will revise the document and submit a final draft for the City's review and approval. Once the Memorandum is approved by the City, Psomas will prepare and file a Notice of Exemption (NOE) form with the County Clerk for the project and will subsequently file the NOE form with the State Clearinghouse via CEQAnet for the project.

b) Traffic and Alternatives Analysis

Psomas accepts the scope and deliverables in the RFP. Psomas will conduct a Vehicle Miles Traveled (VMT) screening assessment per the City of Laguna Hills VMT Guidelines (August 2025). Based on the City's guidelines for evaluating VMT on transportation projects subject to CEQA review, the project is not expected to cause a substantial increase in vehicle travel. As a result, it is assumed that a quantitative VMT analysis is not included in this scope.

Psomas will collect morning peak hour (7:00AM-9:00AM) and evening peak hour (4:00PM-6:00PM) vehicle, pedestrian, and bicycle turning movement counts at up to twelve intersections along Paseo de Valencia and Cabot Road. Additionally, Psomas will collect 24-hour vehicle counts at up to 12 roadway segments. Psomas will prepare an intersection vehicular Level of Service (LOS) analysis along Paseo de Valencia and Cabot Road, using the Intersection Capacity Utilization (ICU) and Highway Capacity Manual (HCM) Methodologies for signalized and unsignalized intersections, respectively. Additionally, Psomas will conduct a roadway LOS analysis along Paseo de Valencia and Cabot Road based on the roadway analysis methodology outlined in the City of Laguna Hills Traffic Study Guidelines (2025).

Psomas will conduct traffic signal warrant analyses at up to two (2) unsignalized intersections in accordance with the California Manual on Uniform Traffic Control Devices (CAMUTCD) and with the City of Laguna Hills Traffic Impact Study Guidelines (2025). Psomas will also prepare and submit a Draft Traffic Analysis Memorandum summarizing the results of the VMT Screening Assessment, LOS analysis, and signal warrant analyses.

DELIVERABLES

- Draft and Final Traffic Analysis Memorandum

Task 2 – PS&E Phase

1) PROJECT MANAGEMENT AND COORDINATION

Psomas understands the success of any project starts with a strong foundation that fosters open communication and collaboration and as Project Manager, Tom Herbel, PE, QSD will be a single point of contact for the city. Tom will coordinate check-ins on a regular basis with key discipline leads during both Phases 1 and 2, which is understood to be under a different authorization.

DELIVERABLES

- 6 (six) monthly project progress meetings, agendas, minutes, scope and schedule updates (3 in-person and 3 virtual meetings assumed)
- One (1) City Council Meeting
- One (1) Traffic Commission meeting

2) GEOTECHNICAL ENGINEERING

GMU will provide the following geotechnical engineering services for this phase of the project.

Task 1 – Document Review, Utility Coordination, and Permitting

GMU will review available records (as-builts, specs, pavement history) to support engineering analysis. Pavement coring locations will be marked, and Dig Alert notified to identify utility conflicts. GMU will obtain the City of Laguna Hills no-fee Encroachment Permit with support from the City's Project Manager, submitting maps, insurance, business license, and contractor information. One (1) round of City comments is assumed; no additional agency permits are required.

Task 2 – Subsurface Exploration

GMU will perform six (6) pavement cores along Paseo de Valencia, Cabot Road, and adjacent bike path, plus two (2)hand auger borings east of Cabot Road. Work will occur in one day between 8 a.m. and 5 p.m. Corings will extend up to four (4) feet, logging AC, AB, PCC, fabric, and other layers. Subgrade samples will be collected, and holes backfilled and capped. Traffic control will consist of single-lane closures; no formal traffic control plans are included.

Task 3 – Laboratory Testing

Samples will be tested in GMU's Caltrans-certified lab. Testing may include R-value, moisture density, soil classification, in-place moisture, and corrosion parameters (sulfates, chlorides, pH, resistivity). Mix design testing for recycled or cement-treated pavement sections is excluded but can be added under a separate proposal.

Task 4 – Engineering Analysis and Reporting

GMU will analyze field and lab data and prepare a geotechnical report summarizing site conditions and providing recommendations for flatwork, pavement design, and earthwork (grading, subgrade prep, compaction, trench backfill, drainage, and wet soil considerations). Soil corrosion results will also be addressed. The report will be signed and stamped by a California registered civil engineer.

Clarifications

- Traffic control plans are not included and are expected to be prepared by the contractor.
- Bidding Assistance, Construction Assistance, and Access to City Reports and Resources: Psomas accepts the scope and deliverables.

3) PS&E

Psomas accepts the scope and deliverables with the following clarifications. Based on what the City has outlined in the RFP, Psomas will be developing and submitting deliverables from the table below during this phase.

3A) RIGHT-OF-WAY ENGINEERING

- Boundary survey and MTLS mapping.
- Establish horizontal/vertical control using GPS and conventional methods (NAD83, CCS83 Zone VI, NAVD88).
- Recover street monuments and property corners; set ~60 MTLS targets.
- Prepare basemap with street centerlines and rights-of-way; property lines shown from record info.
- MTLS mapping at 1"=20' scale, collecting roadway, utilities, and cultural features within limits (e.g., sidewalks, curbs, fences, structures, utilities, trees, drainage, striping, signs, lighting, manholes, inlets).
- Include rim and invert elevations for sewer and storm drain structures.

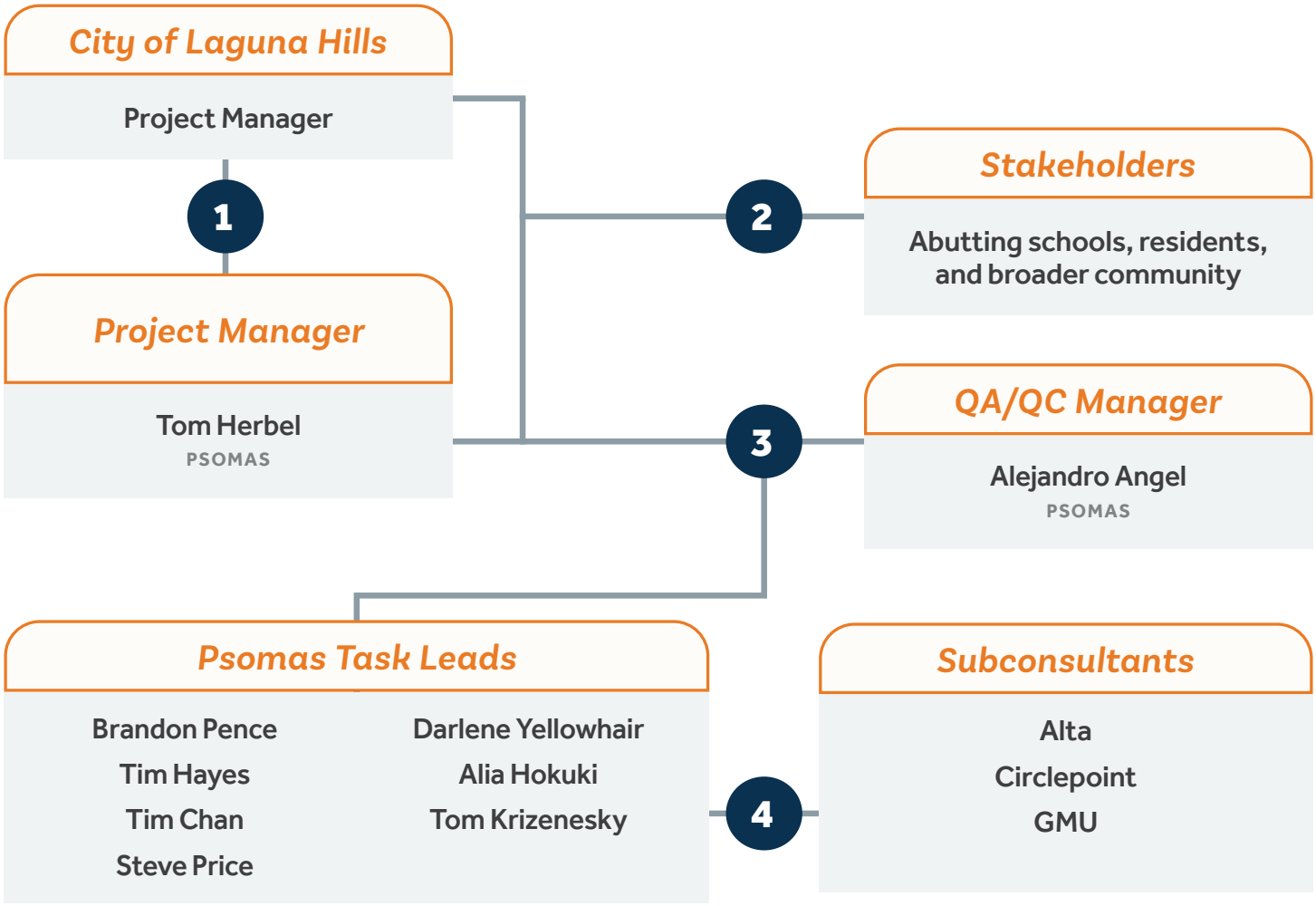
No.	Items of Work or Plan	Scale	Est. No. of Sheets	65%	90%	100% and Final
1	Coordination with utility firms on design, verification notices, and relocation follow-ups as needed	N/A	N/A	N/A	✓	✓
2	Field notes on existing signal locations	N/A	4	✓	✓	✓
3	Title sheet	N/A	1	✓	✓	-
4	General notes, abbreviations, construction notes, legend, utility contacts, etc.	N/A	1	✓	✓	✓
5	Roadway typical section	N/A	2	✓	✓	✓
6	Improvement details & Horizontal Control	VAR	2	✓	✓	✓
7	Roadway Improvement Plans & Profiles	1"=20'	24	✓	✓	✓
8	Signing/Striping Plans (dual panel)	1"=40'	7	✓	✓	✓
9	Street Lighting Plans & Detail	1"=40'	5	✓	✓	✓
10	Traffic Signal Modification Plans	1"=20'	4	✓	✓	✓
11	Irrigation Plans & Detail (dual panel)	1"=40'	12	✓	✓	✓
12	Planting Plans & Detail (dual panel)	1"=40'	12	✓	✓	✓
	Total Estimated Plan Sheets		**74**			
	Engineer's Estimates with Appropriate Contingencies			✓	✓	✓
	Specifications with Front-End Document Provided by the City				✓	✓
	Photometric Evaluation for Street Lighting			✓		



G Communication Plan

Communication Plan

Effective and proactive communication between the City and the Psomas team is critical to the project's success. We envision primary communications through our Project Manager, **Tom Herbel**. They will have assistance from other team members for some of the day-to-day communications and will involve task leads in communications for specific technical items. The diagram below indicates our intended communication structure, with reporting relationships described below the diagram. Our team routinely provides a Communications Plan to clients that can be further tailored to meet your needs.



Reporting Relationships

- Communication at management level on status, issues, significant items, and contract items
- Obtain relevant stakeholder information and coordination while keeping the City Project Manager informed
- Quality Control planning and implementation by coordinating with management and Psomas Task Leads
- Ongoing communication on deliverables, quality, and input required from the City or discipline-specific data

H Cost Proposal

The cost proposal is submitted in a separately sealed envelope.

Appendix

City of Laguna Hills
PASEO DE VALENCIA AND CABOT ROAD - ACTIVE TRANSPORTATION PROJECT

ATTACHMENT 1

NON-COLLUSION AFFIDAVIT

The undersigned represents and certifies that:

1. This Proposal is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization or corporation.
2. This Proposal is genuine and not collusive or sham.
3. The Proposer has not directly or indirectly induced or solicited any other Proposer to put in a false or sham proposal and has not directly or indirectly colluded, conspired, connived, or agreed with any other Proposer or anyone else to put in sham proposal or to refrain from submitting to this RFP.
4. The Proposer has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the proposal price or to fix any overhead, profit or cost element of the proposal price or to secure any advantage against the City of Laguna Hills or of anyone interested in the proposed contract.
5. Proposer affirms that all statements contained in the Proposal and related documents are true and correct.
6. Proposer has not directly or indirectly submitted the proposal price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay any fee to any person, corporation, partnership, company, association, organization, RFP depository, or to any member or agent thereof to effectuate a collusive or sham proposal.
7. Proposer has not entered into any arrangement or agreement with any City of Laguna Hills public officer in connection with this proposal.
8. Proposer understands that collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards.

I declare under penalty of perjury pursuant to the laws of the State of California and the United States that the foregoing facts are true and correct. Executed this 18 day of December, 2025, at Santa Ana, California.

_____
Signature of Authorized Representative

Tom Herbel
Name of Authorized Representative

Vice President
Title of Authorized Representative

City of Laguna Hills
PASEO DE VALENCIA AND CABOT ROAD - ACTIVE TRANSPORTATION PROJECT

ATTACHMENT 2

CONSULTANT'S ACKNOWLEDGEMENT OF COMPLIANCE WITH INSURANCE REQUIREMENTS FOR AGREEMENT FOR PROFESSIONAL SERVICES

Consultant agrees, acknowledges, understands and is fully aware of the insurance requirements as specified in ***Section 5, Insurance Requirements*** of the attached sample Agreement for Professional Services (Attachment 4) and hereby accepts all conditions and requirements as contained therein.

Consultant: Psomas
Name (Please Print or Type)

By: Vice President
Consultant's Signature & Title

Date: December 18, 2025

This executed form must be submitted with proposal.

City of Laguna Hills
PASEO DE VALENCIA AND CABOT ROAD - ACTIVE TRANSPORTATION PROJECT

ATTACHMENT 3

CERTIFICATION OF PROPOSAL TO THE CITY OF LAGUNA HILLS

The undersigned hereby submits its proposal and agrees to be bound by the terms and conditions of this Request for Proposal (RFP). By signing the Certification of Proposal (**Attachment 3**) and submitting a proposal to the City in response to this Request for Proposals, the Proposer hereby represents and certifies that:

A) No elected or appointed official, officer, or employee of the City has been or shall be compensated, directly or indirectly, in connection with this proposal or for any work connected with this proposal; should any agreement be approved in connection with this Request for Proposals ("Agreement") no elected or appointed official, officer, or employee of the City, during the term of his/her service with the City, shall have any direct or indirect financial interest in the Agreement, or obtain any present, anticipated, or future financial interest or other material benefit arising therefrom;

B) No elected or appointed official, officer, or employee of the City shall have any financial interest, direct or indirect, in the Agreement nor shall any such official, officer, or employee participate in any decision relating to the Agreement which effects his/her personal financial interest or the financial interest of any corporation, partnership, or association in which they are, directly or indirectly, interested in violation of state law;

C) The Proposer and its principals do not have now, nor shall it acquire any financial or business interest that would conflict with the performance of services under the Agreement;

D) Proposer does not and will not discriminate against any employee or applicant for employment because of race, religion, gender, color, national origin, sexual orientation, ancestry, marital status, physical condition, pregnancy or pregnancy related conditions, political affiliation or opinion, age or medical condition;

E) By submitting the response to this request, Proposer agrees, if selected, to furnish services to the City in accordance with this RFP;

F) Proposer has carefully reviewed its proposal and understands and agrees that the City is not responsible for any errors or omissions on the part of the Proposer and that the Proposer is responsible for them;

G) It is understood and agreed that the City reserves the right to accept or reject any or all proposals and to waive any informality or irregularity in any proposal received by the City;

I) The proposal shall be valid for 180 days from the date of submittal to the City.

I declare under penalty of perjury pursuant to the laws of the State of California and the United States that the foregoing facts are true and correct.

Executed this 18th day of Dec., 2025, at Santa Ana, California.

Name of Proposer: Psomas

By: _____
(Authorized Signature)

Type Name: Tom Herbel

Title: Vice President

Date: December 18, 2025

EXHIBIT 10-Q DISCLOSURE OF LOBBYING ACTIVITIES

COMPLETE THIS FORM TO DISCLOSE LOBBYING ACTIVITIES PURSUANT TO 31 U.S.C. 1352

1. Type of Federal Action:

☐ a. contract
☐ b. grant
☐ c. cooperative agreement
☐ d. loan
☐ e. loan guarantee
☐ f. loan insurance

2. Status of Federal Action:

☐ a. bid/offer/application
☐ b. initial award
☐ c. post-award

3. Report Type:

☐ a. initial
☐ b. material change

For Material Change Only:
year ____ quarter _____
date of last report _____

4. Name and Address of Reporting Entity

☐ Prime ☐ Subawardee
Tier _____, if known

Congressional District, if known

5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:

Congressional District, if known

6. Federal Department/Agency:

7. Federal Program Name/Description:

CFDA Number, if applicable _____

8. Federal Action Number, if known:

9. Award Amount, if known:

10. Name and Address of Lobby Entity
(If individual, last name, first name, MI)

11. Individuals Performing Services
(including address if different from No. 10)
(last name, first name, MI)

(attach Continuation Sheet(s) if necessary)

12. Amount of Payment (check all that apply)

$_____ ☐ actual ☐ planned

13. Form of Payment (check all that apply):

☐ a. cash
☐ b. in-kind; specify: nature _____
Value _____

14. Type of Payment (check all that apply)

☐a. retainer
☐b. one-time fee
☐c. commission
☐d. contingent fee
☐e. deferred
☐f. other, specify _____

15. Brief Description of Services Performed or to be performed and Date(s) of Service, including officer(s), employee(s), or member(s) contacted, for Payment Indicated in Item 12:

(attach Continuation Sheet(s) if necessary)

16. Continuation Sheet(s) attached: ☐ **Yes** ☐ **No**

17. Information requested through this form is authorized by Title 31 U.S.C. Section 1352. This disclosure of lobbying reliance was placed by the tier above when his transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to Congress semiannually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

Signature: 

Print Name: Tom Herbel

Title: Vice President

Telephone No.: 714.481.7956 Date: 12.18.2025

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TOM HERBEL, PE, QSD

Project Manager - Psomas



REGISTRATION

1995/CA/Professional Engineer/ Civil/53300

EDUCATION

BS/Civil Engineering/California State University, Long Beach

EXPERIENCE

With Psomas for 11 years; with City of Huntington Beach for 13 years

Tom has 37 years of experience in public works and project management, with a proven track record of directing, administering, and strategically planning large-scale capital improvement programs. He excels in overseeing infrastructure projects involving street construction, sewer and drainage systems, water facilities, and public building rehabilitation as demonstrated with overseeing over 500 million dollars of infrastructure in the City of Huntington Beach. Tom is highly skilled in coordinating civil engineering reviews, managing multidisciplinary teams, and ensuring compliance with regulatory standards. His expertise includes budget development, process optimization, and stakeholder negotiation, consistently delivering successful outcomes for complex municipal and public works initiatives.

Experience

Santiago Canyon Drainage Culvert Analysis and Repair – Orange County, CA: Project Manager for analysis to determine the most effective method to repair a culvert crossing of Santiago Canyon Road. The project involved the analysis and design of four alternatives to repair the failed culvert outlet and provide water quality enhancement. The project involved "out of the box" engineering to deal with the limited right-of-way and environmental constraints, water quality enhancing features, as well as a design, which could blend into the existing natural environment.

County of Orange, Oso Parkway Widening – Coto de Caza and Rancho Santa Margarita, CA: Project Manager for widening of Oso Parkway from Meandering Trail to Solano (2 miles) in conjunction with the County's Master Plan of Arterial Highways. The widening turned will turn a six-lane facility into an eight-lane facility. The project consists of preparing environmental documentation; preparing traffic studies to determine intersection configurations; widening the roadway to eight lanes; coordinating with Caltrans and obtaining an encroachment permit; preparing a drainage deficiency study; designing major drainage structures; and preparing a Storm Water Management Plan.

Balboa Village Streetscape – Newport Beach, CA: Project Manager for the beatification of the Village area that surrounds the Balboa Pier Area and the Fun Zone. This award winning project involved the new design of the streets and architecturally enhanced sidewalks. The enhancements involved Lithocrete, a special architectural type of concrete, designed with patterns that fit the beach community for both the roadways and the sidewalks, unique steel tree wells and the creation of a more pedestrian friendly environment. Due to the flat terrain of the area a special drainage plan was developed to keep standing water off of the streets by creating small valleys for water to drain to and reduce the amount of ponding that previously occurred.

Stonehill Drive Streetscape, Arterial Highway Beautification – Dana Point, CA: Project Manager for preparation of plans, specifications, and bidding documents for the widening, rehabilitation and street beautification for the entire three-mile length of Stonehill Drive. The project involved the design of new raised landscaped medians, rehabilitation of the existing pavement, new curb and gutter to widen portions of the highway, new parkway landscaping, a new signalized intersection and the relocation of existing storm drain facilities to accommodate the widened roadway.

City of Dana Point, Del Prado Town Center Revitalization – Dana Point, CA: Project Manager for the civil design for the revitalization of the Dana Point Town Center.

ARIEF NAFTALI, PE, TE, EE, RSP1, ENV SP

Principal-in-Charge – Psomas



Arief Naftali is a licensed civil, traffic, and electrical engineer in California with 25 years of hands-on professional experience in the design and management of various road, traffic, civil, site, highway, and engineering projects serving multiple local and regional agencies in Southern California, including Caltrans. Arief is adept in roadway infrastructure, site development, active transportation, traffic engineering, outdoor electrical, and transportation planning projects, delivering improvement needs to local and regional communities alike. Arief's project portfolio encompasses a full range of projects starting from planning and design, through construction.

REGISTRATION

2016/CA/Electrical Engineer/21570

2005/CA/Traffic Engineer/2296

2003/CA/Professional Engineer/Civil/64286

CA/Road Safety Professional/552

EDUCATION

2004/MS/Civil Engineering (Transportation Engineering)/California State University, Long Beach

2001/MA/Organizational Management/Azusa Pacific University

1999/BS/Civil Engineering/California State Polytechnic University, Pomona

CERTIFICATIONS

Envision Sustainability Professional/Institute for Sustainable Infrastructure

PROFESSIONAL AFFILIATIONS

American Public Works Association

Institute of Transportation Engineers

EXPERIENCE

With Psomas for 12 years; with other firms for 13 years

Experience

Eastern Avenue Multi-Modal Transportation Improvement Project – Los Angeles, CA: Traffic Engineering Manager for the project approval and environmental document phase for this project, which proposes for this project, which proposes to re-envision 1.5 miles of Eastern Avenue as a multimodal corridor that is safe and accessible for pedestrian crossing, biking, mass transit, and general driving to employment, education, health care, parks, and recreational centers. The project involves a robust community engagement process. The community engagement process consisted of project data updates via website, flyer creation and distribution, door to door business outreach, surveys, digital ads, email communications, two community meetings, and six focused community meetings. New project features include new signalized intersections, lighting upgrades, pedestrian safety crossing improvements, bicycle infrastructure, landscape elements, and upgrades to transit stops.

Cordova Street Complete Street Project – Pasadena, CA: Traffic Engineering Manager for developing preliminary engineering design and, ultimately, final construction design PS&E for this project. The project will improve safety along Cordova Street with Class II bike lanes, bicycle detection, street resurfacing, and pedestrian ADA accessibility upgrades.

Avenue R Complete Streets and Safe Routes to School – Palmdale / Los Angeles, CA: Senior Traffic Engineer for providing environmental clearance and developing construction documents for infrastructure enhancements to accomplish a "Complete Streets" approach along Avenue R from Sierra Highway to 25th Street East. Psomas is preparing a full range of technical studies (Natural Environment Study, Draft Relocation Impact Statement, Community Impact Assessment memo) in support of the IS/EA on an expedited schedule due to the use of federal funding sources. Additional elements of the project include sidewalk gap closures, widening of Avenue R to include a Class II bike lane on the north and south sides of the street, and a two-way left-turn lane. Arief was responsible for the development of signal modifications, signing/striping, and lighting plans for the project.

Complete Streets Program – Los Angeles, CA: Traffic Engineering Manager in support of the prime contractor for the PS&E preparation of the City's Complete Street Program intended to implement Vision Zero and green infrastructure elements and rehabilitate of 22 miles of roadway. Meticulous planning and management were needed to coordinate with multiple design teams, disciplines, and City departments to achieve the City's goals, objectives, and aggressive schedule.

West Santa Ana Branch Bikeway Phase 2 – Paramount, CA: Project Manager for providing project management, conceptual design, and preparation of the construction drawings and technical specifications for the West Santa Ana Branch Bikeway Phase 2 Active Transportation Project within the city limits.

ALEJANDRO ANGEL, PHD, PE, PTOE, RSP2I

QA/QC Manager - Psomas



REGISTRATION

2003/AZ/Professional Engineer/Civil/40203

2008/CA/Professional Engineer/Civil/72792

2025/NM/Professional Engineer/30548

2016/UT/Professional Engineer/9731937

EDUCATION

2008/PhD/Civil Engineering (Transportation)/University of Arizona

2002/MS/Civil Engineering (Transportation)/University of Arizona

1999/BS/Civil Engineering/Universidad EAFIT, Colombia

CERTIFICATIONS

Road Safety Professional Level 2/Transportation Professional Certification Board Inc./35

Professional Traffic Operations Engineer/Transportation Professional Certification Board Inc./1324

PROFESSIONAL AFFILIATIONS

Arizona Council of Engineering Companies

Living Streets Alliance

El Tour de Tucson

Southern Arizona Leadership Council

EXPERIENCE

With Psomas for 23 years; with other firms for 3 years

Alejandro is Director of Engineering at Psomas, a multi-disciplinary firm headquartered in Los Angeles. He holds a Ph.D. in traffic engineering from the University of Arizona and is a Registered Professional Engineer in Arizona, California, New Mexico, and Utah. Alejandro is also a certified PTOE and among the few nationwide certified as a Level 2 Road Safety Professional (RSP2i). His expertise includes traffic studies, safety evaluations, and roadway design, including roundabouts, signals, and Intelligent Transportation Systems. Alejandro serves on the ACEC Arizona and Psomas Boards, has chaired the Arizona Board of Technical Registration, and taught as adjunct faculty at the University of Arizona.

Experience

City of Los Angeles, Eastern Avenue Multi-Modal Transportation Improvement Project – Los Angeles, CA: Traffic Engineering QA/QC Manager for the project approval and environmental document phase for this project, which proposes for this project, which proposes to re-envision 1.5 miles of Eastern Avenue as a multimodal corridor that is safe and accessible for pedestrian crossing, biking, mass transit, and general driving to employment, education, health care, parks, and recreational centers. The project involves a robust community engagement process. The community engagement process consisted of project data updates via website, flyer creation and distribution, door to door business outreach, surveys, digital ads, email communications, two community meetings, and six focused community meetings. New project features include new signalized intersections, lighting upgrades, pedestrian safety crossing improvements, bicycle infrastructure, landscape elements,

Dana Point Town Center at Pacific Coast Highway and Del Prado – Dana Point, CA: Quality Assurance for the Dana Point downtown revitalization project that converted the roadway at Pacific Coast Highway (PCH) and Del Prado from one-way to two-way. Psomas designed signal modifications for nine intersections in the Dana Point Town Center and conducted a planning-level analysis to provide all direct property access via alleys in the Town Center. The design enhanced the pedestrian experience by widening sidewalks while retaining on-street parking; reflects the unique coastal environment; and created stronger linkages to the natural features along the bluff and other destinations such as the Marina. The project required right-of-way improvements to return PCH to two-way operations, traffic signalization, striping and signing modifications, new bus stops, several landscaped medians, a new storm drain system, and road widening.

BRANDON PENCE, PE, ENV SP

Task 1 and 2- Psomas



REGISTRATION

2023/CA/Professional Engineer/ Civil/95604

EDUCATION

2017/BS/Civil Engineering/ University of California, Irvine

CERTIFICATIONS

Envision Sustainability Professional/Institute for Sustainable Infrastructure

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

EXPERIENCE

With Psomas for 6 years; with other firms for 2 years

Brandon Pence has eight years of civil engineering experience designing transportation and multi-modal improvement projects in Southern California. Brandon has experience with a variety of transportation elements such as signal design, signing and striping, signal modification, traffic control, bicycle and pedestrian facilities, and other street improvement components. Brandon is proficient in AutoCAD, Civil 3D, and MicroStation. Brandon is also well-versed in a multitude of local design standards and guidelines.

Experience

Eastern Avenue Multi-Modal Transportation Improvement Project – Los Angeles, CA: Project Engineer for the project approval and environmental document phase for this project, which proposes for this project, which proposes to re-envision 1.5 miles of Eastern Avenue as a multimodal corridor that is safe and accessible for pedestrian crossing, biking, mass transit, and general driving to employment, education, health care, parks, and recreational centers. The project involves a robust community engagement process. The community engagement process consisted of project data updates via website, flyer creation and distribution, door to door business outreach, surveys, digital ads, email communications, two community meetings, and six focused community meetings. New project features include new signalized intersections, lighting upgrades, pedestrian safety crossing improvements, bicycle infrastructure, landscape elements, and upgrades to transit stops.

Cordova Street Complete Street Project – Pasadena, CA: Design Engineer for developing preliminary engineering design and, ultimately, final construction design PS&E for this project. The project will improve safety along Cordova Street with Class II bike lanes, bicycle detection, street resurfacing, and pedestrian ADA accessibility upgrades.

Complete Streets Program – Los Angeles, CA: Design Engineer in support of the prime contractor for the PS&E preparation of the City's Complete Street Program intended to implement Vision Zero and green infrastructure elements and rehabilitate of 22 miles of roadway. Meticulous planning and management were needed to coordinate with multiple design teams, disciplines, and City departments to achieve the City's goals, objectives, and aggressive schedule.

Pearblossom Highway Reconstruction – Palmdale, CA: Design Engineer for engineering design services for street improvement plans, signing and striping plans, traffic signal plans, traffic control plans, and updating opinion of probable costs and technical specification. Services included revisions to existing plan sheets; creation of additional sheets; a constructability review, and updated cost estimates and utility verification across all segments (Segments 1, 2, and 3).

Street Lighting Design for Coast Highway – Laguna Beach, CA: Design Engineer to procure the design of new decorative street lights on Coast Highway (US-1) as part of completing electrolier acquisition from SCE to the City. Engineering design included construction cost estimates, voltage drop calculations and wiring diagram for new and existing systems.

Pavement Rehabilitation for Various Streets – Moreno Valley, CA: Design Engineer for preparing a PS&E package for rehabilitating pavement on various streets, composed in accordance with the City's standards and guidelines based on similar, recently completed projects on other tracts within the City.

SHAYESTEH VAFAI, EIT, ENV SP

Task 1 Concept/Preliminary Engineering Docs - Psomas



EDUCATION

2014/MS/Civil Engineering/ University of California, Irvine

2013/BS/Civil Engineering/ University of California, Irvine

CERTIFICATIONS

Engineer-in-Training/CA/ California Board for Professional Engineers, Land Surveyors, and Geologists/172342

Envision Sustainability Professional/Institute for Sustainable Infrastructure

PROFESSIONAL AFFILIATIONS

Women's Transportation Seminar, Orange County Chapter

American Public Works Association

EXPERIENCE

With Psomas for 3 years; with other firms for 9 years

Shayesteh is a civil transportation engineer with 12 years of experience in design, development, and task management of transportation projects. As a relationship builder, she excels at collaborating with clients, contractors, and government agencies to meet or exceed design, quality, timeline and budget expectations. Shayesteh will make sure that targets set forth on projects are met, based on specifications, cost, and quality standards.

Experience

Crenshaw Boulevard Transportation Improvement Project – Inglewood, CA: Project Engineer for the approximately 2.95 miles long Inglewood Crenshaw Boulevard Transportation Improvement Project which provides infrastructure improvements, including street improvements to increase safety and mobility and pedestrian improvements, transit accessibility improvements, traffic signal modifications, upgrades, streetscape improvements and landscaping, and other traffic safety enhancements on Crenshaw Boulevard. The project intends to increase connectivity to significant destinations and transit ridership; and improve access to employment centers, educational facilities, healthcare facilities, parks, and recreational centers.

Broadway-Manchester Active Transportation Equity Project – Los Angeles, CA: Project Engineer for this project that will transform West Manchester Avenue and South Broadway into corridors of open space that are safer, more mobile, and sustainable. Design includes curb extensions, ADA compliant ramps, pedestrian lighting, street trees, street furniture, sidewalk, and Measure W stormwater quality improvements. Psomas is also in the process of providing a Technology Demonstration Objective study to help StreetsLA evaluate potentially efficient, and accurate, methods of topographic data collection. This includes comparison of evolving technologies, such as point cloud derived products, to conventional topographic survey mapping. Additionally, we are reviewing capabilities for asset management, and relevance to project design.

Environmental Approval, Design, and Right-of-Way Services for Intersection Improvements - Hyperion Avenue and Glendale Boulevard Project – Los Angeles, CA: Project Engineer for this project that will improve three intersections along Glendale Boulevard and Hyperion Avenue transportation corridors and include bicycle and pedestrian facilities that are critical to the multi-modal circulation of the entire Glendale Boulevard and Hyperion Avenue corridors. Both Glendale Boulevard and Hyperion Avenue between Glenfeliz Boulevard/Glenhurst Avenue and Rowena Avenue are major arterials with high truck volume and are part of the Countywide Significant Arterial Network (CSAN). Psomas is providing environmental approval, design, and right-of-way services.

Oso Creek Multi-Use Trail Preliminary Design and PS&E – Laguna Niguel, CA: Project Engineer for preliminary and final design services for the Oso Creek multiuse trail along the western edge of Forbes Road between its northern terminus and the Metrolink Commuter Rail Transit Station to the south. The project consisted of a bicycle/ maintenance access road with an adjacent pedestrian/equestrian train between Forbes Road and Oso Creek Channel.

TIMOTHY HAYES, PE, QSD

Federal Funding Support (NEPA/E-76) - Psomas



REGISTRATION

1997/CA/Professional Engineer/Civil/58986

EDUCATION

1992/BS/Civil Engineering/California Polytechnic State University, San Luis Obispo

CERTIFICATIONS

Qualified SWPPP Developer/Stormwater Multiple Application and Report Tracking System/C58986

PROFESSIONAL AFFILIATIONS

Women's Transportation Seminar

American Council of Engineering Companies

American Public Works Association

American Society of Civil Engineers

EXPERIENCE

With Psomas for 21 years; with other firms for 12 years

Tim Hayes has 32 years of experience and is adept at problem-solving and building consensus as a Project Manager of time-sensitive projects. His experience includes the planning and design of infrastructure and transportation improvements, including work on numerous planning strategies; preliminary design reports; project reports; project study reports; and final plans, specifications, and estimates (PS&Es) for various agencies and municipalities throughout California.

Experience

Rod Beaudry-Routier Bikeway Project – Rancho Cordova, CA: Project Manager responsible for the preliminary engineering and final design for this complete streets improvement project. The project connects the Lincoln Village neighborhood to the American River Parkway by constructing a one-way barrier-separated bicycle lane along Routier Road from Old Placerville Road to Folsom Boulevard and along Rod-Beaudry Drive between Folsom Boulevard and the American River Parkway. The total length of the project is 2.2 miles and is consistent with the City's Bikeway Master Plan. The work included the preparation of an environmental document to obtain CEQA/NEPA approval, coordination with the City and other stakeholders, and preparation of PS&E for the project. Specific improvements include Class IV barrier-separated bikeways, signing and striping, upgrading curb ramps and sidewalks, traffic signal upgrades, a new RRFB, drainage improvements, traffic handling, and stage construction details. Psomas' work also included topographic surveys, utility coordination, and public outreach, including several community workshops.

Dry Creek Greenway Bike Trail – Roseville, CA: Project Manager for this 4.25-mile trail along Dry Creek, Cirby Creek, and Linda Creek for the City of Roseville. Psomas was responsible for project management, preliminary engineering, feasibility analysis, public outreach, and hydrology/hydraulic and floodplain analyses. The project included seven bridge crossings and numerous retaining walls where the proposed trail passes under existing structures. An extensive public outreach program was a major part of the project development process for the project.

Harrison Elementary Active Transportation Project – Stockton, CA: Project Manager for the planning and design of bicycle and pedestrian improvements to provide safe and equitable transportation opportunities for all users in this disadvantaged community while promoting environmental stewardship in the interest of reducing the impacts of climate change. The planning effort consisted of a very robust engagement and outreach effort with the key stakeholders consisting of working group meetings, pop up events to reach members of this disadvantaged community, and one on one conversations to make sure every voice was heard. Services provided will include planning, engagement, preliminary engineering, environmental, and final design to improve the connectivity for this community and especially the students and parents of Harrison Elementary.

City of Los Angeles, Glendale-Hyperion Complex of Bridges Improvement Project – Los Angeles, CA: Lead Design Engineer for the Project Report (PR) and Plans, Specifications, and Estimate (PS&E) for rehabilitation of this complex of six bridges. Improvements include widening the Glendale Boulevard bridges; realigning the

TIM CHAN, PE

Traffic Engineering Lead – Psomas



REGISTRATION

2016/CA/Professional Engineer/Civil/85687

EDUCATION

2012/BS/Civil Engineering/California State Polytechnic University, Pomona

EXPERIENCE

With Psomas for 1 years; with other firms for 13 years

Tim Chan is a registered civil engineer with 13 years of experience specializing in transportation planning and traffic engineering design. He has worked with public and private sector clients on traffic impact studies, transportation analyses, and parking evaluations throughout Southern California. Tim is proficient in preparing traffic signal design, signing, striping, streetlight, traffic control, and interconnect plans. He manages planning and design tasks, developing complex staging, traffic control, and traffic signal plans while coordinating with multiple parties. He has extensive knowledge of design guidelines established by the California Manual on Uniform Traffic Control Devices (CA MUTCD), Caltrans, and local jurisdictions. Tim is currently involved in transportation studies and the ongoing design and implementation of traffic control layouts for various off-site improvement projects in California.

Experience

Environmental Approval, Design, and Right-of-Way Services for Intersection Improvements - Hyperion Avenue and Glendale Boulevard Project – Los Angeles, CA: Traffic Engineer for this project that will improve three intersections along Glendale Boulevard and Hyperion Avenue transportation corridors and include bicycle and pedestrian facilities that are critical to the multi-modal circulation of the entire Glendale Boulevard and Hyperion Avenue corridors. Both Glendale Boulevard and Hyperion Avenue between Glenfeliz Boulevard/Glenhurst Avenue and Rowena Avenue are major arterials with high truck volume and are part of the Countywide Significant Arterial Network (CSAN).

Pier D Street Realignment Project – Long Beach, CA: Traffic Engineer for the realignment of Pier D Street which serves as the single ingress and egress for the Pier D terminal area. The project realigns the vertical alignment of the road to improve the sight distance. The addition of a median lane and shoulders will help maintain the expected traffic flow generated from the container terminal. Sewer, water lines, electrical lines, and other utilities were realigned to meet standard cover under the new vertical alignment.

Temescal Canyon Road Widening - Drainage and Storm Drain Systems – Riverside, CA: Traffic Engineer for the project which proposes to construct roadway widening improvements along Temescal Canyon Road. In order to provide the capacity to meet regional transportation needs, improvements include pavement reconstruction and widening, intersection configurations, grading, slopes, retaining walls, drainage facilities, and traffic signal modifications.

NAM NGUYEN, EIT, ENV SP

Traffic Engineering Support - Psomas



EDUCATION

2015/BS/Civil Engineering/ California State Polytechnic University, Pomona

CERTIFICATIONS

Envision Sustainability Professional/Institute for Sustainable Infrastructure

Engineer-in-Training/CA/ California Board for Professional Engineers, Land Surveyors, and Geologists/154995

EXPERIENCE

With Psomas for 11 years

Nam Nguyen has been responsible for various design assignments focusing on public works and transportation projects throughout Southern California. Having successfully developed many traffic engineering construction documents, he is well-versed in the guidelines and standards that govern the making of geometric/signing, striping, traffic control, signal modification, and street improvement plans. Nam also possesses strong MicroStation, AutoCAD, and Civil 3D skillsets.

Experience

Cordova Street Complete Street Project – Pasadena, CA: Designer for developing preliminary engineering design and, ultimately, final construction design PS&E for this project. The project will improve safety along Cordova Street with Class II bike lanes, bicycle detection, street resurfacing, and pedestrian ADA accessibility upgrades.

Hyperion Avenue and Glendale Boulevard Intersection Improvements – Los Angeles, CA: Project Designer for the intersection improvements funded by LA Metro's Call for Projects. Scope of services involve traffic queuing analysis, on-street parking considerations, design of exclusive turn lanes to alleviate queuing and traffic congestion, Class II Bike lanes, a new crosswalk to facilitate safe pedestrian passage across Glendale Boulevard, traffic signal improvements, and improving the drainage system and infiltration basins.

Lincoln Park Pedestrian Path Lighting – Los Angeles, CA: Project Designer for the development of plans, specifications, and estimates to improve the pathways at Lincoln Park to meet ADA requirements. The project included renovation of the lighting system with LED lighting for energy savings and adequate illumination, as well as to replace, resurface, repair, and widen the walking paths and parkway entrances. Nam was responsible for illumination level calculations, and development of design plans which was completed within six months.

North Spring Street Bridge over the Los Angeles River – Los Angeles, CA: Project Designer for the widening of the North Spring Street Bridge over the Los Angeles River. This high-profile, $36 million project addressed seismic and geometric deficiencies, improved pedestrian and cyclist safety, and will preserve the historic integrity of the bridge. The new design consisted of widening the south side of the bridge and the approaches, adding a new signalized intersection, rehabilitating existing street lights and fabricating new street lights, street improvements, and new park improvements. Nam was responsible for the development and completion of lighting plans for both phase 1 and 2 of the project and the required coordination with BSL.

VINCENT HELLENS, JR., ENV SP, QSD/P

Roadway and Drainage – Alta



EDUCATION

2007/BS/Civil Engineering/ Alabama Agricultural and Mechanical University

CERTIFICATIONS

Envision Sustainability Professional/Institute for Sustainable Infrastructure

Qualified SWPPP Developer and Practitioner

EXPERIENCE

With Alta for 5 years; with other firms for 14 years

Vincent Hellens, Jr., has 19 years of experience managing and designing large and small public works infrastructure projects from planning and design through construction. His project management approach involves focusing on the needs of is clients while staying flexible and adaptable through the life of the project. He has delivered active transportation projects including pedestrian ADA improvements, Complete Streets, bike boulevards, Class IV bikeways, trails, and roadway rehabilitations. Vincent's relationship-driven leadership style has resulted in cohesive, goal-oriented teams that create positive results across a variety of situation. In addition, Vincent is responsive and maintains an open line of communication with his clients which allows him to report progress, identify problems, assign priorities, receive feedback, and document progress. He delivers projects by providing purpose, clear direction, and motivation to the project team.

Experience

South Higuera Street Complete Street – San Luis Obispo, CA: Project Manager for this Complete Streets project which includes 4.6 miles of protected bike lanes, buffered bike lanes, various intersection improvements, a HAWK beacon, RRFB, curb ramp upgrades, neighborhood traffic circles, and a pedestrian plaza. Responsible for managing the design and implementation of quick-build infrastructure improvements, including a separated bikeway, along Higuera Street. The project is federally funded through Caltrans Active Transportation Program.

Parker Street to Addison Bikeway (AHSC Connected Berkeley) – Berkeley, CA: Principal in Charge for the Affordable Housing Sustainable Communities (AHSC) design improvements with the goal of connecting neighborhoods in the disadvantaged West Berkeley area to the North Berkeley Bart rail station. The project consists of converting the existing Parker Street (from San Pablo Ave to Mabel), Mabel Street (between Ward and Dwight Way), and Bonar Street (from Dwight Way to Bancroft Way) to bicycle boulevards with a short segment of a protected Class IV on Dwight Way. The project includes construction of a new Class I pathway extension of the existing West Street Pathway; Rectangular Rapid Flashing Beacons; two traffic circles (at Bonar Street/Channing Way and Parker Street/9th Street); and sidewalk gap closure improvements on Acton Street (from Parker Street to Carleton Street). As Principal-in-Charge, he's responsible for overall QA/QC and ensuring the team has the necessary resources to complete the designs.

La Ballona Protected Bike Lane and Safe Routes to School Improvements – Culver City, CA: Assistant Project Manager for the conceptual design, outreach, and construction document preparation for Culver City's inaugural separated bikeway on Elenda Street, alongside neighborhood enhancements to establish Safe Routes to La Ballona Elementary School.

SASHA FOX, PE

Concept and Public Engagement – Alta



REGISTRATION

CA/Professional Engineer/91500

EDUCATION

BS/Civil Engineering/California Polytechnic University, Pomona

PROFESSIONAL AFFILIATIONS

Women in Transportation, Orange County Chapter

EXPERIENCE

With Alta for 1 years; with other firms for 10 years

Sasha is a licensed Civil Engineer in California with a decade of experience in transportation projects. She has successfully delivered projects in roadway rehabilitation and improvements, pedestrian accessibility (ADA) improvements, new and improved transportation hubs, and railroad crossings. With experience in design and construction, Sasha brings a proactive and responsive approach to effectively maintain an open line of communication with her clients and teams. Sasha's leadership style fosters a collaborative environment that identifies critical project needs and supports her clients to achieve their project goals.

Experience

People Movement Project – Glendora, CA: As Project Manager, Sasha is leading the team through the final design for this project, which is part of the City of Glendora Sustainable Multimodal Improvement Project (SMIP) Phase 1 (contracted through the San Gabriel Valley Council of Governments). This phase is comprised of three projects: Glendora Avenue Class I/IV improvements, protected intersection, and roundabout improvements; Little Dalton Wash Trail; and Foothill Boulevard Class IV improvements. Together, these projects will deliver key first/last mile connectivity improvements to the Metro A Line and fully develop the Glendora Urban Trail System. The Glendora Avenue project requires the construction of a half mile of raised Class IV protected bikeway and pedestrian improvements. The Little Dalton Wash project consists of 1.7 miles of Class I bicycle and pedestrian facilities to provide connectivity between the Colby Trail and Finkbiner Park. The design includes intersection crossing improvements, an on-street Class III bike route due to tight right-of-way constraints, native landscaping, and park amenities. Sasha is supporting the City in developing the 30% submittal, NEPA clearance, community outreach, and stakeholder coordination.

Wilshire-Le Doux TOUCAN Crossing Final Design – Los Angeles, CA: As Project Manager, Sasha is leading the final design for implementation of a TOUCAN bicycle and pedestrian crossing at the intersection of Wilshire Boulevard and Le Doux Road. Sasha is assisting the City with finalizing coordination with SoCal Edison for traffic signal implementation, and finalizing all necessary steps for the project to move towards procurement. Under Sasha's leadership, the team implemented field as-built information for utilities, site conditions to make design adjustments, and is preparing the Bid Set for construction.

San Jose Creek Multi-Use Bikeway – Pomona, CA: Sasha is the Assistant Project Manager and Design Lead for the San Jose Creek Multi-Use Bikeway, which will create a path that travels adjacent to the San Jose Creek Channel and connect families, cyclists, and pedestrians to access nearby schools, Cal Poly Pomona, and multiple city parks along the trail. Sasha is responsible for all design deliverables as part of the PS&E, overseeing coordination with multiple stakeholders.

STEVEN PRICE, PLS

Topographic Survey - Psomas



REGISTRATION

2019/CA/Professional Land Surveyor/9541

2000/WA/Professional Land Surveyor/36808

EDUCATION

1992/BS/Surveying/Oregon Institute of Technology, Klamath Falls, OR

1989/AA/Surveying/Peninsula College, Port Angeles, WA

EXPERIENCE

With Psomas for 9 years; with other firms for 24 years

Steve Price has 33 years of experience in providing surveying and mapping services for public agencies. He has been responsible for generating boundary, ALTA, topographical, and construction surveys; scheduling field crews; and preparing work proposals and estimates, property calculations, legal descriptions, Records of Survey, and plats.

Experience

City of Los Angeles, Complete Streets Program (TOS 38) – Los Angeles, CA: Project Surveyor in support of the prime contractor for the PS&E preparation of the City's Complete Street Program intended to implement Vision Zero and green infrastructure elements and rehabilitate of 22 miles of roadway. Meticulous planning and management were needed to coordinate with multiple design teams, disciplines, and City departments to achieve the City's goals, objectives, and aggressive schedule.

Two Heritage Park Parking Lots – Irvine, CA: Survey Manager for the preparation of plans, specifications, and estimates to construct two new surface parking lots at Heritage Park as part of the Heritage Community Master Plan. The new parking lots will include post-construction stormwater quality Best Management Practices, landscaping and irrigation, standard and ADA-compliant stalls, parking lot lighting, and EV charging stations. Steve oversaw the field package, processed field data, and signed the exhibit map. He established boundaries and plotted easements per the title reports provided. This project provided engineering design work for two parking lots at Heritage Park.

LA Metro, I-405 Sepulveda Pass Widening Design-Build – Los Angeles, CA: Project Surveyor for post-construction as-built surveys including mobile laser scanning, fixed laser scanning, and conventional design surveying services in support of LA Metro's final project close-out from the I-10 Interchange to the SR-101 Interchange. (12/2016 to 11/2019)

California High-Speed Rail Construction Packages 1-4 Utility Conflicts – Madera, Fresno, Tulare, and Kings Counties, CA: Survey Assistant for survey services including program development and management, project management, land records research; document analysis; verification of utility easement/fee areas; preparation of legal descriptions and exhibits; preparation of and recordation of conveyance packages for utility relocations; coordination with utility companies, HSR staff and County staff; and tracking and reporting on progress of the more than 900 parcels involved. Psomas developed a dashboard using Power BI as a tool that allows HSR and WSP staff and leadership to easily track and report the progress and status of each utility conflict.

ROBERT SALIT, PLS

Right-of-Way – Psomas



REGISTRATION

1985/CA/Professional Land Surveyor/5564

EDUCATION

1984/Coursework/Land Surveying/California State University, Long Beach

1976/Coursework/Land Surveying/Pasadena City College

EXPERIENCE

With Psomas for 17 years; with other firms for 29 years

Robert Salit has 46 years of professional land surveying experience, specializing in boundary determinations, deed analysis, topographic surveying, ALTA surveys, subdivision mapping, and Record of Surveys. As a Senior Project Surveyor with Psomas, Robert is responsible for planning and coordinating ALTA, design, and as-built, architectural, utility, topographic, and right-of-way surveys. He is responsible for processing field data using Inroads Fieldworks and creating maps in both MicroStation and AutoCAD, and creating legal descriptions. His mapping projects include transportation surveys, topographic surveys, ALTA surveys, and exhibit maps. Robert is familiar with Caltrans procedures and standards for Caltrans surveys. He has worked hand-in-hand with District 7 survey staff, as well as with Caltrans staff in other districts.

Experience

City of Los Angeles, Complete Streets Program (TOS 38) – Los Angeles, CA: Project Surveyor in support of the prime contractor for the PS&E preparation of the City's Complete Street Program intended to implement Vision Zero and green infrastructure elements and rehabilitate of 22 miles of roadway. Meticulous planning and management were needed to coordinate with multiple design teams, disciplines, and City departments to achieve the City's goals, objectives, and aggressive schedule.

Orange County Streetcar Project – Santa Ana, CA: Project Surveyor for a four-mile light rail project in the City of Santa Ana for right-of-way determination and topography for design purposes. Utilized aerial mapping, LiDAR and conventional surveying collection for the topographic mapping and street centerline and right-of-way monuments. Performed field data adjustments constrained to project provisionals and accuracy standards adhering to the laws of the Land Surveyors' Act and Subdivision Map Act.

I-405 Program Management – Orange County, CA: Project Surveyor for survey services in support of the Parsons Program Management team's 30% design plans for this 16-mile project. The project will add a general-purpose lane and two express lanes in each direction, improve all exits and entrances to the freeway, and upgrade over 19 bridges. As part of the PMC team, Psomas is responsible for establishing project controls, pre- and post-construction Records of Survey, legal descriptions and plats, appraisal maps, design and drainage surveys, and monument preservation. Robert's responsibilities as project surveyor have included survey control processing, boundary determination, land net surveys, appraisal mapping, preparation of pre-condition records of survey and writing legal descriptions for parcel acquisitions. (03/2014 to Present)

DARLENE YELLOWHAIR, PE, PTOE, RSP2I, ENV SP

Safety Analysis/Signal Timing – Psomas



REGISTRATION

2009/AZ/Professional Engineer/Civil/50215

2017/CA/Traffic Engineer/2827

2023/NV/Professional Engineer/Civil/031150

EDUCATION

2006/MS/Civil Engineering/Cornell University

2004/BS/Civil Engineering/University of Arizona

CERTIFICATIONS

Professional Traffic Operations Engineer/Transportation Professional Certification Board Inc./3123

LEED Accredited Professional/U.S. Green Building Council/

Road Safety Professional, Level 2 Infrastructure/Transportation Professional Certification Board Inc./123

PROFESSIONAL AFFILIATIONS

Institute of Transportation Engineers

American Society of Civil Engineers

EXPERIENCE

With Psomas for 19 years

Darlene has extensive experience with a variety of traffic engineering projects, including traffic impact studies, traffic reports, safety studies, signal warrant studies, corridor studies, signal timing and coordination, signing and striping design, and traffic signal design. She also has experience with design and studies for alternate modes of travel, Road Safety Assessments, transportation planning, and roadway design. Darlene is well-versed in Synchro, SimTraffic, HCS, SIDRA, and InRoads.

Experience

Glendale Boulevard/Hyperion Avenue Complex of Bridges Traffic Study – Los Angeles, CA: Traffic Engineer in the collection, compilation, and development of traffic studies for six bridges, including the Waverly Drive Bridge, that connect the communities of Atwater Village and Silver Lake. As the bridges cross the Los Angeles River, I-5 Freeway, and Riverside Drive, they provide vital links for the communities. The completed traffic studies consist of existing and future vehicular, pedestrian and bicycle volumes, speed, median barrier, operational analysis, pedestrian crosswalk, and cross-section alternatives. Psomas also provided a speed study, an analysis of potential median treatments, operational analyses of various alternatives, an evaluation of pedestrian crossing location and traffic control, and an assessment of cross-sectional elements.

2nd Street and Pacific Coast Highway Signal and ITS Design – Long Beach, CA: Traffic Engineer for providing preliminary engineering services for this 10-acre resort community area that features a mix of upscale lifestyle tenants, restaurants, entertainment, local shops, and a gourmet grocery. The scope of services included engineering planning, entitlements, EIR engineering support, and ALTA survey mapping.

Dana Point Town Center at Pacific Coast Highway and Del Prado – Dana Point, CA: Traffic Engineer for the Dana Point downtown revitalization project that converted the roadway at Pacific Coast Highway (PCH) and Del Prado from one-way to two-way. Psomas designed signal modifications for nine intersections in the Dana Point Town Center and conducted a planning-level analysis to provide all direct property access via alleys in the Town Center. The design enhanced the pedestrian experience by widening sidewalks while retaining on-street parking; reflects the unique coastal environment; and created stronger linkages to the natural features along the bluff and other destinations such as the Marina. The project required right-of-way improvements to return PCH to two-way operations, traffic signalization, striping and signing modifications,

ALIA HOKUKI, AICP

Environmental Planner – Psomas



EDUCATION

1996/MA/Masters of Urban and Regional Planning/University of California, Irvine

1991/BA/Development Studies/ University of California, Los Angeles

CERTIFICATIONS

American Institute of Certified Planners/No. 112796/American Planning Association/112796

PROFESSIONAL AFFILIATIONS

American Planning Association

Association of Environmental Professionals

EXPERIENCE

With Psomas for 10 years; with other firms for 20 years

Alia Hokuki, AICP, serves as a senior project manager of environmental planning projects. She has over 30 years of experience in the environmental and policy planning field with a focus on environmental impact assessments for public and private sector clients. Alia's experience includes the preparation and management of environmental compliance documents pursuant to the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA). She has managed a variety of projects, including land use and infrastructure projects (e.g., mixed-use, redevelopment infill, residential, commercial/retail, office, and institutional [education and healthcare]) projects. She has extensive knowledge of CEQA, NEPA, and planning and zoning law.

Experience

Stanton Town Center Specific Plan Subsequent Initial Study/Mitigated Negative Declaration to the 2008 General Plan Environmental Impact Report – Stanton, CA: Project Manager for an IS/MND for the City of Stanton as a subconsultant to KTGY. The City envisions an updated Specific Plan with a concept to identify potential development opportunities in light of the needs of the community. As part of the plan, the goal is to improve and maintain existing commercial and industrial areas, enhance Beach Boulevard, redevelop the City's Main Street, and allow for commercial/retail, mixed-use, and residential projects that would provide approximately 1,500 new single- and multi-family units.

West Alton Parcel Development Plan Environmental Impact Report – Irvine, CA: Project Manager for the West Alton Parcel Development Plan Project located in the City of Irvine. The project proposes development of multi-family residential units across two Planning Areas, separated by the West Alton Wildlife Movement Corridor, with an average density of 30 dwelling units per acre. Each Planning Area will include opportunities for future residential uses. The project will require approvals by the County of Orange, as the CEQA lead agency, as well as a General Plan Amendment and Zone Change through the City of Irvine.

Annandale Canyon Open Space Trail Access Improvements Project Initial Study/Mitigated Negative Declaration – Pasadena, CA: Project Manager for the preparation of an IS/MND for the Annandale Canyon Open Space Trail Access Improvements Project. The project will provide an open space area with accessibility to the public. The City-owned site consists of approximately 23 acres of undeveloped land in Annandale Canyon at the western edge of the City. The project is composed of several improvements to the site, which include a new trailhead at the end of Wierfield Drive, a trail, and an observation point on a hilltop of the San Rafael Hills.

SEAN NOONAN

Environmental Planner – Psomas



EDUCATION

2014/MS/Urban and Regional Planning/California State Polytechnic University, Pomona

2011/MA/Geography/California State University, Fullerton

2006/BA/History/University of California, Santa Barbara

PROFESSIONAL AFFILIATIONS

American Planning Association

Association of Environmental Professionals

EXPERIENCE

With Psomas for 7 years; with other firms for 8 years

Sean Noonan is an Environmental Planner and Project Manager with 15 years of experience preparing environmental documents pursuant to the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA). Sean is also experienced in coordinating with regulatory agencies to obtain regulatory permits, including the California Department of Fish and Wildlife, the Regional Water Quality Control Boards, the US Army Corps of Engineers, and the California Coastal Commission.

Experience

City of Los Angeles, Eastern Avenue Multi-Modal Transportation Improvement Project – Los Angeles, CA: Environmental Planner for the project approval and environmental document phase for this project, which proposes for this project, which proposes to re-envision 1.5 miles of Eastern Avenue as a multimodal corridor that is safe and accessible for pedestrian crossing, biking, mass transit, and general driving to employment, education, health care, parks, and recreational centers. The community engagement process consisted of project data updates via website, flyer creation and distribution, door to door business outreach, surveys, digital ads, email communications, two community meetings, and six focused community meetings. New project features include new signalized intersections, lighting upgrades, pedestrian safety crossing improvements, bicycle infrastructure, landscape elements, and upgrades to transit stops. Psomas prepared a Categorical Exemption Memorandum and coordinated with Caltrans District 7's Local Assistance to complete the Preliminary Environmental Study (PES) form and obtain a Categorical Exclusion for this project.

Carlsbad Veterans Park, Master Planning and Environmental Permitting Phase – Carlsbad, CA: Environmental Planner for preparation of an IS/MND for a new 91.5-acre park in the City of Carlsbad. The developable area of the site was 48 acres due to the presence of native vegetation preserves. Psomas provided civil engineering, environmental, and surveying services for the Project Master Planning Phase and environmental permitting to result in final design concepts and required permits and authorizations for improvements. Sean coordinated environmental technical studies and was the primary author of the IS/MND.

Newport Village Mixed-Use Development – Newport Beach, CA: Environmental Planner for this project, which involves demolishing existing structures and redeveloping the project site as a mixed-use development encompassing approximately 9.4 acres on the north and south sides of the West Coast Highway within the City of Newport Beach's Mariners' Mile corridor. The project consists of 14 residential condominium units on the South Parcel and 108 apartment units on the North Parcel and 128,640 SF of nonresidential floor area. The project also includes new publicly accessible waterfront promenade.

Arcadia Town Center Initial Study/Mitigated Negative Declaration – Arcadia, CA: Environmental Planner for preparation of an IS/MND on this project, which consists of 181 residential units and 13,130 SF of ground floor commercial uses. Given the location of this project in downtown Arcadia, this project involved a high level of coordination with the City and Applicant to develop a comprehensive description of how the project would be constructed, including details such as staging, contractor parking, excavation and temporary shoring methods, and utility relocation. Psomas also prepared technical analyses in support of this project, including a traffic study as well as air quality, greenhouse gas emissions, noise, and cultural analyses.

TOM KRIZENESKY, PE

Task 2, PS&E Final Engineering
Roadway/Complete Street – Psomas



REGISTRATION

2025/CA/Professional Engineer/Civil/98234

2005/WI/Professional Engineer/37815

EDUCATION

1996/BS/Civil and Environmental Engineering/University of Wisconsin, Madison

EXPERIENCE

With Psomas for 1 year; with other firms for 28 years

Tom Krizenesky brings over 28 years of robust experience in civil engineering, with a specialized focus on street and highway design and construction. His expertise spans the full lifecycle of transportation projects—from scoping and budgeting to design, construction, and post-construction evaluation. He has successfully designed and developed scopes, schedules, budgets for approximately 40 highway projects annually. His approach integrates life-cycle cost analysis, multimodal improvements, and long-range corridor planning, demonstrating a strategic mindset and commitment to sustainable and cost-effective solutions.

Tom's background also includes significant leadership in project management and team supervision. Having managed multiple design and construction projects concurrently, Tom led value engineering studies to enhance project efficiency, and coordinated with local officials to negotiate cost-sharing agreements and secure municipal support. His technical proficiency is complemented by hands-on experience in environmental documentation, public engagement, and conflict resolution with a variety of stakeholders.

Experience

US 151, WIS 26 North Interchange – Waupun, WI: Lead Designer for this conversion of an at grade intersection to a semi-directional interchange. This project included converting US 151 from a 2-lane highway to a 4-lane expressway. This project was part of the Madison to Fond du Lac US 151 corridor expansion. The project included six structures and 3 frontage roads.

US 51, Bridge Street Interchange – Wausau, WI: Resident Engineer for the Bridge Street Interchange project which was part of the US 51/ WIS 29 Wausau Corridor Reconstruction. The project included multiple bridges and retaining walls and 150,000 CY of rock excavation. The project required continual coordination with other projects on the Wausau Corridor and routine communication with the Wausau area news media.

IH 39, WIS 54 to North 2nd Street, VE Study –Stevens Point, WI: Study Lead for a Value Engineering study on 12-mile IH 39 in Stevens Point, WI. The VE study considered 20- and 40-year scenarios for rehabilitating the corridor and capacity needs. Tom developed the scope of the study, selected the team, managed the study and coordinated the Accept/Reject decisions of the study recommendations.

SUSAN HARDEN, FAICP, CNU-A

Community Outreach - CirclePoint



Susan J. Harden, FAICP, CNU-A, LEED AP, has a broad background in community development, engagement, and planning. For close to thirty years, she has built her career around community-based planning and visioning, striving to create a network of healthier, more livable communities. She has provided community engagement and planning services to public and private sector clients across the country. Her passion has always been and continues to be to directly involve communities in protecting and improving their physical, natural, and social environments.

EDUCATION

1998/M.E.P./Environmental/ Arizona State University

1993/B.A./ Architectural Studies/ University of Kansas

1993/B.A./Environmental Studies/University of Kansas

CERTIFICATIONS

1999/American Institute of Certified Planners (AICP)

2002/Certified Main Street Manager/ National Main Street Center

2005/Professional Certificate in Neighborhood Revitalization/ NeighborWorks America

2007/Certificate in Dialogue/ Deliberation and Public Engagement/Fielding University

2008/LEED Accredited Professional

2009/CNU-A/Congress for the New Urbanism

2018/Fellow, American Institute of Certified Planners (FAICP)

PROFESSIONAL AFFILIATIONS

Member, California Planning Roundtable

Board Member, Jamboree Housing

Member, American Planning Association

Member, Congress for

New Urbanism

Advisory Board Member, University of California Irvine Department of Planning & Public Policy

EXPERIENCE

With Circlepoint for 5; with other firms for 24 years

Experience

Laguna Canyon Road Complete Street & Safety Enhancement – Laguna Beach, CA: The City is seeking project approval and community consensus for proposed improvements to the regionally important Laguna Canyon Road/State Route 133 corridor, which include safety and multi-modal improvements to support bike/ped/transit use and increase throughput. Circlepoint is leading the outreach and engagement efforts to include community members, corridor users, and business/residential stakeholders in the process and support their concerns and priorities. Susan developed an Engagement Strategy to outline the approach and tactics for engaging with all key stakeholders and created fact sheet/webpage content to act as a primary community resource to share project. She facilitated several focused stakeholder dialogues, led door-to-door business outreach, and organized large-scale community workshops and open houses to solicit feedback on proposed design concepts.

La Paz Road Mobility Enhancements and Improvements – Laguna Niguel, CA: Laguna Niguel seeks to enhance mobility and make repairs on La Paz Road, a vital thoroughfare for the city that has been heavily impacted by a landslide in recent years. Circlepoint is coordinating public outreach, including multiple open house events, to gather vital feedback to ensure the ultimate design of these improvements brings about a scenic and sustainable roadway of which Laguna Niguel residents can be proud. Susan led the development of the outreach strategy, planning of engagement activities, and facilitated community conversations.

JONATHON WINSLOW

Community Outreach - CirclePoint



Jon is a well-rounded communications professional with more than 10 years of experience. Drawing on time spent as a journalist and at public relations and marketing agencies – where his clients included local non-profits, land trusts, commercial developers and international tech companies – Jon has a keen nose for news and sharp writing skills that allow him to clearly and concisely convey even the most complicated subject matter to stakeholders.

EDUCATION

2013/BA/Communications/ California State University, Fullerton

2013/BA/Philosophy/California State University, Fullerton

EXPERIENCE

With Circlepoint for 1; with other firms for 9 years

Experience

La Paz Road Mobility Enhancements and Improvements – Laguna Niguel, CA: Laguna Niguel seeks to enhance mobility and make repairs on La Paz Road, a vital thoroughfare for the city that has been heavily impacted by a landslide in recent years. Circlepoint is leading the public outreach, including multiple open house events, to gather vital feedback to ensure the ultimate design of these improvements brings about a scenic, safe and sustainable roadway of which Laguna Niguel residents can be proud. Jon is helping to coordinate public outreach efforts surrounding the repairs and enhancements.

Laguna Beach Facilities Master Plan – Laguna Beach, CA: The City of Laguna Beach is developing a Public Facilities Master Plan (FMP) that will both assess the current condition of the City's select facilities and ensure they are able to grow and thrive for the foreseeable future. Circlepoint is leading public outreach throughout the plan's development, which is currently in its final phase. Jon led coordination of a wave of activities focused on collecting input throughout the Laguna Beach community, including eight stakeholder meetings, three pop-up events and assisting with a three-hour town hall.

California State University, Northridge TDM Plan – Northridge, CA: The California State University, Northridge (CSUN) campus is leading a campus-wide Transportation Demand Management (TDM) Plan that will develop a new framework to identify and evaluate transportation strategies to reduce automobile trips, promote sustainable alternatives for the campus community, maximize the benefits of TDM programs, advance transportation justice and advance university-wide commitments to Diversity, Equity and Inclusion (DEI) and CSUN's Sustainability Policy. Circlepoint is leading community engagement throughout the project, which will include multiple on-campus events to gather community input as well as regular steering committee meetings. Jon actively coordinated these events, including pop-ups at the heart of campus to gather input from as many students as possible.

County Connection Corridor Study – Central Contra Costa County, CA: County Connection is conducting a corridor study with the goal of improving bus service on four key corridors in Central Contra Costa County: Clayton Road, Monument Boulevard, Treat Boulevard and Ygnacio Valley Road. Circlepoint is supporting community outreach on the project, securing input from riders who rely on these crucial bus lines. Jon is supporting the effort through creation and coordination of public outreach material, including a survey to collect public input and collateral material to raise awareness of the project.

SIMON STAHL

Community Outreach - CirclePoint



EDUCATION

2009/B.A./Multimedia Design and Computer Science/ Northwestern University

EXPERIENCE

With Circlepoint for 5; with other firms for 11 years

Simon excels at reading between the lines to understand the needs of the client, interpret their vision, and create an efficient plan to implement effective design solutions. He ensures the team produces top-quality work while meeting deadlines and staying under budget. Simon always brings a flexible spirit of productive collaboration, making helpful recommendations based on established best principles and facilitating client edits to ensure that comments are meaningfully addressed. He guides the process from concept to production and delivery, providing the benefit of his broad expertise at every stage. With a background in photography, video, and animation production, he has keen instincts for visual storytelling and forging a strong connection with the audience.

Experience

Laguna Canyon Road Complete Street & Safety Enhancement – Laguna Beach, CA: The City of Laguna Beach (City) is seeking project approval and community consensus for proposed improvements to the regionally important Laguna Canyon Road/State Route 133 corridor, which include safety and multi-modal improvements to support bike/ped/transit use and increase throughput. Circlepoint is leading the outreach and engagement efforts to include community members, corridor users, and business/ residential stakeholders in the process and support their concerns and priorities. We developed an Engagement Strategy to outline the approach and tactics for engaging with all key stakeholders and created fact sheet/webpage content to act as a primary community resource to share project. Efforts will include several public community meetings, small stakeholder meetings, door-to-door outreach, and pop-ups, to foster trust and encourage collaboration towards a Laguna Canyon Road corridor that works for everyone. Simon developed the brand identity for the project as well as a suite of templates, print and digital collateral items, and event materials.

Facilities Master Plan – Laguna Beach, CA: The Laguna Beach City Council identified a Facilities Master Plan as one of the City's priorities in 2023. The Facilities Master Plan aims to provide the City with information regarding current and future facility needs and establish a framework for the orderly growth of City services, administration, and community programs. Circlepoint is assessing the City's public facilities/buildings, such as libraries, fire stations, recreation centers, cultural centers, and more to plan for future needs based on community input. Circlepoint will prepare a comprehensive communications and engagement plan for the master plan process. The Plan will include engagement goals, key audiences/stakeholder analysis, proposed communications tools & engagement activities, responsibilities, and schedule. A community working group will be formed, with a variety of stakeholder interests, and will meet periodically to provide direction. Circlepoint will facilitate user group meetings & pop-up activities, host and develop a project website, and provide online survey opportunities. Simon is leading creative direction for all outreach materials, including a unique project brand and the project website.

Harvard Avenue Complete Streets & Safety Improvements – Irvine, CA: The City of Irvine is planning improvements on Harvard Avenue, to enhance safety, improve circulation with multi-modal improvements to support bike/ped use and improve trail connectivity. Circlepoint developed a Public Outreach Plan detailing the strategy and tools for engaging key stakeholders throughout the project. We developed a project fact sheet

RYAN BOOTH, PLA

Landscape Architecture – Alta Planning + Design



REGISTRATION

2022/CA/Professional Landscape Architect/#6765

EDUCATION

2009/BS/Landscape Architecture/The Ohio State University

PROFESSIONAL AFFILIATIONS

Member, American Society of Landscape Architects, Northern California Chapter

EXPERIENCE

With Alta for 8; with other firms for 8 years

Ryan draws on 16 years of multidisciplinary consulting practice to plan, design and build active transportation facilities that move people. He excels at developing innovative design strategies, handling project details, and leading teams. Ryan's well-rounded understanding of transportation, landscape architecture, and placemaking brings a multi-benefit lens to his project work. He has served as the design lead for many of Alta's most innovative and complex trail corridors in California. His experience bicycling in cities across the country embodies for him the power that car-free spaces can play in connecting people to places. The opportunity to design trail experiences full of meaning and joy drives him as a professional.

Experience

CV Link Multi-Use Path – Coachella Valley, CA: This innovative multimodal facility connects nine cities and is nearly 80 miles long. Alta designed on-street Class IV cycle tracks as well as off-street Class I paths. The project included curb ramp designs, pathway grading, drainage improvements, signal improvements, wayfinding, and signage and striping plans. Ryan was part of the design team, contributing to the delivery of concept design through contract documents. Ryan was also part of the design team supporting the project during construction; providing innovative solutions to technical challenges that came to light as the contractor was building the project out.

Pershing Bikeway | North Park to Downtown Connector – San Diego, CA: Alta provided planning, traffic engineering, and landscape architecture design services for the Pershing Bikeway project that connects San Diego's North Park neighborhood to Downtown. Key features of this separated bikeway project include diagonal bikeway crossing, a roundabout, bio-swales, street trees, and native landscape plantings. As the Engineer and Landscape Architect of Record for the final design, Alta developed the PS&E for signing, striping, signal, and landscape plans. Ryan supported landscape design on the project.

OCTA OC Connect Shared Use Path – Orange County, CA: Alta is leading a project team in the preliminary design and environmental documentation of a 3+ mile urban shared use path through the communities of Garden Grove and Santa Ana. This project aims to connect multiple bikeways of the OC Loop throughout Orange County by utilizing the former Pacific Electric Railway corridor. The OC Connect project will also run in parallel to the OC Streetcar to create opportunities for transit connections and first-last-mile solutions. Ryan is supporting this project as the Assistant Project Manager and design lead.

KATHLEEN MCKERNIN, PLA

Landscape Architecture – Alta Planning + Design



REGISTRATION

2010/CA/Professional Landscape Architect/#5630

EDUCATION

BFA/Fine Arts/University of Illinois

Certificate of Completion in Landscape Architecture, iGraphics and Industrial Design, UCLA Extension

EXPERIENCE

With Alta for 3; with other firms for 11 years

Kathleen is a licensed Landscape Architect with over a decade of experience working with public entities to create shared spaces in Los Angeles. She focuses on using design as a collaborative problem-solving tool and approaches every project with environmental stewardship and low-impact development strategies at the forefront. Kathleen has in-depth experience with stormwater capture projects, both large-scale and small, from subsurface retention basins that are used for irrigation to parkway bioretention swales in public spaces and private residential areas.

Experience

Merced Avenue Greenway (Phase I & II) – South El Monte, CA: The Merced Avenue Greenway project addresses environmental health issues such as extreme heat, stormwater contamination, gaps in the active transportation network, and speeding on overly wide streets. This 1.5-mile segment of Merced Avenue runs between Whittier Narrows Recreation Area to the south and the city boundary to the north. Alta led the landscape design, signage, and striping, and supported community outreach on this project, taking the project from conceptual design to construction. The project includes a raised cycle track, stormwater capture in planted areas, traffic calming measures, and improved pedestrian crossings to enhance safety. Kathleen is working as the Project Manager.

Merced Avenue Linear Park– El Monte, CA: Alta is designing a linear park, bike path, and walking path in a new median on a wide two-lane residential street to help calm traffic, prevent speeding (common on the street), capture and clean stormwater, allow residents to recreate and relax with benches, picnic areas, fitness equipment, and play areas, and add much-needed park space to the community. The project includes a promotional video and flythrough animation, as well as public outreach in-person, virtually, via mailers, and text banking. Kathleen is serving as a Design Associate, managing the construction documentation phase and submittal requirements of the project.

Pershing Bikeway | North Park to Downtown Connector – San Diego, CA: Alta provided planning, traffic engineering, and landscape architecture design services for the Pershing Bikeway project that connects San Diego's North Park neighborhood to Downtown. Key features of this separated bikeway project include diagonal bikeway crossing, a roundabout, bio-swales, street trees, and native landscape plantings. As the Engineer and Landscape Architect of Record for the final design, Alta developed the PS&E for signing, striping, signal, and landscape plans. Kathleen served as Landscape Design Lead on the project

ROGER W. SCHLIERKAMP, MSC, PE

Pavement Manager – GMU



REGISTRATION

2010/CA/Registered Civil Engineer/C81529

EDUCATION

MS/Civil Engineering/Pavement/Materials Engineering

BS/Civil Engineering/University of Nevada, Reno

EXPERIENCE

With GMU for 11; with other firms for 4 years

Roger Schlierkamp leads GMU's comprehensive range of pavement engineering services, including pavement evaluations/designs, PS&E development, construction management, observation and testing, mix design development, and pavement management planning. His full-circle knowledge allows him to develop innovative, practical, and cost-effective solutions for pavement challenges.

He shares his experience and knowledge in both workshop and classroom settings, having previously taught "Construction Materials and Testing" at Santiago Canyon College. His active role in the Greenbook Committee also underscores his influence in shaping pavement construction specifications embraced by numerous agencies and projects across Southern California.

Experience

Annual Street Resurfacing Projects – San Fernando, CA: Oversaw the pavement evaluation, design, preparation of plans/specifications, and construction-support services for City of San Fernando's Phase 1, Phase 2, and Phase 3 Street Resurfacing Projects. Each phase reflects a separate annual project and generally involves localized repairs and a combination of surface treatments, including micro-surfacing, chip sealing, and slurry sealing. Upon completing the Phase 3 project, approximately 75 percent of the city's roadway network was resurfaced.

Main Street from E 228th Street to E Lomita Boulevard – Carson, CA: Pavement design engineer performing and overseeing the pavement evaluation of Main Street, including corings, laboratory testing, and analysis.

Brookhurst Street from Ball Road to La Palma Avenue – Anaheim, CA: Pavement design engineer performing and overseeing the pavement evaluation of Brookhurst Street, including corings, laboratory testing, and analysis. The existing roadway exhibited primarily aging-related distress types. Pavement improvement strategy recommendations were developed to limit reflective cracking propagation.

South Serrano Ave from Nohl Ranch Road to South Weir Canyon Road Pavement Evaluation Project – Anaheim, CA: Pavement design engineer overseeing the evaluation of this roadway segment, including pavement surface condition assessment, corings, falling weight deflectometer testing, laboratory testing, analysis, and development of pavement rehabilitation recommendations.

AMINA MANNAN, PhD, PE

Pavement Support – GMU



EDUCATION

PhD/(Pavement/Materials Engineering)/University of New Mexico

MS/Civil Engineering/University of Akron, Akron, OH

BS/Civil Engineering/Bangladesh University of Engineering and Technology, Dhaka Bangladesh

EXPERIENCE

With GMU for 11 years; with other firms for 6 years

Amina is a highly experienced senior pavement and geotechnical engineer with 14 years of experience in pavement engineering and 5 years of experience in geotechnical engineering projects. Her expertise includes pavement condition assessment, material testing, pavement evaluation/design, pavement condition index, specification development, and mix design development projects. In addition, she has experience in geotechnical engineering, such as site investigation, geotechnical analysis and design, foundation design, slope stability analysis, construction monitoring, and risk assessment. Amina has had the privilege of collaborating with state and local agencies, private sector clients, and civil engineering firms, and has previously worked with several state agencies (e.g., NMDOT, FDOT, and TxDOT) on pavement and geotechnical projects. Her unique proficiency in both pavement and geotechnical engineering enables her to provide her clients with high-quality, cost-effective, and reliable solutions.

Experience

Citywide Pavement Management Plan Updates – Newport Beach, CA: Managed the on-going, citywide pavement management plan study consisting of 205 centerline miles of streets to comply with OCTA Measure M2 funding requirements.

2024 Citywide Pavement Management Plan Updates – Laguna Niguel, CA: Pavement condition index (PCI) assessment of all city-maintained streets consisting of a total of approximately 141.5 centerline miles of streets and budget scenario analysis to help optimize the City's pavement maintenance and rehabilitation schedule and budget (approximately $2M per year typically).

2024 Citywide Pavement Management Plan Update – San Fernando, CA: Managed the City's pavement management plan study consisting of 50 centerline miles of streets to comply with Los Angeles County Transportation Authority (METRO) pavement management requirements.

2024 Citywide Pavement Management Plan Update – Hermosa Beach, CA: Managed the City's pavement management plan study consisting of 48 centerline miles of streets to comply with Los Angeles County Transportation Authority (METRO) pavement management requirements.

Groves at Orchard Hills Homeowners Association, Pavement Management Plan Update 2024 – Irvine, CA: Updated the pavement management inventory and performed pavement management plan updates in 2024.

MICHEL EL SEBAALY, MSc, EIT

Pavement Support - GMU



EDUCATION

MS/Civil Engineering(Pavement/ Materials Engineering)/ University of Nevada, Reno

BSc/Civil Engineering/University of Balamand/Koura, Lebanon

EXPERIENCE

With GMU for 2 years; with other firms for 13 years

Michel has been involved in a wide variety of projects that are related to pavement designs, laboratory testing, data analysis, pavement rehabilitation and preservation. Michel's his current work includes supporting a wide-range of pavement construction projects for multiple Cities and private communities, and pavement engineering projects, including pavement evaluations, pavement field explorations, proposals and cost estimates preparation, and network-level pavement management plans.

Experience

2022 Zone F Slurry Seal Project – Lake Forest, CA: Periodic observation, sampling and testing services of asphalt concrete and slurry seal to verify the tested materials meet the project requirements.

Mariners Elementary School – Newport Beach, CA: Providing construction observation, testing, and construction management advisory services to support the project through the end of the construction period.

Lake Forest Drive, El Toro Road, and Bake Parkway Pavement Improvement Project – Lake Forest, CA: Performed pavement evaluation consisting of pavement coring, Falling Weight Deflectometer (FWD) testing and analysis, surface condition assessment, laboratory testing, analysis, and development of pavement rehabilitation repair recommendations.

Newport Boulevard and Balboa Boulevard Pavement Improvement Project – Newport Beach, CA: Performed pavement evaluation consisting of pavement coring, Falling Weight Deflectometer (FWD) testing and analysis, surface condition assessment, laboratory testing, analysis, and development of pavement rehabilitation repair recommendations.

Pavement Improvement Project, Ocean Heights HOA – Newport Beach, CA: Performed pavement surface condition assessments of various streets throughout the HOA, prioritized streets for maintenance/repair, recommended maintenance/repair strategies, reviewed/ developed pavement-related specifications, oversaw quality assurance observation/testing services during construction phase.

Comparable Contracts

Start Date	Completion Date	Client	Owner	Project Manager	Project Name	Scope of Work/Project Description
2024	2025	Tranzito	City of Los Angeles	Andrew Nickerson	Sidewalk and Transit Amenities Program (STAP)	Psomas is in the process of providing detailed civil engineering design services at 300 transit stop locations through the Sidewalk and Transit Amenities Program to StreetsLA through Tranzito. The program provides shelter, shade, safety, and comfort with amenities that support an increased use of transit and alternative transportation, and the shared use of City sidewalks.
2024	2025	City of Irvine	City of Irvine	Arief Naftali	Culver Drive/Orchard Hills Drive Protected Bike Lanes - CIP 312401	As part of the City of Irvine's 2024 On-Call Project Management and Construction Management Program, Psomas is providing comprehensive oversight for the Culver Drive/Orchard Hills Drive Protected Bike Lanes project (CIP 312401). This initiative introduces a 2.2-mile Class IV protected bikeways along key corridors to enhance cyclist safety, improve multimodal connectivity, and support Irvine's sustainability and mobility goals. The project introduced 6 to 8-foot wide protected bike lane (Class IV) along Culver Drive which turns into Orchard Hills, from and to Portola Parkway forming a upside-down "U" shaped loop in the City of Irvine, California. Protected bike lane facility provides safer passage for bicyclists to reach residential neighborhood, including the Orchard Hills School with frontage to the corridor. Improvements also included non-mountable curb barrier between the protected bike lane and vehicular travel lanes, grind and overlay as well as general asphalt resurfacing. Psomas' Scope of Work encompassed the development of concept geometric and layout, cross-sectional space planning, utility coordination, mapping, plans, specifications and estimates through reviews and draft-to-final milestone approvals. Under the overall On-Call contract to the City of Irvine, which has been in placed since 2023, Psomas delivers end-to-end project management services, including traffic engineering coordination, constructability reviews, and risk management for the design and construction phases. Our team ensures compliance with City standards and environmental regulations while managing contractor activities such as bid analysis, change order review, and labor compliance monitoring. By integrating protected bike lanes into Irvine's transportation network, Psomas helps the City advance its vision for safer streets and active transportation, providing reliable oversight from planning through construction.
2024	Ongoing	Hazen & Sawyer	City of Lomita	Arief Naftali	Downtown Lomita Multi-Benefit Stormwater Project	As part of the Downtown Multi-Benefit Stormwater project, Psomas provides conceptual and final design services for the establishment of buffered bicycle lanes along Lomita Boulevard between Lucille Avenue and Woodward Avenue, a distance of approximately 1,100 feet. Lomita Boulevard is a primary arterial street through the City with three lanes in each direction with on-street parking on both sides of the street. The City seeks to leverage the planned storm drain improvements to also improve mobility for all modes along this critical arterial facility by accommodating cyclists and upgrading paths of travel. Buffered 8.5-foot bike lanes while preserving on-street parking spaces are being proposed along with "green" shaded markings and accessible parking spaces. Scope of services being provided included concept, signing-striping plans, engineer's estimates and technical provisions/specifications. Psomas performed significant stakeholder coordination and presentation to obtain concurrence of the Conceptuals prior to proceeding with final design.
2024	2025	City of Irvine	City of Irvine	Gary Warkentin	Venta Spur Trail/JOST Pedestrian and Bicycle Bridge Project Report and Environmental Document	Psomas prepared the Project Report (PR) to identify a preferred trail alignment and bridge type for a proposed pedestrian and bicycle bridge that would connect the existing Venta Spur Trail west of Jeffrey Road to the existing Jeffrey Open Space Trail (JOST) located east of Jeffrey Road for the City of Irvine. The proposed bridge would cross over Jeffrey Road south of the Irvine Boulevard intersection and north of the Bryan Avenue intersection. The Project Report documents the existing project setting, design opportunities and constraints, alternative trail alignments, cost estimates, and a comparative analysis that was used in identifying the preferred alignment for the preliminary design and environmental phase of the project. Psomas' work program also included the preparation of environmental documents for environmental clearance under CEQA and NEPA. Design tasks included new aerial topographic mapping, title reports and right-of-way mapping, utility contacts, alternative bridge types and locations, a preliminary geotechnical report, and development and evaluation of four alternative trail alignments. Environmental tasks included preparation of a Phase 1 Initial Site Assessment (ISA), an Aerially Deposited Lead investigation, a tree location survey, and a construction temporary noise assessment.
2023	2025	WSP USA Inc.	City of Los Angeles	Andrew Nickerson	Huntington Drive Multi-Modal Improvement Project	As part of the SR-710 North Mobility Improvement Program, the City of Los Angeles Bureau of Engineering, in partnership with Council District 14, is proposing to improve the mobility, safety, operational performance, and urban quality of a four-mile section of Huntington Drive and North Mission Road. This corridor stretches between Lincoln Heights and El Sereno from the North Main Street/North Mission Road intersection to the Kendall Avenue/Alhambra Road intersection at the northern city limits, adjacent to the City of Alhambra and City of South Pasadena. The vision of the project is to transform Huntington Drive into a community hub with a sense of place, providing residents and visitors with inviting sidewalks, a safe roadway, attractive bicycle facilities, reliable transit service, a thriving local economy, and community gathering spaces. This project will not only reshape Huntington Drive into a high-quality regional mobility corridor, but also improve it for all modes of transportation, including motor vehicles, buses, bicycles, and pedestrians. The project will enhance access to commercial businesses, residential neighborhoods, educational facilities, healthcare facilities, recreational centers, and industrial properties, and better connect various eastside communities to downtown Los Angeles.

Comparable Contracts

2023	2024	City of Eastvale	City of Eastvale	Arief Naftali	Cantu-Galleano/River Road Archibald Medians	Psomas provides engineering design services for the construction of new and extended raised medians at various locations in the City of Eastvale. They are located along: Cantu-Galleano Ranch Road between Hamner Ave and Goodman Road. Cantu-Galleano Ranch Road is a major arterial roadway with a posted speed limit of 50-mph. It consists of a six-lane facility with double left-turn lanes by Hamner Avenue and a single left-turn lane at Goodman Road. Despite the road's relatively flat terrain, the crown of the roadbed is positioned in the middle of the road, which is where the raised median is proposed. River Road-Archibald Avenue between Baron Drive and River Road-Kendra Lane. River Road is a four-lane arterial that turns into a six-lane facility as it transitions as Archibald Avenue. In order to improve safety, the City intends to eliminate northbound 150 feet left-turn lane onto Baron Drive and compensate that space by lengthening the existing left-turn that is available at Archibald Avenue/River Road-Kendra Lane for a combo U-turn and left-turn movements instead. Raised median is also being extended further south onto the Riverside County area. Archibald Avenue between Corbin Drive-Prado Basin Park Road stretching approximately 900 feet north. The intent is to construct curb median that extends the existing landscaped raised median southerly, up to the signalized intersection to increase access safety to and from the Vantage Point Church site where more than 1,800 patrons attend weekend services. Psomas' scope of services involve the preparation of plans, specifications and estimates for the new raised medians mentioned earlier, and perform the necessary coordination with City's staff. Layout was introduced as preliminary design before final design got underway. New raised medians are proposed as part of safety improvement initiatives due to recent crashes at the aforementioned sites.
2023	2025	Iteris Inc.	City of Rancho Palos Verdes	Arief Naftali	Western Avenue Traffic Flow Improvements	To reduce congestion, delay, and improve travel time on its Western Avenue corridor, State Route (SR) 213, the City of Rancho Palos Verdes retained the Iteris-Psomas team to conduct inventory, and studies to evaluate various traffic, ITS, and associated improvements to do just that. As a subconsultant to Iteris, Psomas provided technical support in performing ITS field inventory, peer review of traffic and congestion flow studies, and led the development of Concept of Operations and Scoping Documents for the eventual implementation of an adaptive system along Western Avenue across 13 intersections; from Palos Verdes North to Weymouth Place. Psomas' scope of services included monthly and weekly meetings with the Project Development Team consisting of Caltrans District 7, representatives of the City of Lomita, Rancho Palos Verdes, and Transtech, who managed the project on behalf of the City of Rancho Palos Verdes. The development of the Concept of Operations and Scoping documents involved informal inquiries and interviews with multiple technology vendors. The evaluation, which is expected to continue at the final design phase, examined firmware and hardware compatibilities, scalability, operation, maintenance, warranty, and other associated deployment considerations.
2023	2025	City of Rialto	City of Rialto	Arief Naftali	Boyd Elementary School Safe Routes to School	Psomas provided engineering design services to implement Safe Routes to School (SRTS) improvements around Boyd Elementary School, located on the northeast corner of Sycamore Avenue and Merrill Avenue in the City of Rialto. These improvements included: Approximately one mile of new sidewalk and ADA-compliant driveways along four residential roadways across over 80 private properties with consideration of unique edge conditions at each School signage near the South Street/Sycamore Avenue intersection, near the Joyce Avenue/Merrill Avenue intersection, and along Merrill Avenue in multiple locations Merrill Avenue – School signage and speed feedback signs New traffic signal at the Merrill Avenue/Sycamore Avenue intersection Water quality infiltration trenches
2023	2025	WSP USA Inc.	City of Los Angeles	Andrew Nickerson	Connecting Canoga Park Grant Application and PA&ED	Psomas provided the oversight of comprehensive planning and feasibility studies to document existing conditions and design solutions for active transportation improvements in sidewalk areas. Responsibilities included conducting assessments to verify compliance with local, state, and federal regulations. The team led by WSP completed 30% design and environmental clearance for this City of Los Angeles project to improve pedestrian and bicyclist experience within the Canoga Park community. StreetsLA proposes to implement improvements that are intended to provide more accessible and safer pedestrian and bicycle infrastructure for community members, many of whom rely on walking, biking and public transit as their main means of transportation. The Connecting Canoga Park Project will improve seven miles of streets in the west San Fernando Valley area of Los Angeles, California. This complete streets project will include sidewalk gap closures, accessible curb ramps, protected bicycle lanes (Class IV and cycle track), bicycle routes (Class III bike facilities), roadway lane changes, traffic calming improvements and urban cooling features. The team prepared environmental assessments to satisfy CEQA and NEPA clearances and the studies performed included traffic, parking, biological, cultural, hazardous materials, noise, visual as well as water quality. These studies helped to inform the improvement designs. The 30% preliminary designs for bus stops along the proposed protected bike lanes along Sherman Way were coordinated with StreetsLA, LA Metro and LADOT. Cost estimates were developed for the updated 30% design plans.
2022	2024	MGE Engineering Inc.	City of Los Angeles	Andrew Nickerson	StreetsLA Program TOS 702 Curb Ramp Improvements Program (CRIP)	Psomas provided ramp design services to StreetsLA which included design survey services of over 500 ramp locations and more than 150 3D ramp designs to obtain accessibility compliance. The scope of work included reconstruction of inaccessible and damaged pedestrian facilities within the City's public right-of-way to confirm they were compliant pursuant to disabled access regulations and usable for all pedestrians. Our ramp design solutions were consistent with the 2010 ADA Standards for Accessible Design and the CBC, BOE Street Design Manual, BOE CAD Standards, BOE Standard Plans, the Greenbook, the Brownbook, and the Public Right-of-Way Accessibility Guidelines. The design included the following thematic challenges: Narrow parkways created challenging design solutions because of horizontal constraints and vertical grade transitions. Coordination with private property owners was required in some locations. Matching existing grade at private driveways and wall footings is required. Chasing grade into private properties often cannot be prevented. In those cases Psomas coordinated with the property owner to explain the circumstance and request a Right to Enter and construct minor work within their private property. Street slopes, either too steep or too flat created challenges. When the longitudinal or street crown slopes were too steep or too flat, achieving ADA compliance while providing proper drainage required more extensive design. Utility obstructions and existing trees created additional constraints. Additionally, other sister City departments or external agencies became involved. If not carefully considered, utility coordination can become prohibitively slow and expensive.

Comparable Contracts

2022	2023	Geosyntec Consultants Inc.	City of Los Angeles	Andrew Nickerson	Sepulveda Basin Vision Plan	The project provides a high-quality Vision Plan for the Sepulveda Basin, consisting of at least 40 potential projects within the approximately 2,000-acre property. The Vision Plan established long-term park programming needs, created a vision for the community, and proposed to enlarge the footprint of the Los Angeles River and its tributaries within the Basin. A hallmark of the vision was to restore hydrologic function through naturalized restoration using the most advanced science and creativity while addressing regulatory compliance. The Plan includes coordination with Tribal Representatives toward incorporating the principles of Traditional Ecological Knowledge (TEK). Psomas provided Civil Engineering and Environmental consulting services supporting the vision plan. PsomasSurvey reviewed the project's needs in conjunction with the existing lease agreements with the US Army Corps of Engineers. In addition to the technical services, Psomas provided non-technical input to the vision plan and support during community outreach events.
2022	2023	City of Irvine	City of Irvine	Nam Nguyen	Ridge Valley Signing and Striping	Psomas provided engineering services to develop signing/striping enhancements for a bike lane, bike buffer, and green paint on Ridge Valley from Irvine Boulevard to Marine Way, Culver Drive from Portola Parkway to the I-5, and Walnut Avenue to Irvine Center Drive. The team performed a field visit to verify the existing condition of signs and striping of roadway corridor limits, along with as-builts from the City Street Improvement Plans GIS map. The plan was developed in accordance with Section 400 of the City's design guidelines and/or the latest editions of the California Manual on Uniform Traffic Control Devices (CA MUTCD). Signing and striping plans will also consider design elements from Irvine's Local Roadway Safety Plan and Irvine Strategic Active Transportation Plan.
2022	2024	City of Irvine	City of Irvine	Nam Nguyen	Great Park Existing Streetlights Field Inventory	Psomas conducted a field survey and assessment of the existing lighting and appurtenant infrastructure surrounding the Great Park area that included Skyhawk from Great Park Boulevard to Marine Way, Great Park Boulevard from Bosque to East (South) terminus of Great Park Boulevard, Phantom from Hornet to Ridge Valley and Corsair from Ridge Valley to the easterly roadway knuckle. Psomas prepared a brief memorandum with improvement recommendations for the existing street light infrastructures in accordance with Section 103 of the City's Design Guidelines, series-to-multiple circuit conversion with proposed wiring diagrams, and other modifications to appurtenant equipment.
2022	2023	City of Laguna Niguel	City of Laguna Niguel	Arief Naftali	City of Laguna Niguel Crown Valley Parkway Westbound Widening	Psomas prepared the Plans, Specifications, and Estimates (PS&E) to widen the north side of Crown Valley Parkway to provide one additional westbound through lane between the I-5 southbound off-ramp and approximately 100 feet west of the Oso Creek Channel Bridge. This required widening the Crown Valley Overhead (OH) bridge over the Metrolink railroad and Camino Capistrano and widening the Oso Creek Channel Bridge. Additional improvements included widening Forbes Road to provide dual left turn lanes in the northbound and southbound directions, adding a raised median on Crown Valley Parkway east of Forbes Road, constructing a new retaining wall between the Forbes Road intersection and the Crown Valley OH bridge, pavement rehabilitation on Crown Valley from the I-5 southbound off-ramp to Cabot Road, significant utility relocations, and right-of-way acquisition from four properties. A license agreement and construction and maintenance agreement were also required for improvements associated with the bridge widening over the Metrolink railroad.
2022	2025	Hanover Company The Hanover Company	City of Laguna Niguel	Arief Naftali	Oso Creek Pedestrian Bridge and Trail Extension	Psomas completed design plans to extend the existing Oso Creek Trail to the south by approximately 800 feet and to construct a new prefabricated pedestrian bridge over Oso Creek. Services included field topographic survey, environmental review, civil and structural design, signage, and water quality documentation and design. This project provides a vital link between the existing Oso Creek Trail and the City of Laguna Niguel's planned extension to the south, as it provides a crossing from the east side of Oso Creek to the west side. As a condition of development for Hanover Company, the plans were permitted by the City's Public Works and Building and Safety Departments, as well as Orange County Public Works. Psomas coordinated with the County and City to assist in the development of a Maintenance and Use agreement to allow the City to operate and maintain the trail improvements on OCPW property.
2022	2024	City of Torrance	City of Torrance	Arief Naftali	PCH and Crenshaw Boulevard Intersection Improvements T-143	The intersection of Pacific Coast Highway (PCH) and Crenshaw Boulevard experiences significant traffic congestion and operates at Level of Service (LOS) F, considered the worst LOS. This congestion has negatively impacted the City of Torrance for several years, causing vehicle delays and air and noise pollution. These negative impacts not only affect Torrance, but also other regions in the South Bay—this intersection serves as a commuting gateway to the Peninsula cities (Palos Verdes Estates, Rancho Palos Verdes, Rolling Hills, and Rolling Hills Estates) and other surrounding cities. In addition, numerous large businesses that serve the South Bay are also located at and around this intersection, further necessitating intersection improvements. This project will improve the LOS and operations at the intersection of Pacific Coast Highway (PCH) and Crenshaw Boulevard, which is owned and operated by the State of California Department of Transportation (Caltrans), through right-of-way acquisition, roadway widening, capacity enhancements, signal upgrades, and pedestrian and bicycle enhancements. The City of Torrance Public Works Department is requesting proposals from qualified firms to prepare a Project Study Report – Project Development Support (PSR-PDS) document for the Pacific Coast Highway at Crenshaw Boulevard Intersection Improvement, T-143. This report will be used to determine costs, schedules, right-of-way needs, and additional documentation needed to request funding to complete the design and construction. Caltrans, as the owner and operator, is acting in an Oversight capacity for this project. The City has received a grant for preparation of this PSR-PDS in the amount of $400,000 from Measure R South Bay Highway Program Funds through Funding Agreement #MOU.MR312.63 with the Metropolitan Transportation Authority (Metro).

Comparable Contracts

2022	2025	City of Inglewood	City of Inglewood	Andrew Nickerson	Crenshaw Boulevard Transportation Improvement Project	The approximately 2.95 miles long Inglewood Crenshaw Boulevard Transportation Improvement Project provides infrastructure improvements, including street improvements to increase safety and mobility and pedestrian improvements, transit accessibility improvements, traffic signal modifications, upgrades, streetscape improvements and landscaping, and other traffic safety enhancements. The project intends to increase connectivity to significant destinations and transit ridership; and improve access to employment centers, educational facilities, healthcare facilities, parks, and recreational centers. Tasks include: Implement intersection improvements (e.g., curb extensions, ADA curb ramps, new pedestrian lighting) Install bus shelters and signage Plant new trees Provide maintenance of existing infrastructure (e.g., repair sidewalks, repave/repair roadways, and construct new medians) Further, the project will comply with all applicable design requirements, which would promote compatibility with the existing setting. Psomas' Certified Arborist assessed the condition of all trees in the public right-of-way and prepared an inventory report detailing the condition. The Arborist coordinated closely with the engineering design team and the landscape architect to provide recommendations for trees to remove or retain, guidelines to protect trees during construction, locations for additional tree planting, and selections for site-appropriate species.
2022	2024	City of Irvine	City of Irvine	Arief Naftali	Barranca Parkway/Corporate Park Traffic Signal Modification	Due to a recent collision, Psomas evaluated the existing condition and developed the traffic signal modification at Barranca Parkway and Corporate Park. The Psomas team performed field investigation, developed a punch list, coordinated with City staff, generated the illumination analysis, and furnished a Traffic Signal Modification plan that is consistent with the City's standards and specifications (Section 103 and 104). Psomas' survey team also performed the Subsurface Utility Exploration (SUE) to identify the locations of existing underground utilities at this intersection.
2022	2024	NCM Engineering Corporation - A Gannett Fleming TranSystems Company	Riverside County	Ryan Lynch	Temescal Canyon Road Widening - Drainage and Storm Drain Systems	The Temescal Canyon Road Widening project, located in Corona/Lake Elsinore, CA, exemplifies Psomas' commitment to delivering quality engineering solutions, particularly in the realm of drainage and storm drain systems. This project was designed to meet regional transportation needs through comprehensive roadway improvements, including pavement reconstruction, intersection configurations, and the installation of drainage facilities. Psomas' scope of work on this project was extensive, encompassing preliminary and final drainage and roadway engineering, traffic studies, and environmental documentation. The firm also provided right-of-way engineering, bid and construction support, and public relations services. The drainage component of the project was particularly critical, as it involved designing and implementing systems to manage stormwater effectively, supporting the roadway's longevity and safety. The project team focused on integrating advanced hydrological and hydraulic analyses to design drainage solutions that would efficiently handle the area's stormwater. This included the construction of retaining walls and other structures to manage water flow and prevent erosion, thereby enhancing the road's structural integrity. Through this project, Psomas demonstrated its skilled approach to civil engineering challenges, delivering solutions that not only meet but exceed client expectations. The firm's endeavor to provide quality engineering services is evident in the successful execution of the Temescal Canyon Road Widening project, which stands as a testament to its expertise in drainage and storm drain systems
2022	2022	City of Laguna Niguel	City of Laguna Niguel	Arief Naftali	La Paz Road Landslide Evaluation	The City of Laguna Niguel retained Psomas and our geotechnical engineering subconsultant to conduct an engineering study along La Paz Road between Rancho Niguel Road and Kings Road. The study assessed the recent, sudden earth movement of the westerly slope that damaged the roadway causing the number two southbound lane to be closed to traffic. The geotechnical analysis included multiple repair scenarios and required close coordination with another geotechnical consultant also working in the area. The engineering study included multiple alternative recommendations to repair the slope and roadway to allow La Paz Road to be re-opened. In total, Psomas studied seven alternatives that included three options to stabilize the slope along with four alternative cross sections to repair the roadway.
2021	2023	City of Los Angeles	City of Los Angeles	Arief Naftali	C-134269 / TOS #3 - WO #EW40076 - Tujunga Ave-Strathern St-Fair Ave Street Improvements Project	The Tujunga Avenue, Strathern Street, and Fair Avenue Street Improvements Project proposed to improve and upgrade said streets to current standards to improve traffic flow, safety, and pedestrian mobility along the corridor. This effort is of special benefit to the residents of the City of Los Angeles and to Council District 6 (CD-6). Under this Task Order, the City of Los Angeles (City) Department of Public Works Bureau of Engineering (BOE) Prop O Clean Water Division contracted Psomas to perform Pre-Designand Design only, per BOE Design Manuals. The scope consisted of road widening, including the construction of new pavement, sidewalk, curb and gutter, traffic control devices, street trees, and curb ramps. The scope also required the removal of existing trees relocation of existing power poles and traffic control devices.
2021	2024	City of Los Angeles	City of Los Angeles	Andrew Nickerson -- Ion Cretu	Magnolia Boulevard North Improvement (Design and Design Support Services During Construction)	The City of Los Angeles Bureau of Engineering (BOE) Street ImprovementDivision (SID) contracted Psomas to provide civil engineering design, design support services during construction, and other support services as requested for the Magnolia Boulevard North Improvement at Cahuenga Boulevard. The project, located between the North Hollywood area of the City of Los Angeles, started as a drainage project and has transitioned to include pedestrian safety measures. The revised scope of work aims to better align with the recently adopted “CompleteStreets” policies and the community’s current needs. The revised project will consist of pedestrian and safety-related improvements such as curb extensions where appropriate, enhanced left turn protection at select locations, new landscaping, additional safer crossings with the introduction of pedestrian hybrid beacons, enhanced sidewalks, and ADA-compliant access ramps. Psomas design services include the preparation of civil, traffic and striping, storm drain, and landscape design plans under the draft Pre-Design Report (PDR); the preparation of construction cost estimates; the coordination and environmental evaluation at the level of Categorical Exemptions (CE) under the California Environmental Quality Act (CEQA) and the NationalEnvironmental Policy Act (NEPA); the preparation of contract documents (resulting in a comprehensive bid package to Contractors); and other related support services that included conducting community outreach, and identifying existing underground facilities.

Comparable Contracts

2021	2023	Bravo Gardens City of Palm Desert	Bravo Gardens City of Palm Desert	Arief Naftali	Traffic Signal Plan at Hovley Lane East and Jasmine Court	Psomas provided traffic engineering services for the proposed signalized intersection at Hovley Lane East and Jasmine Court in Palm Desert, California. The scope included updating and finalizing the Traffic Signal Plan to reflect current civil improvements, topography, and right-of-way conditions. The plan incorporated new signal pole locations, LED luminaires, conduit and conductor runs, and curb ramp upgrades. Psomas coordinated with the City of Palm Desert and Southern California Edison for signal service enclosure placement and pedestal locations. Additional services included preparation of a traffic signal timing sheet using Synchro software, development of optimal timing parameters for peak hour operations, and construction support through submittal review, responses to RFIs, and preparation of as-built signal drawings.
2021	2022	City of Laguna Beach	City of Laguna Beach	Arief Naftali	Forest Lane Trash Enclosure	Psomas was retained by the City of Laguna Beach to prepare preliminary and final design plans for a new trash enclosure near Main Beach. The structure required aesthetic design considerations including materials, colors, and layout to match/complement other nearby structures and the style of the surrounding community. Multiple iterations were submitted to address Planning Commission comments. Prior to submitting for Planning Commission review, Psomas completed Story Pole Staking of the structure to give the public a sense of the size and configuration of the new structure. Once approved by the Planning Commission, Psomas prepared final design plans, specifications, and estimates for approval by Public Works. The construction contract was approved by the City Council on March 7, 2023.
2021	2023	City of Laguna Beach	City of Laguna Beach	Arief Naftali	Park Avenue Streetlight Design	The City of Laguna Beach has recently purchased stand-alone streetlights from Southern California Edison (SCE) within the City limits. The City desires to install City-owned streetlights within the limits of the Park Avenue neighborhood from St. Ann's Drive to Wendy Terrace as part of the utility undergrounding process. Psomas provided engineering services for photometric designs, preliminary exhibits for the design review process, final lighting plans with complete wiring, conduits details, and specifications. The street lighting plans were according to City design guidelines. The project involved the development of street lighting and electrical plans for construction. Psomas' detailed plans showcased the existing and new lights, intricate details of the lighting systems, conduits, wires, voltage drop calculations, and the proposed service enclosure for the lighting system. An essential component of this project was the coordination with Southern California Edison (SCE) to establish service feed connections based on the lighting load requirements. This collaboration helped verify that the newly designed lighting system would be efficiently integrated into the existing power grid, thereby enhancing the overall reliability and performance of the street lighting in the City of Laguna Beach.
2021	2023	Kimley-Horn & Associates Inc.	City of Los Angeles	Dalin Rowe	City of Los Angeles Broadway-Manchester Active Transportation Equity Project (TOS 701)	The City of Los Angeles will transform West Manchester Avenue and South Broadway into corridors of open space that are safer, more mobile, and sustainable. Project elements include: protected bike lanes, improved medians, pedestrian refuge islands, curb extensions, sidewalk improvements, upgraded access ramps, pedestrian signals, improved bus stops, shade trees, landscaping, bioswales, and stormwater capture and reuse. By integrating safety and mobility, urban greening, and stormwater capture, all prioritized and informed by the community, Broadway South can realize a holistic "One Infrastructure" vision.Psomas is providing civil design on West Manchester Avenue between Vermont Avenue and South Broadway, a 1/2 mile segment. The design includes curb extensions, ADA compliant ramps, pedestrian lighting, street trees, street furniture, sidewalk, and Measure W storm water quality improvements. Psomas is also in the process of providing a Technology Demonstration Objective study to help StreetsLA evaluate potentially efficient and accurate, methods of topographic data collection. This includes comparison of evolving technologies, such as point cloud-derived products, to conventional topographic survey mapping. Additionally, we are reviewing capabilities for asset management and relevance to project design.
2021	2023	City of Laguna Beach	City of Laguna Beach	Arief Naftali	Street Lighting Design for Coast Highway	In conjunction with utility undergrounding work led by Southern California Edison (SCE), the City of Laguna Beach retained Psomas to procure the design of new decorative street lights on Coast Highway (US-1) as part of completing electrolier acquisition from SCE to the City. Project limits extend from Cajon Street (to the north) to Agate Street (to the south), an approximately 2.2 mile distance along Coast Highway, which is part of State Route (SR). Psomas' scope of services include environmental's Categorical Exemption, photometric/illumination analysis, and development of Plans, Specifications and Estimates (PS&E) for the installation and preservation of new and existing lights. Engineering design included construction cost estimates, voltage drop calculations and wiring diagram for new and existing systems.
2021	2023	Pirzadeh & Associates	City of Irvine	Gary Warkentin	Interstate 5/Walnut Avenue Design Engineering Evaluation Report	Psomas provided design oversight and Caltrans coordination in support of improvements to the southbound I-5/Jeffrey Road off-ramp and intersection improvements to Progress (formerly Walnut Avenue). Psomas prepared a Caltrans Design Engineering Evaluation Report (DEER) that is currently being circulated for approval and signature by Caltrans District 12. The DEER document is used by Caltrans as both a Project Initiation Document (PID) and Project Approval/Environmental Document (PA/ED). The approval of the DEER allows Caltrans to approve the project construction documents and issue an encroachment permit for construction. The DEER document was prepared and processed with Caltrans on a parallel schedule with the construction documents to expedite the project schedule. The I-5 ramp improvements, intersection improvements, and new traffic signal are a condition for construction of a new office campus that is located between the southbound I-5/Jeffrey Road ramp intersection with Progress and Sand Canyon Avenue. The project will widen the south side of Progress to provide a new westbound through lane. The southbound I-5 offramp will be widened to provide a dedicated left-turn lane and a new traffic signal will be constructed at the widened intersection. The DEER attachments include: Draft Construction Plans Right-of-Way Data Sheet and Utility Matrix Background Right-of-Way Documents Storm Water Data Report Environmental Document Geotechnical Report Traffic Management Plan Intersection Control Evaluation Preliminary Cost Estimate
2020	2022	Riverside County	Riverside County	Arief Naftali	Soboba Road Resurfacing PS&E	Psomas provided professional services for rehabilitating the existing asphalt paved roadways along Soboba Street between Stetson Avenue and SR-74 (Florida Avenue). Along with pavement rehabilitation, other ancillary improvements, such as surface drainage and curb ramps, were provided. Psomas' services included the following: Design, control, and topographic surveys Drainage analysis Roadway plans, specifications review, and estimate (PS&E) Utility coordination Caltrans encroachment permit Temporary traffic control plans

Comparable Contracts

2020	2020	Riverside County	Riverside County	Arief Naftali	Whitewater Canyon Road Repair Hydrology and Hydraulic Report	Approximately 2.7 miles of Whitewater Canyon Road north of I-10 was damaged by an intense storm event in 2019. The damage extended from Horn Corner to a triple culvert location where the road crosses the Whitewater River. High flows deposited large sediment volumes and damaged the roadway, culverts, channels, and embankments. The County contracted emergency repairs, including roadway restoration, replacement of seven culverts, and re-establishment of existing embankments at the river crossing. Three existing culverts were upsized from 72" to 120" to provide additional conveyance capacity for sediment and debris. Psomas performed a ground survey, hydrology, and hydraulic analysis and prepared a final report at the river's triple pipe culvert crossing to support culvert sizing for FEMA reimbursement documentation. The project required close coordination with FEMA and the Riverside County Flood Control & Water Conservation District.
2020	2023	City of Paramount	City of Paramount	Arief Naftali	West Santa Ana Branch Bikeway Phase 2	Psomas provided project management, conceptual design, and preparation of construction drawings and technical specifications for Phase 2 of the West Santa Ana Branch Bikeway, an active transportation project within the City of Paramount. The project was designed to improve pedestrian and bicycle safety, circulation, and connectivity, while encouraging active transportation through the installation of pedestrian-scale lighting, bike lanes, and sidewalk connections. A key component of the project is the design of safe and accessible crossings at Downey Avenue and Somerset Boulevard, which are critical to maintaining continuity along the bikeway corridor. The crossing at Downey Avenue includes a fully signalized treatment at the Union Pacific Railroad (UPRR) at-grade facility, enhancing safety for both pedestrians and cyclists. Improvements at Somerset Boulevard support seamless transitions between the bikeway and adjacent neighborhoods, with attention to visibility, traffic control, and ADA compliance. Psomas developed alternative alignments through LADWP and Chevron parcels, with the preferred alignment accommodating Chevron's access needs, future LA Metro pedestrian undercrossing infrastructure, and the planned West Santa Ana Branch light rail corridor adjacent to Paramount Park. The bikeway features a 15-foot-wide asphalt path with delineated two-way bicycle lanes, a pedestrian buffer, and modifications to the existing Paramount Park parking lot to integrate the path alignment.
2020	2023	City of Santa Clarita	City of Santa Clarita	Arief Naftali	City of Santa Clarita Circulation Improvement Program Phase I (2019-2020)	Psomas provided engineering design for the first phase of the City's programmed Circulation Improvement Project involving four locations around the City. Improvements consist of raised median modifications and/or realignment for Lyons Avenue/Orchard Village, Bouquet Canyon Road/Valencia Avenue-Soledad Canyon, Sierra Avenue/Newhall, and Copper Hill/Seco Canyon Road. At each of these locations, a street improvement, signing/striping, and temporary traffic control plan were developed. Because of the impacted landscape and irrigation on Copper Hill Drive, a Landscape and Irrigation Plan was also included as part of the construction documents.
2020	2021	Riverside County	Riverside County	Arief Naftali	Center Street/Stephens Avenue Resurfacing and Widening	Psomas assisted the County of Riverside in the development of pavement rehabilitation and reconstruction Plans, Specifications and Estimates on Center Street and Stephens Avenue located within the County of Riverside, in the community of Highgrove. Improvements proposed consist primarily of pavement rehabilitation of the existing asphalt roadway along Center Street, from I-215 to westerly Versailles Place, and along Stephens Avenue from Center Street to La Cadena West Avenue. Psomas assisted the County of Riverside in the development of pavement rehabilitation and reconstruction Plans, Specifications, and Estimates on Center Street and Stephens Avenue located within the County of Riverside, in the community of Highgrove. Improvements proposed consist primarily of pavement rehabilitation of the existing asphalt roadway along Center Street, from I-215 to westerly Versailles Place, and along Stephens Avenue from Center Street to La Cadena West Avenue. Along with pavement rehabilitation, other ancillary improvements include replacement and reconstruction of metal beam guardrail, sidewalk, driveway, curb ramp, curb and gutter, and other sub-standard existing conditions in the corridor. New curb ramps were added to replace the existing sub-standard ramps, a new sidewalk has been added due to slumping by Mont Martre Avenue, and an investigation for corner sight distance at Mont Martre Avenue and Center Street intersection, cross-gutters and spandrel replacement was launched to meet the County's guidelines. Construction cost is estimated at $1.1 million.
2020	2024	Riverside County Riverside County Transportation Department	Riverside County	Arief Naftali	RCTD On-Call Engineering and Surveying Services	In 2019, Psomas was awarded an on-call services contract with Riverside County Transportation Department, which extends through 2024. The following are recent relevant task orders from this contract. Center Street/Stephens Avenue Resurfacing: Psomas assisted the County of Riverside in the development of pavement rehabilitation and reconstruction Plans, Specifications and Estimates on Center Street and Stephens Avenue located within the County of Riverside, in the community of Highgrove. Improvements proposed consist primarily of pavement rehabilitation of the existing asphalt roadway along Center Street, from I-215 to westerly Versailles Place, and along Stephens Avenue from Center Street to La Cadena West Avenue. Along with pavement rehabilitation, other ancillary improvements include replacement and reconstruction of metal beam guardrail, sidewalk, driveway, curb ramp, curb and gutter and other sub-standard existing conditions in the corridor. New curb ramps were added to replace the existing sub-standard ramps, new sidewalk has been added due to slumping by Mont Martre Avenue, and investigation for corner sight distance at Mont Martre Avenue and Center Street intersection, cross-gutters and spandrel replacement were launched to meet the County's guidelines. Construction cost is estimated at $1.1 million. Soboba Road Resurfacing PS&E: Psomas is providing rehabilitation services of the existing asphalt paved roadways along Soboba Street between Stetson Avenue and SR-74 (Florida Avenue). Along with the pavement rehabilitation, other ancillary improvements will be provided such as surface drainage and curb ramps. Psomas services include design, control, and topographic surveys; drainage analysis; roadway plans, specifications review, and estimate (PS&E); utility coordination; Caltrans encroachment permit; and temporary traffic control plans. Cornell Street Resurfacing PS&E: Psomas is providing pavement resurfacing design services for Cornell Street between Crest Drive and SR-74 (Florida Avenue) in an unincorporated portion of the City of Hemet. Improvements include full depth pavement removal and reconstruction, surface drainage improvements (new cross gutters, curbs, and re-profiling portions of the roadway), and ADA ramp upgrades. Grand Avenue Sidewalk Gap Closure PS&E: Psomas is providing design services to close a gap in sidewalk along Grand Avenue in an unincorporated portion of the Community of Lake Elsinore. Improvements include new sidewalk, surface drainage improvements (new cross gutters, curbs, and re-profiling portions of the roadway), and ADA ramp upgrades. Additional task orders include: Whitewater Canyon Road Repair Hydrology and Hydraulic Report Gilman Springs Road Survey Legal and Plats Thermal/Oasis Bike Trail Phase 2A

PSOMAS

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Suite 300
Santa Ana, CA 92707

714.751.7373
www.Psomas.com

Work Approach/Scope of Services

Subsequent to the submittal of the original proposal by Psomas, Psomas and the City (Joe Ames) mutually negotiated to modify the Scope of Services performed by Psomas to fit within the available budget. Therefore, the following Scope of Services supersedes those contained in the RFP and/or original proposal and is the basis of the fee proposal provided by Psomas.

Task 1 – PAED Phase (6 Months)

1) In coordination with the City, the Scope of Services and fees for Task 1 may be revised or adjusted as necessary to achieve the project objectives.**PROJECT MANAGEMENT AND COORDINATION**

Psomas understands that the success of any project starts with a strong foundation that fosters open communication and collaboration. As Project Manager, Tom Herbel, PE, will be a single point of contact for the City. Tom will be coordinating and checking-in on a regular basis with key discipline leads during both Phases 1 and 2, which is understood to be under a different authorization.

Psomas subscribes to Microsoft 365 and can use its SharePoint capabilities for file transfer and sharing as needed. While pledging to account for the number of meetings listed in the RFP, Psomas recommends to use workshop or design-charette style meetings with stakeholders involved to reach consensus on a conceptual design, when a layout is available.

DELIVERABLES

- One (1) Project Kick-Off meeting
- Five (5) monthly project progress meetings, agendas, minutes, scope and schedule updates (2 in-person and 3 virtual meetings assumed)
- One (1) City Council Meeting
- One (1) Traffic Commission meetings

2) PRELIMINARY ENGINEERING

a) Research and Review Available Data

Psomas accepts the scope and deliverables.

b) Utility Research and Notification

Psomas accepts the scope and deliverables.

c) GIS & Geospatial Plainimetrics

The Psomas team will establish preliminary GIS Right-of-Way linework from County of Orange records and provide planimetrics using NearMap.

DELIVERABLES

- CAD topo base map (DWG, AutoCAD Civil 3D) at 1”=20’ scale, including curbs and striping.
- Preliminary Right-of-Way lines based on GIS data (provided by city)

d) Site Evaluation

Psomas accepts the scope and deliverables.

e) Environmental Study Area

Psomas accepts the scope and deliverables.

f) Geotechnical Investigation

To stay within the PAED phase budget, Psomas is proposing to shift this to Task 2, otherwise, Psomas accepts the scope and deliverables.

g) Alternatives Analysis

In conjunction with producing the support and content for the environmental document, Psomas is prepared to develop up to two (2) concept designs for City staff review and developed based upon community feedback as well as a context sensitive design. Concept design drawings will consist of cross-sections, full-plan view concepts with preliminary roadway geometry, curb return radii modifications as required, pavement marking and signing/ striping, proposed streetscape enhancements, crosswalks, sidewalk improvements for conveying design intent. No specific call-outs or stationing other than fundamental dimensioning and lengths will be provided. Additionally, it is assumed that the two alternatives will include: 1) the current alternative three, and 2) a version with an on-street Class IV bike path, prioritizing adherence to the City's construction budget.

DELIVERABLES

- Two (2) Alternatives/Concept Design Layouts & Typical Cross Sections on high-resolution Aerial map
- Cost-Benefit and Risk Analysis of two (2) alternatives

h) Develop 35% Design Plans

Psomas accepts the scope and deliverables with the following clarification to stay within the PAED phase budget. Psomas is proposing to shift this scope of work to Task 2 and forgo the 35% Design Plans and jump right into the 65% Plans for Task 2. Psomas will develop the chosen preferred alternative to support the PAED phase.

3) COMMUNITY ENGAGEMENT

Community Engagement will be provided by the City and Psomas will attend the meeting in a support role.

4) PAED REPORT

Psomas will prepare a Project Approval Memorandum that will include the following along with the summary of the opportunities and constraints analysis.

a) Environmental

- **Preliminary Environmental Study (PES) Form:** Once a project description is prepared and the engineering team has defined the project's limits of disturbance, Psomas will prepare and submit an electronic version of a PES form to determine what type of NEPA documentation is appropriate and whether technical studies will be required for the project.

  Psomas will prepare an Initial Site Assessment (ISA) Questionnaire, which will be submitted for Caltrans review as an attachment to the PES.

  Psomas will submit the PES package to the City for submittal to Caltrans Local Assistance. Psomas will revise the PES package based on two (2) rounds of Caltrans comments and will subsequently prepare a project Environmental Commitments Record (ECR) that documents any avoidance or minimization measures that are required by Caltrans for the project.

It is anticipated that Caltrans will determine the project qualifies for a NEPA Categorical Exclusion pursuant to NEPA. If this is the case, Caltrans will sign the PES and a Categorical Exclusion form completing the NEPA process for the project. No stand-alone technical studies or reports are assumed as part of this scope of services; however, there is a potential that Caltrans could request additional technical analysis to approve the project, which will be determined by Caltrans during their review of the PES form.

- **Categorical Exemption Memorandum:** Related to the California Environmental Quality Act (CEQA), Psomas believes the project would qualify for a Class 1 (existing facilities) categorical exemption from CEQA.

  To document that the project is categorically exempt from CEQA, Psomas will prepare a Categorical Exemption Memorandum (Memorandum), which will be submitted to the City for review. The Memorandum will include: an introduction to the project; a qualitative review of each CEQA environmental resource topics; and discussion of the applicability of a categorical exemption to the project.

  Upon completion, the first draft of the Memorandum will be submitted electronically to the City for review. Following the City's review of the Memorandum, Psomas will revise the document and submit a final draft for the City's review and approval. Once the Memorandum is approved by the City, Psomas will prepare and file a Notice of Exemption (NOE) form with the County Clerk for the project and will subsequently file the NOE form with the State Clearinghouse via CEQAnet for the project.

b) Traffic and Alternatives Analysis

Psomas accepts the scope and deliverables in the RFP. Psomas will conduct a Vehicle Miles Traveled (VMT) screening assessment per the City of Laguna Hills VMT Guidelines (August 2025). Based on the City's guidelines for evaluating VMT on transportation projects subject to CEQA review, the project is not expected to cause a substantial increase in vehicle travel. As a result, it is assumed that a quantitative VMT analysis is not included in this scope.

Psomas will collect morning peak hour (7:00AM-9:00AM) and evening peak hour (4:00PM-6:00PM) vehicle, pedestrian, and bicycle turning movement counts at up to twelve intersections along Paseo de Valencia and Cabot Road. Additionally, Psomas will collect 24-hour vehicle counts at up to 12 roadway segments. Psomas will prepare an intersection vehicular Level of Service (LOS) analysis along Paseo de Valencia and Cabot Road, using the Intersection Capacity Utilization (ICU) and Highway Capacity Manual (HCM) Methodologies for signalized and unsignalized intersections, respectively. Additionally, Psomas will conduct a roadway LOS analysis along Paseo de Valencia and Cabot Road based on the roadway analysis methodology outlined in the City of Laguna Hills Traffic Study Guidelines (2025).

Psomas will conduct traffic signal warrant analyses at up to two (2) unsignalized intersections in accordance with the California Manual on Uniform Traffic Control Devices (CAMUTCD) and with the City of Laguna Hills Traffic Impact Study Guidelines (2025). Psomas will also prepare and submit a Draft Traffic Analysis Memorandum summarizing the results of the VMT Screening Assessment, LOS analysis, and signal warrant analyses.

DELIVERABLES

- Draft and Final Traffic Analysis Memorandum

Task 2 – PS&E Phase

In coordination with the City, the Scope of Services and fees for Task 2 may be

revised or adjusted as necessary to achieve the project objectives.

1) PROJECT MANAGEMENT AND COORDINATION

Psomas understands the success of any project starts with a strong foundation that fosters open communication and collaboration and as Project Manager, Tom Herbel, PE, QSD will be a single point of contact for the city. Tom will coordinate check-ins on a regular basis with key discipline leads during both Phases 1 and 2, which is understood to be under a different authorization.

DELIVERABLES

- 6 (six) monthly project progress meetings, agendas, minutes, scope and schedule updates (3 in-person and 3 virtual meetings assumed)
- One (1) City Council Meeting
- One (1) Traffic Commission meeting

2) GEOTECHNICAL ENGINEERING

GMU will provide the following geotechnical engineering services for this phase of the project.

Task 1 – Document Review, Utility Coordination, and Permitting

GMU will review available records (as-builts, specs, pavement history) to support engineering analysis. Pavement coring locations will be marked, and Dig Alert notified to identify utility conflicts. GMU will obtain the City of Laguna Hills no-fee Encroachment Permit with support from the City's Project Manager, submitting maps, insurance, business license, and contractor information. One (1) round of City comments is assumed; no additional agency permits are required.

Task 2 – Subsurface Exploration

GMU will perform six (6) pavement cores along Paseo de Valencia, Cabot Road, and adjacent bike path, plus two (2)hand auger borings east of Cabot Road. Work will occur in one day between 8 a.m. and 5 p.m. Corings will extend up to four (4) feet, logging AC, AB, PCC, fabric, and other layers. Subgrade samples will be collected, and holes backfilled and capped.
Traffic control will consist of single-lane closures; no formal traffic control plans are included.

Task 3 – Laboratory Testing

Samples will be tested in GMU's Caltrans-certified lab. Testing may include R-value, moisture density, soil classification, in-place moisture, and corrosion parameters (sulfates, chlorides, pH, resistivity). Mix design testing for recycled or cement-treated pavement sections is excluded but can be added under a separate proposal.

Task 4 – Engineering Analysis and Reporting

GMU will analyze field and lab data and prepare a geotechnical report summarizing site conditions and providing recommendations for flatwork, pavement design, and earthwork (grading, subgrade prep, compaction, trench backfill, drainage, and wet soil considerations). Soil corrosion results will also be addressed. The report will be signed and stamped by a California registered civil engineer.

3) PS&E

Psomas accepts the scope and deliverables with the following clarifications. Based on what the City has outlined in the RFP, Psomas will be developing and

submitting deliverables from the table below during this phase.

3A) RIGHT-OF-WAY ENGINEERING

- Boundary survey and MTLS mapping.
- Establish horizontal/vertical control using GPS and conventional methods (NAD83, CCS83 Zone VI, NAVD88).
- Recover street monuments and property corners; set ~60 MTLS targets.
- Prepare basemap with street centerlines and rights-of-way; property lines shown from record info.
- MTLS mapping at 1"=20' scale, collecting roadway, utilities, and cultural features within limits (e.g., sidewalks, curbs, fences, structures, utilities, trees, drainage, striping, signs, lighting, manholes, inlets).
- Include rim and invert elevations for sewer and storm drain structures.

Clarifications

- Traffic control plans are not included and are expected to be prepared by the contractor.
- Bidding Assistance, Construction Assistance, and Access to City Reports and Resources is not included and will be a part of the construction phase
- New raised medians are not anticipated or included
- New retaining walls are not anticipated or included
- It is assumed that a WQMP assessment only will be required
- Landscape design/improvements will consist of a 3-foot planter along the street to separate the vehicles from the pedestrians

No.	*Items of Work or Plan*	*Scale*	*Est. No. of Sheets*	*65%*	*70%*	*100% and Final*
1	Coordination with utility firms on design, verification notices, and relocation follow-ups as needed	N/A	N/A	N/A	✓	✓
2	Field notes on existing signal locations	N/A	4	✓	✓	✓
3	Title sheet	N/A	1	✓	✓	✓
4	General notes, abbreviations, construction notes, legend, utility contacts, etc.	N/A	1	✓	✓	✓
5	Roadway typical section	N/A	2	✓	✓	✓
6	Improvement details & Horizontal Control	VAR	4	✓	✓	✓
7A	Roadway Improvement Plans (plan only and dual panel)	1"=20'	6	✓	✓	✓
7B	Roadway Improvement Plans & Profiles	1"=20'	12	✓	✓	✓
8	Signing/Striping Plans (dual panel)	1"=40'	7	✓	✓	✓
9	Street Lighting Plans & Detail	1"=40'	5	✓	✓	✓
10A	Traffic Signal Modification Plans	1"=20'	3	✓	✓	✓
10B	Traffic Signal Plan	1"=20'	1	✓	✓	✓
11	Irrigation Plans & Detail (dual panel)	1"=40'	12	✓	✓	✓
12	Planting Plans & Detail (dual panel)	1"=40'	12	✓	✓	✓

No.	Items of Work or Plan	Scale	Est. No. of Sheets	65%	70%	100% and Final
	Total Estimated Plan Sheets		**70**			
	Engineer's Estimates with Appropriate Contingencies			✓	✓	✓
	Specifications with Front-End Document Provided by the City				✓	✓
	Photometric Evaluation for Street Lighting			✓		

Preliminary Project Schedule

Description Consultant Services	2026										
	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Task 1 - PA/ED											
Preliminary Engineering	▼ Kick off (1st week of February)										
Research available data and survey											
Alternatives Analysis											
Concept Plans and Estimate											
Community Engagement											
PAED Report											
Caltrans Environmental Document Approval											
Task 2 -											
Topographic Mapping/Geotech											
65% PS&E											
90% PS&E											
100% PS&E											

Project Fee

Paseo de Valencia and Cabot Road ATP

1/20/2026 3:27 PM

	Description Consultant Services	Principal-In-Charge	Project Manager	Project Engineer	Staff Engineer	Project Assistant	Total Hours	Direct Labor Subtotal	PSOMAS Survey	PSOMAS Environmental	Alta	GMU Geotechnical	Total Cost
		$305.00	$290.00	$240.00	$180.00	$145.00							
	Task 1 PAED Phase (6 Months)												
1	**Project Management and Coordination**	4	50	25		20	**99**	$ 24,620			$ 3,550		$ 28,170
2	**Preliminary Engineering**												
	Research available data		2	4	10		**16**	$ 3,340					$ 3,340
	Utility research and notification			2	16		**18**	$ 3,360					$ 3,360
	Geospatial Planimetric			4	4		**8**	$ 1,680	$ 6,400				$ 8,080
	Site Evaluation			10	10		**20**	$ 4,200					$ 4,200
	ESA		5	8			**13**	$ 3,370					$ 3,370
	Geotechnical investigation (deferred to Task 2)												
	Alternatives Analysis (2 Alternatives)	2	30	40	60		**132**	$ 29,710			$ 11,840		$ 41,550
	Prepare concept plans												
	Prepare plans (plan view only)		5	15	20		**40**	$ 8,650					$ 8,650
	Probable construction cost estimate		2	20	20		**42**	$ 8,980					$ 8,980
3	**Community Engagement**		8	8			**16**	$ 4,240					$ 4,240
4	**PAED Report**		8	16		4	**28**	$ 6,740					$ 6,740
	Traffic analysis			30	80		**110**	$ 21,600					$ 21,600
	Environmental (NEPA and CEQA CE)		2	4			**6**	$ 1,540		$ 14,575			$ 16,115
												Total Task 1	**$ 158,395**
	Task 2 PS&E (6 Months)												
1	**Project Management**	4	104	30		20	**158**	$ 41,480			$ 8,214		$ 49,694
	~~Community Engagement (1 public meeting)~~							$ -					$ -
	PS&E												
	Topographic Mapping		4	8			**12**	$ 3,080	$ 96,975				$ 100,055
	Geotechnical investigation		4	8			**12**	$ 3,080				$ 24,231	$ 27,311
	PS&E (Fee based upon sheets in Matrix in proposal)												
	65% PS&E		67	216	630		**913**	$ 184,670			$ 44,060		$ 228,730
	90% PS&E	2	40	128	373		**543**	$ 110,070			$ 34,755		$ 144,825
	100% PSE	2	28	88	257		**375**	$ 76,110			$ 17,493		$ 93,603
	Task 3 Bidding Assistance												
	Bidding Assistance		8	20		8	**36**	$ 8,280			$ 6,405		$ 14,685
	Task 4 Construction Assistance												
	Pre construction participation							$ -					$ -
	Log and Responses to RFI's and Submittal Drawings							$ -					$ -
	Plan revisions							$ -					$ -
	Site Visits (assumes 5)							$ -					$ -
	Record drawings							$ -					$ -
												Total Task 2	**$ 658,903**
	PROJECT TOTAL * =	**14**	**367**	**684**	**1480**	**52**	**2597**	**$ 548,800**	**$ 103,375**	**$ 14,575**	**$ 126,317**	**$ 24,231**	**$ 817,298**

EXHIBIT "B"

CITY'S REQUEST FOR PROPOSALS (RFP)

PROJECT NAME

DATED: November 4, 2025

CITY OF LAGUNA HILLS

November 26, 2025

SUBJECT: Addendum No. 1 to RFP for PASEO DE VALENCIA AND CABOT ROAD ACTIVE TRANSPORTATION PROJECT

To All Consultants:

This Addendum No. 1 is being issued for the subject RFP.

- There have been significant revisions to the RFP, mainly to address required language due to the federal funding associated with the project. The revised RFP is attached. Revisions to the body of the RFP have been highlighted to facilitate review. Please also note that Attachment 4 (Sample Professional Services Agreement) has been replaced with a revised version and a new attachment (Attachment 5) regarding Disclosure of Lobbying Activities has been added.

- The revised RFP includes an extended deadline for proposal submittal (December 18, 2025) as well as an additional opportunity to submit written questions.

- Listed below are the questions received by the City (as of the original question deadline of November 20, 2025 at 5:00 p.m.) and the City's responses:

Questions and Responses:

1. Is there an option to shift a portion of the funding from the Task 2 PS&E budget to the Task 1 PAED budget if the total for both tasks remains within the $820,000 total budget?

    - The grant fund amounts per PAED and PS&E tasks cannot be shifted. However, the proposer may recommend the shifting of certain scope efforts from the PAED phase to the PS&E phase. For example, the scope of work for survey and geotechnical in the PAED phase may be reduced to only that necessary for the PAED phase with the balance shifted to the PS&E phase.

2. Does the City require landscaping and irrigation plans?

    - Yes. The City will determine the scope for landscaping and irrigation during the PAED phase. The scope of work for the PAED phase may be limited to cost estimates for landscaping and irrigation (e.g. "disturbed areas only" versus "disturbed areas + all parkway areas" versus "disturbed areas + all parkway and median areas"). For the PS&E phase, the proposer shall assume that the landscape and irrigation scope of work will be limited to disturbed areas only.

3. With the addition of expanded pedestrian and bike facility improvements, should we anticipate design of pedestrian level lighting (i.e. bollards/low level poles/decorative fixtures) as part of this scope or relocations of existing light poles only?

    - While it is expected that the need for additional lighting or lighting modifications would be identified as part of the PAED phase, no additional lighting or lighting modifications are anticipated and proposers may assume accordingly.

4. Are the existing poles owned and maintained by City or SCE or a mixture of both?

    - Existing traffic signal poles are owned and maintained by the City. The existing streetlight poles in the project area are owned and maintained by San Diego Gas & Electric (SDG&E).

5. Is the intent to upgrade existing HID and older LED fixtures to the latest LED lighting?

    - Same as response to Question 3.

6. Scope page 27 identifies Traffic and Alternatives Analysis – preparation of traffic study and VMT analysis to support bicycle facilities, pedestrian facilities, and traffic control. Are you looking for an LOS analysis for **EACH** of these 3 items (bicycle, pedestrian, traffic control)

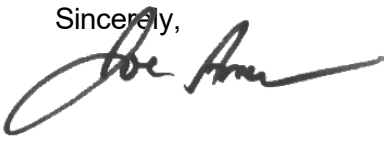
    - LOS analysis for vehicle traffic operations and capacities.

7. VMT, is a measure of vehicle miles, does the City want a VMT analysis to evaluate the impact that the bicycle/pedestrian facilities would have on the vehicular VMT?

    The scope of work for VMT analysis shall be that necessary to procure environmental clearance for the project.

Additional written questions regarding this RFP must be submitted by December 10 at 5:00 p.m.

Sincerely,



Joe Ames, P.E., T.E.
Interim City Manager/Director of Public Works

REQUEST FOR PROPOSALS (RFP) – MULTI-PHASE

PASEO DE VALENCIA AND CABOT ROAD ACTIVE TRANSPORTATION PROJECT

PROJECT APPROVAL AND ENVIRONMENTAL DOCUMENTATION (PAED) AND PLANS, SPECIFICATIONS, & ESTIMATE (PS&E)

CITY OF LAGUNA HILLS
24035 El Toro Road
Laguna Hills, CA 92653
(949) 707-2651

RFP Dates

Request for Proposals Issued:	November 4, 2025
Initial Written Question Deadline:	November 20, 2025 at 5:00 p.m.
Initial Question Responses/Add. 1 Issued:	November 26, 2025
Supplemental Written Question Deadline	December 5, 2025 at 5:00 p.m.
Responses to Supplemental Questions by:	December 10, 2025
Proposal Submittal Deadline:	December 18, 2025 at 4:00 p.m.
Interviews to be held on:	TBD, if requested
Proposed Effective Date of Professional Services Agreement:	January 27, 2026

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NON-COLLUSION AFFIDAVIT

ATTACHMENT 2 – **Page 38**
CONSULTANT'S ACKNOWLEDGEMENT OF COMPLIANCE WITH INSURANCE REQUIREMENTS

ATTACHMENT 3 – **Page 39**
CERTIFICATION OF PROPOSAL TO THE CITY OF LAGUNA HILLS

ATTACHMENT 4 – **Page 41**
SAMPLE PROFESSIONAL SERVICES AGREEMENT

ATTACHMENT 5 – **Page 130**
CERTIFICATION - LOBBYING AND DISCLOSURE OF LOBBYING ACTIVITIES

ATTACHMENT 6 – **Page 133**
1. City of Laguna Hills VMT Analysis Guidelines under CEQA and Traffic Study Guidelines
2. Revised Conceptual Project Renderings from August 2025 Workshop
3. 9/9/25 City Council Staff Report for Mobility Element Amendment to General Plan

November 4, 2025

SUBJECT: PASEO DE VALENCIA AND CABOT ROAD ACTIVE TRANSPORTATION PROJECT

Dear Proposers:

You are invited to respond to this Request for Proposal (RFP) to provide professional consulting services for Paseo De Valencia and Cabot Road Active Transportation Enhancements for the Project Approval and Environmental Documentation (PAED) and Plans, Specifications, and Estimate (PS&E) phases.

The following pages detail the Scope of Services to be provided and the submission requirements.

The City intends to enter into an exclusive Professional Services Agreement to fulfill the City's needs.

The Project is funded, in whole or in part, with federal financial assistance from the Federal Highways Administration, which is administered through the California Department of Transportation ("Caltrans"). As such, the City seeks to retain an experienced consultant that will comply, and can assist the City in complying, with federal and state requirements, including those set forth in the Caltrans Local Assistance Procedures Manual (LAPM).

To be considered responsive, proposers must submit a written proposal in accordance with the requirements, specifications, conditions and provisions described in the attached RFP.

PROPOSALS ARE DUE BEFORE
4:00 P.M. on December 18, 2025

If you have any questions regarding this RFP, please contact both Mark Chagnon via email at mchagnon@lagunahillsca.gov and Jennifer Rosales via email at jrosales@ardurra.com.

Thank you for your interest.

Sincerely,

Joe Ames, P.E., T.E.
Public Works Director

SECTION I
INTRODUCTION AND INSTRUCTIONS TO PROPOSERS

A: Introduction and Overview

The City of Laguna Hills Public Works Department (City) invites qualified engineering firms (Consultant) to submit proposals for the Paseo De Valencia and Cabot Road Active Transportation Enhancements for the Project Approval and Environmental Documentation (PAED) and Plans, Specifications, and Estimate (PS&E) and Right-of-way phases.

The City has been awarded $720,000 for Preliminary Engineering consisting of the PAED and PS&E phases through Congestion Mitigation and Air Quality Improvement Program (CMAQ) and Surface Transportation Block Grant (STBGP) federal funds. The total available funds for the PAED and PS&E phases of the project is $820,000, including city matching funds.

The proposed project will include bikeway enhancements and pedestrian crossing improvements at intersections along Paseo de Valencia between Laguna Hills Drive and Cabot Road and along Cabot Road between Paseo de Valencia and El Paseo. The project will include 2.2 miles of pedestrian safety enhancements and high comfort bikeways with three distinct components:

1. Paseo de Valencia between Laguna Hills Drive and Alicia Parkway: Modifications to an off-street paved trail to satisfy Caltrans Highway Design Manual (HDM) bikeway design standards,
2. Paseo de Valencia from 200’ s/o Alicia Parkway to Cabot Road: Construct a high comfort bike facility, pedestrian enhancements, and traffic circulation improvements, and
3. Cabot Road between Paseo de Valencia and El Paseo: Construct a high comfort bike facility, pedestrian enhancements, and traffic circulation improvements.

This project will increase mobility and safety for people walking and cycling traveling to two schools, residences, shopping centers and parks along the study corridors. The proposed project will close the gap in high quality bikeways between the Aliso Creek off-street trail and the planned Mission Viejo North-South Bikeway intended to access El Paseo from the south.

The City hosted two public workshops in the past six (6) months for a Mobility Element amendment of the General Plan to provide a policy framework to conceptualize a project on Paseo de Valencia and Cabot Road and for consistency with a recent amendment to the Master Plan of Arterial Highways (MPAH) by the Orange County Transportation Authority (OCTA). At the second workshop, revised conceptual renderings were presented that maintained two lanes of travel in each direction along Paseo de Valencia. The conceptual renderings are provided as a reference in Scope of Services in Section

IV of this RFP. Additional public outreach is included in the scope of work to further refine the project to incorporate a Class IV bike lane along Paseo de Valencia and Cabot Road. The scope of work includes community engagement to solicit feedback on a final design that addresses community needs and mitigates impacts to the greatest extent feasible.

All improvements are located within the City. The proposed Project will incorporate a Class IV bike lane along Paseo de Valencia and Cabot Road and active transportation improvements.

Qualified Consultants must have experience with and have completed at least three PAED projects in the past five (5) years including preliminary engineering and PS&E projects. The City of Laguna Hills is requesting proposals from qualified consultants to provide multi-phase professional services to prepare the following tasks:

Task 1: Prepare the required **Project Approval and Environmental Documentation (PAED) phase studies** including preliminary engineering for the Paseo De Valencia and Cabot Road Active Transportation Enhancements project (Project).

The PAED shall achieve the following goals:

- Define the environmental study area and complete the necessary environmental analysis.
- Comply with Chapter 6 of the Caltrans Local Assistance Procedure Manual (LAPM) leading to Project National Environmental Policy Act (NEPA) clearance and Project approval by the District Local Assistance Engineer.
- Engage and solicit input from community stakeholders.
- Complete topographic survey, base maps, geotechnical engineering and preliminary design for the Project necessary for all phases of this Project.
- Complete geotechnical investigations and material testing necessary to support all phases of the project.
- Complete Preliminary Engineering to the 35% level in support of the environmental review and future Task 2 to include evaluation of Project Alternatives and a Preferred Alternative Project selection.

The successful completion of Task 1, the PAED phase, including Caltrans approval of the NEPA document, is required before the City will issue a notice to proceed with the work effort for Task 2, the Plans, Specifications, Estimate (PS&E) and Right of Way phase. All work products of this Project shall become the property of the City and the Consultant shall release all claims to said work product upon completion of the Scope of Work herein.

Task 2: If the PAED is satisfactorily completed and the next phase is authorized, prepare the necessary **Plans, Specifications and Estimate (PS&E)** necessary for construction of the project including Right-of-way Engineering and Acquisition Services. Separately, bid support services and construction support services are to be offered as defined herein.

The PSE and Right of Way Phase shall achieve the following goals:

- Complete the development of the Plans, Specifications and Estimate to the 65% level. Respond to City review comments.
- Define all right of way acquisition needs, if any, through preparation of a right-of-way and easement map. Prepare legal descriptions and plats and appraisals and perform all necessary right-of-way and easement acquisition in accordance with federal requirements. Obtain all required utility agency acknowledgements and assist the City in procuring federal Right-of Way Clearance.
- Complete the 90% and 100% Plans, Specifications and Estimate to the City's Standards and satisfying all State and Federal Requirements. Respond to City review comments.

Construction support services shall include the following services:

- Respond to Bidders inquiries in the Bid Process.
- Respond to Contractor Submittals and RFIs in a timely manner.
- Provide Drawings of Record/As-Builts upon Project Completion

The selected firm shall furnish all expertise, labor, and resources to provide complete services necessary to fulfill the requirements for the specified work detailed within this Request for Proposal (RFP). Any changes to this RFP shall only be made by written Addenda.

All phases of this Project are federally funded with CMAQ and/or STBGP funds and Local funds. Therefore, all procurement of professional services and construction work, including Task 1 and Task 2, shall conform to both Federal and State requirements. The Consultant Selection Process will follow the Caltrans Local Assistance Procedure Manual, Chapter 10, Consultant Selection. Should an award of a professional services agreement be made, the selected consultant will enter into the City's standard Professional Services Agreement, as amended to include all related Federal regulations, to provide the proposed phased services. **An authorization to proceed with Task 2 shall not be issued until the satisfactory completion of Task 1, including Caltrans approval of the PAED and NEPA documentation, and reconfirmation of the Task 2 Scope of Work and Fee.**

Federal-aid recipients, including recipients of CMAQ and STBGP funds, are responsible for involving the public, including traditionally underserved and underrepresented populations in transportation planning and complying with participation and consultation requirements in 23 CFR 450.210 and 23 CFR 450.316, as applicable. "Underserved populations" include minority and low-income populations but may also include many other demographic categories that face challenges engaging with the transportation process and receiving equitable benefits (See FHWA's Environmental Justice Reference Guide for additional information).

Disadvantaged Business Enterprises (DBEs) will be afforded full opportunity to submit proposals in response to this invitation and will not be discriminated against on the grounds of race, color, sex, national origin, religion, age, or disability in consideration for an award. The City of Laguna Hills is an equal opportunity employer. The Consultant shall take necessary and reasonable steps to ensure that DBEs have opportunities to participate in this Project. At this time, DBE contract goals have been suspended by the US DOT/FHWA. However, the City reserves the right to issue addenda to this RFP and modify any awarded contract to comply with DBE requirements set forth by the State of California or the United States Department of Transportation.

B: Proposed Schedule

The proposed RFP schedule is listed on the cover page of this RFP. The proposed Project scope of work for the PAED and PS&E phases is assumed to not exceed 12 months upon award.

C: Instructions to Proposers and Procedures for Submittal

One printed original (marked original), two (2) printed copies (marked copy) and one (1) electronic copy on Flash Drive (will not be returned) and one sealed envelope containing the Fee Proposal must be submitted in a sealed envelope or box bearing the name of the Proposer, marked ***Paseo De Valencia and Cabot Road – Active Transportation Project*** and submitted only to the following address:

City of Laguna Hills
Attention: Joe Ames, Public Works Director
24035 El Toro Road
Laguna Hills, CA 92653

Proposers are solely responsible for ensuring their submitted proposal is received by the City in accordance with the solicitation requirements, before the Submittal Deadline, and at the place specified.

Postmarks will not be accepted in lieu of actual delivery. No oral, telegraphic, electronic mail, facsimile, or telephonic proposals or modifications will be considered unless specified.

The City shall not be responsible for any delays in mail or by common carriers or by transmission errors or delays or mistaken delivery. Delivery of proposals shall be made at the office specified in this Request for Proposals.

Deliveries made before the Submittal Deadline, but to the wrong City office, will be considered non-responsive unless re-delivery is made to the office specified before the Submittal Deadline. All proposals shall become the property of the City.

Late proposals will not be accepted and will be returned to the Proposer unopened.

D: General Conditions

ADDITIONAL INFORMATION, RIGHT TO REQUEST. The City reserves the right, where it may serve the City's best interest, to request additional information or clarifications from proposers during its review and evaluation of proposals submitted for consideration.

ADDITIONAL SERVICES. The Scope of Work describes the minimum work to be accomplished. Upon final selection of the firm, the Scope of Work may be modified and refined during negotiations with the City.

AUTHORIZED SIGNATURES. Every proposal must be signed by the person or persons legally authorized to bind the Proposer to a contract for the execution of the work. Proposer shall provide a current power of attorney, articles of incorporation, or other instrument confirming the agent's authority to bind the Proposer. If an individual makes the proposal, his or her name, signature, and post office address must be shown. If a firm or partnership makes the proposal, the name and post office address of the firm or partnership and the signature of at least one of the general partners must be shown. If a corporation makes the proposal, the proposal shall show the name of the state under the laws of which the corporation is chartered, the name and post office address of the corporation and the title of the person signing on behalf of the corporation. Upon request of the City, the corporation shall provide a certified copy of the bylaws or resolution of the board of directors showing the authority of the officer signing the proposal to execute contracts on behalf of the corporation.

AWARD OF PROPOSAL. City reserves the right to negotiate final terms with the selected Proposer, if any. Award of contract, if any, will be made in accordance with Section 3-08.150 (Professional services contracts) of the Laguna Hills Municipal Code (LHMC) which reads in relevant part as follows:

"A. The informal and formal bidding procedures contained in this chapter shall not apply to contracts for professional services. Rather, to secure professional services, the City shall utilize a request for proposals procedure, the method and details of which shall be promulgated by the City Manager in the form of administrative regulations. The City Manager may award any contract for professional services when the total not to exceed contract amount of such services is fifty thousand dollars ($50,000.00) or less. Any contract for professional services having a total contract amount of greater than fifty thousand dollars ($50,000.00) shall be awarded by the City Council.

C. Notwithstanding any provision in this chapter to the contrary, selection by the city for professional services in areas including but not limited to private architectural, landscape architectural, engineering, environmental, land surveying, construction project management, management and administration, financial, accounting, auditing, actuarial, economics, and/or development and planning, which involve the exercise of discretion and independent judgment together with an advanced or specialized knowledge, expertise, training, or unique skills gained by formal studies or experience, shall be on the basis of demonstrated competence and on the professional qualifications necessary for the satisfactory performance of the services required, and shall not be awarded solely on

the basis of cost. In accordance with state law, the city shall consider price after the city is satisfied that the would-be person, company, corporation, contractor, consultant, or firm has demonstrated the competence and professional qualifications necessary for the satisfactory performance of the services required."

An Evaluation Committee will be established by the City. The City shall not be obligated to accept the lowest priced proposal but, if an award is made, the City will make an award in the best interests of the City after all factors are considered, including but not limited to the demonstrated competence, experience and professional qualifications of the Proposer. Discussions may, at the City's option, be conducted with the most qualified proposers. Discussions may be for the purpose of clarification to assure full understanding of, and responsiveness to, the solicitation requirements. Proposers shall be accorded fair and equal treatment with respect to any opportunity for discussion and written revision of proposals. In conducting discussions, the City will not disclose information derived from proposals submitted by competing proposers.

COMPLIANCE WITH LAWS. All proposals shall comply with current federal, state, and other laws relative thereto.

CANCELLATION OF SOLICITATION. The City may cancel this solicitation for proposals at any time.

CANCELLATION OF TASKS. If a professional services agreement is awarded for the work described in this RFP, the City will authorize work on a Task Order basis. Task Orders may be issued in any sequence. The City is not obligated to issue a Task Order for all tasks listed in the Scope of Work and expressly reserves the right to cancel tasks.

CONFLICT OF INTEREST. By signing the Certification of Proposal (**Attachment 3**) and submitting a proposal to the City in response to this Request for Proposals, the Proposer represents and certifies that:

A) No elected or appointed official, officer, or employee of the City has been or shall be compensated, directly or indirectly, in connection with this proposal or for any work connected with this proposal; should any agreement be approved in connection with this Request for Proposals ("Agreement") no elected or appointed official, officer, or employee of the City, during the term of his/her service with the City, shall have any direct or indirect financial interest in the Agreement, or obtain any present, anticipated, or future financial interest or other material benefit arising therefrom;

B) No elected or appointed official, officer, or employee of the City shall have any financial interest, direct or indirect, in the Agreement nor shall any such official, officer, or employee participate in any decision relating to the Agreement which effects his/her personal financial interest or the financial interest of any corporation, partnership, or association in which they are, directly or indirectly, interested in violation of state law;

C) The Proposer and its principals do not have now, nor shall it acquire any financial or business interest that would conflict with the performance of services under the Agreement;

Proposer shall disclose any financial, business, or other relationship with City that may have an impact upon the outcome of the Agreement, or any ensuing City construction project. Proposer shall also list current clients who may have a financial interest in the outcome of the Agreement, or any ensuing City construction project, which will follow. Such disclosures shall be made in the Certification of Proposal.

COSTS. The City is not liable for any costs incurred by proposers before entering into a formal contract. Costs of developing the proposals, or any other such expenses incurred by the Proposer in responding to this RFP, are entirely the responsibility of the Proposer, and shall not be reimbursed in any manner by the City. No reimbursable cost may be incurred in anticipation of award.

DISQUALIFICATION OF PROPOSER. If there is reason to believe that collusion exists among the proposers, the City may refuse to consider proposals from participants in such collusion. No person, firm, or corporation under the same or different name, shall make, file, or be interested in more than one proposal for the same work unless alternate proposals are called for. Reasonable grounds for believing that any Proposer is interested in more than one proposal for the same work will cause the rejection of all proposals for the work in which a Proposer is interested. If there is reason to believe that collusion exists among Proposers, the City May refuse to consider proposals from participants in such collusion. Proposers shall submit as part of their proposal documents the completed Non-Collusion Affidavit provided as **Attachment 1** of this request for proposal.

DOCUMENTS, EXAMINATION OF. It is the responsibility of the Proposer to carefully and thoroughly examine and be familiar with these RFP documents, general conditions, all forms, specifications, drawings, plans, and addenda (if any). Proposer shall satisfy himself as to the character, quantity, and quality of work to be performed and materials, labor, supervision, necessary to perform the work as specified by these documents. The failure or neglect of the Proposer to examine documents shall in no way relieve him from any obligations with respect to the solicitation and/or subsequent contract that may be awarded. The submission of a proposal shall constitute an acknowledgment upon which the City may rely that the Proposer has thoroughly examined and is familiar with the RFP documents. No claim will be allowed for additional compensation that is based upon a lack of knowledge of any solicitation document.

INTERPRETATION OF RFP DOCUMENTS. City reserves the right to make corrections or clarifications of the information provided in this RFP. If any person is in doubt as to the true meaning of any part of the specifications or other RFP documents, or finds discrepancies or omissions in the specifications, he or she may submit to the City a written request for an interpretation or correction.

Oral statement(s), interpretations or clarifications concerning meaning or intent of the contents of this RFP by any person are unauthorized and invalid. Modifications to the

RFP, including, but not limited to, the scope of work, shall be made only by formal written addendum issued by the City. Accordingly, in order to ensure that all proposers have access to the same information, the City will use the following procedure to respond to inquiries:

- All questions or requests for interpretations shall be made in writing to both Mark Chagnon via email at mchagnon@lagunahillsca.gov and Jennifer Rosales via email at jrosales@ardurra.com by the date specified on the cover page of this RFP.

- Staff will issue, as needed, addenda to the RFP, including a list of all written questions received and responses thereto, on the City's website and via email to the RFP distribution list, and all proposers who have advised the City that they have a set of RFP documents, by the date specified on the cover page of this RFP.

The requesting party is responsible for prompt delivery of any requests. All such addenda shall become a part of the RFP document. It is the responsibility of each Proposer to ensure the City has their correct business name and address on file. Any prospective Proposer who obtained a set of RFP documents is responsible for advising the City that they have a set of RFP documents and wish to receive subsequent Addenda.

Each Consultant is responsible for obtaining all addenda prior to submitting a Proposal and shall acknowledge in its Proposal the receipt of each addendum as part of its Proposal. Failure of Consultant to acknowledge receipt of all addenda as part of its Proposal may result in rejection of its Proposal.

IRREGULARITIES. Unauthorized conditions, limitations, or provisions attached to a proposal may cause its rejection. The completed proposal shall be without interlineations, alterations or erasures. Alternative proposals will not be considered unless specifically requested. No oral, telegraphic, or telephonic proposal, modification or withdrawal will be considered.

NON-DISCRIMINATION. Proposer shall represent and certify that it does not and will not discriminate against any employee or applicant for employment because of race, religion, gender, color, national origin, sexual orientation, ancestry, marital status, physical condition, pregnancy or pregnancy related conditions, political affiliation or opinion, age or medical condition.

NON-EXCLUSIVE. Should the City make an award, the successful Proposer will enter into a non-exclusive professional services agreement and the City reserves the right to enter into agreements with other firms or consultants for the services listed in this RFP.

NO OBLIGATION. The release of this RFP does not obligate or compel the City to enter into a contract or agreement.

NO PUBLIC PROPOSAL OPENING/PUBLIC RECORDS ACT. Proposals shall be opened and their contents secured by City staff to prevent disclosure during the evaluative

process and the process of negotiating with competing proposers. Adequate precautions shall be taken to treat each Proposer fairly and to ensure that information gleaned from competing proposals is not disclosed to other proposers. Prices and other information concerning the proposals shall not be disclosed until finalists are selected to present proposals to the City Council or a recommendation for award is made to the City Council, whichever comes first.

OFFERS OF MORE THAN ONE PRICE. Proposers are not allowed to submit more than one proposal.

OWNERSHIP. All data, documents and other products used or developed during the RFP process become the property of the City upon submission.

PROPRIETARY INFORMATION. All proposals and documents submitted in response to this RFP shall become the property of the City and a matter of public record pursuant to Government Code sections 7920.000 et seq. It is the responsibility of each Proposer to clearly identify any and all information contained within the proposal that it considers to be confidential and/or proprietary. To the extent that the City agrees with that designation, such information will be held in confidence whenever possible; all other information will be considered public. In the event that a demand for disclosure of information designated as "confidential and/or proprietary" by a Proposer is made, the City will notify the Proposer in writing of such demand and shall furnish a copy of the City's written response to the requestor. Proposer may then pursue, at its sole cost and expense, any and all appropriate legal action necessary to maintain the confidentiality of such information.

REJECTION OF PROPOSAL. The City reserves the right to reject any or all proposals or any part of a proposal. The City reserves the right to reject the proposal of any Proposer who previously failed to perform adequately for the City or any other governmental agency. The City expressly reserves the right to reject the proposal of any Proposer who is in default on the payment of taxes, licenses or other monies due the City.

REPRESENTATIONS. Proposer understands and acknowledges that the representations made in their submitted proposal are material and important, and will be relied on by the City in evaluation of the proposal. Proposer misrepresentation shall be treated as fraudulent concealment from the City of the facts relating to the proposal.

RFP PART OF AGREEMENT. Should an agreement be awarded, this Request for Proposals and Scope of Services and all conditions may become part of the Agreement between the City of Laguna Hills and the successful Proposer.

SEVERABILITY. If any provisions or portion of any provision of this Request for Proposals are held invalid, illegal or unenforceable, they shall be severed from the Request for Proposals and the remaining provisions shall be valid and enforceable.

VALIDITY. Proposal must be valid for a period of 180 days from the due date and may be extended by written authorization from the Proposer.

WITHDRAWAL OF PROPOSAL. Proposers' authorized representative may withdraw proposals only by written request received by the City's project manager before the Proposal Submittal Deadline.

NOTICE TO PROPOSERS OF DBE INFORMATION. City hereby notifies all Proposers that it will affirmatively ensure that in any agreement entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit proposals in response to this invitation and will not be discriminated against on the grounds of race, color, sex, national origin, religion, age, or disability in consideration for an award.

By submitting a proposal, each Proposers is advised and agrees that at the time of advertising this solicitation, the U.S. Department of Transportation recently issued an Interim Final Rule making significant changes to the DBE Regulations set forth in 49 CFR Part 26, and, as such, City may be required to further revise this RFP and any awarded Agreement to comply with the DBE Regulations.

The City has determined there is no Disadvantaged Business Enterprise (DBE) goal for this Project.

1. Terms as used in this RFP:

- *The term "Disadvantaged Business Enterprise" or "DBE" means a for-profit small business concern owned and controlled by a socially and economically disadvantaged person(s) as defined in Title 49, Code of Federal Regulations (CFR), Part 26.5.*
- *The term "Agreement" also means "Contract"*
- *"Agency" also means the City of Laguna Hills*
- *The term "Small Business" or "SB" is as defined in 49 CFR Section 26.65.*

2. Authority and Responsibility

A. DBEs and other small businesses are strongly encouraged to participate in the performance of contracts financed in whole or in part with federal funds (See 49 CFR Part 26, "Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs"). The Proposer must ensure that DBEs and other small businesses have the opportunity to participate in the performance of the work that is the subject of this RFP and should take all necessary and reasonable steps for this assurance. The Proposer must not discriminate on the basis of race, color, national origin, or sex in the award and performance of subcontracts.

B. Proposers are encouraged to use services offered by financial institutions owned and controlled by DBEs.

3. Reserved.

4. DBE Participation General Information

It is the Proposer's responsibility to be fully informed regarding the requirements of 49 CFR, Part 26, and the US Department of Transportation's DBE program developed pursuant to the Regulations. Particular attention is directed to the following:

A. A DBE must be a small business firm defined pursuant to 13 CFR Section 121 and certified through the California Unified Certification Program (CUCP).

B. A certified DBE may participate as a prime consultant, subconsultant, joint venture partner, as a vendor of material or supplies, or as a trucking company.

C. A DBE proposer not proposing as a joint venture with a non-DBE, will be required to document one or a combination of the following:

1. *The proposer is a DBE and will meet the goal by performing work with its own forces.*
2. *The proposer will meet the goal through work performed by DBE subconsultants, suppliers or trucking companies.*
3. *The proposer, prior to proposing, made adequate good faith efforts to meet the goal.*

D. A DBE joint venture partner must be responsible for specific contract items of work or clearly defined portions thereof. Responsibility means actually performing, managing, and supervising the work with its own forces. The DBE joint venture partner must share in the capital contribution, control, management, risks and profits of the joint venture commensurate with its ownership interest.

E. A DBE must perform a commercially useful function pursuant to 49 CFR Section 26.55, that is, a DBE firm must be responsible for the execution of a distinct element of the work and must carry out its responsibility by actually performing, managing and supervising the work.

F. Proposer shall list only one subconsultant for each portion of work as defined in their Proposal, and all DBE subconsultants should be listed in the Schedule of Compensation/Fees list of subconsultants.

G. A prime consultant who is a certified DBE is eligible to claim all of the work in the Agreement toward the DBE participation except that portion of the work to be performed by non-DBE subconsultants.

5. Reserved.

6. Resources

A. The CUCP database includes the certified DBEs from all certifying agencies participating in the CUCP. If you believe a firm is certified that cannot be located on the database, please email DBE.Certification@dot.ca.gov for assistance.

B. Access the CUCP database from the Department of Transportation, Office of Civil Rights website (https://caltrans.dbesystem.com/). For guidance on how to search for certified firms using the CUCP database, please visit: DBE Goal Setting | Caltrans at https://dot.ca.gov/programs/local-assistance/local-civil-compliance/dbe-goal-setting.

FINANCIAL MANAGEMENT. All proposers must maintain an adequate financial management and accounting system as required by 48 CFR Part 16.301-3, 2 CFR Part 200, and 48 CFR Part 31. Proposers, and any subconsultants and subcontractors, shall establish and maintain a financial management system and records that properly accumulate and segregate reasonable, allowable, and allocable incurred Project costs and matching funds by line item for the Project. The financial management system of Consultant, any subconsultants, and subcontractors shall conform to Generally Accepted Accounting Principles, enable the determination of incurred costs at interim points of completion, and provide support for reimbursement payment vouchers or invoices sent to or paid by State.

DISPUTES RELATING TO PROPOSAL PROCESS AND AWARD.

A. The City has taken great care in the establishment of fair and competitive procurement procedures and the commitment made to follow those procedures. The following is provided in the event that Proposers wish to protest the proposal process or appeal the recommendation to award an agreement.

B. Any proposal protest must be submitted in writing to:

City of Laguna Hills
Attention: Joe Ames, Public Works Director
24035 El Toro Road
Laguna Hills, CA 92653

C. The proposal protest must be submitted before 5:00 PM of the fifth (5th) business day following the date of the Notice of Ranking which notifies Proposers of selected consultant.

D. The proposal protest must contain a complete statement of the basis for the protest. The protest must include the name, address, email address, and telephone number of the person representing the protesting party.

E. The party filing the protest must concurrently transmit a copy of the protest and any attached documentation to all other parties with a direct financial interest which may be adversely affected by the outcome of the protest. At a minimum, those parties listed in any City notice of recommendation shall be notified of such protest and the specific grounds therefor.

F. The procedure and time limits are mandatory and are the Proposer's sole and exclusive remedy in the event of Proposal Protest.

G. Proposer's failure to comply with these procedures shall constitute a waiver of any right to further pursue the Proposal Protest, including filing a Government Code claim or any legal proceedings.

H. Upon receipt of written protest, the Public Works Director will review and provide an opportunity to settle the protest by mutual agreement, will schedule a meeting to discuss, or issue City's written response within ten (10) working days of receipt of the protest.

I. The City's response will inform the Proposer whether or not the City's recommendation of award has changed.

J. The decision of the City may be appealed to the City Manager. All appeals to the City Manager shall be in writing and submitted within five (5) calendar days of notification of the decision by City. The City Manager will issue a decision within five (5) working days of receipt of an appeal. The decision of the City Manager is the final step of the appeal process.

CONTRACT AUDIT AND REVIEW PROCESS REQUIREMENTS. Proposers are hereby advised that the City will follow the audit and review process required by Caltrans LAPM Chapter 10, Section 10.1.3. The selected Proposer shall adhere to all requirements set forth therein in the event of any state or federal audits which occur at any point during the selection process for this RFP and throughout the term of the awarded agreement. The requirements can be found at: https://dot.ca.gov/-/media/dot-media/programs/local-assistance/documents/lapm/ch10.pdf.

End of Section, continued to next page.

SECTION II

PROPOSAL RESPONSE REQUIREMENTS

One printed original (marked original), two (2) printed copies (marked copy) and one (1) electronic copy on Flash Drive (will not be returned) and one (1) sealed envelope containing the Cost Proposal must be submitted in a sealed envelope or box bearing the name of the Proposer, marked **Paseo De Valencia and Cabot Road - Active Transportation Project** and submitted only to the following address:

City of Laguna Hills
Attention: Joe Ames, Public Works Director
24035 El Toro Road
Laguna Hills, CA 92653

If discrepancies are found between the copies, or between the original and copy or copies, the “ORIGINAL” will provide the basis for resolving such discrepancies. If one document is not clearly marked “ORIGINAL", the City reserves the right to use any of the proposals as the Original. If no document can be identified as an original bearing original signatures, Proposer's proposal may be rejected at the discretion of the City.

Consultant is responsible for preparing a well-organized and concise written Proposal. Emphasis should be on completeness, clarity of content, and efficiency of the Proposal. It is imperative that all Proposers responding to the RFP comply exactly and completely with the instructions set forth herein. Proposals must be concise, but with sufficient detail to allow accurate evaluation and comparative analysis. Proposals should be straightforward and provide "layman" explanations of technical terms that are used. Emphasis should be concentrated on conforming to the RFP instructions, responding to the RFP requirements, and on providing a complete and clear description of the offer. Limit the Proposal to 30 pages not including the following:

- Front and back cover pages;
- Tabular or dividing pages;
- Table of contents and indexes;
- City required forms/attachments (as the RFP already stated)
- Lists of clients and contracts requested (under Section B below - Company Data)
- Resumes

All proposals shall be submitted on standard 8.5” by 11” paper and secured in binder clips only (no notebooks or covers to be submitted). Font shall be no less than 10 point. All pages should be numbered and identified sequentially by section matching the format of this RFP.

Additionally, a stick drive of an electronic copy of the signed proposal shall be provided.

Response items must be indexed in the following order with individual tabs:

A. Cover Letter:

Proposal must be accompanied by a cover letter signed by an individual authorized to bind the proposing entity. An unsigned proposal is grounds for rejection. The cover letter should include an introduction of the firm and summary statement of professional qualifications. Consultant shall affirmatively state that they have reviewed and are ready to execute the City's standard form draft Professional Services Agreement, as amended to incorporate Federal regulations, (Attachment "4") in its Letter of Transmittal.

B. Company Data:

Please submit the following information for the Proposer:

1. Official name and address.
2. Name, address, and telephone number of the Proposer's primary point of contact.
3. Indicate what type of entity (corporation, company, joint venture etc). Please enclose a copy of the Joint Venture Agreement if entity is a joint venture.
4. Federal Employer I.D. Number.
5. Identify the type of Financial Management and Accounting System in use that meets federal requirements.
6. The address, telephone numbers and authorized email addresses of each of your firm's locations.
7. A detailed statement indicating whether Proposer is totally or partially owned by another business organization or individual.
8. Number of years Proposer has been in business under the present business name.
9. Number of years of experience the Proposer has had in providing required, equivalent, or related services.
10. All comparable contracts entered into during the last five (5) years, completed or not. Please indicate:

    - Year started and completed
    - Scope of work
    - Client or agency name
    - Project description
    - Project manager
    - Estimated cost of construction, if any
    - Size of project

11. Any failures or refusals to complete a contract and explanation.
12. Individuals/Firms who own an interest of 10% or greater in the proposing firm.
13. Financial interests in other lines of business.
14. Litigation/Adverse Judgement History. Provide a list of all litigation (including all complaints or responses to complaints) filed against the Proposer and any proposed Principal/Project Manager within the last 5 years only, related to performance of a professional services agreement or participation on a project.

Provide the date that the complaint was filed, the name of the plaintiff(s), the nature of the litigation and list the causes of action set forth in the complaint, the amount of damages and relief asserted, the project name, describe the role of the Proposer and any proposed Principal/Project Manager in the project, provide the names of the parties involved, status of the case, and a summary of the dispute resolution and/or outcome (including current status for any unresolved litigation) (e.g., trial/judgement, arbitration/mediation, settlement, etc.).

15. Termination of Contract "For Cause" History. Describe the conditions or circumstances surrounding any professional services agreement or other services contract (or portion thereof) entered into by the Proposer and any proposed Principal/Project Manager within the last 5 years only that was terminated for cause or which required completion by another party. Describe the reasons for termination, the reasons specified by the client/owner for any such termination, whether the Proposer and proposed Principal/Project Manager disputed the client/owner's position and/or the stated justification for terminating for cause, as well as the dispute resolution and/or outcome of the dispute (including the current status for any unresolved notice of termination for cause).

C. Resumes and Qualifications of Key Personnel:

The Proposer shall furnish a personnel staffing plan with sufficient information for judging the quality and competence of the personnel dedicated to the project. In its assessment of the proposal, City will place considerable emphasis on the commitment by the Proposer to provide qualified personnel for the professional services being considered. The Proposer shall furnish resumes in outline form for the key personnel assigned and committed to this account (i.e. Principal and/or Project Manager). Proposer shall also include the number and type of additional support personnel who will be providing services.

Provide a description and availability for any additional key staff who will aid in accomplishing the scope of work. Include any subconsultants which Consultant proposes to use for any portion of the services. At least one of the key personnel shall be a Professional Civil Engineer and/or Professional Traffic Engineer licensed to practice in the State of California.

Consultant shall also identify a Management Contact (a representative authorized to sign an agreement for your firm and act as the primary point of contact). The successful Consultant may only change the Management Contact, staff, and specialists with prior written permission of the City. Provide documentation of the Management Contact's contracting authority.

Include a one-page resume for assigned staff members in an appendix (minimum resume contents):

- Name, Position: Include length of time with this firm in the current position and any other positions held within the firm.

- Education: Show degrees earned and certifications, school and year of completion. Exclude company courses or information that is not relevant to the person's functional job duties.
- Summary of Experience: In chronological order, most recent date first, summarize experience as it relates to the proposed Scope of Work. Please include a listing of all projects with a brief description of each. Additional detail and information may be requested of finalists.
- Professional Memberships/Registrations/Licensure/Certifications: Separately, please include a complete list of all previous and current clients.

D: Organizational Chart:

Proposer shall include an organizational chart that reflects titles of key staff and management contacts of each individual assigned to provide services under this Proposal. It is the City's requirement that key personnel identified in the Organizational Chart remain during the term of the agreement. The Proposer shall note concurrence on the restrictions to changes in key personnel. A transition plan shall be presented in this section in the event there are proposed changes in key personnel during the term of the agreement that are outside of the consulting firm's control or if the City requests such change.

E: Experience and References:

Provide a list of representative projects undertaken by Consultant in the last five (5) years demonstrating experience in providing similar services. Identify the organizations for which the work was performed and provide the names, telephone numbers, and email addresses of persons who can be contacted. The representative projects shall include the development of PAED reports, public outreach programs, and preliminary engineering design work. For each project, the Consultant shall provide a project summary and project budget.

Proposer must provide three (3) PUBLIC AGENCY references for whom Proposer has provided similar services of the nature and scope as set forth in the RFP within the last five (5) years. Include name of agency, name of contact person, telephone number of contact person, and description of services provided.

F: Project Understanding, Overview and Approach:

- Understanding: Proposer must clearly demonstrate in this section an understanding of the tasks outlined in Section IV of this Request for Proposals.
- Approach: Proposer must include in this section its detailed approach to providing those services described in Section IV of this RFP (including all optional/additional services) that the Proposer proposes to provide.
- Proposer must identify the services proposed to be provided in response to the Scope of Services. Proposer must note any services not provided by the Proposer.
- Project Management: The City's Public Works Director will designate a project manager that will act as the single point of contact and as the contract officer for

these services. Proposals should describe the Proposer's approach to project management which ensures coordination with the City's contract officer and a commitment to the project schedule.

- Proposer shall recommend a Public Outreach Plan with strategies that will provide the most stakeholder participation and input. The Consultant shall provide specific tools and communication mediums that will be used to engage stakeholders and collect input.
- Proposer shall list any resources, City assistance or other items expected to be provided by City in connection with the delivery of these services.
- Proposer may additionally itemize those services which are further recommended or optionally provided but are not noted in the aforementioned paragraphs as requirements. Proposer will title this section as ***ADDITIONAL SERVICES***.
- Project Controls: Describe the Proposer's ability to control costs and provide accurate and timely invoices through internal control measures; to monitor and stay within budget; to monitor schedule and review times and describe the techniques used to complete projects within the proposed time frames.
- Quality Control/Quality Assurance (QA/QC): Describe the firm's QA/QC processes that will be adhered to during the term of the agreement. Describe the method of ensuring accuracy and an overall high quality of work.

G: Communication Plan:

Proposer must describe the method(s) of communication and how frequently the firm proposes to keep City staff informed of their progress on any given tasks.

H: Cost Proposal:

In a separate sealed envelope, Consultant shall provide their lump sum cost Proposal to include the total compensation inclusive of a detailed estimate for the mandatory Scope of Work for Task 1 and separately for Task 2. Provide a detailed matrix of Tasks, Subtasks, Personnel assigned, Subconsultants, hourly rates, scheduled hours, and total costs. The Cost Proposal shall fully describe each Task matching the proposed Scope of Work. The Cost Proposal shall include all labor, materials, reprographics and meetings. There shall be no line items for reimbursables.

Additional services as proposed by the Consultant shall be itemized in the same manner as described above but shall be clearly stated as Optional Services not included in the detailed estimate for the mandatory Scope of Work.

The Maximum Funds available for the Task 1 PAED phase is $159,000. The Maximum Funds available for the Task 2 PSE phase is $661,000.

I: Non-Collusion Affidavit

Proposer is required to sign and submit the *Non-Collusion Affidavit* in Attachment 1.

J: Compliance with Insurance Requirements

Proposer is required to sign and submit the *Consultant's Acknowledgement of Compliance with Insurance Requirements for Agreement for Professional Services* in Attachment 2. Proposer shall demonstrate the willingness and ability to submit proof of the required insurance coverage (Attachment 2) set forth in the *Sample Draft Professional Services Agreement* (Attachment 4) prior to execution of the contract.

K: Certification of Proposal:

Proposer is required to sign and submit the *Certification of Proposal* in Attachment 3.

L: Disclosure of Lobbying Activities:

Proposer is required to certify compliance with the lobbying requirements of Title 31 of the United States Code, Section 1352 and the applicable regulations under 49 CFR Part 20 in ***Appendix 5.***

End of Section, continue to next page.

SECTION III

PROPOSAL EVALUATION AND SELECTION

This RFP Evaluation Process shall be governed by Chapter 10 of the Caltrans Local Assistance Procedure Manual and City procedures. The evaluation and selection process are based on consideration of various factors as described below. Accordingly, the City reserves the right to waive technical errors, alter submission dates, issue subsequent requests for information, etc.

An Evaluation Committee will be established by the City. The Committee may be comprised of City staff or other personnel as determined by the Public Works Director and will evaluate all proposals received in accordance with Section 3-08.150 of the LHMC. The City reserves the right to establish criteria and weight factors. The City shall not be obligated to accept the lowest priced proposal, but the City will make an award in the best interests of the City after all factors are considered, including, but not limited to, the demonstrated competence, experience and professional qualifications of the Proposer.

An Evaluation Committee will review and score all Proposals based on the Evaluation criteria stated below. The Consultant selection will be made based on the recommendation of the team determination of the best qualified Consultant and presented to the City Council for approval to award the Agreement. The individual rating and/or evaluation forms prepared by the team members will not be revealed; however, a summary of the evaluation results will be presented to the City Council.

Selection of qualified proposers will be based on the following criteria as set forth herein. The proposal will be evaluated by the Evaluation Committee on the basis of the response to all requirements of this RFP. The City of Laguna Hills will review and evaluate the Proposals based on the following factors and scoring criteria to select the most qualified Consultant.

PROPOSAL SCORING:

Criteria	Max points	Score
Understanding of the Scope of Work	25	
Experience with similar kinds of work and review of references	20	
Qualifications of Staff Assigned	20	
Demonstrated Technical Ability & Schedule Control	20	

Location and availability of staff assigned.	5	
Familiarity with State and Federal procurement and project implementation procedures	10	
Total	100	

Following evaluation of written proposals, the Committee may hold interviews with the most qualified respondents. The City intends to enter into a multi-year Professional Services Agreement to fulfill the City's needs.

Selection by the City shall be based on demonstrated competence, on the professional qualifications necessary for the satisfactory performance of the services required, and the schedule of work. The City and selected Consultant shall then enter a review of their proposed professional fees. Award of the Agreement will be made to ensure that such services are engaged based on demonstrated experience and qualifications at fair and reasonable prices to the City.

Following evaluation and rating by the City's Evaluation Committee, the City will recommend a Consultant for award of the Agreement at a City Council Meeting. The selected Consultant will enter into the Agreement with the City based upon the contents of the RFP and the Consultant's Proposal. Consultants not chosen will be informed following the City Council Meeting.

End of Section, continue to next page.

SECTION IV

SCOPE OF SERVICES

A. PROJECT SCOPE OF WORK

Task 1 - PAED Phase

The following tasks and deliverables are required for Task 1, the PAED phase. Consultant may offer additional services in furtherance of the goals of this Project.

1. Project Management and Coordination

This task includes the general project management and administration functions such as regular communication with City staff, coordination with project stakeholders and project meetings.

Project Management: The consultant Project Manager (PM) will communicate directly with the City PM and manage the project team for project delivery. Project management includes but is not limited to maintenance and adherence to a project schedule, delivery of monthly invoices, and progress reports for use by the City for grant funding reporting and reimbursement. The project schedule will be reviewed regularly to ensure key milestones are met.

The Consultant shall provide a robust project controls and financial management system to keep the project on schedule and budget, to the City's satisfaction and as required for the use of Federal funds. The Consultant shall also host a "data center" for preserving and offering online access to all records in a format meeting Caltrans' file system recommendations and providing fulltime access for all designated Consultant and City users.

Project Manager Meetings: Monthly PM status meetings via a videoconference link or City on-site meetings. The videoconference is recommended to allow for a screenshare opportunity where meeting notes are recorded in real-time to document discussion and establish clear action items. Participation in the monthly PM status meetings is anticipated to include the City designated PM and the consultant PM. The Consultant will schedule these meetings and provide meeting minutes within five (5) calendar days of the meeting conclusion for all participants. The proposed project duration for PAED and PS&E phases is 12 months.

Project Kickoff Meeting: Consultant will organize and facilitate a kickoff meeting with the City staff to discuss the project background, goals, schedule, involved agencies, and key stakeholders for future involvement. The kickoff meeting will confirm the City's project vision, goals, objectives, and potential challenges; as well as identify key project outcomes to ensure that expectations and deliverables are well defined for project success. The kickoff will include review of communication protocol, meeting frequency, progress reporting, scheduling, invoicing, and other relevant project information. A

summary of the meeting will be provided with key action items identified. The consultant should expect to hold the kickoff meeting within 2 weeks of the award of the Agreement.

This task shall also include attendance and presentation at one (1) Traffic Commission Meeting and one (1) City Council Meeting for Project presentation and PAED approval.

The PAED shall be completed in an expeditious timeframe with a goal of completion and Caltrans acceptance **within a six-month period**, post issuance of the Notice to Proceed to the Consultant.

Deliverables

- Project scope, schedule, monthly invoices, and progress reports.
- Project kick-off and progress meeting agendas, meeting materials, and meeting notes.
- Monthly project progress meetings and minutes of said meetings.
- Attend and present at Traffic Commission and City Council meetings.
- Additional data/information request; informational materials (e.g., handouts, exhibits, data tables, etc.) for the meetings listed above and data needed to complete quarterly reports to Caltrans/FHWA.

2. Preliminary Engineering

a) Research & Review Available Data - Consultant will compile and review all related records and documents from the City as are available. Document research to include the County, City, utility, and other pertinent record holders (if any). Records should include existing street, signal, storm drain, gas, electric, communications, sewer, and water main improvement plans, traffic volume data, topographic data maps, geotechnical reports, environmental reports, street and utility plans, subdivision maps, survey centerline and private property monument data, and other pertinent information.

Deliverables

- A compilation of all findings.
- All records submitted to the City upon Project completion.

b) Utility Research & Notification - Consultant will conduct a detailed local utility investigation to confirm the most recent contacts for all affected utilities and cross-reference the findings with any information provided by the City. Each company shall initially be contacted with a first utility notice letter to inform them of the upcoming project and request information pertaining to their utilities such as verification of the sizes, depths, and locations of their underground and aboveground lines, facilities, and substructures within the project vicinity. Once the requested information is received from the utility owners, the consultant will cross-check the plotted locations with field review information to ensure the existing utility lines are shown in their proper locations. The compiled information will be integrated into the preliminary engineering plans and provided to all affected utility

owners with the second utility notification letter seeking confirmation of utility information.

Consultant shall hold at least one group utility owners meeting to confirm everyone's understanding of the project and that all data has been collected. Consultant shall ensure that the PAED is compatible with all utilities to be impacted or otherwise modified within the project area. Consultant will meet with the affected utility owners throughout the development of the PAED as needed. If it is determined upon completing the PAED that the utility research data gathered is not sufficient to accurately determine the locations of the utilities or there is a concern that conflicts may exist that require field excavation verification, the recommendation will be made for utility potholing to be conducted prior to construction. Consultant shall develop a Risk Register for the utility and related Project issues.

Deliverables

- Figures/Maps Documenting Research Results.
- Contact Letters/Correspondence.
- First and Second Utility Contact Letter.
- Utility Summary Conflict Exhibit.
- Summary (or checklist) Summarizing Research Source and Findings.
- A Risk Register.
- Minutes of the group utility owner meeting(s)

c) Topographic Survey – Consultant will perform a Topographic Survey of the entire Project area through a combination of field survey and aerial photogrammetry meeting design level survey standards and based on USGS NAD83 and NAVD88 datums at one-foot contour accuracy. Survey cross-sections are optional at this stage of this Project but shall be offered as an available service. The consultant shall establish a survey ground control for aerial photogrammetry and topography and future use. Survey data should extend outside of Project limits at a sufficient distance to plot joins to existing improvements. The consultant shall confirm the limits of the aerial topographic mapping with City prior to performing this task.

All surveys are to be performed according to the current Caltrans Surveys Manual, the California Spatial Reference Network and the Orange County Surveyor standards. Work not covered by the manuals shall be performed in accordance with accepted professional surveying standards as typically approved by Caltrans. Mapping shall be developed in accordance with the current Caltrans surveying standards and the standards of the Orange County Surveyor. Survey information shall use latest state plane coordinates and elevations for future use during final design. Assumed coordinates and elevations shall not be used. Mapping of the survey data shall include all right of way locations and existing monumentation.

Deliverables

- One Reproducible Original of the Aerial Topographic Base Map with right of way

- Electronic File of the Aerial Topographic Base Map
- Digital Orthophoto TIFF file(s)
- Survey control datum
- Optional cross-section survey

d) Site Evaluation - Consultant will schedule a site inspection and evaluation. Consultant will verify record drawings and data, evaluate pavement and concrete infrastructure conditions, identify proposed improvements and requirements for private property improvements, if any, and inventory existing manholes, valves, pull boxes, survey monuments, roadway signage, pavement markings and other surface features. Street level photographs should also be taken of key project areas.

e) Environmental Study Area – Consultant shall work with City Staff to define the Environmental Study Area (ESA) for NEPA and CEQA compliance. For the scope of services, Consultant can assume the project to receive a Categorial Exclusion (CE) under NEPA and Categorial Exemption (CE) under CEQA. The Consultant shall perform environmental evaluations and prepare documents and checklists necessary for approval of a CE for both NEPA and CEQA. For other potential environmental impacts of the Project, Consultant shall add optional work items for any additional environmental clearance studies with associated fees for additional services needed.

Deliverables

- Record of ESA determination.
- Mapping of ESA.

f) Geotechnical Investigation – Consultant shall provide geotechnical investigations, including drainage infiltration evaluation, pavement design, retaining wall design, to complete the PAED and to make preliminary recommendations of construction solutions for the successful completion of the Project.

Deliverables:

- Geotechnical Report for design purposes as a part of the PAED.

g) Alternatives Analysis – Consultant shall consider alternatives to the Project and within the Project for the environmental assessment. Consultant shall present at least two alternative project configurations meeting the intentions of the Project and perform a cost-benefit analysis and risk analysis of each Project alternative. Following public outreach and consultations with stakeholders, identify the Project preferred alternative.

Deliverables

- Alternatives
- Cost-benefit analysis
- Risk analysis

- Preferred Alternative

h) Prepare Preliminary Design Plans – Consultant shall perform the following:

1) Create Design Base Sheets - Consultant will provide base sheets that are prepared through the compilation of the researched records, aerial photographs, topographic survey data, site visit findings, and utility records obtained from plans from utility companies. All plans shall be developed at 1" = 40' scale using the latest AutoCAD Civil 3D software and drafted using conventional line style and text annotation stored as a separate layer and meeting the standards and Title Block of the City of Laguna Hills. The Base Sheets shall match the perimeter of the Environmental Analysis Area as needed for the PAED, NEPA clearance and CEQA clearance. Base sheets shall be 24" by 36" in size.

2) Develop 35% Design Plans for the Preferred Alternative – Utilizing the Base Sheets, prepare the preliminary engineering plans for the Project in accordance with the Caltrans Highway Design Manual, California Manual of Uniform Traffic Control Devices; Standard Specifications for Public Works Construction (Green Book); Greenbook Standard Plans; and City Codes and Standards. Efforts under this task shall include but not be limited to: (1) preliminary geometric plans and profiles; (2) existing utility information; (3) hydrology studies and hydraulic analysis as needed to identify the need for changes to or additional drainage facilities; (4) right of way identification and needs; (5) traffic control; and (6) water quality management plans/compliance with NPDES. Information shown on the plans shall include: (1) assessor parcel numbers; (2) high risk and low risk utilities; (3) existing and proposed right-of-way lines; (4) limits of access control; (5) property access modifications; (6) project limits; (7) mobility configurations; (8) bicycle and pedestrian facilities; and (9) geotechnical recommendations/grading plans.

The Consultant shall verify the proposed improvements can be constructed within the existing or proposed roadway right of way. The Consultant shall also identify any modifications to existing improvements required to construct the Project and identify rights of way and need for Title Reports, including permits from other agencies, as may be required to complete the project.

In addition to the preliminary engineering plans, photo-simulations and easy to read concept plans shall be created as a part of these tasks at a scale as needed. These documents are intended for use at public meetings and should be easy to read and visualize the proposed alternatives.

State and local governments, regardless of whether they receive federal financial assistance, are required to comply with federal 2010 ADA Standards, Title 24 of the California Code of Regulations (which contains California building regulations), or local code, whichever provides the greatest access. Private-funded improvements within the public Right of Way are also required

to comply with the federal 2010 ADA Standards or with Title 24, whichever code offers the greatest access or protection to individuals with disabilities. All new and altered pedestrian facilities such as, but not limited to sidewalks, crosswalks, pedestrian overpasses, underpasses, and ramps must be made accessible to persons with disabilities in accordance with federal and state accessibility standards on all federal-aid projects.

3) Right of Way. Identify the necessary or probable right of way acquisition needs to allow for construction of the project. Prepare a preliminary right-of-way map with estimated easement costs.

4) Probable Construction Cost Estimates – Consultant will assess viable design alternatives and identify their probable construction cost estimates, considering the current cost environment and the expectation the project will not begin construction for up to 18 months. Consultant will assess construction costs, utility relocation costs, right of way acquisition costs, impacts to residents and businesses associated with each design option and develop an accurate cost-benefit analysis for any alternatives.

Deliverables

- Preliminary geometric plans and profiles
- Exhibits supporting the constructability of the project
- Presentation materials for community and stakeholder outreach meetings
- Photo simulations (assume 2)
- Probable Construction cost estimates
- Right of way needs and acquisition costs

3. Community Engagement

Multi-disciplinary involvement ensures a dynamic set of solutions for delivery within the community addressing infrastructure and non-infrastructure needs. Stakeholder engagement is critical to the success of this Project. The Consultant shall utilize relevant and comprehensive strategies to receive feedback from as many residents and local businesses in the community as feasible. It is expected the Consultant will have an ongoing dialogue with the stakeholders for the duration of the Project. The Consultant shall lead all community engagement events required in this RFP in consultation with the City's Designated Project Manager.

The Consultant shall propose a Public Outreach Plan that includes at least two events and a schedule to accomplish the community engagement tasks. At least one event shall be in-person. The Proposal shall state which events are proposed to be virtual. The Public Outreach Plan shall include a strategy to inform the community of the Project, provide regular updates, and offer channels for participation and feedback. Consultant shall provide a hosted two-way communication portal for public input and response. Consultant shall carefully document all public feedback and response thereto. Strategies may include

providing content for a Project website, hard copy mailings, social media posts, etc. The Public Outreach Plan shall include multiple methods of communication to ensure participation from stakeholders. Consultant shall submit all public outreach material to the City for approval before its release. The City will assist with mailings (if any) and placing materials on the City's website.

Deliverables

- Community and stakeholder outreach plan.
- Community and stakeholder outreach implementation – documentation of two-way communications.
- Materials with graphics.
- Support of the City's project website
- In-person meeting attendance at community and stakeholder outreach meetings.

4. Project Approval and Environmental Documentation Report

Consultant shall complete all PAED requirements as defined in Chapter 6 of the Local Assistance Procedure Manual and any additional information required by Caltrans leading to the approval of the PAED and NEPA clearance. The Consultant shall prepare the appropriate environmental clearance document, including any necessary checklists, environmental studies and Mitigation Monitoring and Reporting Program. For the scope of services, Consultant can assume the project to receive a Categorial Exclusion (CE) under NEPA and Categorial Exemption (CE) under CEQA. For other potential environmental impacts of the Project and environmental studies, Consultant shall add optional work items for any additional environmental clearance studies with associated fees for additional services needed.

The consultant shall distribute and coordinate the environmental clearance document submittal for a CE for NEPA and CEQA, including the filing of Notice of Intent, Notice of Completion, and Notice of Determination, payment of all applicable filing fees, and mailing of all public notices to stakeholders and regulatory agencies. The consultant shall be responsible for the overall management and supervision of the environmental review, including consultation with the appropriate state, tribal councils and local agencies.

Consultant shall complete the following studies:

a) Traffic and Alternatives Analysis – Consultant shall prepare a traffic study, including measuring and collecting necessary traffic data, VMT analysis and support for recommendations for bicycle facilities, pedestrian facilities and traffic control consistent with the *City of Laguna Hills Vehicle Miles Traveled Analysis Guidelines under CEQA and General Plan Development Review Traffic Study Guidelines*.

Deliverables

- Traffic Analysis Memorandum
- Opportunities and Constraints Analysis to be incorporated into the PAED.

b) Phase I Initial Site Assessment: This task shall include preparing the Phase I Initial Site Assessment (ISA). The ISA shall include all pertinent information regarding listed hazardous waste and potential hazardous waste sites in the vicinity of the Project. During the preparation of the ISA, the Consultant shall review published lists of hazardous waste sites and search as necessary available files of federal, state, regional, and local agencies.

c) Other Environmental Assessments – Consultant shall include complete the Environmental Checklist Forms necessary for CE for NEPA and CEQA. Consultant shall include additional work items/services and associated fee for additional studies/evaluations of any environmentally sensitive conditions with reasonably anticipated adverse environmental impacts, as needed. Said Checklist work and additional studies/evaluations shall fulfill the completion and approval, by both Caltrans and the City, of both 1) the Project's NEPA clearance in full compliance with Chapter 6 of the Local Assistance Procedure Manual, other related guidance documents and Federal Law and 2) CEQA clearance meeting the City's standards and State Law.

   Consultant shall first prepare a Preliminary Environmental Study (PES) checklist. The content and format requirements of environmental technical studies/reports and NEPA documents prepared in support of the project must follow the guidance set forth in the Caltrans Standard Environmental Reference (SER) available at https://dot.ca.gov/programs/environmental-analysis/standard-environmental-reference-ser and Federal Law.

d) The content and format requirements of environmental technical studies/reports and CEQA documents prepared in support of the project must follow the City's CEQA Manual and State Law.

   Consultant shall recommend and prepare the type of environmental determination, as minimally necessary, with all supporting studies, to approve the Project NEPA and Project CEQA clearance and approvals by Caltrans and City, respectively. Consultant shall prosecute the NEPA and CEQA approvals to completion.

   Consultant shall assist the City's Project Manager with documentation necessary to procure federal Environmental Clearance per Caltrans requirements.

Deliverables

- NEPA Environmental Checklist Form and recommended environmental determination.
- CEQA Environmental Checklist Form and recommended environmental determination.
- Traffic and Alternatives Analysis.
- Initial Site Assessment

- Other Environmental studies/evaluations of anticipated Project adverse environmental impacts to be incorporated into the PAED (separate optional/ additional services item and associated fee).
- PES Checklist.
- PAED report.
- Local Assistance Procedure Manual NEPA Forms as approved by Caltrans.
- City CEQA Forms as approved by City.
- The environmental clearance documents with supporting studies for both NEPA and CEQA
- Communications with interest groups and stakeholders.
- Caltrans approved NEPA determination.
- City approved CEQA determination.
- Mitigation Monitoring and Reporting Program (if necessary)
- Notice of Intent, Notice of Completion, Notice of Determination and Recorded/published notices as required by practice or law.
- Supporting documents as necessary for the procurement of federal Environmental Clearance.

Task 2 – PS&E Phase

The following tasks and deliverables are required for Task 2, the PS&E Phase. Consultant may offer additional services in furtherance of the goals of this Project. The Notice to Proceed for Task 2 shall not be issued unless Task 1 has been satisfactorily completed as solely determined by City. The Task 2 Scope of Work and Fee will be reviewed prior to the issuance of the Notice to Proceed for Task 2. The Fee may be further negotiated depending upon changes to the final Scope of Work, as deemed necessary by the City.

a. Project Management

Same Scope of Work and Deliverables as described in the PAED Phase, adjusted to the schedule of the PS&E Phase.

Deliverables

- Same for PAED Phase

b. Plans, Specifications and Estimate

Consultant shall complete the following:

a) Based upon the approved PAED and Preferred Alternative, develop the 65%, 90% and 100% complete Plans, Specifications and Estimate meeting the City's, Caltrans' and good engineering practices and standards, and satisfying federal requirements
b) Revise the plans in response to City review comments.
c) Prepare Bid Specifications consistent with the City's template.
d) Provide probable construction cost estimates.

e) Provide supplemental Geotechnical Evaluations as needed for the Project.
f) Provide supplemental Survey work as needed for the Project.
g) Account for any required environmental mitigation measures.
h) Provide Utility Coordination and Letter Notices issued at the 65% and 100% plan completion points, respectively.
i) Assist the City's Project Manager with the procurement of federal Right-Of-Way Certification.
j) With the suspension of DBE goals per USDOT/FHWA, consultant to include an additional services item and associated fee for determination of a construction DBE goal for submittal to Caltrans per LAPM Chapter 9.
k) Assist the City's Project Manager with supporting documentation as needed for the procurement of the E-76 authorizing the Construction Phase.

Deliverables

- Plans at the 65%, 90% and 100% Completion in hard copy, pdf and CADD formats.
- Utility Coordination Letters
- Project Specifications per City Template
- Project Probable Construction Cost Estimates
- Caltrans Forms – LAPM Chapter 9, Chapter 12 and others
- As an additional services item, establishment of a construction DBE goal
- E-76 documentation required for federal Right-of-Way Certification and Authorization to Proceed with Construction

c. Bidding Assistance

Consultant shall complete the following:

a) Consultant shall timely respond to Bidder inquiries and questions about the Bid Set of Plans and Specifications during the entirety of the bid process.
b) Consultant shall evaluate the Bid Proposals.
c) Consultant shall attend and participate in the Project Preconstruction meeting.

Deliverables

- Bidder questions and Consultant answers, if any.
- Spreadsheet and narrative analysis and evaluation of Bid Proposals.
- Notes and Action Items from Preconstruction Meeting.

d. Construction Assistance

Consultant shall complete the following:

a) Respond to Contractor RFIs within 10 calendar days of receipt.
b) Respond to Contractor Submittals within 10 calendar days of receipt.
c) Maintain a detailed log of RFIs and Submittals.
d) Issue Plan Revisions, as needed, within 10 calendar days of notice of a revision needed.
e) Evaluate any contractor submitted change order requests.

f) Field review the Project Construction on a consistent schedule for progress of construction and conformance with the intent of the plans (this task does not include project management, construction management, labor compliance or daily inspection).
g) Provide drawings of record/As-Builts at completion of the construction.

Deliverables

- RFI responses
- Submittal responses
- RFI and Submittal Log
- Plan revisions, if any, during construction
- Change Order Evaluations, if any
- Documentation of Consultant routine field reviews during construction
- Drawings of Record/As-Builts in hard copy, pdf and CADD formats

e. Access to City Reports and Resources

Consultant shall review the below described reference documents as are being provided as additional documents.

- City of Laguna Hills Vehicle Miles Traveled Analysis Guidelines under CEQA and General Plan Development Review Traffic Study Guidelines
- Revised Conceptual Project Renderings from August 2025 Workshop
- September 9, 2025 City Council staff report for the Mobility Element Amendment to General Plan
- Signed Program Supplement to Administering Agency-State Agreement for federal-aid projects

End of Section, continue to next page.

SECTION V

SCHEDULE OF COMPENSATION/FEES

Compensation will be provided in accordance with Section 2 of the Sample Professional Agreement (Attachment 4). Compensation will be made at the fees and schedule contained in the Proposer's Proposal/Scope of Work and subject to a Maximum Contract Amount as agreed upon by Proposer and City.

The compensation proposal must be submitted at the same time as the Proposal in a separate sealed envelope.

In order to facilitate comparison of proposals, the City requires all compensation proposals to be submitted in the format below based on the tasks and sub tasks as noted in the Scope of Services above.

The Proposer shall provide a cost proposal in a tabular format by task (to be listed by row) with the following items (to listed by column)

1. Staff title, level, name;
2. Hourly rate;
3. Anticipated staff hours

Include subtotals by task and a projected total cost for the entire proposal.

An example is shown below:

Cost Proposal					
Service Provider	Person 1 Name	Person 2 Name	Person 3 Name	Person 4 Name	Projected Subtotals
Title	Project Manager	Principal	Technician	Administrative Assistant	
Billing Rate	$190	$155	$135	$95	
Task A:	1	3	30	10	$5,655
Task B:	1	2	20	5	$3,675
Projected Totals	2	5	50	15	$9,330

If awarded a contract by the City, the City expects that the fees, rates, and/or unit prices set forth in Consultant's Proposal shall remain fixed and unchanged.

End of Section, continue to next page.

ATTACHMENT 1

NON-COLLUSION AFFIDAVIT

The undersigned represents and certifies that:

1. This Proposal is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization or corporation.
2. This Proposal is genuine and not collusive or sham.
3. The Proposer has not directly or indirectly induced or solicited any other Proposer to put in a false or sham proposal and has not directly or indirectly colluded, conspired, connived, or agreed with any other Proposer or anyone else to put in sham proposal or to refrain from submitting to this RFP.
4. The Proposer has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the proposal price or to fix any overhead, profit or cost element of the proposal price or to secure any advantage against the City of Laguna Hills or of anyone interested in the proposed contract.
5. Proposer affirms that all statements contained in the Proposal and related documents are true and correct.
6. Proposer has not directly or indirectly submitted the proposal price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay any fee to any person, corporation, partnership, company, association, organization, RFP depository, or to any member or agent thereof to effectuate a collusive or sham proposal.
7. Proposer has not entered into any arrangement or agreement with any City of Laguna Hills public officer in connection with this proposal.
8. Proposer understands that collusive bidding is a violation of State and Federal law and can result in fines, prison sentences, and civil damage awards.

I declare under penalty of perjury pursuant to the laws of the State of California and the United States that the foregoing facts are true and correct. Executed this _____ day of _____, 2025, at _____, California.

_____
Signature of Authorized Representative

_____ _____
Name of Authorized Representative Title of Authorized Representative

ATTACHMENT 2

CONSULTANT'S ACKNOWLEDGEMENT OF COMPLIANCE WITH INSURANCE REQUIREMENTS FOR AGREEMENT FOR PROFESSIONAL SERVICES

Consultant agrees, acknowledges, understands and is fully aware of the insurance requirements as specified in ***Section 5, Insurance Requirements*** of the attached sample Agreement for Professional Services (Attachment 4) and hereby accepts all conditions and requirements as contained therein.

Consultant: _____
Name (Please Print or Type)

By: _____
Consultant's Signature & Title

Date: _____

This executed form must be submitted with proposal.

ATTACHMENT 3

CERTIFICATION OF PROPOSAL TO THE CITY OF LAGUNA HILLS

The undersigned hereby submits its proposal and agrees to be bound by the terms and conditions of this Request for Proposal (RFP). By signing the Certification of Proposal (**Attachment 3**) and submitting a proposal to the City in response to this Request for Proposals, the Proposer hereby represents and certifies that:

A) No elected or appointed official, officer, or employee of the City has been or shall be compensated, directly or indirectly, in connection with this proposal or for any work connected with this proposal; should any agreement be approved in connection with this Request for Proposals ("Agreement") no elected or appointed official, officer, or employee of the City, during the term of his/her service with the City, shall have any direct or indirect financial interest in the Agreement, or obtain any present, anticipated, or future financial interest or other material benefit arising therefrom;

B) No elected or appointed official, officer, or employee of the City shall have any financial interest, direct or indirect, in the Agreement nor shall any such official, officer, or employee participate in any decision relating to the Agreement which effects his/her personal financial interest or the financial interest of any corporation, partnership, or association in which they are, directly or indirectly, interested in violation of state law;

C) The Proposer and its principals do not have now, nor shall it acquire any financial or business interest that would conflict with the performance of services under the Agreement;

D) Proposer does not and will not discriminate against any employee or applicant for employment because of race, religion, gender, color, national origin, sexual orientation, ancestry, marital status, physical condition, pregnancy or pregnancy related conditions, political affiliation or opinion, age or medical condition;

E) By submitting the response to this request, Proposer agrees, if selected, to furnish services to the City in accordance with this RFP;

F) Proposer has carefully reviewed its proposal and understands and agrees that the City is not responsible for any errors or omissions on the part of the Proposer and that the Proposer is responsible for them;

G) It is understood and agreed that the City reserves the right to accept or reject any or all proposals and to waive any informality or irregularity in any proposal received by the City;

H) The proposal response includes all of the commentary, figures and data required by this Request for Proposal.

l) The proposal shall be valid for 180 days from the date of submittal to the City.

I declare under penalty of perjury pursuant to the laws of the State of California and the United States that the foregoing facts are true and correct.

Executed this _____ day of _____, 2025, at _____, California.

Name of Proposer:_____

By:_____
(Authorized Signature)

Type Name:_____

Title:_____

Date:_____

ATTACHMENT 4

SAMPLE DRAFT PROFESSIONAL SERVICES AGREEMENT

(Subject to Revision by City Upon Final Contract Award)

PROFESSIONAL SERVICES AGREEMENT
Consultant

Project Name

THIS PROFESSIONAL SERVICES AGREEMENT (hereinafter "Agreement") is made and entered into, to be effective the ___ day of _____ 2025, by and between the CITY OF LAGUNA HILLS, a municipal corporation organized and existing under the laws of the State of California, (hereinafter referred to as "City") and _____, a California corporation (hereinafter referred to as "Consultant"). City and Consultant are sometimes hereinafter individually referred to as "Party" and are hereinafter collectively referred to as the "Parties."

RECITALS

A. City has determined that there is a need to retain the professional services of a qualified licensed civil engineering firm to provide Project Approval and Environmental Documentation (PAED) and, if requested, the Plans, Specifications and Estimates (PS&E) for the Paseo De Valencia and Cabot Road Active Transportation Enhancements Project, as well to provide the City with other as-needed civil engineering, project management, and consulting services, that may be required on an as-needed, on-call basis (the "Project").

B. In response to City's Request for Proposals (RFP), dated _____, 2025, Consultant has submitted to City a proposal, dated _____, 2025, to provide the City with professional civil engineering and/or traffic engineering consulting services for the Project pursuant to the terms of this Agreement.

C. Consultant represents and maintains that it is uniquely qualified by virtue of its experience, training, education, reputation, and technical expertise to provide the professional civil engineering and/or traffic engineering consulting services to City for the Project and has agreed to provide such services as provided herein. City does not have the personnel, training, certification, specialized equipment, or technical expertise necessary to perform the work and services contracted for herein.

D. City desires to retain Consultant to provide such professional civil engineering and/or traffic engineering consulting services for the Project.

E. *The Project is funded in whole, or in part, with federal funding administered through Caltrans. Italicized words set forth herein reflect certain requirements by Caltrans and/or state or federal laws and regulations, including the Caltrans Local Assistance Procurement Manual (LAPM).*

NOW, THEREFORE, in consideration of the promises and mutual obligations, covenants, and conditions contained herein, and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

AGREEMENT

1. SERVICES OF CONSULTANT

1.1 Scope of Services and Standard of Performance. In compliance with all terms and conditions of this Agreement, Consultant agrees to provide and perform the professional civil engineering consulting services for the Project as set forth in the Proposal/Scope of Work, dated May 22, 2025, which is attached hereto as Exhibit "A"

and is incorporated herein by reference (hereinafter referred to as the "Scope of Services," the "Services" or "Work"). As a material inducement to the City entering into this Agreement, Consultant acknowledges and understands that the Services and Work contracted for under this Agreement require specialized skills and abilities and that, consistent with this understanding, Consultant's Services and Work shall be performed in a skillful and competent manner and shall be held to a standard of quality and workmanship prevalent in the industry for such Services and Work and with the standards recognized as being employed by professionals in the same discipline in the State of California. Consultant represents and warrants that it is skilled in the professional discipline necessary to perform the Services and Work and that it holds the necessary skills and abilities to satisfy the standard of work as set forth in this Agreement. Consultant represents and warrants that it and all of its employees, subconsultants and subcontractors providing any Work or Services under this Agreement shall have sufficient skill and experience to perform the Services and Work assigned to them. All Services and Work shall be completed to the reasonable satisfaction of the City.

1.2 Contract Documents. The Agreement between the Parties shall consist of the following: (1) this Agreement; and, (2) the Consultant's signed, original Proposal/Scope of Work dated May 22, 2025 submitted to the City ("Consultant's Proposal"), which shall both be referred to collectively hereinafter as the "Contract Documents." The Consultant's Proposal/Scope of Work is attached hereto as Exhibit "A" and is hereby incorporated by reference and made a part of this Agreement. All provisions of the Contract Documents shall be binding on the Parties. Should any conflict or inconsistency exist in the Contract Documents, the conflict or inconsistency shall be resolved by applying the provisions in the highest priority document, which shall be determined in the following order of priority: (1st) the terms and conditions of this Agreement; and (2nd) the provisions of the Consultant's Proposal (Exhibit "A").

1.3 Compliance with Law. Consultant shall comply at all times during the term of this Agreement with all applicable federal, state, and local laws, statutes, and ordinances and all lawful orders, rules, and regulations promulgated thereunder, including without limitation all applicable fair labor standards and Cal/OSHA requirements. Consultant shall keep itself fully informed of and in compliance with all local, state, and federal laws, rules, and regulations in any manner affecting the performance of the Work and Services, including all Cal/OSHA requirements, and shall give all notices required by law. Consultant shall be liable for all violations of such laws and regulations in connection with performing the Work and Services. If Consultant performs any Work or Services in violation of such laws, rules, and regulations, Consultant shall be solely responsible for all penalties and costs arising therefrom. Consultant shall defend, indemnify, and hold City, its elected and appointed officials, officers, employees, agents and volunteers, free and harmless from any claim or liability arising out of any failure or alleged failure to comply with such laws, rules, or regulations.

1.4 Licenses, Permits, Fees, and Assessments. Prior to performing any Services or Work hereunder Consultant shall obtain all licenses, permits, qualifications, and approvals of whatever nature that are legally required to practice its profession and perform the Work and Services required by this Agreement. Consultant represents and warrants to City that Consultant shall, at its sole cost and expense, keep in effect at all times during the term of this Agreement and any extension, any license, permit, qualification, or approval that is legally required for Consultant to perform the Work and Services under this Agreement. Consultant shall have the sole obligation to pay for any fees, assessments, and taxes, plus applicable penalties and interest, which may be imposed by law and arise from or are necessary for the Consultant's performance of the Work and Services required by this Agreement, and shall defend, indemnify, and hold the City, its elected and appointed officials, officers, employees, agents and volunteers, free and harmless from and against any claim or liability arising out of any failure or alleged failure to obtain such license, permits, and approvals of whatever nature that are legally required to perform the Work or Services.

1.5 Familiarity with Work. By executing this Agreement, Consultant represents and warrants that it (a) has thoroughly investigated and considered the Scope of Work or Services to be performed, (b) has carefully considered how the Services should be performed and has carefully examined the location or locations at or with respect to where such Services or Work is to be performed, and (c) fully understands the facilities, difficulties, and restrictions attending performance of the Services under this Agreement. If the Services involve work upon any site, Consultant represents and maintains that Consultant has or will investigate the site and is or will be fully acquainted with the conditions there existing, prior to commencement of any Services hereunder. Should the Consultant discover any latent or unknown conditions that will materially affect the performance of the Services hereunder, Consultant shall immediately inform the City of such fact and shall not proceed except at Consultant's risk until written instructions are received from the City.

1.6 Care of Work. Consultant shall adopt reasonable methods during the term of the Agreement to furnish continuous protection to the Work and the equipment, materials, papers, documents, plans, studies, and/or other components thereof to prevent losses or damages, and shall be responsible for all such damages, to persons or property, until acceptance of the Work by the City, except such losses or damages as may be caused by City's own negligence.

1.7 Further Responsibilities of Parties. Both Parties agree to use reasonable care and diligence to perform their respective obligations under this Agreement. Both Parties agree to act in good faith to execute all instruments, prepare all documents, and take all actions as may be reasonably necessary to carry out the purposes of this Agreement.

1.8 Additional Services. City shall have the right at any time during the performance of the Services, without invalidating this Agreement, to order extra work beyond that specified in the Consultant's Proposal/Scope of Services (Exhibit "A") or make changes by altering, adding to, or deducting from such Work. No such extra work may be undertaken unless a written order is first given by the City to the Consultant, incorporating therein any adjustment in (i) the Maximum Contract Amount, as defined below, and/or (ii) the time to perform this Agreement, which adjustments are subject to the written approval of the Consultant. It is expressly understood by Consultant that the provisions of this section shall not apply to the Work and Services specifically set forth in the Scope of Services or reasonably contemplated therein, regardless of whether the time or materials required to complete any Work or Service identified in the Scope of Services exceeds any time or material amounts or estimates provided therein.

1.9 Non-Exclusive Agreement. Consultant acknowledges that City may enter into agreements with other contractors, consultants, or vendors for services similar to the services that are the subject of this Agreement. Consultant further acknowledges that City may have its own employees perform services similar to the services that are the subject of this Agreement.

1.10 Debarment and Suspension Certification.

A. Consultant's signature affixed herein shall constitute a certification under penalty of perjury under the laws of the State of California, that Consultant or any person associated therewith in the capacity of owner, partner, director, officer, or manager; (1) is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency; (2) has not been suspended, debarred, voluntarily excluded, or determined ineligible by any federal agency within the past three (3) years; (3) does not have a proposed debarment pending; and (4) has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three (3) years.

B. Any exceptions to this certification must be disclosed to City. Exceptions will not necessarily result in denial of recommendation for award but will be considered in determining Consultant responsibility. Disclosures must indicate the party to whom exceptions apply, the initiating agency, and the dates of agency action.

C. Exceptions to the Federal Government excluded parties (https://sam.gov/content/home) maintained by the U.S. General Services Administration are to be determined by the Federal Highway Administration (FHWA).

2. COMPENSATION

2.1 Maximum Contract Amount. For the Services and Work rendered pursuant to this Agreement, Consultant shall be compensated by City for the services performed, including authorized reimbursements, on a time and materials basis in accordance with the professional hourly rates and charges set forth in the Schedule of Compensation/Fees, which is attached hereto as Exhibit "A" and is incorporated herein by reference, but not exceeding the total maximum contract amount of $_____(hereinafter referred to as the "Maximum Contract Amount"). The Maximum Contract Amount shall include the attendance of Consultant at all Project meetings deemed reasonably necessary by the City. Consultant shall not be entitled to any increase in the Maximum Contract Amount for attending these meetings. Compensation for necessary expenditures for reproduction costs, telephone expenses, and transportation expenses must be approved in advance by the Contract Officer designated pursuant to Section 4.2 and will only be approved if such expenses are also specified in the Schedule of Compensation/Fees. The maximum amount of City's payment obligation under this Agreement is the amount specified in this section.

2.2. Method of Payment. Unless some other method of payment is specified in the Schedule of Compensation/Fees (Exhibit "A"), in any month in which Consultant wishes to receive payment, no later than the tenth (10th) working day of such month, Consultant shall submit to the City, in a form approved by the City's Finance Director, an invoice for services rendered prior to the date of the invoice. Such requests shall be based upon the amount and value of the services performed by Consultant and accompanied by such reporting data including an itemized breakdown of all costs incurred and tasks performed during the period covered by the invoice, as may be required by the City. City shall use reasonable efforts to make payments to Consultant within forty-five (45) days after receipt of the invoice or a soon thereafter as is reasonably practical.

1. The method of payment for this Agreement will be based on lump sum. The total lump sum price paid to Consultant will include compensation for all work and deliverables, including travel and equipment described in the Scope of Services. No additional compensation will be paid to Consultant unless there is a change in the Scope of Services. In the instance of a change in the Scope of Services, adjustment to the total lump sum compensation will be negotiated between Consultant and City. Adjustment in the total lump sum compensation will not be effective until authorized by an Agreement amendment and approved by City.

2. Progress payments may be made monthly in arrears based on the percentage of work completed by Consultant. If Consultant fails to submit the required deliverable items according to the schedule set forth in the Scope of Services, City shall have the right to delay payment or terminate this Agreement in accordance with the Section 8.3, Termination.

3. Consultant shall not commence performance of Work or Services until this Agreement has been approved by City and notification to proceed has been issued by City's Contract Officer. No payment will be made prior to approval of any work, or for any work performed prior to approval of this Agreement.

4. Consultant will be reimbursed within thirty (30) days upon receipt by City's Contract Officer of itemized invoices in duplicate. Invoices shall be submitted no later than thirty (30) calendar days after the performance of work for which Consultant is billing. Invoices shall detail the work performed on each milestone, on each project as applicable. Invoices shall follow the format stipulated Section 2.2 and shall reference this Agreement number and project title. Final invoice must contain the final cost and all credits due City that include any equipment purchased under the provisions of Section 4.7 Equipment Purchase. The final invoice must be submitted within sixty (60) calendar days after completion of Consultant's work unless a later date is approved by City. Invoices shall be mailed to City's Contract Officer at the address specified in Section 10.2, Notices.

5. The total amount payable by City shall not exceed the amount specified in Section 2.1.

2.3 ***Intentionally omitted.***

2.4 **Changes in Scope.** In the event any change or changes in the Scope of Services is requested by the City, the Parties shall execute a written amendment to this Agreement, setting forth with particularity all terms of such amendment, including, but not limited to, any additional professional fees. An amendment may be entered into: (a) to provide for revisions or modifications to documents or other work product or work when documents or other work product or work is required by the enactment or revision of law subsequent to the preparation of any documents, other work product, or work; and/or (b) to provide for additional services not included in this Agreement or not customarily furnished in accordance with generally accepted practice in Consultant's profession.

2.5 **Appropriations.**

A. This Agreement is subject to and contingent upon funds being appropriated therefore by the Laguna Hills City Council for each fiscal year covered by the term of this Agreement. If such appropriations are not made, this Agreement shall automatically terminate without penalty to the City.

B. It is mutually understood between the parties that this Agreement may have been written before ascertaining the availability of funds or appropriation of funds, for the mutual benefit of both parties, in order to avoid program and fiscal delays that would occur if the Agreement were executed after that determination was made.

C. This Agreement is valid and enforceable only if sufficient funds are made available to City for the purpose of this Agreement. In addition, this Agreement is subject to any additional restrictions, limitations, conditions, or any statute enacted by the Congress, State Legislature, or City Council that may affect the provisions, terms, or funding of this Agreement in any manner.

D. It is mutually agreed that if sufficient funds are not appropriated, this Agreement may be amended to reflect any reduction in funds.

E. City has the option to terminate the Agreement pursuant to Section 8.3 or by mutual agreement to amend the Agreement to reflect any reduction of funds.

3. SCHEDULE OF PERFORMANCE

3.1 **Time of Essence.** Time is of the essence in the performance of this Agreement. The time for completion of the services to be performed by Consultant is an essential condition of this Agreement. Consultant

shall prosecute regularly and diligently the Work of this Agreement according to the agreed upon Schedule of Performance.

3.2 Schedule of Performance. Consultant shall commence the Services pursuant to this Agreement upon receipt of a written notice to proceed, or on each task order, if applicable, and shall perform all Services within the time period(s) established in the Schedule of Performance, which is attached hereto as Exhibit "A" and is incorporated herein by reference. When requested by Consultant, extensions to the time period(s) specified in the Schedule of Performance may be approved in writing by the Contract Officer; however, the City shall not be obligated to grant such an extension.

3.3 Force Majeure. The time period(s) specified in the Schedule of Performance for performance of the Services rendered pursuant to this Agreement shall be extended because of any delays due to unforeseeable causes beyond the control and without the fault or negligence of the Consultant (financial inability excepted), including, but not limited to, acts of God or of the public enemy, unusually severe weather, fires, earthquakes, floods, epidemics, pandemics, quarantine restrictions, riots, strikes, freight embargoes, wars, and/or acts of any governmental agency, including the City, if Consultant, within ten (10) days of the commencement of such delay, notifies the City Manager in writing of the causes of the delay. The City Manager shall ascertain the facts and the extent of delay, and extend the time for performing the Services for the period of the enforced delay when and if in the judgment of the City Manager such delay is justified. The City Manager's determination shall be final and conclusive upon the Parties to this Agreement. In no event shall Consultant be entitled to recover damages against the City for any delay in the performance of this Agreement, however caused, Consultant's sole remedy being extension of the Agreement pursuant to this section.

3.4 Term. Unless earlier terminated as provided elsewhere in this Agreement, this Agreement shall commence upon the effective date of this Agreement and shall continue in full force and effect for a period of one (1) year, commencing on July 1, 2025, and ending on June 30, 2026.

3.5 Task Orders. Consultant hereby agrees and acknowledges that any and all Services or Work performed pursuant to this Agreement shall be based upon the prior issuance of a written project task order by the City. Furthermore, Consultant hereby agrees and acknowledges that execution of this Agreement by the City does not in any way guarantee that a task order will be issued to Consultant. Moreover, execution of this Agreement by the City shall not entitle Consultant to any form of payment or compensation from the City without City first having issued a project task order.

4. COORDINATION OF WORK

4.1 Representative of Consultant. The following principal of Consultant is hereby designated as being the principal and representative of Consultant authorized to act in its behalf with respect to the Services to be performed under this Agreement and to make all decisions in connection therewith:_____ . It is expressly understood that the experience, knowledge, education, capability, expertise, and reputation of the foregoing principal is a substantial inducement for City to enter into this Agreement. Therefore, the foregoing principal shall be responsible during the term of this Agreement for directing all activities of Consultant and devoting sufficient time to personally supervise the Work or Services performed hereunder. The foregoing principal may not be changed by Consultant without prior written approval of the Contract Officer.

4.2 Contract Officer. The Contract Officer shall be such person as may be designated by the City Manager of City, and is subject to change by the City Manager. It shall be the Consultant's responsibility to ensure

that the Contract Officer is kept fully informed of the progress of the performance of the Services, and the Consultant shall refer any decisions which must be made by City to the Contract Officer. Unless otherwise specified herein, any approval of City required hereunder shall mean the approval of the Contract Officer. The Contract Officer shall have authority to sign all documents on behalf of the City required hereunder to carry out the terms of this Agreement.

4.3 Prohibition Against Subcontracting or Assignments.

A. The experience, knowledge, capability, expertise, and reputation of Consultant, its principals and employees, were a substantial inducement for City to enter into this Agreement. Therefore, Consultant shall not assign the performance of this Agreement, nor any part thereof, nor any monies due hereunder, voluntarily or by operation of law, without the prior written consent of City. Consultant shall not contract with any other entity to perform the Services required without prior written consent of City. If Consultant is permitted to subcontract any part of this Agreement by City, Consultant shall be responsible to City for the acts and omissions of its subcontractor(s) in the same manner as it is for persons directly employed. Nothing contained in this Agreement shall create any contractual relationships between any subcontractor and City. All persons engaged in the Work will be considered employees of Consultant. City will deal directly with and will make all payments to Consultant. In addition, neither this Agreement nor any interest herein may be transferred, assigned, conveyed, hypothecated, or encumbered voluntarily or by operation of law, whether for the benefit of creditors or otherwise, without the prior written consent of City. Transfers restricted hereunder shall include the transfer to any person or group of persons acting in concert of more than twenty five percent (25%) of the present ownership and/or control of Consultant, taking all transfers into account on a cumulative basis. In the event of any such unapproved transfer, including any bankruptcy proceeding, this Agreement shall be void. No approved transfer shall release Consultant or any surety of Consultant from any liability hereunder without the express written consent of City.

B. Nothing contained in this Agreement or otherwise, shall create any contractual relation between City and any subconsultant(s) or subcontractor(s), and no subcontract shall relieve Consultant of its responsibilities and obligations hereunder. Consultant agrees to be as fully responsible to City for the acts and omissions of its subconsultant(s), subcontractor(s), and of persons either directly or indirectly employed by any of them as it is for the acts and omissions of persons directly employed by Consultant. Consultant's obligation to pay its subconsultant(s) and subcontractor(s) is an independent obligation from City's obligation to make payments to the Consultant.

C. Consultant shall perform the Work contemplated with resources available within its own organization and no portion of the Work shall be subcontracted without written authorization by City's Contract Officer, except that, which is expressly identified in the approved Schedule of Compensation/Fees.

D. Consultant shall pay its subconsultants and subcontractors within fifteen (15) calendar days from receipt of each payment made to Consultant by City.

E. All subcontracts entered into as a result of this Agreement shall contain all the provisions stipulated in this entire Agreement to be applicable to subconsultants and subcontractors unless otherwise noted.

F. Any substitution of subconsultant(s) and subcontractor(s) must be approved in writing by City's Contract Officer in advance of assigning work to a substitute subconsultant or subcontractor.

G. Consultant or subconsultant shall pay to any subconsultant, not later than fifteen (15) days after receipt of each progress payment, unless otherwise agreed to in writing, the respective amounts allowed

Consultant on account of the Work performed by the subconsultants, to the extent of each subconsultant's interest therein. In the event that there is a good faith dispute over all or any portion of the amount due on a progress payment from Consultant or subconsultant to a subconsultant, Consultant or subconsultant may withhold no more than one hundred fifty percent (150%) of the disputed amount. Any violation of this requirement shall constitute a cause for disciplinary action and shall subject the licensee to a penalty, payable to the subconsultant, of two percent (2%) of the amount due per month for every month that payment is not made. In any action for the collection of funds wrongfully withheld, the prevailing party shall be entitled to his or her attorneys' fees and costs. The sanctions authorized under this requirement shall be separate from, and in addition to, all other remedies, either civil, administrative, or criminal. This clause applies to both DBE and non-DBE subconsultants.

H. No retainage will be held by the City from progress payments due to Consultant. Any retainage kept by Consultant or by a subconsultant must be paid in full to the earning subconsultant within fifteen (15) days after the subconsultant's work is satisfactorily completed. Any delay or postponement of payment may take place only for good cause and with the City's prior written approval. Any violation of these provisions shall subject the violating Consultant or subconsultant to the penalties, sanctions, and remedies specified in Section 3321 of the California Civil Code. This requirement shall not be construed to limit or impair any contractual, administrative or judicial remedies, otherwise available to Consultant or subconsultant in the event of a dispute involving late payment or nonpayment by Consultant, deficient subconsultant performance and/or noncompliance by a subconsultant. This clause applies to both DBE and non-DBE subconsultants.

I. Any violation of these provisions shall subject the violating Consultant or subconsultant to the penalties, sanctions and other remedies specified therein. These requirements shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to Consultant or subconsultant in the event of a dispute involving late payment or nonpayment by Consultant, deficient subcontract performance, or noncompliance by a subconsultant.

4.4 Independent Contractor.

A. The legal relationship between the Parties is that of an independent contractor, and nothing herein shall be deemed to make Consultant a City employee. During the performance of this Agreement, Consultant and its officers, employees, and agents shall act in an independent capacity and shall not act as City officers or employees. Consultant will determine the means, methods and details of performing the Services subject to the requirements of this Agreement. The personnel performing the Services under this Agreement on behalf of Consultant shall at all times be under Consultant's exclusive direction and control. Neither City nor any of its officials, officers, employees, agents or volunteers shall have control over the conduct of Consultant or any of its officers, employees, or agents, except as set forth in this Agreement. Consultant, its officers, employees or agents, shall not maintain a permanent office or fixed business location at City's offices. City shall have no voice in the selection, discharge, supervision, or control of Consultant's officers, employees, representatives or agents or in fixing their number, compensation, or hours of service. Consultant shall pay all wages, salaries, and other amounts due its employees in connection with the performance of Services under this Agreement as required by law and shall be responsible for all reports and obligations respecting them, including but not limited to social security income tax withholding, unemployment compensation, workers' compensation, and other similar matters. City shall not in any way or for any purpose be deemed to be a partner of Consultant in its business or otherwise a joint venturer or a member of any joint enterprise with Consultant.

B. Consultant shall not incur or have the power to incur any debt, obligation, or liability against City, or bind City in any manner.

C. No City benefits shall be available to Consultant, its officers, employees, or agents, in connection with the performance of any Work or Services under this Agreement. Except for professional fees paid to Consultant as provided for in this Agreement, City shall not pay salaries, wages, or other compensation to Consultant for the performance of any Work or Services under this Agreement. City shall not be liable for compensation or indemnification to Consultant, its officers, employees, or agents, for injury or sickness arising out of performing any Work or Services hereunder. If for any reason any court or governmental agency determines that the City has financial obligations, other than pursuant to Section 2 and Subsection 1.8 herein, of any nature relating to salary, taxes, or benefits of Consultant's officers, employees, representatives, agents, or subconsultants or subcontractors, Consultant shall defend, indemnify, and hold harmless City from and against all such financial obligations.

4.5 PERS Eligibility & Indemnification.

A. In the event that Consultant or any employee, agent, or subcontractor of Consultant providing any Work or Services under this Agreement claims or is determined by a court of competent jurisdiction or the California Public Employee Retirement System (PERS) to be eligible for enrollment in PERS as an employee of the City, Consultant shall indemnify, defend, and hold harmless City for the payment of any employee and/or employer contributions for PERS benefits on behalf of Consultant or its employees, agents or subcontractors, as well as for the payment of any penalties and interest on such contributions, which would otherwise be the responsibility of the City.

B. Notwithstanding any other agency, state or federal policy, rule, regulation, law or ordinance to the contrary, Consultant and any of its employees, agents, and subcontractors providing any Work or Services under this Agreement shall not qualify for or become entitled to, and hereby agree to waive any claims to, any compensation, benefit, or any incident of employment by City, including but not limited to eligibility to enroll in PERS as an employee of City and entitlement to any contribution to be paid by City for employer contribution and/or employee contributions for PERS benefits.

4.6 Cost Principles and Administrative Requirements.

A. Consultant agrees that 48 CFR Part 31, Contract Cost Principles and Procedures, shall be used to determine the allowability of individual terms of cost.

B. Consultant also agrees to comply with federal procedures in accordance with 2 CFR Part 200, Cost Principles, and Audit Requirements for Federal Awards.

C. Any costs for which payment has been made to Consultant that are determined by subsequent audit to be unallowable under 2 CFR Part 200 or 48 CFR Part 31 are subject to repayment by Consultant to City.

D. When Consultant or Subconsultant is a Non-Profit Organization or an Institution of Higher Education, the Cost Principles for Title 2 CFR Part 200 shall apply.

4.7 Equipment Purchase.

A. Prior authorization in writing by City's Contract Officer shall be required before Consultant enters into any unbudgeted purchase order, or subcontract exceeding five thousand dollars ($5,000) for supplies,

equipment, or Consultant Services. Consultant shall provide an evaluation of the necessity or desirability of incurring such costs.

B. For purchase of any item, service or consulting work not covered in Consultant's Schedule of Compensation/Fees and exceeding five thousand dollars ($5,000), with prior authorization by City's Contract Officer, three competitive quotations must be submitted with the request, or the absence of proposals must be adequately justified.

C. Any equipment purchased with funds provided under the terms of this Agreement is subject to the following:

1. Consultant shall maintain an inventory of all nonexpendable property. Nonexpendable property is defined as having a useful life of at least two (2) years and an acquisition cost of five thousand dollars ($5,000) or more. If the purchased equipment needs replacement and is sold or traded in, City shall receive a proper refund or credit at the conclusion of the Agreement, or if the Agreement is terminated, Consultant may either keep the equipment and credit City in an amount equal to its fair market value, or sell such equipment at the best price obtainable at a public or private sale, in accordance with established City procedures, and credit City in an amount equal to the sales price. If Consultant elects to keep the equipment, fair market value shall be determined at Consultant's expense, on the basis of a competent independent appraisal of such equipment. Appraisals shall be obtained from an appraiser mutually agreeable to by City and Consultant, if it is determined to sell the equipment, the terms and conditions of such sale must be approved in advance by City.

2. Regulation 2 CFR Part 200 requires a credit to federal funds when participating equipment with a fair market value greater than five thousand dollars ($5,000) is credited to the Project.

4.8 Inspection of Work. *Consultant, subconsultant(s), and subcontractor(s) shall permit City, the State, and the FHWA, if federal participating funds are used in this Agreement, to review and inspect the Project activities and files at all reasonable times during the performance period of this Agreement.*

4.9 Safety.

A. Consultant shall comply with OSHA regulations applicable to Consultant regarding necessary safety equipment or procedures. Consultant shall comply with safety instructions issued by City's Public Works Director/City Engineer and other City representatives. Consultant's personnel shall wear hard hats and safety vests at all times while working on the construction Project site.

B. Pursuant to the authority contained in Section 591 of the Vehicle Code, City has determined that such areas are within the limits of the Project and are open to public traffic. Consultant shall comply with all of the requirements set forth in Divisions 11, 12, 13, 14, and 15 of the Vehicle Code. Consultant shall take all reasonably necessary precautions for safe operation of its vehicles and the protection of the traveling public from injury and damage from such vehicles.

C. Any subcontract entered into as a result of this Agreement shall contain all of the provisions of this Section.

5. INSURANCE

5.1 Compliance with Insurance Requirements. Consultant shall obtain, maintain, and keep in full force and effect during the term of this Agreement, at its sole cost and expense, and in a form and content satisfactory to City, all insurance required under this section. Consultant shall not commence any Work or Services under this Agreement unless and until it has provided evidence satisfactory to City that it has secured all insurance required under this section. If Consultant's existing insurance policies do not meet the insurance requirements set forth herein, Consultant agrees to amend, supplement or endorse the policies to do so.

5.2 Types of Insurance Required. As a condition precedent to the effectiveness of this Agreement, and without limiting the indemnity provisions set forth in this Agreement, Consultant shall obtain and maintain in full force and effect during the term of this Agreement, including any extension thereof, the following policies of insurance:

A. Commercial General Liability Insurance. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Commercial General Liability Insurance written on an occurrence basis with limits of at least one million dollars ($1,000,000.00) per occurrence, two million dollars ($2,000,000.00) in the general aggregate, and one million dollars ($1,000,000.00) for products and completed operations. Defense costs shall be paid in addition to the limits. The policy shall contain no endorsements or provisions limiting coverage for (1) contractual liability; (2) cross liability exclusion for claims or suits by one insured against another; or (3) contain any other exclusion contrary to the Agreement.

B. Automobile Liability Insurance. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Automobile Liability Insurance written on a per occurrence basis with limits of at least one million dollars ($1,000,000.00) combined limit for each occurrence covering bodily injury and property damage. The policy shall specifically include coverage for owned, non-owned, leased, and hired automobiles.

C. Workers' Compensation Insurance. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Workers' Compensation Insurance in at least the minimum statutory amounts, and in compliance with all other statutory requirements, as required by the State of California. Consultant agrees to waive and obtain endorsements from its workers' compensation insurer waiving all subrogation rights under its workers' compensation insurance policy against the City, its officials, officers, employees, agents and volunteers, and to require each of its subconsultants and subcontractors, if any, to do likewise under their workers' compensation insurance policies. Consultant shall obtain and maintain, in full force and effect throughout the term of this Agreement, a policy of Employer's Liability Insurance written on a per occurrence basis with limits of at least one million dollars ($1,000,000.00) per accident for bodily injury or disease.

D. Professional Liability (Errors & Omissions) Insurance. Consultant shall obtain and maintain in full force and effect throughout the term of this Agreement, a policy of Professional Liability or Errors and Omissions Insurance appropriate to Consultant's profession with limits of at least two million dollars ($2,000,000.00). Covered professional services shall specifically include all Work or Services to be performed under the Agreement and delete any exclusions that may potentially affect the Work or Services to be performed under this Agreement.

1. *Intentionally omitted*.

2. If the policy of insurance is written on a "claims-made" basis, the City may require that the policy be continued in full force and effect at all times during the term of this Agreement, and for a period of three

(3) years from the date of the completion of the Work or Services provided hereunder. In the event of termination of the policy during this period, Consultant shall obtain continuing insurance coverage for the prior acts or omissions of Consultant during the course of performing the Work or Services under the terms of this Agreement. The coverage shall be evidenced by either a new policy evidencing no gap in coverage, or by obtaining separate extended "tail" coverage with the present or new carrier or other insurance arrangements providing for complete coverage, either of which shall be subject to the written approval by the City.

3. In the event the policy of insurance is written on an "occurrence" basis, the policy shall be continued in full force and effect during the term of this Agreement, or until completion of the Work or Services provided for in this Agreement, whichever is later. In the event of termination of the policy during this period, new coverage shall immediately be obtained to ensure coverage during the entire course of performing the Work or Services under the terms of this Agreement.

5.3 Acceptability of Insurers. Insurance required by this section shall be issued by a licensed company authorized to transact business in the state by the Department of Insurance for the State of California with a current rating of A-:VII or better (if an admitted carrier), or a current rating of A:X or better (if offered by a non-admitted insurer listed on the State of California List of Approved Surplus Lines Insurers (LASLI), by the latest edition of A.M. Best's Key Rating Guide, except that the City will accept workers' compensation insurance from the State Compensation Fund. In the event the City determines that the Work or Services to be performed under this Agreement creates an increased or decreased risk of loss to the City, the Consultant agrees that the minimum limits of the insurance policies may be changed accordingly upon receipt of written notice from the City. Consultant shall immediately substitute any insurer whose A.M. Best rating drops below the levels specified herein.

5.4 Insurance Endorsements. Required insurance policies shall not be in compliance if they include any limiting provision or endorsement that has not been submitted to the City for written approval. Required insurance policies shall contain the following provisions, or Consultant shall provide endorsements on forms approved by the City to add the following provisions to the insurance policies:

A. The policy or policies of insurance required by this section for Commercial General Liability and Automobile Liability Insurance shall be endorsed to provide the following:

1. Additional Insured: The City, its officials, officers, employees, agents and volunteers, shall be additional insureds with regard to liability and defense of suits or claims arising out of the performance of the Agreement; and

2. Additional Insured Endorsements: Additional insured endorsements shall not (1) be restricted to "ongoing operations", (2) exclude "contractual liability", (3) restrict coverage to "sole" liability of Consultant, or (4) contain any other exclusions contrary to the Agreement; and, the coverage shall contain no special limitations on the scope of protection afforded to additional insureds.

3. Notice: The policy or policies of insurance required by this section for Commercial General Liability and Automobile Liability Insurance shall be endorsed to state that coverage shall not be suspended, voided, cancelled, or modified, or reduced in coverage or in limits, except after thirty (30) days prior written notice by First Class U.S. Mail, postage-prepaid, has been provided to the City. Notwithstanding the foregoing, if coverage is to be suspended, voided, or cancelled because of Consultant's failure to pay the insurance premium, the notice provided to City shall be by ten (10) days prior written notice.

B. For all policies of Commercial General Liability Insurance, Consultant shall provide endorsements for ongoing operations and completed operations to effectuate this requirement.

5.5 Deductibles and Self-Insured Retentions. Any deductible or self-insured retention must be approved in writing by the City in advance and shall protect the City, its officials, officers, employees, agents and volunteers, in the same manner and to the same extent as they would have been protected had the policy or policies not contained a deductible or self-insured retention.

5.6 Primary and Non-Contributing Insurance. All policies of Commercial General Liability Insurance and Automobile Liability Insurance shall be primary and any other insurance, deductible, or self-insurance maintained by the City, its officials, officers, employees, agents or volunteers, shall not contribute with this primary insurance. Policies shall contain or be endorsed to contain such provisions.

5.7 Waiver of Subrogation. All policies of Commercial General Liability and Automobile Liability Insurance shall contain or be endorsed to waive subrogation against the City, its officials, officers, employees, agents and volunteers, or shall specifically allow Consultant or others providing insurance evidence in compliance with the requirements set forth in this section to waive their right to recovery prior to a loss. Consultant hereby agrees to waive its own right of recovery against the City, its officials, officers, employees, agents and volunteers, and Consultant hereby agrees to require similar written express waivers and insurance clauses from each of its subconsultants or subcontractors.

5.8 Evidence of Coverage. Concurrently with the execution of the Agreement, Consultant shall deliver certificates of insurance together with original endorsements affecting each of the insurance policies required by this section. Required insurance policies shall not be in compliance if they include any limiting provision or endorsement that has not been submitted to the City for written approval. The certificates of insurance and original endorsements for each insurance policy shall be signed by a person authorized by that insurer to bind coverage on its behalf. At least fifteen (15) days prior to the expiration of any such policy, evidence of insurance showing that such insurance coverage has been renewed or extended shall be filed with the City. If such coverage is cancelled or reduced and not replaced immediately so as to avoid a lapse in the required coverage, Consultant shall, within ten (10) days after receipt of written notice of such cancellation or reduction of coverage, file with the City evidence of insurance showing that the required insurance has been reinstated or has been provided through another insurance company or companies. Consultant shall promptly furnish, at City's request, copies of actual policies including all declaration pages, endorsements, exclusions and any other policy documents City requires to verify coverage.

5.9 Requirements Not Limiting. Requirement of specific coverage or minimum limits contained in this section are not intended as a limitation on coverage, limits, or other requirements, or a waiver of any coverage normally provided by any insurance. Nothing in this section shall be construed as limiting in any way the indemnification provision contained in this Agreement, or the extent to which Consultant may be held responsible for payments of damages to persons or property.

5.10 Enforcement of Agreement (Non-Estoppel). Consultant acknowledges and agrees that actual or alleged failure on the part of the City to inform Consultant of any non-compliance with any of the insurance requirements set forth in this section imposes no additional obligation on the City nor does it waive any rights hereunder.

5.11 Insurance for Subconsultants. Consultant shall either: (1) include all subconsultants or subcontractors engaged in any Work or Services for Consultant relating to this Agreement as additional named

insureds under the Consultant's insurance policies, or (2) Consultant shall be responsible for causing its subconsultants or subcontractors to procure and maintain the appropriate insurance in compliance with the terms of the insurance requirements set forth in this section, including adding the City, its officials, officers, employees, agents and volunteers, as additional insureds to their respective policies. All policies of Commercial General Liability Insurance provided by Consultant's subconsultants or subcontractors performing any Work or Services related to this Agreement shall be endorsed to name the City, its officials, officers, employees, agents and volunteers, as additional insureds. Consultant shall not allow any subconsultant or subcontractor to commence any Work or Services relating to this Agreement unless and until it has provided evidence satisfactory to City that the subconsultant or subcontractor has secured all insurance required under this section.

5.12 Other Insurance Requirements. The following terms and conditions shall apply to the insurance policies required of Consultant pursuant to this Agreement:

A. Consultant shall provide immediate written notice to City if (1) any of the insurance policies required herein are terminated, cancelled or suspended, (2) the limits of any of the insurance coverages required herein are reduced, or (3) the deductible or self-insured retention is increased.

B. All insurance coverage and limits provided by Consultant and available or applicable to this Agreement are intended to apply to each insured, including additional insureds, against whom a claim is made or suit is brought to the full extent of the policies. Nothing contained in this Agreement or any other agreement relating to the City or its operations shall limit the application of such insurance coverage.

C. None of the insurance coverages required herein will be in compliance with the requirements of this section if they include any limiting endorsement which substantially impairs the coverages set forth herein (e.g., elimination of contractual liability or reduction of discovery period), unless the endorsement has first been submitted to the City and approved in writing.

D. Certificates of insurance will not be accepted in lieu of required endorsements, and submittal of certificates without required endorsements may delay commencement of the Project. It is Consultant's obligation to ensure timely compliance with all insurance submittal requirements as provided herein.

E. Consultant agrees to ensure that subconsultants and subcontractors, if any, and any other parties involved with the Project who are brought onto or involved in the Project by Consultant, provide the same minimum insurance coverage required of Consultant. Consultant agrees to monitor and review all such coverage and assumes all responsibility for ensuring that such coverage is provided in conformity with the requirements of this section. Consultant agrees that upon request, all agreements with subcontractors and others engaged in the Project will be submitted to the City for review.

F. Consultant agrees to provide immediate written notice to City of any claim, demand or loss against Consultant arising out of the Work or Services performed under this Agreement and for any other claim, demand or loss which may reduce the insurance available to pay claims, demands or losses arising out of this Agreement.

6. INDEMNIFICATION

To the fullest extent permitted by law, Consultant shall defend (at Consultant's sole cost and expense with legal counsel reasonably acceptable to City), indemnify and hold the City, its elected and appointed officials, officers,

employees, agents and volunteers, free and harmless from any and all claims, demands, orders, causes of action, costs, expenses, liabilities, losses, penalties, judgments, arbitration awards, settlements, damages or injuries of any kind, in law or in equity, including but not limited to property or persons, including wrongful death, (collectively "Claims") in any manner arising out of, pertaining to, related to, or incident to any alleged acts, errors or omissions, or willful misconduct of Consultant, its officers, directors, employees, subcontractors, consultants or agents, in connection with Consultant's performance under this Agreement, including without limitation the payment of all consequential damages, expert witness fees and attorneys' fees and other related costs and expenses. Notwithstanding the foregoing, to the extent that the Work or Services performed by Consultant are subject to Civil Code Section 2782.8, the above indemnity shall be limited, to the extent required by Civil Code Section 2782.8, to claims that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of the Consultant. Under no circumstances shall the insurance requirements and limits set forth in this Agreement be construed to limit Consultant's indemnification obligation or other liability hereunder. Notwithstanding the foregoing, such obligation to defend, hold harmless, and indemnify the City, its elected and appointed officials, officers, employees, agents, and volunteers, shall not apply to such claims or liabilities arising from the sole or active negligence or willful misconduct of City.

7. REPORTS AND RECORDS

7.1 Accounting Records. Consultant shall keep complete, accurate, and detailed accounts of all time, costs, expenses, and expenditures pertaining in any way to this Agreement. Consultant shall keep such books and records as shall be necessary to properly perform the Services required by this Agreement and to enable the Contract Officer to evaluate the performance of such Services. The Contract Officer shall have full and free access to such books and records at all reasonable times, including the right to inspect, copy, audit, and make records and transcripts from such records.

7.2 Reports. Consultant shall periodically prepare and submit to the Contract Officer such reports concerning the performance of the Services required by this Agreement as the Contract Officer shall require. Consultant hereby acknowledges that the City is greatly concerned about the cost of the Work and Services to be performed pursuant to this Agreement. For this reason, Consultant agrees that if Consultant becomes aware of any facts, circumstances, techniques, or events that may or will materially increase or decrease the cost of the Work or Services contemplated herein or, if Consultant is providing design services, the cost of the project being designed, Consultant shall promptly notify the Contract Officer of such fact, circumstance, technique, or event and the estimated increased or decreased cost related thereto and, if Consultant is providing design services, the estimated increased or decreased cost estimate for the project being designed.

7.3 Ownership of Documents. All drawings, specifications, reports, records, documents, memoranda, correspondence, computations, and other materials prepared by Consultant, its employees, subconsultants, subcontractors and agents in the performance of this Agreement shall be the property of City and shall be promptly delivered to City upon request of the Contract Officer or upon the termination of this Agreement, and Consultant shall have no claim for further employment or additional compensation as a result of the exercise by City of its full rights of ownership of the documents and materials hereunder. Consultant may retain copies of such documents for its own use. Consultant shall have an unrestricted right to use the concepts embodied therein. Consultant shall ensure that all of its subconsultants and subcontractors shall provide for assignment to City of any documents or materials prepared by them, and in the event Consultant fails to secure such assignment, Consultant shall indemnify City for all damages resulting therefrom.

7.4 Release of Documents. All drawings, specifications, reports, records, documents, and other materials

prepared by Consultant in the performance of services under this Agreement shall not be released publicly without the prior written approval of the Contract Officer. All information gained by Consultant in the performance of this Agreement shall be considered confidential and shall not be released by Consultant without City's prior written authorization.

7.5 Audit and Inspection of Records.

A. After receipt of reasonable notice and during the regular business hours of City, Consultant shall provide City, or other agents of City, such access to Consultant's books, records, payroll documents, and facilities as City deems necessary to examine, copy, audit, and inspect all accounting books, records, work data, documents, and activities directly related to Consultant's performance under this Agreement.

B. *For the purpose of determining compliance with Government Code Section 8546.7, Consultant, subconsultants, subcontractors, and City shall maintain all books, documents, papers, accounting records, Independent certified public accountants (CPA) Audited Indirect Cost Rate workpapers, and other evidence pertaining to the performance of the Agreement, including, but not limited to, the costs of administering the Agreement. All parties, including the Consultant's Independent CPA, shall make such workpapers and materials available at their respective offices at all reasonable times during the Agreement period and for three (3) years from the date of final payment under the Agreement, and records for real property and equipment acquired with federal funds must be retained for three (3) years after final disposition. City, State of California, California State Auditor, Caltrans Auditor, FHWA, or any duly authorized representative of the Federal Government having jurisdiction under federal laws or regulations (including the basis of federal funding in whole or in part) shall have access to any books, records, and documents of Consultant, subconsultants, and the Consultant's Independent CPA, that are pertinent to the Agreement for audits, examinations, workpaper review, excerpts, and transactions, and copies thereof shall be furnished if requested without limitation.*

7.6 Audit Review Procedures.

A. Any dispute concerning a question of fact arising under an interim or post audit of this Agreement that is not disposed of by agreement, shall be reviewed by the City Public Works Director/City Engineer and the City Finance Director.

B. Not later than thirty (30) calendar days after issuance of the final audit report, Consultant may request a review by the City Manager or City Finance Director of unresolved audit issues. The request for review will be submitted in writing.

C. Neither the pendency of a dispute nor its consideration by City will excuse Consultant from full and timely performance, in accordance with the terms of this Agreement.

D. Consultant, subcontractor, and subconsultant agreements, including cost proposals and Indirect Cost Rates (ICR), may be subject to audits or reviews such as, but not limited to, an Agreement audit, an incurred cost audit, an ICR Audit, or a CPA ICR audit work paper review. If selected for audit or review, the Agreement, Schedule of Compensation/Fees, and ICR and related work papers, if applicable, will be reviewed to verify compliance with 48 CFR Part 31 and other related laws and regulations. In the instances of a CPA ICR audit work paper review, it is Consultant's responsibility to ensure federal, City, or local government officials are allowed full access to the CPA's work papers including making copies as necessary. The Agreement, cost proposal, and ICR shall be adjusted by Consultant and approved by City's Contract Officer to conform to the audit or review

recommendations. Consultant agrees that individual terms of costs identified in the audit report shall be incorporated into the agreement by this reference if directed by City at its sole discretion. Refusal by Consultant to incorporate audit or review recommendations, or to ensure that the federal, City, or local governments have access to CPA work papers, will be considered a breach of this Agreement terms and cause for termination of the Agreement and disallowance of prior reimbursed costs.

E. Consultant's Schedule of Compensation/Fees may be subject to a CPA ICR Audit Work Paper Review and/or audit by the Independent Office of Audits and Investigations (IOAI). IOAI, at its sole discretion, may review and/or audit and approve the CPA ICR documentation. The Schedule of Compensation/Fees shall be adjusted by the Consultant and approved by City's Contract Officer to conform to the Work Paper Review recommendations included in the management letter or audit recommendations included in the audit report. Refusal by the Consultant to incorporate the Work Paper Review recommendations included in the management letter or audit recommendations included in the audit report will be considered a breach of the Agreement terms and cause for termination of the Agreement and disallowance of prior reimbursed costs.

1. During IOAI's review of the ICR audit work papers created by the Consultant's independent CPA, IOAI will work with the CPA and/or Consultant toward a resolution of issues that arise during the review. Each Party agrees to use its best efforts to resolve any audit disputes in a timely manner. If IOAI identifies significant issues during the review and is unable to issue a cognizant approval letter, City will reimburse the Consultant at an accepted ICR until a FAR (Federal Acquisition Regulation) compliant ICR (e.g. 48 CFR Part 31; GAGAS (Generally Accepted Auditing Standards)); CAS (Cost Accounting Standards), if applicable; in accordance with procedures and guidelines of the American Association of State Highways and Transportation Officials (AASHTO) Audit Guide; and other applicable procedures and guidelines}is received and approved by IOAI. Accepted Rates will be as follows:

a. If the proposed rate is less than one hundred fifty percent (150%), the accepted rate reimbursed will be ninety percent (90%) of the proposed rate.

b. If the proposed rate is between one hundred fifty percent (150%) and two hundred percent (200%), the accepted rate will be eighty-five percent (85%) of the proposed rate.

c. If the proposed rate is greater than two hundred percent (200%), the accepted rate will be seventy-five percent (75%) of the proposed rate.

2. If IOAI is unable to issue a cognizant letter per subsection E.1. above, IOAI may require Consultant to submit a revised independent CPA-audited ICR and audit report within three (3) months of the effective date of the management letter. IOAI will then have up to six (6) months to review the Consultant's and/or the independent CPA's revisions.

3. If Consultant fails to comply with the provisions of this subsection E, or if IOAI is still unable to issue a cognizant approval letter after the revised independent CPA audited ICR is submitted, overhead cost reimbursement will be limited to the accepted ICR that was established upon initial rejection of the ICR and set forth in subsection E.1. above for all rendered services. In this event, this accepted ICR will become the actual and final ICR for reimbursement purposes under this Agreement.

4. Consultant may submit to City final invoice only when all of the following items have occurred: (1) IOAI accepts or adjusts the original or revised independent CPA audited ICR; (2) all work under this

Agreement has been completed to the satisfaction of City; and (3) IOAI has issued its final ICR review letter. The Consultant must submit its final invoice to City no later than sixty (60) calendar days after occurrence of the last of these items. The accepted ICR will apply to this Agreement and all other agreements executed between City and the Consultant, either as a prime or subconsultant, with the same fiscal period ICR.

8. ENFORCEMENT OF AGREEMENT

8.1 California Law and Venue. This Agreement shall be construed and interpreted both as to validity and as to performance of the Parties in accordance with the laws of the State of California. Legal actions concerning any dispute, claim, or matter arising out of or in relation to this Agreement shall be instituted in the Superior Court of the County of Orange, State of California, or any other appropriate court in such County, and Consultant covenants and agrees to submit to the personal jurisdiction of such court in the event of such action.

8.2 Interpretation. This Agreement shall be construed as a whole according to its fair language and common meaning to achieve the objectives and purposes of the Parties. The terms of this Agreement are contractual and the result of negotiation between the Parties. Accordingly, any rule of construction of contracts (including, without limitation, California Civil Code Section 1654) that ambiguities are to be construed against the drafting party, shall not be employed in the interpretation of this Agreement. The caption headings of the various sections and paragraphs of this Agreement are for convenience and identification purposes only and shall not be deemed to limit, expand, or define the contents of the respective sections or paragraphs.

8.3 Termination. City may terminate this Agreement for any reason, with or without cause, upon giving Consultant thirty (30) days written notice. Upon such notice, City shall pay Consultant for Services performed through the date of termination. Upon receipt of such notice, Consultant shall immediately cease all work under this Agreement, unless the notice provides otherwise. Thereafter, Consultant shall have no further claims against the City under this Agreement. Upon termination of the Agreement pursuant to this section, Consultant shall submit to the City an invoice for work and services performed prior to the date of termination. In addition, Consultant reserves the right to terminate this Agreement at any time upon sixty (60) days written notice to the City, except that where termination is due to material default by the City, the period of notice may be such shorter time as the Consultant may determine.

8.4 Default of Consultant.

A. Consultant's failure to comply with any provision of this Agreement shall constitute a default.

B. If the City Manager, or City Manager's designee, determines that Consultant is in default in the performance of any of the terms or conditions of this Agreement, he/she shall notify Consultant in writing of such default. Consultant shall have ten (10) days, or such longer period as City may designate, to cure the default by rendering satisfactory performance. In the event Consultant fails to cure its default within such period of time, City shall have the right, notwithstanding any other provision of this Agreement, to terminate this Agreement without further notice and without prejudice of any remedy to which City may be entitled at law, in equity, or under this Agreement. Consultant shall be liable for any and all reasonable costs incurred by City as a result of such default. Compliance with the provisions of this section shall not constitute a waiver of any City right to take legal action in the event that the dispute is not cured, provided that nothing herein shall limit City's right to terminate this Agreement without cause pursuant to Section 8.3.

C. If termination is due to the failure of the Consultant to fulfill its obligations under this

Agreement, City may, after compliance with the provisions of Section 8.4(B), take over the work and prosecute the same to completion by contract or otherwise, and the Consultant shall be liable to the extent that the total cost for completion of the Services required hereunder exceeds the Maximum Contract Amount (provided that the City shall use reasonable efforts to mitigate such damages), and City may withhold any payments to the Consultant for the purpose of set-off or partial payment of the amounts owed the City as previously stated. The withholding or failure to withhold payments to Consultant shall not limit Consultant's liability for completion of the Services as provided herein.

8.5 Waiver. No waiver of any provision of this Agreement shall be effective unless in writing and signed by a duly authorized representative of the Party against whom enforcement of a waiver is sought. Any waiver by the Parties of any default or breach of any covenant, condition, or term contained in this Agreement, shall not be construed to be a waiver of any subsequent or other default or breach, nor shall failure by the Parties to require exact, full, and complete compliance with any of the covenants, conditions, or terms contained in this Agreement be construed as changing the terms of this Agreement in any manner or preventing the Parties from enforcing the full provisions hereof.

8.6 Rights and Remedies Cumulative. Except with respect to rights and remedies expressly declared to be exclusive in this Agreement, the rights and remedies of the Parties are cumulative and the exercise by either Party of one or more of such rights or remedies shall not preclude the exercise by it, at the same or different times, of any other rights or remedies for the same default or any other default by the other Party.

8.7 Legal Action. In addition to any other rights or remedies, either Party may take legal action, in law or in equity, to cure, correct or remedy any default, to recover damages for any default, to compel specific performance of this Agreement, to obtain declaratory or injunctive relief, or to obtain any other remedy consistent with the purposes of this Agreement.

8.8 Attorneys' Fees. In the event any dispute between the Parties with respect to this Agreement results in litigation or any non-judicial proceeding, the prevailing Party shall be entitled, in addition to such other relief as may be granted, to recover from the non-prevailing Party all reasonable costs and expenses, including but not limited to reasonable attorneys' fees, expert witness fees, court costs and all fees, costs, and expenses incurred in any appeal or in collection of any judgment entered in such proceeding. To the extent authorized by law, in the event of a dismissal by the plaintiff or petitioner of the litigation or non-judicial proceeding within thirty (30) days of the date set for trial or hearing, the other Party shall be deemed to be the prevailing Party in such litigation or proceeding.

9. CITY OFFICERS AND EMPLOYEES: NON-DISCRIMINATION

9.1 Non-liability of City Officers and Employees. No officer or employee of the City shall be personally liable to the Consultant, or any successor-in-interest, in the event of any default or breach by the City or for any amount which may become due to the Consultant or to its successor, or for breach of any obligation of the terms of this Agreement.

9.2 Conflict of Interest.

A. No officer or employee of the City shall have any financial interest, direct or indirect, in this Agreement nor shall any such officer or employee participate in any decision relating to the Agreement which effects his or her financial interest or the financial interest of any corporation, partnership, or association in which they are, directly or indirectly, interested in violation of any state statute or regulation. Consultant represents and warrants that

it has not paid or given and will not pay or give any third party any money or other consideration in exchange for obtaining this Agreement.

B. During the term of this Agreement, Consultant shall disclose any financial, business, or other relationship with City that may have an impact upon the outcome of this Agreement, or any ensuing City construction project. Consultant shall also list current clients who may have a financial interest in the outcome of this Agreement, or any ensuing City construction project, which will follow.

C. Consultant certifies that it has disclosed to City any actual, apparent, or potential conflicts of interest that may exist relative to the services to be provided pursuant to this Agreement. Consultant agrees to advise City of any actual, apparent or potential conflicts of interest that may develop subsequent to the date of execution of this Agreement. Consultant further agrees to complete any statements of economic interest if required by either City ordinance or State law.

D. Consultant hereby certifies that it does not now have, nor shall it acquire any financial or business interest that would conflict with the performance of Work or Services under this Agreement.

E. Consultant hereby certifies that Consultant or any subconsultant and any firm affiliated with Consultant or subconsultant that bids on any construction contract or on any agreement to provide construction inspection for any construction project resulting from this Agreement, has established necessary controls to ensure a conflict of interest does not exist. An affiliated firm is one, which is subject to the control of the same persons, through joint ownership or otherwise.

9.3 Covenant Against Discrimination.

A. In connection with its performance under this Agreement, Consultant shall not discriminate against any employee or applicant for employment because of race, disability, medical condition, religion, color, sex, sexual orientation, age, marital status, ancestry, or national origin. Consultant shall ensure that applicants are employed, and that employees are treated during their employment, without regard to their race, disability, medical condition, religion, color, sex, sexual orientation, age, marital status, ancestry, or national origin. Such actions shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

B. During the performance of this Agreement, Consultant and its subconsultants and subcontractors shall not deny the Agreement's benefits to any person on the basis of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, or military and veteran status, nor shall they unlawfully discriminate, harass, or allow harassment against any employee or applicant for employment because of race, color, ancestry, religious creed, national origin, physical disability, mental disability, medical condition, age, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, or military and veteran status. Consultant, subconsultants, and subcontractors shall ensure that the evaluation and treatment of their employees and applicants for employment are free from such discrimination and harassment.

C. Consultant, subconsultants, and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 12990 et seq.), applicable regulations promulgated thereunder (2 CCR Section 7285 et seq.), the provisions of Government Code Sections 11135–11139.5, and any

regulations or standards adopted by City to implement such articles. The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990 (a)–(f) are set forth in 2 CCR Sections 8100–8504 and are incorporated into this Agreement by reference and made a part hereof as if set forth in full.

D. Consultant shall permit access by representatives of the Department of Fair Employment and Housing and City upon reasonable notice at any time during the normal business hours, but in no case less than twenty-four (24) hours' notice, to such of its books, records, accounts, and all other sources of information and its facilities as said Department or City shall require to ascertain compliance with this clause.

E. Consultant and its subconsultants and subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement.

F. Consultant shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under this Agreement.

G. Consultant, with regard to the work performed under this Agreement, shall act in accordance with Title VI of the Civil Rights Act of 1964 (42 U.S.C. Section 2000d et seq.). Title VI provides that the recipients of federal assistance will implement and maintain a policy of nondiscrimination in which no person in the United States shall, on the basis of race, color, national origin, religion, sex, age, disability, be excluded from participation in, denied the benefits of or subject to discrimination under any program or activity by the recipients of federal assistance or their assignees and successors in interest.

H. Consultant shall comply with regulations relative to nondiscrimination in federally-assisted programs of the U.S. Department of Transportation (DOT) (49 CFR Part 21 – Effectuation of Title VI of the Civil Rights Act of 1964). Specifically, Consultant shall not participate either directly or indirectly in the discrimination prohibited by 49 CFR Section 21.5, including employment practices and the selection and retention of subconsultants and subcontractors.

I. Consultant, subrecipient, or subconsultant will never exclude any person from participation in, deny any person the benefits of, or otherwise discriminate against anyone in connection with the award and performance of any contract covered by 49 CFR Part 26 on the basis of race, color, sex, or national origin. In administering the City components of the DBE Program Plan, Consultant, subrecipient, or subconsultant will not, directly, or through contractual or other arrangements, use criteria or methods of administration that have the effect of defeating or substantially impairing accomplishment of the objectives of the DBE Program Plan with respect to individuals of a particular race, color, sex, or national origin.

J. Consultant agrees to comply with the Title VI Assurances, attached hereto as Exhibit "C", which is hereby incorporated by reference and is made a part of this Agreement, and to include these assurances in all subcontracts at any tier.

9.4 Rebates, Kickbacks or Other Unlawful Consideration. *Consultant warrants that this Agreement was not obtained or secured through rebates, kickbacks or other unlawful consideration either promised or paid to any City employee. For breach or violation of this warranty, City shall have the right, in its discretion, to terminate the Agreement without liability, to pay only for the value of the work actually performed, or to deduct from the Agreement price, or otherwise recover the full amount of such rebate, kickback, or other unlawful consideration.*

9.5 Contingent Fee. *Consultant warrants, by execution of this Agreement, that no person or selling agency has been employed, or retained, to solicit or secure this Agreement upon an agreement or understanding, for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees, or bona fide established commercial or selling agencies maintained by Consultant for the purpose of securing business. For breach or violation of this warranty, City has the right to annul this Agreement without liability, pay only for the value of the Work actually performed, or in its discretion to deduct from the Maximum Contract Amount or consideration, or otherwise recover the full amount of such commission, percentage, brokerage, or contingent fee.*

10. MISCELLANEOUS PROVISIONS

10.1 Patent and Copyright Infringement.

A. To the fullest extent permitted by law, and in lieu of any other warranty by City or Consultant against patent or copyright infringement, statutory or otherwise, it is agreed that Consultant shall defend at its expense any claim or suit against City on account of any allegation that any item furnished under this Agreement, or the normal use or sale thereof arising out of the performance of this Agreement, infringes upon any presently existing U.S. letters patent or copyright and Consultant shall pay all costs and damages finally awarded in any such suit or claim, provided that Consultant is promptly notified in writing of the suit or claim and given authority, information and assistance at Consultant's expense for the defense of same, and provided such suit or claim arises out of, pertains to, or is related to the alleged negligence, recklessness or willful misconduct of Consultant. However, Consultant will not indemnify City if the suit or claim results from: (1) City's alteration of a deliverable, such that City's alteration of such deliverable created the infringement upon any presently existing U.S. letters patent or copyright; or (2) the use of a deliverable in combination with other material not provided by Consultant when it is such use in combination which infringes upon an existing U.S. letters patent or copyright.

B. Consultant shall have sole control of the defense of any such claim or suit and all negotiations for settlement thereof, Consultant shall not be obligated to indemnify City under any settlement made without Consultant's consent or in the event City fails to cooperate in the defense of any suit or claim, provided, however, that such defense shall be at Consultant's expense. If the use or sale of such item is enjoined as a result of the suit or claim, Consultant, at no expense to City, shall obtain for City the right to use and sell the item, or shall substitute an equivalent item acceptable to City and extend this patent and copyright indemnity thereto.

10.2 Notices. All notices or other communications required or permitted hereunder shall be in writing, and shall be personally delivered, sent by registered or certified mail, postage prepaid, return receipt requested, or delivered or sent by facsimile with attached evidence of completed transmission, and shall be deemed received upon the earlier of (i) the date of delivery to the address of the person to receive such notice if delivered personally or by messenger or overnight courier; (ii) five (5) business days after the date of posting by the United States Post Office if by mail; or (iii) when sent if given by facsimile. Notices or other communications shall be addressed as follows:

To City: City of Laguna Hills
Attention: City Manager
24035 El Toro Road
Laguna Hills, California 92653
Telephone: (949) 707-2600

To Consultant: _____

_____
_____
_____
_____

10.3 Entire Agreement. This Agreement constitutes the entire agreement between the Parties and supersedes all prior negotiations, arrangements, agreements, representations, and understandings, if any, made by or among the Parties with respect to the subject matter hereof. No amendments or other modifications of this Agreement shall be binding unless executed in writing by both Parties hereto, or their respective successors, assigns, or grantees.

10.4 Severability. Whenever possible, each provision of this Agreement shall be interpreted in such a manner as to be effective and valid under applicable law, but if any provision of this Agreement shall be determined to be invalid by a final judgment or decree of a court of competent jurisdiction, such provision shall be ineffective only to the extent of such prohibition or invalidity, without invalidating the reminder of that provision, or the remaining provisions of this Agreement unless the invalid provision is so material that its invalidity deprives either Party of the basic benefit of their bargain or renders this Agreement meaningless.

10.5 Successors in Interest. This Agreement shall be binding upon and inure to the benefit of the Parties' successors and assignees.

10.6 Third Party Beneficiary. Nothing contained in this Agreement is intended to confer, nor shall this Agreement be construed as conferring, any rights, including, without limitation, any rights as a third-party beneficiary or otherwise, upon any entity or person not a party hereto.

10.7 Recitals. The above-referenced Recitals are hereby incorporated into the Agreement as though fully set forth herein and each Party acknowledges and agrees that such Party is bound, for purposes of this Agreement, by the same.

10.8. Corporate Authority. Each of the undersigned represents and warrants that (i) the Party for which he/she is executing this Agreement is duly authorized and existing, (ii) he/she is duly authorized to execute and deliver this Agreement on behalf of the Party for which he/she is signing, (iii) by so executing this Agreement, the Party for which he/she is signing is formally bound to the provisions of this Agreement, and (iv) the entering into this Agreement does not violate any provision of any other Agreement to which the Party for which he/she is signing is bound.

10.9 Prevailing Wages. The City has determined that the Work and Services under this Agreement requires work of labor categories which are subject to Prevailing Wage Laws identified in the State of California Labor Code. Consultant is aware of the requirements of California Labor Code Section 1720, et seq., and 1770, et seq., as well as California Code of Regulations, Title 8, Section 16000, et seq., ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on "public works" and "maintenance" projects. Consultant agrees to fully comply with all applicable federal and state labor laws (including, without limitation, the Prevailing Wage Laws). It is agreed by the Parties that, in connection with the Work or Services provided pursuant to this Agreement, Consultant shall bear all risks of payment or non-payment of prevailing wages under California law, and Consultant hereby agrees to defend, indemnify, and hold the City, its elected officials, officers, employees, and agents free and harmless from any claim or liability arising out of any failure or alleged failure to comply with the Prevailing Wage Laws. The foregoing indemnity shall survive termination of this

Agreement. Consultant understands and agrees to comply with the following California Labor Code compliance conditions [Labor Code Sections 1720 et seq., 1813, 1860, 1861, 3700]:

A. Neither Consultant nor any subconsultant may be awarded an agreement containing public work elements unless registered with the Department of Industrial Relations (DIR) pursuant to Labor Code Section 1725.5. Registration with DIR must be maintained throughout the entire term of this Agreement, including any subsequent amendments.

B. The Consultant shall comply with all of the applicable provisions of the California Labor Code requiring the payment of prevailing wages. The General Prevailing Wage Rate Determinations applicable to work under this Agreement are available and on file with the Department of Transportation's Regional/District Labor Compliance Officer (https://dot.ca.gov/programs/construction/labor-compliance). These wage rates are made a specific part of this Agreement by reference pursuant to Labor Code Section 1773.2 and will be applicable to Work performed at a construction project site. Prevailing wages will be applicable to all inspection work performed at City's construction sites, at City facilities, and at off-site locations that are set up by the construction contractor or one of its subcontractors solely and specifically to serve City projects. Prevailing wage requirements do not apply to inspection work performed at the facilities of vendors and commercial materials suppliers that provide goods and services to the general public.

C. General Prevailing Wage Rate Determinations applicable to this project may also be obtained from the Department of Industrial Relations website at http://www.dir.ca.gov.

D. Payroll Records

1. Consultant and all subconsultants shall keep accurate certified payroll records and supporting documents as mandated by Labor Code Section 1776 and as defined in 8 CCR Section 16000 showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by the Consultant or subconsultant in connection with the public work. Each payroll record shall contain or be verified by a written declaration that it is made under penalty of perjury, stating both of the following:

a. The information contained in the payroll record is true and correct.

b. The employer has complied with the requirements of Labor Code Sections 1771, 1811, and 1815 for any work performed by his or her employees on the public works project.

2. The payroll records enumerated under paragraph (1) above shall be certified as correct by the Consultant under penalty of perjury. The payroll records and all supporting documents shall be made available for inspection and copying by City representatives at all reasonable hours at the principal office of the Consultant. The Consultant shall provide copies of certified payrolls or permit inspection of its records as follows:

a. A certified copy of an employee's payroll record shall be made available for inspection or furnished to the employee or the employee's authorized representative on request.

b. A certified copy of all payroll records enumerated in paragraph (1) above, shall be made available for inspection or furnished upon request to a representative of City, the Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards of the Department of Industrial Relations.

Certified payrolls submitted to City, the Division of Labor Standards Enforcement, and the Division of Apprenticeship Standards shall not be altered or obliterated by the Consultant.

c. The public shall not be given access to certified payroll records by the Consultant, except as permitted by law. The Consultant is required to forward any requests for certified payrolls to the City's Contract Officer by both email and regular mail on the business day following receipt of the request.

3. Each Consultant shall submit a certified copy of the records enumerated in paragraph (1) above, to the entity that requested the records within ten (10) calendar days after receipt of a written request.

4. Any copy of records made available for inspection as copies and furnished upon request to the public or any public agency by City shall be marked or obliterated in such a manner as to prevent disclosure of each individual's name, address, and social security number, unless fewer redactions are permitted by law. The name and address of the Consultant or Subconsultant performing the Work shall not be marked or obliterated.

5. The Consultant shall inform the City of the location of the records enumerated under paragraph (1) above, including the street address, city and county, and shall, within five (5) working days, provide a notice of a change of location and address.

6. The Consultant or Subconsultant shall have ten (10) calendar days in which to comply subsequent to receipt of written notice requesting the records enumerated in paragraph (1) above. In the event the Consultant or subconsultant fails to comply within the ten (10) day period, he or she shall, as a penalty to City, forfeit one hundred dollars ($100) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Such penalties shall be withheld by City from payments then due. Consultant is not subject to a penalty assessment pursuant to this section due to the failure of a subconsultant to comply with this section.

E. When prevailing wage rates apply, the Consultant is responsible for verifying compliance with certified payroll requirements. Invoice payment will not be made until the invoice is approved by the City's Contract Officer.

F. Penalty.

1. The Consultant and any of its subconsultants shall comply with Labor Code Sections 1774 and 1775. Pursuant to Labor Code Section 1775, the Consultant and any subconsultant shall forfeit to the City a penalty of not more than two hundred dollars ($200) for each calendar day, or portion thereof, for each worker paid less than the prevailing rates as determined by the Director of DIR for the work or craft in which the worker is employed for any public work done under the Agreement by the Consultant or by its Subconsultant in violation of the requirements of the Labor Code and in particular, Labor Code Sections 1770 to 1780, inclusive.

2. The amount of this forfeiture shall be determined by the Labor Commissioner and shall be based on consideration of mistake, inadvertence, or neglect of the Consultant or subconsultant in failing to pay the correct rate of prevailing wages, or the previous record of the Consultant or subconsultant in meeting their respective prevailing wage obligations, or the willful failure by the Consultant or subconsultant to pay the correct rates of prevailing wages. A mistake, inadvertence, or neglect in failing to pay the correct rates of prevailing wages is not excusable if the Consultant or subconsultant had knowledge of the obligations under the Labor Code. The

Consultant is responsible for paying the appropriate rate, including any escalations that take place during the term of the Agreement.

3. In addition to the penalty and pursuant to Labor Code Section 1775, the difference between the prevailing wage rates and the amount paid to each worker for each calendar day or portion thereof for which each worker was paid less than the prevailing wage rate shall be paid to each worker by the Consultant or subconsultant.

4. If a worker employed by a subconsultant on a public works project is not paid the general prevailing per diem wages by the subconsultant, the Consultant of the project is not liable for the penalties described above unless the Consultant had knowledge of that failure of the subconsultant to pay the specified prevailing rate of wages to those workers or unless the Consultant fails to comply with all of the following requirements:

a. The agreement executed between the Consultant and the subconsultant for the performance of work on public works projects shall include a copy of the requirements in Labor Code Sections 1771, 1775, 1776, 1777.5, 1813, and 1815.

b. The Consultant shall monitor the payment of the specified general prevailing rate of per diem wages by the subconsultant to the employees by periodic review of the certified payroll records of the subconsultant.

c. Upon becoming aware of the subconsultant's failure to pay the specified prevailing rate of wages to the subconsultant's workers, the Consultant shall diligently take corrective action to halt or rectify the failure, including but not limited to, retaining sufficient funds due the subconsultant for work performed on the public works project.

d. Prior to making final payment to the subconsultant for work performed on the public works project, the Consultant shall obtain an affidavit signed under penalty of perjury from the subconsultant that the subconsultant had paid the specified general prevailing rate of per diem wages to the subconsultant's employees on the public works project and any amounts due pursuant to Labor Code Section 1813.

5. Pursuant to Labor Code Section 1775, the City shall notify the Consultant on a public works project within fifteen (15) calendar days of receipt of a complaint that a subconsultant has failed to pay workers the general prevailing rate of per diem wages.

6. If the City determines that employees of a subconsultant were not paid the general prevailing rate of per diem wages and if the City did not retain sufficient money under the Agreement to pay those employees the balance of wages owed under the general prevailing rate of per diem wages, the Consultant shall withhold an amount of moneys due the subconsultant sufficient to pay those employees the general prevailing rate of per diem wages if requested by City.

G. Hours of Labor. Eight (8) hours labor constitutes a legal day's work. The Consultant shall forfeit, as a penalty to the City, twenty-five dollars ($25) for each worker employed in the execution of the Agreement by the Consultant or any of its subconsultants for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of the provisions of the Labor Code, and in particular Sections 1810 to 1815 thereof, inclusive, except

that work performed by employees in excess of eight (8) hours per day, and forty (40) hours during any one week, shall be permitted upon compensation for all hours worked in excess of eight (8) hours per day and forty (40) hours in any week, at not less than one and one-half (1.5) times the basic rate of pay, as provided in Section 1815.

H. Employment of Apprentices.

1. Where either this Agreement or any subagreement exceeds thirty thousand dollars ($30,000), the Consultant and any subconsultants under him or her shall comply with all applicable requirements of Labor Code Sections 1777.5, 1777.6 and 1777.7 in the employment of apprentices.

2. Consultant and all subconsultants are required to comply with all Labor Code requirements regarding the employment of apprentices, including mandatory ratios of journey level to apprentice workers. Prior to commencement of work, Consultant and subconsultants are advised to contact the DIR Division of Apprenticeship Standards website at https://www.dir.ca.gov/das/, for additional information regarding the employment of apprentices and for the specific journey-to-apprentice ratios for the Agreement work. The Consultant is responsible for all subconsultants' compliance with these requirements. Penalties are specified in Labor Code Section 1777.7.

I. Pursuant to California Labor Code Sections 1860 and 3700, Consultant will be required to secure the payment of compensation to its employees. By signing this Agreement, Consultant hereby certifies as follows:

"I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Agreement."

J. Pursuant to California Labor Code Section 1771.1, Consultant and any subcontractor shall not be qualified to bid on, be listed in a bid proposal, subject to the requirements of Section 4104 of the California Public Contract Code, or engage in the performance of any contract for public work on a public works project unless registered with the DIR and qualified to perform public work pursuant to California Labor Code Section 1725.2. It is not a violation of California Labor Code Section 1771.1 for an unregistered contractor to submit a bid that is authorized by California Business and Professions Code Section 7029.1 or by California Public Contract Code Section 10164 or 20103.5, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded. Consultant shall not perform any work under this Agreement with any subcontractor who is ineligible to perform work on the public works project pursuant to Section 1777.1 or 1777.7 of the California Labor Code.

10.10 Counterparts. This Agreement may be signed in counterparts, each of which shall constitute an original.

10.11 Lobbying. *Consultant shall comply with the lobbying requirements of 31 U.S.C. Section 1352. If the Maximum Contract Amount exceeds $150,000, Consultant certifies the following:*

A. The Consultant certifies, to the best of his or her knowledge and belief, that:

1. No State, Federal, or City appropriated funds have been paid or will be paid, by or on behalf of the Consultant, to any person for influencing or attempting to influence an officer or employee of any local,

State, or Federal agency, a Member of the State Legislature or United States Congress, an officer or employee of the Legislature or Congress, or any employee of a Member of the Legislature or Congress in connection with the awarding or making of this Agreement, or with the extension, continuation, renewal, amendment, or modification of this Agreement.

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with this Agreement, the Consultant shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

B. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. §1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than ten thousand dollars ($10,000) and not more than one hundred thousand dollars ($100,000) for each such failure.

C. The Consultant also agrees by signing this document that he or she shall require that the language of this certification be included in all lower tier subagreements, which exceed one hundred thousand dollars ($100,000), and that all such subrecipients shall certify and disclose accordingly.

10.12 Disadvantaged Business Enterprises (DBE) Participation.

A. Consultant, City, and any subconsultant(s) shall take necessary and reasonable steps to ensure that DBEs have opportunities to participate in the contract (49 CFR Part 26). To ensure equal participation of DBEs provided in 49 CFR Section 26.5, the City shows a contract goal for DBEs. Consultant shall make work available to DBEs and select work parts consistent with available DBE subconsultants and suppliers.

1. Consultant shall meet the DBE goal shown elsewhere in these special provisions or demonstrate that it has made adequate good faith efforts to meet this goal. It is Consultant's responsibility to verify at date of proposal opening that the DBE firm is certified as a DBE by using the California Unified Certification Program (CUCP) database and possesses the most specific available North American Industry Classification System (NAICS) codes or work code applicable to the type of work the firm will perform on the contract. Additionally, Consultant is responsible to document the verification record by printing out the CUCP data for each DBE firm. A list of DBEs certified by the CUCP can be found at https://dot.ca.gov/programs/civil-rights/dbe-search.

2. All DBE participation will count toward the Caltrans' federally mandated statewide overall DBE goal. Credit for materials or supplies Consultant purchases from DBEs counts towards the goal in the following manner:

a. One hundred percent (100%) counts if the materials or supplies are obtained from a DBE manufacturer.

b. Sixty percent (60%) counts if the materials or supplies are purchased from a DBE regular dealer.

c. Only fees, commissions, and charges for assistance in the procurement and delivery of materials or supplies count if obtained from a DBE that is neither a manufacturer nor regular dealer. 49 CFR Section 26.55 defines "manufacturer" and "regular dealer."

3. This Agreement is subject to 49 CFR Part 26, "Participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs." Consultants who enter into a federally-funded Agreement will assist City in a good faith effort to achieve California's statewide overall DBE goal.

B. There is no DBE goal for this Agreement. If a DBE subconsultant or subcontractor is unable to perform, Consultant must make a good faith effort to replace him/her with another DBE subconsultant or subcontractor, if the goal is not otherwise met.

C. Reserved.

D. Contract Assurance. Under 49 CFR Section 26.13(b), City, Consultant, subconsultants, or subcontractors shall not discriminate on the basis of race, color, national origin, or sex in the performance of this Agreement. Consultant shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of federal-aid agreements. Failure by Consultant to carry out these requirements is a material breach of this Agreement, which may result in the termination of this Agreement or such other remedy as City deems appropriate, which may include, but is not limited to: (1) withholding monthly progress payments; (2) assessing sanctions; (3) liquidated damages; and/or (4) disqualifying Consultant from future bidding as non-responsible.

E. Termination and Replacement of DBE Subconsultants. Consultant shall utilize the specific DBEs listed to perform the work and supply the materials for which each is listed unless Consultant or DBE subconsultant obtains the City's written consent. Consultant shall not terminate or replace a listed DBE for convenience and perform the work with their own forces or obtain materials from other sources without authorization from the City.

1. Termination of DBE Subconsultants. After execution of the Agreement, termination of a DBE may be allowed for the following, but not limited to, justifiable reasons with prior written authorization from the City:

a. Listed DBE fails or refuses to execute a written contract based on plans and specifications for the Project.

b. The City stipulated that a bond is a condition of executing the subcontract and the listed DBE fails to meet the City's bond requirements.

c. Work requires a contractor's license and listed DBE does not have a valid license under Contractors License Law.

d. Listed DBE fails or refuses to perform the work or furnish the listed materials (failing or refusing to perform is not an allowable reason to remove a DBE if the failure or refusal is a result of bad faith or discrimination).

e. Listed DBE's work is unsatisfactory and not in compliance with the contract.

f. Listed DBE is ineligible to work on the project because of suspension or debarment.

g. Listed DBE becomes bankrupt or insolvent or exhibits credit unworthiness.

h. Listed DBE voluntarily withdraws with written notice from the contract.

i. Listed DBE is ineligible to receive credit for the type of work required.

j. Listed DBE owner dies or becomes disabled resulting in the inability to perform the work on the contract.

k. The City determines other documented good cause.

2. Consultant must use the following procedures to request the termination of a DBE or portion of a DBE's work:

a. Send a written notice to the DBE of the Consultant's intent to use other forces or material sources and include one or more justifiable reasons listed above. Simultaneously send a copy of this written notice to the City. The written notice to the DBE must request they provide any response within five (5) business days to both the Consultant and the City by either acknowledging their agreement or documenting their reasoning as to why the use of other forces or sources of materials should not occur.

b. If the DBE does not respond within five (5) business days, Consultant may move forward with the request as if the DBE had agreed to Consultant's written notice.

c. Submit Consultant's DBE termination request by written letter to the City and include:

i. One or more above listed justifiable reasons along with supporting documentation.

ii. Consultant's written notice to the DBE regarding the request, including proof of transmission and tracking documentation of Consultant's written notice.

iii. The DBE's response to Consultant's written notice, if received. If a written response was not provided, provide a statement to that effect.

3. The City shall respond in writing to Consultant's DBE termination request within five (5) business days.

4. <u>Replacement of DBE Subconsultants</u>. After receiving the City's written authorization of DBE termination request, Consultant must obtain the City's written agreement for DBE replacement. Consultant

must find or demonstrate Good Faith Efforts (GFEs) to find qualified DBE replacement firms to perform the work to the extent needed to meet the DBE commitment. The following procedures shall be followed to request authorization to replace a DBE firm:

a. *Submit a request to replace a DBE with other forces or material sources in writing to the City which must include:*

    i. *Description of remaining uncommitted work item made available for replacement DBE solicitation and participation.*

    ii. *The proposed DBE replacement firm's business information, the work they have agreed to perform, and the following:*
        1. *Description of scope of work and cost proposal*
        2. *Proposed subcontract agreement and written confirmation of agreement to perform on the Contract*
        3. *Reserved.*

b. *If Consultant has not identified a DBE replacement firm, submit documentation of Consultant's GFEs to use DBE replacement firms within seven (7) days of City's authorization to terminate the DBE. Consultant may request the City's approval to extend this submittal period to a total of fourteen (14) days. Submit documentation of actions taken to find a DBE replacement firm, such as:*

    i. *Search results of certified DBEs available to perform the original DBE work identified and or other work Consultant had intended to self-perform, to the extent needed to meet DBE commitment.*

    ii. *Solicitations of DBEs for performance of work identified.*

    iii. *Correspondence with interested DBEs that may have included contract details and requirements.*

    iv. *Negotiation efforts with DBEs that reflect why an agreement was not reached.*

    v. *If a DBE's quote was rejected, provide reasoning for the rejection, such as why the DBE was unqualified for the work, or why the price quote was unreasonable or excessive.*

    vi. *Copies of each DBE's and non-DBE's price quotes for work identified, as the City may contact the firms to verify solicitation efforts and determine if the DBE quotes are substantially higher.*

    vii. *Additional documentation that supports Consultant's GFE.*

c. *The City shall respond in writing to Consultant's DBE replacement request within five (5) business days.*

F. Commitment and Utilization.

1. The City's DBE program must include a monitoring and enforcement mechanism to ensure that DBE commitments reconcile to DBE utilization.

2. The City shall request Consultant to:

a. Notify the City's Contract Officer, or designee, of any changes to its anticipated DBE participation;
b. Provide this notification before starting affected work; and

c. Maintain records including: (1) name and business address of each first-tier subconsultant; (2) name and business address of each DBE subconsultant, DBE vendor, and DBE trucking company, regardless of tier; and (3) date of payment and total amount paid to each business (see Caltrans Exhibit 9-P: Prompt Payment Certification, which is attached hereto as Exhibit "D" and incorporated herein by this reference).

3. If Consultant is a DBE consultant, then Consultant shall include the date of work performed by Consultant's own forces and the corresponding value of the work.

4. If a DBE is decertified before completing its work, the DBE must notify Consultant in writing of the decertification date. If a business becomes a certified DBE before completing its work, the business must notify Consultant in writing of the certification date. Consultant shall submit the notifications to the City.

5. Reserved.

6. In the City's reports of DBE participation to Caltrans, the City must display both commitments and attainments.

H. Commercially Useful Function.

1. DBEs must perform a Commercially Useful Function (CUF) under 49 CFR Section 26.55 when performing work or supplying materials listed on the DBE Commitment Form. The DBE value of work will only count toward the DBE commitment if the DBE performs a CUF. A DBE performs a CUF when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a CUF, the DBE must also be responsible with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material, and installing (where applicable), and paying for the material itself.

2. Consultant must perform CUF evaluation for each DBE working on a federal-aid contract, with or without a DBE goal. Perform a CUF evaluation at the beginning of the DBE's work and continue to monitor the performance of CUF for the duration of the project.

3. Consultant must provide written notification to the City at least fifteen (15) days in advance of each DBE's initial performance of work or supplying materials for the Contract. The notification must

include the DBE's name, work the DBE will perform on the contract, and the location, date, and time of where their work will take place.

4. Within ten (10) days of a DBE initially performing work or supplying materials on the Contract, Consultant shall contact the LPA. Include the following information with the submittal:

a. Subcontract agreement with the DBE

b. Purchase orders

c. Bills of lading

d. Invoices

e. Proof of payment

5. Consultant must monitor all DBE's performance of CUF by conducting quarterly evaluations and validations throughout their duration of work on the Contract. Consultant must submit to the City these quarterly evaluations and validations by the fifth (5th) of the month for the previous three months of work.

6. Consultant must notify the City immediately if they believe the DBE may not be performing a CUF.

7. The City will verify DBEs performance of CUF by reviewing Consultant's submissions, submitted supporting information, field observations, and through any additional City evaluations. The City must evaluate DBEs and their CUF performance throughout the duration of a contract. The City will provide written notice to the Consultant and the DBE at least two (2) business days prior to any evaluation. The Consultant and the DBE must participate in the evaluation. Upon completing the evaluation, the City must share the evaluation results with the Consultant and the DBE. An evaluation could include items that must be remedied upon receipt. If the City determines the DBE is not performing a CUF, the Consultant must suspend performance of the noncompliant work.

8. Consultant and DBEs must submit any additional CUF related records and documents within five (5) business days of City's request such as:

a. Proof of ownership or lease and rental agreements for equipment

b. Tax records

c. Employee rosters

d. Certified payroll records

e. Inventory rosters

9. Failure to submit required DBE Commercially Useful Function Evaluation forms or requested records and documents can result in withholding of payment for the value of work completed by the DBE.

10. If Consultant and/or the City determine that a listed DBE is not performing a CUF in performance of their DBE committed work, Consultant must immediately suspend performance of the noncompliant portion of the work. City may deny payment for the noncompliant portion of the work. City will ask the Consultant to submit a corrective action plan (CAP) to the City within five (5) days of the noncompliant CUF determination. The CAP must identify how the Consultant will correct the noncompliance findings for the remaining portion of the DBE's work. City has five (5) days to review the CAP in conjunction with the Consultant's review. The Consultant must implement the CAP within five (5) days of the City's approval. The City will then authorize the prior noncompliant portion of work for the DBE's committed work.

11. If corrective actions cannot be accomplished to ensure the DBE performs a commercially useful function on the Contract, Consultant may have good cause to request termination of the DBE.

H. A DBE does not perform a CUF if its role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of DBE participation. In determining whether a DBE is such an extra participant, examine similar transactions, particularly those in which DBEs do not participate.

I. If a DBE does not perform or exercise responsibility for at least thirty percent (30%) of the total cost of its contract with its own work force, or the DBE subcontracts a greater portion of the work of the contract than would be expected on the basis of normal industry practice for the type of work involved, it will be presumed that it is not performing a CUF.

J. Consultant shall maintain records of materials purchased or supplied from all subcontracts entered into with certified DBEs. The records shall show the name and business address of each DBE or vendor and the total dollar amount actually paid each DBE or vendor, regardless of tier. The records shall show the date of payment and the total dollar figure paid to all firms. DBE prime consultants shall also show the date of work performed by their own forces along with the corresponding dollar value of the work.

K. If a DBE subconsultant or subcontractor is decertified during the life of the Agreement, the decertified subconsultant/subcontractor shall notify Consultant in writing with the date of decertification. If a subconsultant or subcontractor becomes a certified DBE during the life of the Agreement, the subconsultant/subcontractor shall notify Consultant in writing with the date of certification. Any changes should be reported to City's Contract Officer within thirty (30) days.

L. After submitting an invoice for reimbursement that includes a payment to a DBE, but no later than the then (10th) day of the following month, Consultant shall complete and email Caltrans Exhibit 9-P: Prompt Payment Certification (Exhibit "D") to business.support.unit@dot.ca.gov with a copy to the City.

M. Any subcontract entered into as a result of this Agreement shall contain all of the provisions of this section.

N. Consultant acknowledges and agrees that at the time of contract award, the U.S. Department of Transportation issued an Interim Final Rule making significant changes to the DBE Regulations set forth in 49 CFR Part 26, and, as such, City and Consultant may be required to further revise this Agreement to comply with the DBE Regulations.

10.13 Claims Filed by City's Construction Contractor

A. If claims are filed by City's construction contractor relating to work performed by Consultant's personnel, and additional information or assistance from Consultant's personnel is required in order to evaluate or defend against such claims; City's construction contract administration and legal staff and for testimony, if necessary, at depositions and at trial or arbitration proceedings.

B. Consultant's personnel that City considers essential to assist in defending against construction contractor claims will be made available on reasonable notice from City. Consultation or testimony will be reimbursed at the same rates, including travel costs that are being paid for Consultant's personnel services under this Agreement.

C. Services of Consultant's personnel in connection with City's construction contractor claims will be performed pursuant to a written contract amendment, if necessary, extending the termination date of this Agreement in order to resolve the construction claims.

10.14 National Labor Relations Board Certification. *In accordance with Public Contract Code Section 10296, Consultant hereby states under penalty of perjury that no more than one (1) final unappealable finding of contempt of court by a federal court has been issued against Consultant within the immediately preceding two (2)-year period, because of Consultant's failure to comply with an order of a federal court that orders Consultant to comply with an order of the National Labor Relations Board.*

10.15 Prompt Payment.

A. Prompt Payment from City to Consultant. City shall make all project progress payment within thirty (30) days after receipt of an undisputed and properly submitted payment request from Consultant. If the City fails to pay promptly, the City shall pay interest to the Consultant, which accrues at the rate of ten percent (10%) per annum on the principal amount of a money judgment remaining unsatisfied and pro-rated as necessary. Upon receipt of the payment request, the City shall act in accordance with both of the following:

1. The City shall review each payment request as soon as feasible after receipt to verify it is a proper payment request.

2. The City must return any payment request deemed improper by the City to the Consultant as soon as feasible, but not later than seven (7) days, after receipt. A request returned pursuant to this section shall include documentation setting forth in writing the reasons why it is an improper payment request.

B. Prompt Payment Certification. Consultant shall submit Caltrans Exhibit 9-P: Prompt Payment Certification (Exhibit "D") to the City by the fifteenth (15th) of the month following the month of any payment(s). If Consultant does not make any payments to subconsultants, supplier(s), and/or manufacturers, Consultant must report "no payments were made to subs this month" and write this visibly and legibly on Exhibit "D".

C. City must verify all Caltrans Exhibit 9-P: Prompt Payment Certification (Exhibit "D") information, monitor compliance with prompt payment requirements for DBE and non-DBE firms, and address any shortfalls to the DBE commitment and prompt payment issues until the end of the Project. City must email a copy of Caltrans Exhibit 9-P: Prompt Payment Certification (Exhibit "D") to DBE.Forms@dot.ca.gov before the end of the month after receiving the Exhibit 9-P from the Consultant.

10.16 Clean Air Act and Clean Water Act. *If the Maximum Contract Amount exceeds $150,000, Consultant shall comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, Title 42 of the United States Code (U.S.C.) Section 7401 et seq., and the Federal Water Pollution Control Act, as amended, 33 U.S.C. Section 1251 et seq. Consultant shall report any violations of use of prohibited facilities to the United States Environmental Protection Agency. Consultant agrees to include this requirement in each subcontract exceeding $150,000.*

10.17 Recycled Products. *If the Maximum Contract Amount exceeds $150,000, Consultant shall comply with all requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended, 42 U.S.C. Section 6962, including, but not limited to, the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in subpart B of 40 CFR Part 247. Consultant agrees to include this requirement in all of its subcontracts.*

10.18 Contract Work Hours and Safety Standards Act. *If the Maximum Contract Amount exceeds $100,000, Consultant agrees to comply with the Federal Contract Work Hours and Safety Standards Act, 40 U.S.C. Section 3701 et seq., as supplemented by Department of Labor regulations, 29 CFR Part 5. Under 40 U.S.C. Section 3702, Consultant shall compute the wages of every mechanic and laborer, including watchmen and guards, on the basis of a standard work week of forty (40) hours. Work in excess of the standard work week is permissible provided that the worker is compensated at a rate of not less than one and a half times (1.5x) the basic rate of pay for all hours worked in excess of forty (40) hours in the work week. The requirements of 40 U.S.C. Section 3704 are applicable to construction work and provide that no laborer or mechanic must be required to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous. These requirements do not apply to the purchases of supplies or materials or articles ordinarily available on the open market, or contracts for transportation or transmission of intelligence.*

10.19 Prohibition on contracting for certain telecommunications and video surveillance services or equipment.

A. Pursuant to Subsections 889(a)(l)(A)-(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232), Federal funds may not be used to procure or obtain, or to enter into a contract or extend or renew a contract with an entity that uses, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, as defined. Consultant is prohibited from providing to City or the Federal Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception applies or the covered telecommunication equipment or services are covered by a waiver described in FAR §4.2104. As described in Section 889, covered telecommunications equipment is telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities).

1. For the purpose of public safety, security of government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities).

2. Telecommunications or video surveillance services provided by such entities or using such equipment.

3. Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of the National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

10.20 Disputes; Questions of Fact.

A. Prior to either Party commencing any legal action under this Agreement, the Parties agree to try in good faith, to settle any dispute amicably between them. If a dispute has not been settled after forty-five (45) days of good-faith negotiations and as may be otherwise provided herein, then either Party may commence legal action against the other.

B. Any dispute, other than audit, concerning only a question of fact arising under this Agreement that is not disposed of by agreement shall be decided by a committee consisting of City's Contract Officer and City Manager, who may consider written or verbal information submitted by Consultant.

C. Not later than thirty (30) days after completion of all deliverables necessary to complete the plans, specifications and estimate, Consultant may request review by the City Council of unresolved claims or disputes, other than audit. The request for review will be submitted in writing.

D. Neither the pendency of a dispute nor its consideration by the committee will excuse Consultant from full and timely performance in accordance with the terms of this Agreement.

10.21 Caltrans Master Agreement and Program Supplement. *Consultant acknowledges and agrees that the City and Consultant must comply with the Caltrans Master Agreement and Program Supplement applicable to the Project. Both the Master Agreement and Program Supplement contain requirements for all subcontractors and subconsultants performing services on this Project. As such, Consultant agrees to comply with all provisions applicable to subcontractors and subconsultants in the Master Agreement and Program Supplement, which are attached hereto as Exhibit "E" and hereby incorporated by reference and made part of this Agreement. This includes, but is not limited to, Master Agreement Article VI, Fiscal Provisions, and Article V, Audits, Third Party Contracting, Records Retention and Reports. Consultant shall also assist the City in complying with all Master Agreement and Program Supplement provisions applicable to the Services performed under this Agreement.*

[*SIGNATURES ON NEXT PAGE*]

IN WITNESS WHEREOF, the Parties have executed and entered into this Agreement as of the date first written above.

"CITY"
City of Laguna Hills,
a California municipal corporation

_____
,
City Manager

ATTEST:

(SEAL)

_____
, City Clerk

APPROVED AS TO FORM:

_____
,
City Attorney

"CONSULTANT"

By: _____
,
President

By: _____
,
Secretary

EXHIBIT "A"

CONSULTANT'S PROPOSAL/ SCOPE OF WORK

FOR

PROJECT NAME

DATED: _____, 2025

SCOPE OF SERVICES FOR PROJECT

INCLUDING,

SCHEDULE OF PERFORMANCE

AND

SCHEDULE OF COMPENSATION/ FEES

EXHIBIT "B"

CITY'S REQUEST FOR PROPOSALS (RFP)

PROJECT NAME

DATED: _____, 2025

EXHIBIT "C"

TITLE VI ASSURANCES

The U.S. Department of Transportation Order No.1050.2A requires all federal-aid Department of Transportation contracts between an agency and a consultant to contain the Appendices A and E of the Title VI Assurances, which are set forth herein. In addition, the Consultant must include the Title VI Assurances Appendices A and E, and, if applicable, Appendices B, C, and D in all subcontracts to perform work under the Agreement.

The clauses of Appendix B of this Assurance shall be included as a covenant running with the land, in any deed from the United States effecting or recording a transfer of real property, structures, use, or improvements thereon or interest therein to City.

The clauses set forth in Appendix C and Appendix D of this Assurance shall be included as a covenant running with the land, in any future deeds, leases, licenses, permits, or similar instruments entered into by the City with other parties:

a. for the subsequent transfer of real property acquired or improved under the applicable activity, project, or program; and

b. for the construction or use of, or access to, space on, over, or under real property acquired or improved under the applicable activity, project, or program.

APPENDIX A

During the performance of this Agreement, the Consultant, for itself, its assignees, and successors in interest (hereinafter collectively referred to as "CONSULTANT") agrees as follows:

a. *Compliance with Regulations: CONSULTANT shall comply with the regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the REGULATIONS), which are herein incorporated by reference and made a part of this Agreement.*

b. *Nondiscrimination: CONSULTANT, with regard to the Work performed by it during the Agreement, shall not discriminate on the grounds of race, color, sex, national origin, religion, age, or disability in the selection and retention of sub-applicants, including procurements of materials and leases of equipment. CONSULTANT shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the agreement covers a program set forth in Appendix B of the Regulations.*

c. *Solicitations for Sub-agreements, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by CONSULTANT for work to be performed under a Sub-agreement, including procurements of materials or leases of equipment, each potential sub-applicant or supplier shall be notified by CONSULTANT of the CONSULTANT'S obligations under this Agreement and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.*

d. *Information and Reports: CONSULTANT shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the recipient or FHWA to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of CONSULTANT is in the exclusive possession of another who fails or refuses to furnish this information, CONSULTANT shall so certify to the recipient or FHWA as appropriate, and shall set forth what efforts CONSULTANT has made to obtain the information.*

e. *Sanctions for Noncompliance: In the event of CONSULTANT's noncompliance with the nondiscrimination provisions of this Agreement, the City shall impose such Agreement sanctions as it or the FHWA may determine to be appropriate, including, but not limited to:*

    i. *withholding of payments to CONSULTANT under the Agreement within a reasonable period of time, not to exceed 90 days; and/or*

    ii. *cancellation, termination or suspension of the Agreement, in whole or in part.*

f. Incorporation of Provisions: CONSULTANT shall include the provisions of paragraphs (1) through (6) in every sub-agreement, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto.

CONSULTANT shall take such action with respect to any sub-agreement or procurement as the recipient or FHWA may direct as a means of enforcing such provisions including sanctions for noncompliance, provided, however, that, in the event CONSULTANT becomes involved in, or is threatened with, litigation with a sub-applicant or supplier as a result of such direction, CONSULTANT may request the recipient enter into such litigation to protect the interests of the State, and, in addition, CONSULTANT may request the United States to enter into such litigation to protect the interests of the United States.

APPENDIX B
CLAUSES FOR DEEDS TRANSFERRING UNITED STATES PROPERTY

The following clauses will be included in deeds effecting or recording the transfer of real property, structures, or improvements thereon, or granting interest therein from the United States pursuant to the provisions of Assurance 4:

NOW THEREFORE, the U.S. Department of Transportation as authorized by law and upon the condition that the recipient will accept title to the lands and maintain the project constructed thereon in accordance with Title 23 U.S.C., the regulations for the administration of the preceding statute, and the policies and procedures prescribed by the FHWA of the U.S. Department of Transportation in accordance and in compliance with all requirements imposed by Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation pertaining to and effectuating the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252; 42 U.S.C. § 2000d to 2000d-4), does hereby remise, release, quitclaim and convey unto the recipient all the right, title and interest of the U.S. Department of Transportation in and to said lands described in Exhibit A attached hereto and made a part hereof.

1. (HABENDUM CLAUSE)

TO HAVE AND TO HOLD said lands and interests therein unto the recipient and its successors forever, subject, however, to the covenants, conditions, restrictions and reservations herein contained as follows, which will remain in effect for the period during which the real property or structures are used for a purpose for which Federal financial assistance is extended or for another purpose involving the provision of similar services or benefits and will be binding on the recipient, its successors and assigns. The recipient, in consideration of the conveyance of said lands and interest in lands, does hereby covenant and agree as a covenant running with the land for itself, its successors and assigns, that (1) no person will on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination with regard to any facility located wholly or in part on, over, or under such lands hereby conveyed [,] [and] (2) that the recipient will use the lands and interests in lands and interest in lands so conveyed, in compliance with all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations and Acts may be amended[, and (3) that in the event of breach of any of the above-mentioned non-discrimination conditions, the Department will have a right to enter or re-enter said lands and facilities on said lands, and that above described land and facilities will thereon revert to and vest in and become the absolute property of the U.S. Department of Transportation and its assigns as such interest existed prior to this instruction].* (*Reverter clause and related language to be used only when it is determined that such a clause is necessary in order to make clear the purpose of Title VI.)*

APPENDIX C
CLAUSES FOR TRANSFER OF REAL PROPERTY ACQUIRED OR IMPROVED UNDER THE ACTIVITY, FACILITY, OR PROGRAM

The following clauses will be included in deeds, licenses, leases, permits, or similar instruments entered into by the recipient pursuant to the provisions of Assurance 7(a):

A. *The (grantee, lessee, permittee, etc. as appropriate) for himself/herself, his/her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree [in the case of deeds and leases add "as a covenant running with the land"] that:*

    1. *In the event facilities are constructed, maintained, or otherwise operated on the property described in this (deed, license, lease, permit, etc.) for a purpose for which a U.S. Department of Transportation activity, facility, or program is extended or for another purpose involving the provision of similar services or benefits, the (grantee, licensee, lessee, permittee, etc.) will maintain and operate such facilities and services in compliance with all requirements imposed by the Acts and Regulations (as may be amended) such that no person on the grounds of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.*

B. *With respect to licenses, leases, permits, etc., in the event of breach of any of the above Non-discrimination covenants, the recipient will have the right to terminate the (lease, license, permit, etc.) and to enter, re-enter, and repossess said lands and facilities thereon, and hold the same as if the (lease, license, permit, etc.) had never been made or issued.**

C. *With respect to a deed, in the event of breach of any of the above Non-discrimination covenants, the recipient will have the right to enter or re-enter the lands and facilities thereon, and the above described lands and facilities will there upon revert to and vest in and become the absolute property of the recipient and its assigns.**

*(*Reverter clause and related language to be used only when it is determined that such a clause is necessary to make clear the purpose of Title VI.)*

APPENDIX D
CLAUSES FOR CONSTRUCTION/USE/ACCESS TO REAL PROPERTY ACQUIRED UNDER THE ACTIVITY, FACILITY OR PROGRAM

The following clauses will be included in deeds, licenses, permits, or similar instruments/agreements entered into by the recipient pursuant to the provisions of Assurance 7(b):

A. *The (grantee, licensee, permittee, etc., as appropriate) for himself/herself, his/her heirs, personal representatives, successors in interest ,and assigns, as a part of the consideration hereof, does hereby covenant and agree (in the case of deeds and leases add, "as a covenant running with the land") that (1) no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land, and the furnishings of services thereon, no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits or, or otherwise be subjected to discrimination, (3) that the (grantee, licensee, lessee, permittee, etc.) will use the premises in compliance with all other requirements imposed by or pursuant to the Acts and Regulations, as amended, set forth in this Assurance.*

B. *With respect to (licenses, leases, permits, etc.) in the event of breach of any of the above of the above Non-discrimination covenants, the recipient will have the right to terminate the (license, permits, etc., as appropriate) and to enter or re-enter and repossess said land and the facilities thereon, and hold the same as if said (license, permit, etc., as appropriate) had never been made or issued.**

C. *With respect to deeds, in the event of breach of any of the above Non-discrimination covenants, the recipient will there upon revert to and vest in and become the absolute property of the recipient and its assigns.*

APPENDIX E

During the performance of this Agreement, the CONSULTANT, for itself, its assignees, and successors in interest (hereinafter referred to as the "CONSULTANT") agrees to comply with the following non-discrimination statutes and authorities, including, but not limited to:

Pertinent Non-Discrimination Authorities:

- *Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.*
- *The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);*
- *Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), prohibits discrimination on the basis of sex;*
- *Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CR Part 27;*
- *The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), prohibits discrimination on the basis of age);*
- *Airport and Airway Improvement Act of 1982, (49 U.S.C. § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);*
- *The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);*
- *Titles II and III of the Americans with Disabilities Act, which prohibit discrimination of the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 – 12189) as implemented by Department of Transportation regulations 49 C.F.R. parts 37 and 38;*
- *The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);*
- *Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;*
- *Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);*

- *Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).*

EXHIBIT "D"

CALTRANS EXHIBIT 9-P: PROMPT PAYMENT CERTIFICATION

EXHIBIT 9-P: PROMPT PAYMENT CERTIFICATION

Section 7108.5 of the California Business and Professions Code (CBPC) requires a prime contractor or subcontractor (i.e. builders) to pay any subcontractor not later than seven (7) days after receipt of each progress payment received or final retention payment. Section 3321 of the California Civil Code (CCC) requires prime design professionals (prime consultants directly in contract with a public agency) to pay any subconsultant not later than fifteen (15) days after receipt of each progress payment or final retention payment. The payment cannot be delayed because of disagreements on other contracts. Any delay or postponement of payment among the parties may take place only for good cause with the agency's prior written approval. This requirement applies to both DBE and non-DBE subcontractors.

1. CONTRACT INFORMATION

(1) Prime Contractor/Consultant	(2) Local Agency	(3) Federal Project Number	(4) Local Contract Number	(5) Total Contract Award Amt ($)	(6) Total DBE Commitment Amt ($)	(7) DBE Commitment (%)	(8) DBE Contract Goal (%)	(9) Reporting Period (MM/YYYY)

2. PAYMENT INFORMATION

(10) Subcontractor/Subconsultant Name	(11) DBE Cert. Number	(12) Subcontract Type	(13) Date Payment Received by Prime	(14) Date of Prime Payment to Sub	(15) Amount of Payment ($)	(16) Amount Paid To Sub to Date ($)	(17) Total Committed to This Subcontractor ($)	(18) Promptly Paid? (Y/N)	(19) Incremental Retainage Paid? (Y/N)	(20) Comments or Reason for Non-Payment/Non-Prompt Payment, including Payment of incremental Retainage *
				Totals	$0.00	$0.00	$0.00			

List all first-tier subcontractors/subconsultants, whether or not the firms were originally listed in Exhibit 10-O2 or 15-G as a DBE commitment. If the actual DBE utilization was different than that approved at the time of award, provide comments in box (20). All payments reported, including payments to contractor/consultant, are for the date listed.

* Only reasons based on dispute on subcontractor or supplier noncompliance may be accepted.

3. CERTIFICATION

The prime contractor or consultant hereby certifies that the foregoing Prompt Payment

(21) Prime Contractor Manager's Signature

(22) Date

(25) Prime Contractor Manager's Name

(26) Phone

Local Agency certifies that all information in this form is complete and

(23) Local Agency Representative's Signature

(24) Date

(27) Local Agency Representative 's Name

(28) Phone

Exhibit 9-P Instructions

I. Purpose

Section 7108.5 of the California Business and Professions Code (CBPC) requires a prime contractor or subcontractor (i.e. builders) to pay any subcontractor not later than seven (7) days after receipt of each progress payment received or final retention payment. Section 3321 of the California Civil Code (CCC) requires prime design professionals (prime consultants directly in contract with a public agency) to pay any subconsultant not later than fifteen (15) days after receipt of each progress payment or final retention payment. The payment cannot be delayed because of disagreements on other contracts. Any delay or postponement of payment among the parties may take place only for good cause with the agency's prior written approval. This requirement applies to both DBE and non-DBE subcontractors.

II. Instruction

For projects that are awarded on or after September 1, 2023:

The prime contractor or consultant must submit Exhibit 9-P to the LPA administering the contract by the 15th of the month following the month of any payment(s). If the prime contractor or consultant does not make any payments to subcontractors, suppliers, and/or manufactures they must report "no payments were made to subs this month" and write this visibly and legibly on Exhibit 9-P.

A failure to complete the Prompt Pay reporting requirement may result in the withholding of the prime contractor or consultant's next progress payment and/or final payment. Additionally, Caltrans may require the LPA to issue a corrective action plan and /or it may require the LPA to suspend the contract in whole or in part if the prime or consultant does not make up the shortfall.

LPA must verify all Exhibit 9-P information, monitor compliance with prompt payment requirements for DBE and non-DBE firms, and address any shortfalls to the DBE commitment and prompt payment issues until the end of the project. The LPA must email a copy of Exhibit 9-P to DBE.Forms@dot.ca.gov before the end of the month after receiving the Exhibit 9-P from prime contractor or consultant.

1. CONTRACT INFORMATION

(1) **Prime Contractor/Consultant:** Enter the business name for the prime contractor/consultant.
(2) **Local Agency:** Enter the local agency name.
(3) **Federal Aid Project Number**: Enter the 7-digit federal-aid project number of the lead project on the contract. E.g. 5002(123) is a valid Federal-Aid Project Number.
(4) **Local Contract Number:** Enter the Local Agency contract number or identifier.
(5) **Total Contract Award Amount ($):** Enter the total contract award amount of the project.
(6) **Total Contract DBE Commitment Amount ($):** Enter the total DBE commitment award amount of the project as it appears on Exhibit 10-O2 or Exhibit 15-G.
(7) **DBE Commitment (%):** Enter percentage of the Prime contract committed to DBE firms as it appears on Exhibit 10-O2 or Exhibit 15-G.
(8) **DBE Contract Goal (%):** Enter the contract DBE goal percentage as it appears on the project advertisement.
(9) **Reporting Period (Month-Year):** Indicate the month and year of payments being reported.

2. PAYMENT INFORMATION

(10) **Subcontractor/Subconsultant name:** Enter subcontractor/consultant firm's name.

(11) **DBE Cert. Number**: List the DBE's certification number as listed in the California Unified Certification Program (CUCP) database.

(12) **Subcontract Type**: Enter the most appropriate Subcontractor's contract type.

(13) **Date of Payment Received by Prime**: Enter date when a check is issued by LPA to the prime contractor/consultant for work performed by the contractor/consultant.

(14) **Date of Prime Payment to Sub**: Enter date when a check is issued by prime to the subcontractor/subconsultant for work performed by the subcontractor/subconsultant.

(15) **Amount of Payment ($)**: Enter the total amount paid to the subcontractor this period.

(16) **Amount Paid to Sub to Date ($)**: Enter the total amount paid to this subcontractor to date. This should be a total of past payments plus payment for the current work just invoiced to the Local Agency.

(17) **Total amount committed to this subcontractor ($)**: Enter the total amount committed to this subcontractor, copy the information from the agency signed Exhibit 10-O2 or 15-G.

(18) **Promptly Paid? (Y/N**): Enter "Y" if payment was made in accordance with the contract. Enter "N" if it's in dispute. Must provide comments regarding any dispute of payment.

(19) **Incremental Retainage Paid? (Y/N)**: Enter "Y" if this payment was a retainage payment. Enter "N" if this was a progress or final payment.

(20) **Comments or Reason for Non-Payment/Non-Prompt Payment, including Payment of Incremental Retainage ***: Only reasons based on dispute with subcontractor or supplier noncompliance may be accepted. Add appropriate notes if a DBE subcontract was terminated, a DBE subcontract was added, if change orders impacted the DBE's payments (include good faith efforts the prime contractor/consultant implemented), if task orders weren't issued, etc.

3. CERTIFICATION

(21) **Prime Contractor Manager's Signature**: Self explanatory

(22) **Date**: Provide the date Prime Contractor Manager signed this form.

(23) **Local Agency Presentative's Signature**: Self explanatory.

(24) **Date**: Provide the date Local Agency Presentative signed this form.

(25) **Prime Contractor Manager's Name**: Self explanatory.

(26) **Phone**: Self explanatory

(27) **Local Agency Presentative's Name**: Self explanatory.

(28) **Phone**: Self explanatory

EXHIBIT "E"

CALTRANS MASTER AGREEMENT AND PROGRAM SUPPLEMENT

MASTER AGREEMENT ADMINISTERING AGENCY-STATE AGREEMENT
STATE-FUNDED PROJECTS
12 City of Laguna Hills District Administering Agency

Agreement No. 12-5468521

This AGREEMENT, is entered into effective this 18 th day of June , 20 24, by and between the City of Laguna Hills, hereinafter referred to as "ADMINISTERING AGENCY," and the State of California, acting by and through its Department of Transportation (Caltrans), hereinafter referred to as "STATE", and together referred to as "PARTIES" or individually as a "PARTY."

RECITALS:

1. **WHEREAS, the Legislature of the State of California has enacted legislation by which certain State funds are made available for use on local transportation related projects of public entities qualified to act as recipients of these state funds; and**
2. **WHEREAS, ADMINISTERING AGENCY has applied to the California Transportation Commission (CTC) and/or STATE for funding from a State-funded program (herein referred to as STATE FUNDS), as defined in the Local Assistance Program Guidelines (LAPG) and/or in the respective CTC Guidelines, for use on local authorized transportation related projects as a local administered project(s), hereinafter referred to as "PROJECT"; and**
3. **WHEREAS, said PROJECT will not receive any federal funds; and**
4. **WHEREAS, before STATE FUNDS will be made available for PROJECT, ADMINISTERING AGENCY and STATE are required to enter into an agreement to establish terms and conditions applicable to the ADMINISTERING AGENCY when receiving STATE FUNDS for a designated PROJECT facility and to the subsequent operation and maintenance of that completed facility.**

NOW, THEREFORE, the PARTIES agree as follows:

ARTICLE I - PROJECT ADMINISTRATION

1. **This AGREEMENT shall have no force or effect with respect to any program project unless and until a project- specific Program Supplement to this AGREEMENT for state funded projects, hereinafter referred to as "PROGRAM SUPPLEMENT", has been fully executed by both STATE and ADMINISTERING AGENCY.**
2. **The State approved project-specific allocation notification letter and approved CTC allocation documentation designate the party responsible for implementing PROJECT, type of work, and location of PROJECT for projects requiring CTC allocation by PROJECT component of work.**

3. **The PROGRAM SUPPLEMENT sets out special covenants as a condition for the ADMINISTERING AGENCY to receive STATE FUNDS from/through STATE for designated PROJECT. The PROGRAM SUPPLEMENT shall also show these STATE FUNDS that have been initially encumbered for PROJECT along with the matching funds to be provided by ADMINISTERING AGENCY and/or others. Execution of PROGRAM SUPPLEMENT by the PARTIES shall cause ADMINISTERING AGENCY to adopt all the terms of this AGREEMENT as though fully set forth therein in the PROGRAM SUPPLEMENT. Unless otherwise expressly delegated in a resolution by the governing body of ADMINISTERING AGENCY, and with written concurrence by STATE, the PROGRAM SUPPLEMENT shall be approved and managed by the governing body of ADMINISTERING AGENCY.**
4. **ADMINISTERING AGENCY agrees to execute and return each project-specific PROGRAM SUPPLEMENT. The PARTIES agree that STATE may suspend future allocations, encumbrances and invoice payments for any on- going or future STATE FUNDED PROJECT performed by ADMINISTERING AGENCY if any project-specific PROGRAM SUPPLEMENT is not returned, unless otherwise agreed by STATE in writing.**
5. **ADMINISTERING AGENCY further agrees, as a condition to the release and payment of STATE FUNDS encumbered for the PROJECT described in each PROGRAM SUPPLEMENT, to comply with the terms and conditions of this AGREEMENT and all the agreed-upon Special Covenants or Remarks incorporated within the PROGRAM SUPPLEMENT, and Cooperative/Contribution Agreement where appropriate, defining and identifying the nature of the specific PROJECT.**
6. **STATE FUNDS will not participate in any portion of PROJECT work performed in advance of the effective date of allocation by CTC, or by STATE for allocations delegated to STATE by CTC, for said PROJECT.**
7. **Projects allocated with STATE FUNDS will be administered in accordance with the current CTC STIP Guidelines, applicable chapter(s) of the LAPG, LAPM and/or any other instructions published by STATE.**
8. **ADMINISTERING AGENCY agrees to ensure compliance with all relevant State laws and requirements for work related to PROJECT, including the California Environmental Quality Act (CEQA).**
9. **ADMINISTERING AGENCY'S eligible costs for preliminary engineering work includes all preliminary work directly related to PROJECT up to contract award for construction, including, but not limited to, environmental studies and permits (E&P), preliminary surveys and reports, laboratory work, soil investigations, the preparation of plans, specifications and estimates (PS&E), advertising for bids, awarding of a contract and project development contract administration.**

10. **ADMINISTERING AGENCY's eligible costs for construction engineering include actual inspection and supervision of PROJECT construction work; construction staking; laboratory and field testing; and the preparation and processing of field reports, records, estimates, final reports, and allowable expenses of employees/consultants engaged in such activities.**
11. **Unless the PARTIES agree otherwise in writing, ADMINISTERING AGENCY'S employees or its contracted engineering consultant shall be responsible for all PROJECT engineering work.**
12. **ADMINISTERING AGENCY shall not proceed with final design of PROJECT until final environmental approval of PROJECT. Final design entails the design work necessary to complete the PS&E and other work necessary for a construction contract but not required earlier for environmental clearance of that PROJECT.**
13. **If PROJECT is not on STATE-owned right-of-way, PROJECT shall be constructed in accordance with Chapter 11 of the LAPM that describes minimum statewide design standards for local agency streets and rqads. The design standards for projects *off* the National Highway System (NHS) allow STATE to accept either the current Caltrans Highway Design Manual standards, the current FHWA-adopted American Association of State Highway and Transportation Officials (AASHTO) A Policy on Geometric Design of Highways and Streets standards, or the approved geometric design standards of ADMINISTERING AGENCY. Additionally, for projects *off* the NHS, STATE will accept ADMINISTERING AGENCY-approved standard specifications, standard plans, materials sampling and testing quality assurance programs that meet the conditions described in the then current Local Assistance Procedures Manual.**
14. **If PROJECT involves work within or partially within STATE-owned right-of-way, that PROJECT shall also be subject to compliance with the policies, procedures and standards of the STATE Project Development Procedures Manual and Highway Design Manual and where appropriate, an executed cooperative agreement between STATE and ADMINISTERING AGENCY that outlines the PROJECT responsibilities and respective obligations of the PARTIES. ADMINISTERING AGENCY and its contractors shall each obtain an encroachment permit through STATE prior to commencing any work within STATE rights-of-way or work which affects STATE facilities.**
15. **When PROJECT is not on the State Highway System (SHS) but includes work to be performed by a railroad, the contract for such work shall be prepared by ADMINISTERING AGENCY or by STATE, as the PARTIES may hereafter agree. In either event, ADMINISTERING AGENCY shall enter into an agreement with the railroad providing for future maintenance of protective devices or other facilities installed under the contract.**
16. **ADMINISTERING AGENCY shall comply with the provisions of sections 4450 and 4454 of the California Government Code, as well as other Department of General Services guidance, if applicable, for the contract PS&E for the construction of buildings, structures, sidewalks, curbs and related facilities for accessibility and usability. Further requirements and guidance are provided in Title 24 of the California Code of Regulations.**
17. **ADMINISTERING AGENCY shall provide a full-time public employee to be in responsible charge of each PROJECT. ADMINISTERING AGENCY shall provide or arrange for adequate supervision and inspection of each PROJECT. ADMINISTERING AGENCY may utilize consultants to perform supervision and inspection work for PROJECT with a**

fully qualified and licensed engineer. Utilization of consultants does not relieve ADMINISTERING AGENCY of its obligation to provide a full-time public employee to be in responsible charge of each PROJECT.

18. **Unless otherwise provided in the PROGRAM SUPPLEMENT, ADMINISTERING AGENCY shall advertise, award, and administer the PROJECT construction contract or contracts.**
19. **The cost of maintenance, security, or protection performed by ADMINISTERING AGENCY or contractor forces during any temporary suspension of PROJECT or at any other time may not be charged to the PROJECT.**
20. **ADMINISTERING AGENCY shall submit PROJECT-specific award information to STATE's District Local Assistance Engineer, within sixty (60) days after contract award.**
21. **ADMINISTERING AGENCY shall submit the final report documents that collectively constitute a "Final Project Expenditure Report", LAPM Exhibit 17-M, within one hundred eighty (180) days of PROJECT completion. Failure by ADMINISTERING AGENCY to submit a "Final Project Expenditure Report", within 180 days of project completion will result in STATE imposing sanctions upon ADMINISTERING AGENCY in accordance with the Local Assistance Procedures Manual.**
22. **ADMINISTERING AGENCY shall comply with the Americans with Disabilities Act (ADA) of 1990 that prohibits discrimination on the basis of disability and all applicable regulations and guidelines issued pursuant to the ADA.**
23. **The Governor and the Legislature of the State of California, each within their respective jurisdictions, have prescribed certain nondiscrimination requirements with respect to contract and other work financed with public funds. ADMINISTERING AGENCY agrees to comply with the requirements of the FAIR EMPLOYMENT PRACTICES ADDENDUM, attached hereto as Exhibit A and further agrees that any agreement entered into by ADMINISTERING AGENCY with a third party for performance of work connected with PROJECT shall incorporate Exhibit A (with third party's name replacing ADMINISTERING AGENCY) as parts of such agreement.**
24. **ADMINISTERING AGENCY shall include in all contracts and subcontracts awarded when applicable, a clause that requires each subcontractor to comply with California Labor Code requirements that all workers employed on public works aspects of any project (as defined in California Labor Code sections 1720-1815) be paid not less than the general prevailing wage rates predetermined by the Department of Industrial Relations as effective at the date of contract award by the ADMINISTERING AGENCY.**

ARTICLE II - RIGHTS-OF-WAY

1. **No contract for the construction of a STATE FUNDED PROJECT shall be awarded until all necessary rights of way have been secured. Prior to the advertising for construction of PROJECT, ADMINISTERING AGENCY shall certify and, upon request, shall furnish STATE with evidence that all necessary rights-of-way are available for construction purposes or will be available by the time of award of the construction contract.**
2. **The furnishing of rights of way by ADMINISTERING AGENCY as provided for herein includes, and is limited to, the following, unless the PROGRAM SUPPLEMENT provides otherwise.**
   (a) **Expenditures of capital and support to purchase all real property required for**

PROJECT free and clear of liens, conflicting easements, obstructions and encumbrances, after crediting PROJECT with the fair market value of any excess property retained and not disposed of by ADMINISTERING AGENCY.

(b) **The cost of furnishing of right-of-way as provided for herein includes, in addition to real property required for the PROJECT, title free and clear of obstructions and encumbrances affecting PROJECT and the payment, as required by applicable law, of damages to owners of remainder real property not actually taken but injuriously affected by PROJECT.**

(c) **The cost of relocation payments and services provided to owners and occupants pursuant to Government Code sections 7260-7277 when PROJECT displaces an individual, family, business, farm operation or nonprofit organization.**

(d) **The cost of demolition and/or the sale of all improvements on the right-of-way after credit is recorded for sale proceeds used to offset PROJECT costs.**

(e) **The cost of all unavoidable utility relocation, protection or removal.**

(f) **The cost of all necessary hazardous material and hazardous waste treatment, encapsulation or removal and protective storage for which ADMINISTERING AGENCY accepts responsibility and where the actual generator cannot be identified, and recovery made.**

3. **ADMINISTERING AGENCY agrees to indemnify and hold STATE harmless from any liability that may result in the event the right-of-way for a PROJECT is not clear as certified by ADMINISTERING AGENCY, including, but not limited to, if said right-of-way is found to contain hazardous materials requiring treatment or removal to remediate in accordance with Federal and State laws. ADMINISTERING AGENCY shall pay, from its own non- matching funds, any costs which arise out of delays to the construction of PROJECT because utility facilities have not been timely removed or relocated, or because rights-of-way were not available to ADMINISTERING AGENCY for the orderly prosecution of PROJECT work.**

ARTICLE 111 - MAINTENANCE AND MANAGEMENT

1. **ADMINISTERING AGENCY will maintain and operate the property acquired, developed, constructed, rehabilitated, or restored by PROJECT for its intended public use until such time as the parties might amend this AGREEMENT to otherwise provide. With the approval of STATE, ADMINISTERING AGENCY or its successors in interest in the PROJECT property may transfer this obligation and responsibility to maintain and operate PROJECT property for that intended public purpose to another public entity.**
2. **Upon ADMINISTERING AGENCY'S acceptance of the completed construction contract or upon contractor being relieved of the responsibility for maintaining and protecting PROJECT, ADMINISTERING AGENCY will be responsible for the maintenance, ownership, liability, and the expense thereof, for PROJECT in a manner satisfactory to the authorized representatives of STATE and if PROJECT falls within the jurisdictional limits of another Agency or Agencies, it is the duty of ADMINISTERING AGENCY to facilitate a separate maintenance agreement(s) between itself and the other jurisdictional Agency or Agencies providing for the operation, maintenance, ownership and liability of PROJECT. Until those agreements are executed, ADMINISTERING AGENCY will be responsible for all PROJECT operations, maintenance, ownership and liability in a manner satisfactory to the authorized representatives of STATE. If, within ninety (90) days after receipt of notice from STATE that a PROJECT, or any portion thereof, is not**

being properly operated and maintained and ADMINISTERING AGENCY has not satisfactorily remedied the conditions complained of, the approval of future STATE FUNDED PROJECTS of ADMINISTERING AGENCY will be withheld until the PROJECT shall have been put in a condition of operation and maintenance satisfactory to STATE. The provisions of this section shall not apply to a PROJECT that has been vacated through due process of law with STATE's concurrence.

3. **PROJECT and its facilities shall be maintained by an adequate and well-trained staff of engineers and/or such other professionals and technicians as PROJECT reasonably requires. Said operations and maintenance staff may be employees of ADMINISTERING AGENCY, another unit of government, or a contractor under agreement with ADMINISTERING AGENCY. All maintenance will be performed at regular intervals or as required for efficient operation of the complete PROJECT improvements.**
4. **ADMINISTERING AGENCY shall comply with all applicable law, including but not limited to, all applicable legal authority regarding construction standards.**

ARTICLE IV - FISCAL PROVISIONS

1. **All contractual obligations of STATE are subject to the appropriation of resources by the Legislature and the allocation of resources by the CTC.**
2. **STATE'S financial commitment of STATE FUNDS will occur only upon the execution of this AGREEMENT, the execution of each project-specific PROGRAM SUPPLEMENT and/or STATE's approved finance letter.**
3. **ADMINISTERING AGENCY agrees, as a minimum, to submit invoices in arrears for reimbursement of allowable PROJECT costs at least once every six months commencing after the STATE FUNDS are encumbered on either the project-specific PROGRAM SUPPLEMENT or through a project-specific finance letter approved by STATE·. STATE reserves the right to suspend future allocations and invoice payments for any on-going or future STATE FUNDED project performed by ADMINISTERING AGENCY if PROJECT costs have not been invoiced by ADMINISTERING AGENCY for a six- month period**
4. **Invoices shall be submitted on a standardized billing summary template, in accordance with Chapter 5 of the LAPM to claim reimbursement by ADMINISTERING AGENCY. For construction invoices, pay estimates must be included.**
5. **ADMINISTERING AGENCY must retain at least one copy of supporting backup documentation for allowable costs incurred and claimed for reimbursement by ADMINISTERING AGENCY. ADMINISTERING AGENCY agrees to submit supporting backup documentation with invoices if requested by State. Acceptable backup documentation includes, but is not limited to, agency's progress payment to the contractors, copies of cancelled checks showing amounts made payable to vendors and contractors, and/or a computerized summary of PROJECT costs.**
6. **Payments to ADMINISTERING AGENCY can only be released by STATE as reimbursements of actual allowable PROJECT costs already incurred and paid for by the ADMINISTERING AGENCY.**
7. **Indirect Cost Allocation Plans/Indirect Cost Rate Proposals (ICAP/IC RP), Central Service Cost Allocation Plans and related documentation are to be prepared and provided to the Inspector General - Independent Office of Audits and Investigations for review and approval prior to ADMINISTERING AGENCY seeking reimbursement of**

indirect cost incurred within each fiscal year being claimed for reimbursement. ICAPs/lCRPs must be prepared in accordance with the requirements set forth in 2 CFR, Part 200, Chapter 5 of the LAPM, and the ICAP/ICRP approval procedures established by STATE.

8. **STATE will withhold the greater of either two (2) percent of the total of all STATE FUNDS encumbered for each PROGRAM SUPPLEMENT or $40,000 until ADMINISTERING AGENCY submits the Final Report of Expenditures for each completed PROGRAM SUPPLEMENT PROJECT.**
9. **The estimated total cost of PROJECT, the amount of STATE FUNDS obligated, and the required matching funds may be adjusted by mutual consent of the PARTIES with a finance letter, and an allocation notification letter when applicable. STATE FUNDING may be increased to cover PROJECT cost increases only if such additional funds are available and the CTC and/or STATE concurs with that increase in the form of an allocation and 'finance letter.**
10. **When such additional STATE FUNDS are not available, ADMINISTERING AGENCY agrees that any increases in PROJECT costs must be defrayed with ADMINISTERING AGENCY'S own funds.**

11. **ADMINISTERING AGENCY shall use its own non-STATE FUNDS to finance the local share of eligible costs and all PROJECT expenditures or contract items ruled ineligible for financing with STATE FUNDS. STATE shall make the final determination of ADMINISTERING AGENCY'S cost eligibility for STATE FUNDED financing with respect to claimed PROJECT costs.**
12. **ADMINISTERING AGENCY will reimburse STATE for STATE's share of costs for work performed by STATE at the request of ADMINISTERING AGENCY. STATE's costs shall include overhead assessments in accordance with section 8755.1 of the State Administrative Manual.**
13. **STATE FUNDS allocated by the CTC and/or STATE are subject to the timely use of funds provisions approved in CTC Guidelines and State procedures approved by the CTC and STATE.**
14. **STATE FUNDS encumbered for PROJECT are available for liquidation only for a limited period from the beginning of the State fiscal year when those funds were appropriated in the State Budget. STATE FUNDS not liquidated within these periods will be reverted unless a Cooperative Work Agreement (CWA) is submitted by ADMINISTERING AGENCY and approved by the California Department of Finance in accordance with Section 16304 of the Government Code. The exact date of fund reversion will be reflected in the STATE signed PROJECT finance letter.**
15. **Payments to ADMINISTERING AGENCY for PROJECT-related travel and subsistence (per diem) expenses of ADMINISTERING AGENCY forces and its contractors and subcontractors claimed for reimbursement or as local match credit shall not exceed rates authorized to be paid to rank and file STATE employees under current California Department of Human Resources (CalHR) rules unless a Cooperative Work Agreement (CWA) is submitted by ADMINISTERING AGENCY and approved by the California Department of Finance in accordance with Government Code section 16304. If the rates invoiced by ADMINISTERING AGENCY are in excess of CalHR rates, ADMINISTERING AGENCY is responsible for the cost difference, and any overpayments inadvertently paid by STATE shall be reimbursed to STATE by ADMINISTERING AGENCY on demand.**

16. **ADMINISTERING AGENCY agrees to comply with California Government Code 4525-4529.14. Administering Agency shall undertake the procedures described in California Government Code 4527(a) and 4528(a). Administering Agency shall also comply with 2 CFR Part 200 Uniform Administrative Requirements, Cost Principles and Audit Requirement for Federal Awards, excluding 2 CFR Part 200.318-200.326.**
17. **ADMINISTERING AGENCY agrees and will assure that its contractors and subcontractors will be obligated to agree that Contract Cost Principles and Procedures, 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31, et seq., shall be used to determine the allowability of individual PROJECT cost items. Every recipient and sub-recipient receiving PROJECT funds under this AGREEMENT shall comply with Federal administrative procedures in accordance with 2 CFR, Part 200, Uniform Administrative Requirements, Cost Principles and Audit Requirement for Federal Awards, excluding 2 CFR Part 200.318-200.326Governments. ADMINISTERING AGENCY agrees to comply with the provisions set forth in 23 CFR Parts 140, 645 and 646 when contracting with railroad and utility companies.**
18. **Every recipient and sub-recipient receiving PROJECT funds under this AGREEMENT shall comply with 2 CFR 200 excluding 2 CFR Part 200.318-200.326, 48 CFR Chapter 1, Part 31, LAPM, Public Contract Code (PCC) 10300- 10334 (procurement of goods), PCC 10335-10381 (non-A&E services), California Government Code 4525-4529.5 including 4527(a) and 4528(a), and other applicable STATE regulations.**
19. **Any PROJECT costs for which ADMINISTERING AGENCY has received payment or credit that are determined by subsequent audit to be questioned, disallowed, or unallowable under 2 CFR, Part 200, 48 CFR, Chapter 1, Part 31, 23 CFR Parts 140, 645 and 646, LAPM, Public Contract Code (PCC) 10300-10334 (procurement of goods), PCC 10335-10381 (non-A&E services), California Government Code 4525-4529.5 including 4527(a) and 4528(a), and other applicable STATE regulations are subject to repayment by ADMINISTERING AGENCY to STATE and may result in STATE imposing sanctions on ADMINISTERING AGENCY as described in Chapter 20 of the Local Assistance Procedures Manual.**
20. **Should ADMINISTERING AGENCY fail to refund any moneys due upon written demand by STATE as provided herein or should ADMINISTERING AGENCY breach this AGREEMENT by failing to complete PROJECT without adequate justification and approval by STATE, then, within thirty (30) days of demand, or within such other period as may be agreed to in writing between the PARTIES hereto, STATE, acting through the State Controller, the State Treasurer, the CTC or any other public entity or agency, may intercept, withhold and demand the transfer of an amount equal to the amount paid by or owed to STATE for each PROJECT, from future apportionments, or any other funds due ADMINISTERING AGENCY from the Highway Users Tax Fund or any other sources of funds, and/or may also withhold approval of future STATE FUNDED projects proposed by ADMINISTERING AGENCY.**
21. **Should ADMINISTERING AGENCY be declared to be in breach of this AGREEMENT or otherwise in default thereof by STATE, and if ADMINISTERING AGENCY is constituted as a joint powers authority, special district, or any other public entity not directly receiving funds through the State Controller, STATE is authorized to obtain reimbursement from whatever sources of funding are available, including the withholding or transfer of funds, from those constituent entities comprising a joint powers authority or by bringing of an action against ADMINISTERING AGENCY or its constituent member entities, to recover all funds provided by STATE hereunder.**

22. **ADMINISTERING AGENCY acknowledges that the signatory party represents the ADMINISTERING AGENCY and further warrants that there is nothing within a Joint Powers Agreement, by which ADMINISTERING AGENCY was created, if any exists, that would restrict or otherwise limit STATE's ability to recover STATE FUNDS improperly spent by ADMINISTERING AGENCY in contravention of the terms of this AGREEMENT.**

ARTICLE V
AUDITS, THIRD PARTY CONTRACTING, RECORDS RETENTION AND REPORTS

1. **STATE reserves the right to conduct technical and financial audits of PROJECT work and records and ADMINISTERING AGENCY agrees, and shall require its contractors and subcontractors to agree, to cooperate with STATE by making all appropriate and relevant PROJECT records available for audit and copying as required by paragraph three (3) of Article V.**
2. **ADMINISTERING AGENCY, its contractors and subcontractors shall establish and maintain a financial management system and records that properly accumulate and segregate reasonable, allowable, and allocable incurred PROJECT costs and matching funds by line item for the PROJECT. The financial management system of ADMINISTERING AGENCY, its contractors and all subcontractors shall conform to Generally Accepted Accounting Principles, enable the determination of incurred costs at interim points of completion, and provide support for reimbursement payment vouchers or invoices sent to or paid by STATE.**
3. **ADMINISTERING AGENCY, ADMINISTERING AGENCY'S contractors and subcontractors, and STATE shall each maintain and make available for inspection and audit by STATE, the California State Auditor, or any duly authorized representative of STATE or the United States, all books, documents, papers, accounting records, and other evidence pertaining to the performance of such contracts, including, but not limited to, the costs of administering those various contracts, and ADMINISTERING AGENCY shall furnish copies thereof if requested. All of the above-referenced parties shall make such AGREEMENT and PROGRAM SUPPLEMENT materials available at their respective offices at all reasonable times during the entire PROJECT period and for three (3) years, or 35 years for Prop 1B funds, from the date of final payment to ADMINISTERING AGENCY.**
4. **ADMINISTERING AGENCY shall not award a construction contract over $25,000 on the basis of a noncompetitive negotiation for work to be performed under this AGREEMENT without the prior written approval of STATE. All contracts awarded by ADMINISTERING AGENCY intended or used as local match credit must meet the requirements set forth in this AGREEMENT regarding local match funds.**
5. **ADMINISTERING AGENCY shall comply with Chapter 10 (commencing with Section 4525) Division 5 of Title 1 of the Government Code and shall undertake the procedures described in California Government Code 4527(a) and 4528(a). Administering Agency shall comply with Chapter 10 of the LAPM for AE Consultant Contracts.**
6. **ADMINISTERING AGENCY shall comply with Government Code Division 5 Title 1 sections 4525-4529.5 and shall undertake the procedures described in California Government Code 4527(a) and 4528(a) for procurement of professional service contracts. Administering Agency shall follow Public Contract Code Section 10335- 10381 for other professional service contracts.**

7. **Any subcontract entered into by ADMINISTERING AGENCY as a result of this AGREEMENT shall contain all of the provisions of Article IV, FISCAL PROVISIONS, and this ARTICLE V, AUDITS, THIRD-PARTY CONTRACTING, RECORDS RETENTION AND**

REPORTS and shall mandate that travel and per diem reimbursements and third- party contract reimbursements to subcontractors will be allowable as PROJECT costs only after those costs are incurred and paid for by the subcontractors.

8. **To be eligible for local match credit, ADMINISTERING AGENCY must ensure that local match funds used for a PROJECT meet the fiscal provisions requirements outlined in ARTICLE IV in the same manner that is required of all other PROJECT expenditures.**
9. **Except as provided in this Article, this AGREEMENT is solely between and for the benefit of the PARTIES and there are no third-party beneficiaries.**

ARTICLE VI - MISCELLANEOUS PROVISIONS

1. **ADMINISTERING AGENCY agrees to use all PROJECT funds reimbursed hereunder only for transportation purposes that are in conformance with Article XIX of the California State Constitution and other California laws.**
2. **ADMINISTERING AGENCY shall conform to all applicable State and Federal statutes and regulations, and the Local Assistance Program Guidelines and Local Assistance Procedures Manual as published by STATE and incorporated herein, including all subsequent approved revisions thereto applicable to PROJECT unless otherwise designated in the project-specific executed PROJECT SUPPLEMENT.**
3. **This AGREEMENT is subject to any additional restrictions, limitations, conditions, or any statute enacted by the State Legislature or adopted by the CTC that may affect the provisions, terms, or funding of this AGREEMENT in any manner.**
4. **ADMINISTERING AGENCY and the officers and employees of ADMINISTERING AGENCY, when engaged in the performance of this AGREEMENT, shall act in an independent capacity and not as officers, employees or agents of STATE.**
5. **Each project-specific PROGRAM SUPPLEMENT shall separately establish the terms and funding limits for each described PROJECT funded under this AGREEMENT and that PROGRAM SUPPLEMENT. No STATE FUNDS are obligated against this AGREEMENT.**
6. **ADMINISTERING AGENCY certifies that neither ADMINISTERING AGENCY nor its principals are suspended or debarred at the time of the execution of this AGREEMENT, and ADMINISTERING AGENCY agrees that it will notify STATE immediately in the event a suspension or a debarment occurs after the execution of this AGREEMENT.**
7. **ADMINISTERING AGENCY certifies, by execution of this AGREEMENT, that no person or selling agency has been employed or retained to solicit or secure this AGREEMENT upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by ADMINISTERING AGENCY for the purpose of securing business. For breach or violation of this warranty, STATE has the right to annul this AGREEMENT without liability, pay only for the value of the PROJECT work actually performed, or in STATE'S discretion, to deduct from the price of PROGRAM SUPPLEMENT consideration, or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fee.**

8. **In accordance with Public Contract Code section 10296, ADMINISTERING AGENCY hereby certifies under penalty of perjury that no more than one final unappealable finding of contempt of court by a federal court has been issued against ADMINISTERING AGENCY within the immediate preceding two (2) year period because of ADMINISTERING AGENCY'S failure to comply with an order of a federal court that orders ADMINISTERING AGENCY to comply with an order of the National Labor Relations Board.**
9. **ADMINISTERING AGENCY shall disclose any financial, business, or other relationship with STATE that may have an impact upon the outcome of this AGREEMENT or any individual PROJECT encompassed within a PROGRAM SUPPLEMENT. ADMINISTERING AGENCY shall also list current contractors who may have a financial interest in the outcome of a PROJECT undertaken pursuant to this AGREEMENT. These disclosures shall be delivered to STATE in a form deemed acceptable by the STATE prior to execution of this AGREEMENT.**

10. **ADMINISTERING AGENCY hereby certifies that it does not have, nor shall it acquire, any financial or business interest that would conflict with the performance of any PROJECT initiated under this AGREEMENT.**

11. **ADMINISTERING AGENCY certifies that this AGREEMENT was not obtained or secured through rebates, kickbacks or other unlawful consideration either promised or paid to any STATE employee. For breach or violation of this warranty, STATE shall have the right, in its sole discretion, to terminate this AGREEMENT without liability, to pay only for PROJECT work actually performed, or to deduct from a PROGRAM SUPPLEMENT price or otherwise recover the full amount of such rebate, kickback, or other unlawful consideration.**
12. **Any dispute concerning a question of fact arising under this AGREEMENT that is not disposed of by agreement shall be decided by the STATE's Contract Manager, who shall be identified to ADMINISTERING AGENCY at the time of execution of this AGREEMENT and, as applicable , any time that Contract Manager changes during the duration of this AGREEMENT who may consider any written or verbal evidence submitted by ADMINISTERING AGENCY. The decision of the Contract Manager, issued in writing, shall be conclusive and binding on the PARTIES on all questions of fact considered and determined by the Contract Manager.**
13. **Neither the pendency of a dispute nor its consideration by the Contract Manager will excuse the ADMINISTERING AGENCY from full and timely performance in accordance with the terms of this AGREEMENT and each PROGRAM SUPPLEMENT.**
14. **Neither STATE nor any officer or employee thereof is responsible for any injury, damage or liability occurring by reason of anything done or omitted to be done by ADMINISTERING AGENCY under or in connection with any work, authority or jurisdiction of ADMINISTERING AGENCY arising under this AGREEMENT. It is understood and agreed that ADMINISTERING AGENCY shall fully defend, indemnify and save harmless STATE and all of its officers and employees from all claims and suits or actions of every name, kind and description brought forth under, including but not limited to, tortious, contractual, inverse condemnation or other theories or assertions of liability occurring by reason of anything done or omitted to be done by ADMINISTERING AGENCY under this AGREEMENT.**
15. **Neither ADMINISTERING AGENCY nor any officer or employee thereof is responsible for any injury, damage or liability occurring by reason of anything done or omitted to be done by STATE, under or in connection with any work, authority or**

jurisdiction arising under this AGREEMENT. It is understood and agreed that STATE shall fully defend, indemnify and save harmless the ADMINISTERING AGENCY and all of its officers and employees from all claims, suits or actions of every name, kind and description brought forth under, including but not limited to, tortious, contractual, inverse condemnation and other theories or assertions of liability occurring by reason of anything done or omitted to be done by STATE under this AGREEMENT.

16. **In the event of (a} ADMINISTERING AGENCY failing to timely proceed with effective PROJECT work in accordance with the project-specific PROGRAM SUPPLEMENT; (b} failing to maintain any applicable bonding requirements; and (c} otherwise materially violating the terms and conditions of this AGREEMENT and/or any PROGRAM SUPPLEMENT, STATE reserves the right to terminate funding for that PROJECT upon thirty (30) days' written notice to ADMINISTERING AGENCY.**
17. **No termination notice shall become effective if, within thirty (30) days after receipt of a Notice of Termination, ADMINISTERING AGENCY either cures the default involved or, if the default is not reasonably susceptible of cure within said thirty (30) day period the ADMINISTERING AGENCY proceeds thereafter to complete that cure in a manner and time line acceptable to STATE.**
18. **Any such termination shall be accomplished by delivery to ADMINISTERING AGENCY of a Notice of Termination, which notice shall become effective not less than thirty (30) days after receipt, specifying the reason for the termination, the extent to which funding of work under this AGREEMENT and the applicable PROGRAM SUPPLEMENT is terminated and the date upon which such termination becomes effective, if beyond thirty (30) days after receipt. During the period before the effective termination date, ADMINISTERING AGENCY and STATE shall meet to attempt to resolve any dispute. In the event of such termination, STATE may proceed with the PROJECT work in a manner deemed proper by STATE. If STATE terminates funding for PROJECT with ADMINISTERING AGENCY for the reasons stated in paragraph sixteen**

(16) of ARTICLE VI, STATE shall pay ADMINISTERING AGENCY the sum due ADMINISTERING AGENCY under the PROGRAM SUPPLEMENT and/or STATE-approved finance letter prior to termination, provided, however, ADMINISTERING AGENCY is not in default of the terms and conditions of this AGREEMENT or the project-specific PROGRAM SUPPLEMENT and that the cost of any PROJECT completion to STATE shall first be deducted from any sum due ADMINISTERING AGENCY.

19. **In the case of inconsistency or conflicts with the terms of this AGREEMENT and that of a project-specific PROGRAM SUPPLEMENT and/or Cooperative Agreement, the terms stated in that PROGRAM SUPPLEMENT and/or Cooperative Agreement shall prevail over those in this AGREEMENT.**
20. **Without the written consent of STATE, this AGREEMENT is not assignable by ADMINISTERING AGENCY either in whole or in part.**
21. **No alteration or variation of the terms of this AGREEMENT shall be valid unless made in writing and signed by the PARTIES, and no oral understanding or agreement not incorporated herein shall be binding on any of the PARTIES.**

IN WITNESS WHEREOF, the parties have executed this AGREEMENT by their duly authorized officer.

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

By Ferdinand Batatan

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Ferdinand Batatan (Jun 18, 202414:59 PDT)

For: Chief, Office of Project Management Oversight
Division of Local Assistance

Date 06/18/2024

City of Laguna Hills

By

City of Laguna Hills
Representative Name & Title (Authorized Governing Body Representative)
Date to{l◆ZLf

EXHIBIT A - FAIR EMPLOYMENT PRACTICES ADDENDUM

1. **In the performance of this Agreement, ADMINISTERING AGENCY will not discriminate against any employee for employment on account of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, or military and veteran status. ADMINISTERING AGENCY will take affirmative action to ensure that employees are treated during employment without regard to their race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, or military and veteran status. Such action shall include, but not be limited to, the following: employment; upgrading; demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. ADMINISTERING AGENCY shall post in conspicuous places, available to employees for employment, notices to be provided by STATE setting forth the provisions of this Fair Employment section.**
2. **ADMINISTERING AGENCY, its contractor(s) and all subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Gov. Code, 12900 et seq.), and the applicable regulations promulgated thereunder (Cal. Code Regs., Title 2, 11000, et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code section 12900(a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations are incorporated into this AGREEMENT by reference and made a part hereof as if set forth in full. Each of the ADMINISTERING AGENCY'S contractors and all subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreements, as appropriate.**
3. **ADMINISTERING AGENCY shall include the nondiscrimination and compliance provisions of this clause in all contracts and subcontracts to perform work under this AGREEMENT.**
4. **ADMINISTERING AGENCY will permit access to the records of employment, employment advertisements, application forms, and other pertinent data and records by STATE, the State Fair Employment and Housing Commission, or any other agency of the State of California designated by STATE, for the purposes of investigation to ascertain compliance with the Fair Employment section of this Agreement.**
5. **Remedies for Willful Violation:**

(a) **STATE may determine a willful violation of the Fair Employment provision to have occurred upon receipt of a final judgment to that effect from a court in an action to which ADMINISTERING AGENCY was a party, or upon receipt of a written notice from the Fair Employment and Housing Commission that it has investigated and determined that ADMINISTERING AGENCY has violated the Fair Employment Practices Act.**

(b) **For willful violation of this Fair Employment Provision, STATE shall have the right to terminate this Agreement either in whole or in part, and any loss or damage sustained by STATE in securing the goods or services thereunder shall be borne and paid for by ADMINISTERING AGENCY and by the surety under the performance bond, if any, and STATE may deduct from any moneys due or thereafter may become due to ADMINISTERING AGENCY, the difference between the price named in the Agreement**

and the actual cost thereof to STATE to cure ADMINISTERING AGENCY'S breach of this Agreement.

RESOLUTION NO. 2024-05-28-7
A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, AUTHORIZING THE CITY MANAGER TO EXECUTE ALL CALIFORNIA DEPARTMENT OF TRANSPORTATION AGREEMENTS AND AMENDMENTS

The City Council of the City of Laguna Hills, California, ("City") hereby finds, determines, declares, and resolves as follows:
WHEREAS, the City is eligible to receive Federal and/or State funding for certain Transportation Projects through the California Department of Transportation; and
WHEREAS, Master Agreements, Program Supplemental Agreements, Fund Exchange Agreements and/or Fund Transfer Agreements need to be executed with the California Department of Transportation before such funds can be claimed; and
WHEREAS, the City desires to delegate authorization to execute these Agreements, and any amendments thereto, to the City Manager and he is to be authorized to execute Master Agreements, Program Supplemental Agreements, Fund Exchange Agreements, Fund Transfer Agreements and/or any amendments thereto with the California Department of Transportation.
NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, DOES RESOLVE, DECLARE, DETERMINE, AND ORDER AS FOLLOWS:
SECTION 1. The above recitals are true and correct and are incorporated herein by reference herein.
SECTION 2. The City Manager is authorized to approve and execute Master Agreement No. 12-5468S21 and Program Supplement Agreement No. 00000A549.
SECTION 3. The City Manager is authorized to approve and execute all Master Agreements, Program Supplemental Agreements, Fund Exchange Agreements, Fund Transfer Agreements and/or any amendments thereto with the California Department of Transportation until such time this authorization is rescinded by adoption of a superseding Resolution.

j

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PASSED, APPROVED, AND ADOPTED this 28th day of May 2024.

DAVE WHEELER, MAYOR _____

ATTEST:

_____
JENNIFER LEE, CITY CLERK

STATE OF CALIFORNIA) COUNTY OF ORANGE) ss CITY OF LAGUNA HILLS)

I, JENNIFER LEE, City Clerk of the City of Laguna Hills, California, DO HEREBY CERTIFY that the foregoing is a true and correct copy of Resolution No. 2024-05-28-7 adopted by the City Council of the City of Laguna Hills, California, at a Regular Meeting thereof held on the 28th day of May 2024 by the following vote:

AYES: Council Members Caskey, Heft, Pezold, Mayor Pro Tempore Sweeney, and Mayor Wheeler

NOES: None

ABSENT: None ABSTAIN: None

(SEAL)

_____
JENNIFER LEE, CITY CLERK

1837276.1

City of Laguna Hills
PASEO DE VALENCIA AND CABOT ROAD – ACTIVE TRANSPORTATION ENHANCEMENTS PROJECT

Created:	2024-06-18
By:	Gerald Mcdaniel (s145783@dot.ca.gov) Signed
Status:	CBJCHBCAABAAnSRfwVmccqP637UORJW0IA9qL5Gus80d
Transaction ID:	

"12-5468S21_City of Laguna Hills" History

Document created by Gerald Mcdaniel (s145783@dot.ca.gov)
2024-06-18 - 9:53:36 PM GMT- IP address: 149.136.17.251

Document emailed to Ferdinand Batatan (ferdinand.batatan@dot.ca.gov) for signature
2024-06-18 - 9:55:24 PM GMT

Email viewed by Ferdinand Batatan (ferdinand.batatan@dot.ca.gov)
2024-06-18 - 9:59:06 PM GMT- IP address: 149.136.17.250

Document e-signed by Ferdinand Batatan (ferdinand.batatan@dot.ca.gov)
Signature Date: 2024-06-18 - 9:59:50 PM GMT - Time Source: server- IP address: 149.136.17.250

Agreement completed.
2024-06-18 - 9:59:50 PM GMT


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City of Laguna Hills
PASEO DE VALENCIA AND CABOT ROAD – ACTIVE TRANSPORTATION ENHANCEMENTS PROJECT

PROGRAM SUPPLEMENT NO. F011
to
ADMINISTERING AGENCY-STATE AGREEMENT FOR
FEDERAL-AID PROJECTS NO 12-5468F15

Adv. Project ID
1225000079

Date: August 18, 2025
Location: 12-ORA-0-LGNH
Project Number: STPCML-5468(017)
E.A. Number:
Locode: 5468

This Program Supplement hereby adopts and incorporates the Administering Agency-State Agreement for Federal Aid which was entered into between the Administering Agency and the State on 09/23/2016 and is subject to all the terms and conditions thereof. This Program Supplement is executed in accordance with Article I of the aforementioned Master Agreement under authority of Resolution No. 2024-05-28-7 approved by the Administering Agency on 05/28/2024 (See copy attached).

The Administering Agency further stipulates that as a condition to the payment by the State of any funds derived from sources noted below obligated to this PROJECT, the Administering Agency accepts and will comply with the special covenants or remarks set forth on the following pages.

PROJECT LOCATION: At Paseo de Valencia Laguna Hills Drive to Cabot Road (Approximately 2.2 miles)

TYPE OF WORK: Bike Lane **LENGTH:** 0.0(MILES)

Estimated Cost	Federal Funds		**Matching Funds**		
	M400	$140,000.00	LOCAL		OTHER
	Y230	$580,000.00			
$820,000.00			$100,000.00		$0.00

CITY OF LAGUNA HILLS
Department of Transportation

By Joseph Ames, P.E., T.E.
Title Interim City Manager

Date August 26, 2025

Attest Jennifer Lea, CMC

STATE OF CALIFORNIA

Ferdinand A. Batatan (Aug 27, 2025 13:40:33 PDT)

For: **Chief, Office of Project Management Oversight**
Division of Local Assistance

Date 08/27/

I hereby certify upon my personal knowledge that budgeted funds are available for this encumbrance:

City of Laguna Hills
PASEO DE VALENCIA AND CABOT ROAD – ACTIVE TRANSPORTATION ENHANCEMENTS PROJECT

Accounting Officer Kam Wong **Date** **8/18/2025** $720,000.00

SPECIAL COVENANTS OR REMARKS

1. A. The ADMINISTERING AGENCY will advertise, award and administer this project in accordance with the current published Local Assistance Procedures Manual.

B. ADMINISTERING AGENCY agrees that it will only proceed with work authorized for specific phase(s) with an "Authorization to Proceed" and will not proceed with future phase(s) of this project prior to receiving an "Authorization to Proceed" from the STATE for that phase(s) unless no further State or Federal funds are needed for those future phase(s).

C. STATE and ADMINISTERING AGENCY agree that any additional funds which might be made available by future Federal obligations will be encumbered on this PROJECT by use of a STATE-approved "Authorization to Proceed" and Finance Letter. ADMINISTERING AGENCY agrees that Federal funds available for reimbursement will be limited to the amounts obligated by the Federal Highway Administration.

D. Award information shall be submitted by the ADMINISTERING AGENCY to the District Local Assistance Engineer within 60 days of project contract award and prior to the submittal of the ADMINISTERING AGENCY'S first invoice for the construction contract.

Failure to do so will cause a delay in the State processing invoices for the construction phase. Attention is directed to Section 15.6 "Award Package" of the Local Assistance Procedures Manual.

E. ADMINISTERING AGENCY agrees, as a minimum, to submit invoices at least once every six months commencing after the funds are encumbered for each phase by the execution of this Project Program Supplement Agreement, or by STATE's approval of an applicable Finance Letter. STATE reserves the right to suspend future authorizations/obligations for Federal aid projects, or encumbrances for State funded projects, as well as to suspend invoice payments for any on-going or future project by ADMINISTERING AGENCY if PROJECT costs have not been invoiced by ADMINISTERING AGENCY for a six-month period.

If no costs have been invoiced for a six-month period, ADMINISTERING AGENCY agrees to submit for each phase a written explanation of the absence of PROJECT activity along with target billing date and target billing amount.

ADMINISTERING AGENCY agrees to submit the final report documents that collectively constitute a "Report of Expenditures" within one hundred eighty (180) days of PROJECT completion. Failure of ADMINISTERING AGENCY to submit a "Final Report of Expenditures" within 180 days of PROJECT completion will result in STATE imposing sanctions upon ADMINISTERING AGENCY in accordance with the current Local Assistance Procedures Manual.

SPECIAL COVENANTS OR REMARKS

F. Administering Agency shall not discriminate on the basis of race, religion, age, disability, color, national origin, or sex in the award and performance of any Federal-assisted contract or in the administration of its DBE Program Implementation Agreement. The Administering Agency shall take all necessary and reasonable steps under 49 CFR Part 26 to ensure nondiscrimination in the award and administration of Federal-assisted contracts. The Administering Agency's DBE Implementation Agreement is incorporated by reference in this Agreement. Implementation of the DBE Implementation Agreement, including but not limited to timely reporting of DBE commitments and utilization, is a legal obligation and failure to carry out its terms shall be treated as a violation of this Agreement. Upon notification to the Administering Agency of its failure to carry out its DBE Implementation Agreement, the State may impose sanctions as provided for under 49 CFR Part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31 U.S.C. 3801 et seq.).

G. Any State and Federal funds that may have been encumbered for this project are available for disbursement for limited periods of time. For each fund encumbrance the limited period is from the start of the fiscal year that the specific fund was appropriated within the State Budget Act to the applicable fund Reversion Date shown on the State approved project finance letter. Per Government Code Section 16304, all project funds not liquidated within these periods will revert unless an executed Cooperative Work Agreement extending these dates is requested by the ADMINISTERING AGENCY and approved by the California Department of Finance.

ADMINISTERING AGENCY should ensure that invoices are submitted to the District Local Assistance Engineer at least 75 days prior to the applicable fund Reversion Date to avoid the lapse of applicable funds. Pursuant to a directive from the State Controller's Office and the Department of Finance; in order for payment to be made, the last date the District Local Assistance Engineer can forward an invoice for payment to the Department's Local Programs Accounting Office for reimbursable work for funds that are going to revert at the end of a particular fiscal year is May 15th of the particular fiscal year. Notwithstanding the unliquidated sums of project specific State and Federal funding remaining and available to fund project work, any invoice for reimbursement involving applicable funds that is not received by the Department's Local Programs Accounting Office at least 45 days prior to the applicable fixed fund Reversion Date will not be paid. These unexpended funds will be irrevocably reverted by the Department's Division of Accounting on the applicable fund Reversion Date.

H. As a condition for receiving federal-aid highway funds for the PROJECT, the Administering Agency certifies that NO members of the elected board, council, or other key decision makers are on the Federal Government Exclusion List. Exclusions can be found at www.sam.gov.

SPECIAL COVENANTS OR REMARKS

2. A. ADMINISTERING AGENCY shall conform to all State statutes, regulations and procedures (including those set forth in the Local Assistance Procedures Manual and the Local Assistance Program Guidelines, hereafter collectively referred to as "LOCAL ASSISTANCE PROCEDURES") relating to the federal-aid program, all Title 23 Code of Federal Regulation (CFR) and 2 CFR Part 200 federal requirements, and all applicable federal laws, regulations, and policy and procedural or instructional memoranda, unless otherwise specifically waived as designated in the executed project-specific PROGRAM SUPPLEMENT.

B. Invoices shall be formatted in accordance with LOCAL ASSISTANCE PROCEDURES.

C. ADMINISTERING AGENCY must have at least one copy of supporting backup documentation for costs incurred and claimed for reimbursement by ADMINISTERING AGENCY. ADMINISTERING AGENCY agrees to submit supporting backup documentation with invoices if requested by State. Acceptable backup documentation includes, but is not limited to, agency's progress payment to the contractors, copies of cancelled checks showing amounts made payable to vendors and contractors, and/or a computerized summary of PROJECT costs.

D. Indirect Cost Allocation Plan/Indirect Cost Rate Proposals (ICAP/ICRP), Central Service Cost Allocation Plans and related documentation are to be prepared and provided to STATE (Caltrans Audits & Investigations) for review and approval prior to ADMINISTERING AGENCY seeking reimbursement of indirect costs incurred within each fiscal year being claimed for State and federal reimbursement. ICAPs/ICRPs must be prepared in accordance with the requirements set forth in 2 CFR, Part 200, Chapter 5 of the Local Assistance Procedural Manual, and the ICAP/ICRP approval procedures established by STATE.

E. STATE will withhold the greater of either two (2) percent of the total of all federal funds encumbered for each PROGRAM SUPPLEMENT or $40,000 until ADMINISTERING AGENCY submits the Final Report of Expenditures for each completed PROGRAM SUPPLEMENT PROJECT.

F. Payments to ADMINISTERING AGENCY for PROJECT-related travel and subsistence (per diem) expenses of ADMINISTERING AGENCY forces and its contractors and subcontractors claimed for reimbursement or as local match credit shall not exceed rates authorized to be paid rank and file STATE employees under current State Department of Personnel Administration (DPA) rules. If the rates invoiced by ADMINISTERING AGENCY are in excess of DPA rates, ADMINISTERING AGENCY is responsible for the cost difference, and any overpayments inadvertently paid by STATE shall be reimbursed to STATE by ADMINISTERING AGENCY on demand within thirty (30) days of such invoice.

SPECIAL COVENANTS OR REMARKS

G. ADMINISTERING AGENCY agrees to comply with 2 CFR, Part 200, Uniform Administrative Requirements, Cost Principles and Audit Requirement for Federal Awards.

H. ADMINISTERING AGENCY agrees, and will assure that its contractors and subcontractors will be obligated to agree, that Contract Cost Principles and Procedures, 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31, et seq., shall be used to determine the allowability of individual PROJECT cost items.

I. Every sub-recipient receiving PROJECT funds under this AGREEMENT shall comply with 2 CFR, Part 200, 23 CFR, 48 CFR Chapter 1, Part 31, Local Assistance Procedures, Public Contract Code (PCC) 10300-10334 (procurement of goods), PCC 10335-10381 (non-A&E services), and other applicable STATE and FEDERAL regulations.

J. Any PROJECT costs for which ADMINISTERING AGENCY has received payment or credit that are determined by subsequent audit to be unallowable under 2 CFR, Part 200, 23 CFR, 48 CFR, Chapter 1, Part 31, and other applicable STATE and FEDERAL regulations, are subject to repayment by ADMINISTERING AGENCY to STATE.

K. STATE reserves the right to conduct technical and financial audits of PROJECT WORK and records and ADMINISTERING AGENCY agrees, and shall require its contractors and subcontractors to agree, to cooperate with STATE by making all appropriate and relevant PROJECT records available for audit and copying as required by the following paragraph:

ADMINISTERING AGENCY, ADMINISTERING AGENCY'S contractors and subcontractors, and STATE shall each maintain and make available for inspection and audit by STATE, the California State Auditor, or any duly authorized representative of STATE or the United States all books, documents, papers, accounting records, and other evidence pertaining to the performance of such contracts, including, but not limited to, the costs of administering those various contracts and ADMINISTERING AGENCY shall furnish copies thereof if requested. All of the above referenced parties shall make such AGREEMENT, PROGRAM SUPPLEMENT, and contract materials available at their respective offices at all reasonable times during the entire PROJECT period and for three (3) years from the date of submission of the final expenditure report by the STATE to the FHWA.

L. ADMINISTERING AGENCY, its contractors and subcontractors shall establish and maintain a financial management system and records that properly accumulate and segregate reasonable, allowable, and allocable incurred PROJECT costs and matching funds by line item for the PROJECT. The financial management system

SPECIAL COVENANTS OR REMARKS

of ADMINISTERING AGENCY, its contractors and all subcontractors shall conform to Generally Accepted Accounting Principles, enable the determination of incurred costs at interim points of completion, and provide support for reimbursement payment vouchers or invoices set to or paid by STATE.

M. ADMINISTERING AGENCY is required to have an audit in accordance with the Single Audit Act of 2 CFR 200 if it expends $750,000 or more in Federal Funds in a single fiscal year of the Catalogue of Federal Domestic Assistance.

N. ADMINISTERING AGENCY agrees to include all PROGRAM SUPPLEMENTS adopting the terms of this AGREEMENT in the schedule of projects to be examined in ADMINISTERING AGENCY's annual audit and in the schedule of projects to be examined under its single audit prepared in accordance with 2 CFR, Part 200.

O. ADMINISTERING AGENCY shall not award a non-A&E contract over $5,000, construction contracts over $10,000, or other contracts over $25,000 [excluding professional service contracts of the type which are required to be procured in accordance with Government Code sections 4525 (d), (e) and (f)] on the basis of a noncompetitive negotiation for work to be performed under this AGREEMENT without the prior written approval of STATE. Contracts awarded by ADMINISTERING AGENCY, if intended as local match credit, must meet the requirements set forth in this AGREEMENT regarding local match funds.

P. Any subcontract entered into by ADMINISTERING AGENCY as a result of this AGREEMENT shall contain provisions B, C, F, H, I, K, and L under Section 2 of this agreement.

3. In the event that construction of this project of the initial federal authorization for right of way is not started by the close of the twentieth fiscal year following the fiscal year in which the right of way is authorized, the ADMINISTERING AGENCY shall repay the Federal Highway Administration through Caltrans the sum of Federal funds paid under the terms of this agreement.

Authorizing the ROW phase of a project as Advance Construction does not exempt the project from the provisions of 23 U.S.C. 108(a)(2), and 23 CFR 630.112(c)(1).

4. Appendix E of the Title VI Assurances (US DOT Order 1050.2A)

During the performance of this agreement, the ADMINISTERING AGENCY, ADMINISTERING AGENCY'S contractors and subcontractor, (hereinafter referred to as the "contractor") agrees to comply with the following nondiscrimination statutes and authorities; including but not limited to:

Pertinent Nondiscrimination Authorities:

A. Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR

SPECIAL COVENANTS OR REMARKS

Part 21.

B. The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);

C. Federal-Aid Highway Act of 1973, (23 U.S.C. 324 et seq.), (prohibits discrimination on the basis of sex);

D. Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;

E. The Age Discrimination Act of 1975, as amended, (42 U.S.C. 6101 et seq.), (prohibits discrimination on the basis of age);

F. Airport and Airway Improvement Act of 1982, (49 U.S.C. 4 71, Section 4 7123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);

G. The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, subrecipients and contractors, whether such programs or activities are Federally funded or not);

H. Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;

I. The Federal Aviation Administration's Nondiscrimination statute (49 U.S.C. 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);

J. Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);

K. Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

CITY OF LAGUNA HILLS

CERTIFICATION

STATE OF CALIFORNIA)
COUNTY OF ORANGE) ss.
CITY OF LAGUNA HILLS)

I, JENNIFER LEE, City Clerk of the City of Laguna Hills, California, DO HEREBY CERTIFY that the attached is a true and correct copy of Resolution No. 2024-05-28-7, adopted by the City Council of the City of Laguna Hills, California, at a regular meeting thereof held on the 28th day of May 2024.

(SEAL)

JEN I ER LEE, City Clerk
Laguna Hills, California

DATED: This 29th day of May 2024.

RESOLUTION NO. 2024-05-28-7

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, AUTHORIZING THE CITY MANAGER TO EXECUTE ALL CALIFORNIA DEPARTMENT OF TRANSPORTATION AGREEMENTS AND AMENDMENTS

The City Council of the City of Laguna Hills, California, ("City") hereby finds, determines, declares, and resolves as follows:

WHEREAS, the City is eligible to receive Federal and/or State funding for certain Transportation Projects through the California Department of Transportation; and

WHEREAS, Master Agreements, Program Supplemental Agreements, Fund Exchange Agreements and/or Fund Transfer Agreements need to be executed with the California Department of Transportation before such funds can be claimed; and

WHEREAS, the City desires to delegate authorization to execute these Agreements, and any amendments thereto, to the City Manager and he is to be authorized to execute Master Agreements, Program Supplemental Agreements, Fund Exchange Agreements, Fund Transfer Agreements and/or any amendments thereto with the California Department of Transportation.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, DOES RESOLVE, DECLARE, DETERMINE, AND ORDER AS FOLLOWS:

SECTION 1. The above recitals are true and correct and are incorporated herein by reference herein.

SECTION 2. The City Manager is authorized to approve and execute Master Agreement No. 12-5468S21 and Program Supplement Agreement No. 00000A549.

SECTION 3. The City Manager is authorized to approve and execute all Master Agreements, Program Supplemental Agreements, Fund Exchange Agreements, Fund Transfer Agreements and/or any amendments thereto with the California Department of Transportation until such time this authorization is rescinded by adoption of a superseding Resolution.

PASSED, APPROVED, AND ADOPTED this 28th day of May 2024.

DAVE WHEELER, MAYOR

ATTEST:

JENNIFER LEE, CITY CLERK

STATE OF CALIFORNIA)
COUNTY OF ORANGE) ss
CITY OF LAGUNA HILLS)

I, JENNIFER LEE, City Clerk of the City of Laguna Hills, California, DO HEREBY CERTIFY that the foregoing is a true and correct copy of Resolution No. 2024-05-28-7 adopted by the City Council of the City of Laguna Hills, California, at a Regular Meeting thereof held on the 28th day of May 2024 by the following vote:

AYES: Council Members Caskey, Heft, Pezold, Mayor Pro Tempore Sweeney, and Mayor Wheeler

NOES: None

ABSENT: None

ABSTAIN: None

(SEAL)

JENNIFER LEE, CITY CLERK

5468017 PSA

Created:	2025-08-27
By:	Gregory Nannini (s147991@dot.ca.gov) Signed
Status:	CBJCHBCAABAA-E8fsUfNYzwp9JTzQc8ZdwYWVd0QpeD6
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"5468017 PSA" History

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Signer Ferdinand Batatan (ferdinand.batatan@dot.ca.gov) entered name at signing as Ferdinand A. Batatan

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Document e-signed by Ferdinand A. Batatan (ferdinand.batatan@dot.ca.gov)

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Agreement completed.

2025-08-27 - 8:40:33 PM GMT


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ATTACHMENT 5

CERTIFICATION REGARDING LOBBYING AND DISCLOSURE OF LOBBYING ACTIVITIES

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions, which is attached hereto in this Appendix 9.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000[1] for each such failure.

Executed this _____ day of _____, 2025, at _____, California.

*Name of Proposer:*_____

*By:*_____
(Signature & Title)

*Date:*_____

[1]*The amounts specified in Appendix A to Part 93 are updated annually, as adjusted in accordance with the Federal Civil Monetary Penalty Inflation Adjustment Act of 1990 (Pub. L. 101-140), as amended by the Federal Civil Penalties Inflation Adjustment Act Improvements Act of 2015 (section 701 of Pub. L. 114-74). Annually adjusted amounts are published at 45 CFR part 102.*

DISCLOSURE OF LOBBYING ACTIVITIES

COMPLETE THIS FORM TO DISCLOSE LOBBYING ACTIVITIES PURSUANT TO 31 U.S.C. 1352

1. Type of Federal Action:

☐ a. contract
b. grant
c. cooperative agreement
d. loan
e. loan guarantee
f. loan insurance

2. Status of Federal Action:

☐ a. bid/offer/application
b. initial award
c. post-award

3. Report Type:

☐ a. initial
b. material change

For Material Change Only:
year ____ quarter _____
date of last report_____

4. Name and Address of Reporting Entity

☐ Prime ☐ Subawardee
Tier _____, if known

Congressional District, if known

5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:

Congressional District, if known

6. Federal Department/Agency:

7. Federal Program Name/Description:

CFDA Number, if applicable _____

8. Federal Action Number, if known:

9. Award Amount, if known:

10. Name and Address of Lobby Entity
(If individual, last name, first name, MI)

11. Individuals Performing Services
(including address if different from No. 10)
(last name, first name, MI)

(attach Continuation Sheet(s) if necessary)

12. Amount of Payment (check all that apply)

$ _____ ☐ actual ☐ planned

13. Form of Payment (check all that apply):

☐ a. cash
☐ b. in-kind; specify: nature _____
Value _____

14. Type of Payment (check all that apply)

☐ a. retainer
☐ b. one-time fee
☐ c. commission
☐ d. contingent fee
☐ e deferred
☐ f. other, specify_____

15. Brief Description of Services Performed or to be performed and Date(s) of Service, including officer(s), employee(s), or member(s) contacted, for Payment Indicated in Item 12:

(attach Continuation Sheet(s) if necessary)

16. Continuation Sheet(s) attached: **Yes** ☐ **No** ☐

17. Information requested through this form is authorized by Title 31 U.S.C. Section 1352. This disclosure of lobbying reliance was placed by the tier above when his transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to Congress semiannually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

Signature: _____

Print Name: _____

Title: _____

Telephone No.: _____ Date:_____

Authorized for Local Reproduction

Standard Form - LLL

Federal Use Only:

Standard Form LLL Rev. 04-28-06

INSTRUCTIONS FOR COMPLETING DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime federal recipient at the initiation or receipt of covered federal action or a material change to previous filing pursuant to title 31 U.S.C. Section 1352. The filing of a form is required for such payment or agreement to make payment to lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress an officer or employee of Congress or an employee of a Member of Congress in connection with a covered federal action. Attach a continuation sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. *Identify the type of covered federal action for which lobbying activity is or has been secured to influence, the outcome of a covered federal action.*
2. *Identify the status of the covered federal action.*
3. *Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last, previously submitted report by this reporting entity for this covered federal action.*
4. *Enter the full name, address, city, state, and zip code of the reporting entity. Include Congressional District if known. Check the appropriate classification of the reporting entity that designates if it is or expects to be a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the first tier. Subawards include but are not limited to: subcontracts, subgrants, and contract awards under grants.*
5. *If the organization filing the report in Item 4 checks "Subawardee" then enter the full name, address, city, state, and zip code of the prime federal recipient. Include Congressional District, if known.*
6. *Enter the name of the federal agency making the award or loan commitment. Include at least one organization level below agency name, if known. For example, Department of Transportation, United States Coast Guard.*
7. *Enter the federal program name or description for the covered federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans and loan commitments.*
8. *Enter the most appropriate federal identifying number available for the federal action identification in item 1 (e.g., Request for Proposal (RFP) number, Invitation for Bid (IFB) number, grant announcement number, the contract grant. or loan award number, the application/proposal control number assigned by the federal agency). Include prefixes, e.g., "RFP-DE-90-001."*
9. *For a covered federal action where there has been an award or loan commitment by the Federal agency, enter the federal amount of the award/loan commitments for the prime entity identified in item 4 or 5.*
10. *Enter the full name, address, city, state, and zip code of the lobbying entity engaged by the reporting entity identified in Item 4 to influence the covered federal action.*
11. *Enter the full names of the individual(s) performing services and include full address if different from 10 (a). Enter Last Name, First Name and Middle Initial (Ml).*
12. *Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (Item 4) to the lobbying entity (Item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.*
13. *Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.*
14. *Check all boxes that apply. If other, specify nature.*
15. *Provide a specific and detailed description of the services that the lobbyist has performed or will be expected to perform and the date(s) of any services rendered. Include all preparatory and related activity not just time spent in actual contact with federal officials. Identify the federal officer(s) or employee(s) contacted or the officer(s) employee(s) or Member(s) of Congress that were contacted.*
16. *Check whether or not a continuation sheet(s) is attached.*
17. *The certifying official shall sign and date the form, and print his/her name title and telephone number.*

Public reporting burden for this collection of information is estimated to average 30-minutes per response, including time for reviewing instruction, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503. SF-LLL-Instructions Rev. 06-04

ATTACHMENT 6

1. **City of Laguna Hills Vehicle Miles Traveled Analysis Guidelines under CEQA and General Plan Development Review Traffic Study Guidelines**
2. **Revised Conceptual Project Renderings from August 2025 Workshop**
3. **September 9, 2025 City Council staff report for the Mobility Element Amendment to General Plan**

CITY OF LAGUNA HILLS

Vehicle Miles Traveled Analysis Guidelines under the California Environmental Quality Act and General Plan Development Review Traffic Study Guidelines

August 2021

Updated: August 2025

Executive Summary

The City of Laguna Hills has consolidated the Vehicle Miles Traveled (VMT) Analysis Guidelines under the California Environmental Quality Act (CEQA) and the General Plan Traffic Study Guidelines required for Development Review into this single document. The City of Laguna Hills requires that both VMT and Level of Service (LOS) effects be reviewed for all projects subject to discretionary review. A screening process is utilized to determine the appropriate level of review needed for assessing CEQA and non-CEQA related transportation/traffic impacts.

The Transportation Review Flow Chart, shown in Exhibit A, provides an overview of the typical development review process for assessing transportation and traffic impacts in the City of Laguna Hills.

The City of Laguna Hills Vehicle Miles Traveled Analysis Guidelines under the California Environmental Quality Act (VMT Guidelines) establish the methodology and thresholds of significance for analyzing transportation impacts pursuant to the latest requirements of the California Environmental Quality Act (CEQA) regarding Vehicle Miles Traveled (VMT). The Transportation Review Flow Chart shown in Exhibit A provides an overview of the typical development review process for assessing transportation impacts.

The City of Laguna Hills VMT Screening Form for Land Use Projects (VMT Screening Form) has been developed to provide an easy-to-use tool that can help streamline the VMT evaluation process. Laguna Hills recognizes the Orange County Transportation Analysis Model (OCTAM) as the preferred traffic analysis model for analyzing VMT in the City and has adopted the OCTAM Base Year 2019 citywide average home-based VMT per capita and home-based work VMT per employee efficiency metrics as the thresholds of significance for CEQA. Projects that exceed the citywide average VMT rate would be considered to have a potentially significant impact and require mitigation to reduce VMT to be equal to or below the applicable threshold.

Through the reduction of VMT, the city will reduce greenhouse gas (GHG) emissions, promote development of multi-modal transportation, and encourage a diversity of land uses. The following key strategies will be utilized for reducing VMT in the City:

- Diversifying land use
- Improving pedestrian networks
- Implementing traffic calming infrastructure
- Improving the bicycle network
- Encouraging telecommuting and alternative work schedules
- Providing ride-share programs
- Expanding transit services

The City of Laguna Hills will continue to maintain its LOS standards contained in the General Plan when approving development projects subject to a discretionary review process, and to ensure adequate traffic operations along its roadways, outside of the scope of CEQA. This consolidated Guideline includes the requirements for performing both the VMT analysis for purposes of CEQA and a traffic impact study (TIS) based upon a LOS analysis.

The City of Laguna Hills Planning and Engineering Divisions reserve the right to modify the requirements of these guidelines on a case-by-case basis and will update the guidelines as needed to address new CEQA precedent, future modeling forecasts, and overall refinement of the process moving forward.

Approved:

Kenneth H. Rosenfield, P.E.
Director of Public Services/City Engineer

September 15, 2021
Date

Periodically, these VMT Analysis Guidelines will be updated to incorporate the latest VMT data set values from the latest version of OCTAM, which is OCTAM 5.1. The updates to the VMT Analysis Guidelines are shown in a "Blue Font" and identified by a "track change" blue vertical line in the margin.

Update Approved:

Joe Ames, P.E., T.E.
Director of Public Works/City Engineer

August 26, 2025
Date

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Exhibit A: Laguna Hills Transportation Impact Analysis Flow Chart for Land Use Projects
Exhibit B: OCTAM TAZ Map for City of Laguna Hills

Appendices

Appendix A: City of Laguna Hills VMT Screening Form for Land Use Project
Appendix B: City of Laguna Hills VMT Screening Form for Transportation Projects
Appendix C: Evaluation of Daily Trip Screening Criteria
Appendix D: CAPCOA Fact Sheets for the Quantification of VMT Reduction
Appendix E: OPR Technical Advisory Excerpt for Evaluating Transportation Projects
Appendix F: Traffic Study Scoping Agreement
Appendix G: RK Engineering Group, Inc. Resumes of Key Personnel

PART I - VMT GUIDELINES

1.0 Introduction

On July 14, 2020 the City of Laguna Hills adopted Resolution No. 2020-07-14-4, approving Vehicle Miles Traveled Analysis Guidelines under the California Environmental Quality Act (hereinafter referred to as VMT Guidelines) to help ensure that land use and transportation projects comply with the latest requirements of the California Environmental Quality Act (CEQA) (Pub. Resources Code, § 21000 et seq.) regarding VMT. The VMT Guidelines provide standardized criteria and established thresholds of significance to be used for analyzing transportation impacts within the City of Laguna Hills.

On September 27, 2013, Governor Brown signed Senate Bill (SB) 743 into law. SB 743 seeks to further promote the State's goals of reducing greenhouse gas (GHG) emissions and traffic-related air pollution and increase the development of multimodal transportation systems through the reduction of VMT. While SB 743 primarily focuses on projects in transit priority areas, it also authorized the California Governor's Office of Planning and Research (OPR) to change how transportation impacts are analyzed outside of transit priority areas. The new CEQA Guidelines (§ 15000 et seq.) were certified and adopted by the Natural Resource Agency in December 2018 and VMT is now identified as the most appropriate metric to evaluate a project's transportation impacts. Effective July 1, 2020, the previous CEQA metric of level of service (LOS), typically measured in terms of automobile delay or roadway capacity, generally will no longer constitute a significant environmental impact under CEQA.

The Laguna Hills VMT Guidelines are based on the recommendations provided in the OPR Technical Advisory on Evaluating Transportation Impacts in CEQA, December 2018 and incorporate the VMT modeling estimates from the Orange County Transportation Analysis Model (OCTAM). The VMT Guidelines have been tailored to take into account the local land use conditions, transportation network, and the General Plan goals and polices in the City of Laguna Hills.

The City of Laguna Hills Planning and Engineering Divisions reserve the right to modify the requirements of the VMT Guidelines on a case-by-case basis and will update the guidelines as needed to address new CEQA precedent, future modeling forecasts, and overall refinement of the process moving forward.

The City of Laguna Hills will continue to maintain LOS standards in the General Plan for the discretionary review process and to ensure adequate traffic operations along its roadways, outside of the scope of CEQA. See Exhibit A for the flow chart showing the transportation review process in the City of Laguna Hills and refer to the Traffic Impact Study Guidelines for Level of Service analysis requirements.

2.0 VMT Screening for Land Use Projects

All discretionary land use projects subject to CEQA must evaluate transportation impacts related to VMT as part of the environmental review process. The Transportation Review Flow Chart shown in Exhibit A provides an overview of the typical development review process for assessing transportation impacts in the City of Laguna Hills.

2.1 VMT Screening Form for Land Use Projects

The first step in evaluating a land use project's potential VMT impact is to perform an initial screening assessment utilizing the City of Laguna Hills VMT Screening Form for Land Use Projects (VMT Screening Form). The VMT Screening Form provides an easy-to-use tool for streamlining the VMT analysis process. An automated spreadsheet is available from the Planning Department and a PDF copy is provided in Appendix A.

2.2 VMT Screening Criteria

Screening criteria are a simplified way to determine whether a project would be expected to cause a less than significant impact to VMT without having to conduct a detailed study. The screening criteria adopted by the City of Laguna Hills are based on the recommendations from OPR for setting screening thresholds for land use projects.

1. **Is the project 100% affordable housing?**

   If a project consists of 100% affordable housing, then the presumption can be made that it will have a less than significant impact on VMT. According to sources provided by OPR, affordable housing projects typically generate lower VMT than market-rate housing and a project consisting of a high percentage of affordable housing may be a basis for the lead agency to find a less than significant impact on VMT. Furthermore, a project which includes any affordable residential units may factor in the effect of the affordability on VMT into the assessment of VMT generated by those units.

2. Is the project within one half (½) mile of qualifying transit?

CEQA Guideline Section 15064.3, subdivision (b)(1), states that lead agencies generally should presume that certain projects (including residential, retail, and office projects, as well as projects that are a mix of these uses) proposed within one half (½) mile of an existing major transit stop or an existing stop along a high-quality transit corridor will have a less than significant impact on VMT.

For purposes of the Laguna Hills VMT Guidelines, qualifying transit means a major transit stop or high-quality transit corridor, defined as follows:

- **Major transit stop** means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods. (Pub. Resources Code, § 21064.3)
- **Bus rapid transit** means a public mass transit service provided by a public agency or by a public-private partnership that includes all of the following features: (1) full-time dedicated bus lanes or operation in a separate right-of-way dedicated for public transportation with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods; (2) transit signal priority; (3) all-door boarding; (4) fare collection system that promotes efficiency; and (5) defined stations. (Pub. Resources Code, § 21060.2(a)).
- **Bus rapid transit station** means a clearly defined bus station served by a bus rapid transit. (Pub. Resources Code, § 21060.2(b)).
- **High-quality transit corridor** means a corridor with fixed route bus service with service intervals no longer than 15 minutes during peak commute hours. (Pub. Resources Code, § 21155). At the time of publishing these guidelines, no high-quality transit corridors exist in the City of Laguna Hills.

The Laguna Hills Transportation Center serves as the hub for bus service in the City of Laguna Hills with daily fixed-route bus service provided by the Orange County Transportation Authority (OCTA). OCTA also provides a Dial-A-Taxi transit service for seniors, however, this on-call program does not qualify for VMT screening purposes, as it does not provide fixed-route service with regularly scheduled service times to the general public. The nearest Metrolink stations are the Laguna Niguel/Mission Viejo Station (approx. 0.6 miles from City boundary) and Irvine Station (approx. 1.85 miles from City boundary).

A project shall be considered to be within one-half mile of a major transit stop or high-quality transit corridor if all parcels within the project have no more than 25 percent of their area farther than one-half mile from the stop or corridor and if not more than 10 percent of the residential units or 100 units, whichever is less, in the project are farther than one-half mile from the stop or corridor. The analysis should also consider any substantial physical barriers that may impede pedestrian access.

Not all projects located near qualifying transit are presumed to have a less than significant impact. The presumption of less than significant does not apply if the project:

- Includes more parking for use by residents, customers, or employees of the project than required by the city (if the city requires the project to supply parking);
- Is inconsistent with the applicable Sustainable Communities Strategy (as determined by the city, with input from SCAG); or
- Replaces affordable residential units with a smaller number of moderate or high-income residential units.

The latest bus schedules published by OCTA should be reviewed during the VMT screening process to determine whether a bus stop or corridor meets the criteria for qualifying transit. As of date of these Guidelines (July 9, 2020) the Laguna Hills Transit Center is not served by two or more major bus routes with a frequency of service interval of 15 minutes or less during peak commute periods.

Neither is the Transit Center identified in SCAG's proposed 2020 RTP/ SCS as a major transit stop.

3. Is the project a local serving land use?

Local serving land uses provide goods and services to the local community. Local serving land uses offer more opportunities for residents and employees to shop, dine and obtain services closer to home and work. Local serving uses can also include community resources that may otherwise be located outside of the local area. By improving destination proximity, local serving uses lead to shortened trip lengths and reduced VMT. Therefore, local serving uses may be presumed to have a less than significant impact on VMT. Projects that serve a wider regional area and population, such as regional shopping and entertainment centers would not qualify as a local serving use.

Table 1 contains a list of the eligible local serving uses in the City of Laguna Hills:

Table 1
List of Local Serving Uses[1]

Local Serving Retail (Less Than 50 TSF)	Education/Institutional[2]	Municipal/Public Services[2]
• General retail/commercial less than 50,000 square feet, including: • Supermarket • Restaurant/cafe/bar • Coffee/donut shop • Dry cleaners • Barber shop • Hair/nails salon • Banks • Walk-in medical clinic • Urgent Care • Gas service station • Auto repair/tire shop • Gyms/health club • Dance/yoga/fitness/martial arts studio	• Public elementary school • Public middle school • Public high school • Private school less than 100 students[3] • Community college less than 400 students[3] • Day care/pre-school less than 100 students.[3] • Vocational school less than 100 students.[3] • Assembly uses less than 20 TSF.[3]	• Library • Civic center • Police/Fire station • Community center • Public works support facility • Local Park • Other local serving civic uses

Notes:

[1] The Community Development Director and Director of Public Services reserve the right to require additional VMT analysis of any use listed above if there is indication that it may otherwise increase VMT. Other local serving uses may also be eligible for screening at the discretion of the Community Development Director or Director of Public Services

[2] Educational/institutional and municipal/public service uses qualify as local serving uses provided the use would serve the local community and provide additional services to the area that would otherwise have been located further away. These uses would typically be provided to support the local population of the city.

[3] Use would also typically generate less than 500 ADT.

4. Is the Project in a low VMT area?

Projects located in areas with low VMT, and that incorporate similar features (i.e., density, mix of uses, transit accessibility), will tend to exhibit similarly low VMT. If a project is located in a Traffic Analysis Zone (TAZ) with VMT per capita or VMT per employee that is less than or equal to the citywide average, than the project is considered to be located in a low VMT area and can be presumed to have a less than significant impact on VMT. OCTAM is the preferred traffic model for screening and analyzing VMT in the City of Laguna Hills.

Residential projects shall utilize and compare the TAZ VMT/capita rate to the citywide average VMT/capita rate. Non-residential projects shall utilize and compare the VMT/employee rate to the citywide average VMT/employee rate. For mixed-use projects in which the residential component is considered the primary use, and the non-residential component is less than 50,000 square feet of local serving retail, the analysis shall be run as a residential project and the VMT/capita rate should be used. If a mixed-use project consists of non-local serving uses, a separate screening assessment should be prepared for both the residential and non-residential components of the project.

Exhibit B provides a map of the OCTAM TAZ's in the City of Laguna Hills. Users may also contact the Planning Department to obtain a Google Earth (.kmz) file that shows the OCTAM TAZ boundaries.

5. Are the project's net daily trips less than 500 ADT?

Projects that generate less than 500 net average daily trips (ADT) would not cause a substantial increase in the total citywide or regional VMT and are therefore presumed to have a less than significant impact on VMT. Appendix C provides additional discussion, evidence and analysis regarding the application of the 500 ADT screening criteria and how it has been established within the context of CEQA.

The latest edition of the Institute of Transportation Engineers (ITE) Trip Generation Manual is the preferred source for calculating trip generation in the City of Laguna Hills. The use of other sources of trip generation must be approved by the Community Development or Public Services Department. The screening criteria trip limit is based on net trip generation after considering pass-by, internal capture, affordable housing, and/or existing land use trips.

- Pass-by trips include the portion of the project traffic that is already on the adjacent roadway and passes by the site as an intermediate stop. Typically applied to

retail/commercial uses only. Pass-by calculations should be consistent with ITE or other verified sources.

- Internal capture trips are trips that both begin and end on the project site. Commonly found in mixed-use developments, internal capture trips help can significantly reduce VMT. Internal capture credits should be consistent with the NCHRP Report 684 Enhancing Trip Capture Estimation for Mixed-Use Developments or other verified sources.

- Affordable housing trip credits can be taken for any dwelling unit within a project that is deemed affordable, as defined by the Community Development Director.

- Existing land use trip credits can be taken for land uses on a project site that are currently operational or that have been previously operational, provided such credits are consistent with the baseline principles in CEQA which permit an existing condition baseline based on historical use.

3.0 VMT Impact Analysis

Projects that do not meet at least one (1) of the screening criteria described in Section 2.0, must provide additional analysis and mitigation of potential VMT impacts.

3.1 VMT Thresholds of Significance

Section 21099 of the Public Resources Code states that the criteria for determining the significance of transportation impacts must promote: (1) reduction of greenhouse gas emissions; (2) development of multimodal transportation networks; and (3) a diversity of land uses.

The Laguna Hills VMT Guidelines have relied upon the recommendations provided by OPR and modeling data provided by OCTA to establish the following quantified thresholds of significance for VMT for land development projects:

- Residential Projects: A significant transportation impact occurs if the project's home-based VMT per capita exceeds the base year citywide average VMT per capita.

- Non-residential Projects: A significant transportation impact occurs if the project's employment VMT per employee exceeds the base year citywide average VMT per employee.

The citywide average VMT per capita and VMT per employee values are determined using the base year OCTAM modeling statistics. Ensuring land use development projects reduce VMT rates to be at

or below the current base year citywide average will result in an overall decrease in citywide VMT and GHG emissions.

3.2 Mitigating Impacts Using the VMT Screening Form

To help streamline the VMT evaluation process, the City of Laguna Hills allows certain projects to utilize the OCTAM base year VMT statistics from the TAZ in which the project is located to mitigate potentially significant impacts.

To be eligible for mitigating impacts using the VMT Screening Form, projects should generate less than 2,400 ADT and be located in a TAZ with sufficient base year demographic data to provide a reasonable estimate of VMT patterns for the area. For example, residential projects must be located in a TAZ with existing housing to provide a reasonable sample size of VMT/capita and non-residential projects must be located in a TAZ with existing employment to provide a reasonable sample size of VMT/employee for evaluation and mitigation purposes.

Utilizing the VMT statistics from the OCTAM base model as a means for assessing project-specific VMT is effective because, generally, land uses of a similar type that are in the same geographic area will tend to exhibit similar VMT. Such land uses will have similar access to the same transportation network and produce and attract trips in a similar manner. The presumption that similar land uses located in the same geographic area would exhibit similar transportation patterns is consistent with the OPR Technical Advisory methodology regarding map-based screening.

A project is required to reduce the base year VMT rate for the TAZ in which the project is located to be less than or equal to the citywide VMT average. The percent reduction required to achieve the citywide average VMT is calculated as follows:

$$\textit{Percent Reduction Required} = 1 - (\textit{citywide average rate}/\textit{project TAZ rate})$$

3.3 Project-Specific VMT Modeling

Projects that do not satisfy at least one (1) of the VMT screening criteria and generate 2,400 or more net daily trips, or are not able to effectively mitigate impacts on the VMT Screening Form, shall analyze VMT impacts by using OCTAM to model project-specific VMT.

The Orange County Congestion Management Program uses 2,400 ADT as a screening criterion for assessing whether projects may require a CMP-level Traffic Impact Analysis, and projects that generate over 2,400 ADT have a greater potential to affect travel demand patterns in the OCTAM. Therefore, to help ensure larger projects do not exceed the assumptions of the OCTAM, projects that generate more than 2,400 ADT would require project-specific VMT modeling.

Project-specific VMT modeling shall determine if the project would have a significant impact based on the following scenarios:

- OCTAM base year plus project conditions
- OCTAM future year with project conditions

VMT modeling should include project generated VMT per capita and/or VMT per employee for the project and compare the results to the applicable threshold of significance.

The geography analyzed by the OCTAM VMT tool must nest into zones. To obtain project-specific VMT data, a new OCTAM zone may need to be created and/or adjustments may need to be made to the Orange County Projections (OCP) data and zone boundaries to reflect the project specifics. The latest version of OCTAM shall be used when performing VMT modeling.

Prior to initiating the modeling work, the traffic engineer consultant shall meet with city staff to outline the scope of work of this further analysis. This meet and confer effort is intended to focus the modeling work to meet the intent of these guidelines.

3.4 RTP/SCS Consistency Requirements

Section 15125, subdivision (d), of the CEQA Guidelines provides that lead agencies should analyze impacts resulting from inconsistencies with regional plans, including regional transportation plans. For this reason, OPR recommends that if a project is inconsistent with the Regional Transportation Plan and Sustainable Communities Strategy (RTP/SCS), the lead agency should evaluate whether that inconsistency indicates a significant impact on transportation. For example, a development may be inconsistent with an RTP/SCS if the development is outside the footprint of development or within an area specified as open space, as shown in the SCS. Projects should review the data currently available through SCAG concerning RTP/SCS compatibility.

A project may also be inconsistent with the RTP if it exceeds (either directly or cumulatively) the number of housing units specified in SCAG's Regional Housing Needs Assessment (RHNA) Final Allocation Plan for the City of Laguna Hills (particularly above moderate-income housing). If the addition of the project would cause the citywide housing supply to exceed the RHNA Allocation, then additional modeling may need to be provided to analyze the effect on future year citywide and project TAZ VMT rates.

3.5 Impacts to Transit and Active Transportation

Consistent with the OPR Technical Advisory, the City of Laguna Hills recommends that when determining the effects of a project on transportation, the analysis should consider project impacts

to transit systems and bicycle and pedestrian networks. For example, a project that blocks access to a transit stop or blocks a transit route itself may interfere with transit functions.

The analysis should examine if the project is consistent with adopted policies, plans, or programs regarding active transportation or public transit facilities, or otherwise decreases the performance or safety of such facilities and make a determination as to whether it has the potential to conflict with existing or proposed facilities supporting these travel modes.

4.0 Mitigation Measures

The source document for quantifying VMT mitigation measures shall be the California Air Pollution Control Officers Association (CAPCOA) Quantifying Greenhouse Gas Mitigation Measures, August 2010. Other sources of VMT reduction measures may be approved by the Public Services Director, provided substantial evidence is included to justify the VMT reduction estimates. All VMT reduction measures to be applied to the project shall be clearly listed and quantified with supplemental calculations and attachments.

The location setting of a project matters when it comes to the effectiveness that mitigation measures have on reducing VMT. Projects in suburban settings (such as those commonly found in the City of Laguna Hills) typically have limited access to transit, multimodal infrastructure and diverse land use destinations that support effective transportation demand management (TDM) strategies. Thus, the potential VMT reduction in suburban settings is limited.

Users should identify the appropriate project location setting, as defined by CAPCOA (Page 59-60), when estimating potential VMT reduction and follow the recommendations from CAPCOA when considering the maximum percent reduction achievable.

The California Emissions Estimator Model (CalEEMod) developed by CAPCOA may be used to help quantify VMT reduction measures. It is recommended that any VMT reduction measures used for mitigating VMT be consistent with the requirements for reducing greenhouse gas emissions within the CEQA document.

Appendix D includes the fact sheets from CAPCOA listing the transportation measures for VMT reduction.

After all feasible mitigation measures are applied, the mitigated Project VMT Rate should be compared to the applicable thresholds of significance to determine whether the project has effectively reduced the impact to less than significant levels. The mitigated Project VMT Rate is calculated as follows:

$$\text{Mitigated Project VMT Rate} = \text{Unmitigated Project VMT Rate} * (1 - \text{Total VMT Reduction})$$

If the mitigated Project VMT rate is below the citywide average rate, then the Project is presumed to have a less than significant impact with mitigation. If the mitigated Project VMT rate remains above the citywide average rate after all feasible mitigation has been applied, then a potentially significant and unavoidable impact may occur.

5.0 Transportation Projects

The City of Laguna Hills requires that transportation projects subject to CEQA review should generally follow the OPR Technical Advisory recommendations for considering the effects of transportation projects on VMT, as provided in Appendix E. In general, OPR indicates that if a project would likely lead to a measurable and substantial increase in vehicle travel, the lead agency should conduct an analysis assessing the amount of vehicle travel the project will induce.

The City of Laguna Hills VMT Scoping Form for Transportation Projects is provided in Appendix B.

Projects listed by OPR that would likely lead to a measurable and substantial increase in vehicle travel generally include:

- Addition of through lanes on existing or new highways, including general purpose lanes, HOV lanes, peak period lanes, auxiliary lanes, or lanes through grade-separated interchanges

Projects listed by OPR that would not likely lead to a substantial or measurable increase in vehicle travel, and therefore generally should not require an induced travel analysis, include:

- Rehabilitation, maintenance, replacement, safety, and repair projects designed to improve the condition of existing transportation assets (e.g., highways; roadways; bridges; culverts; Transportation Management System field elements such as cameras, message signs, detection, or signals; tunnels; transit systems; and assets that serve bicycle and pedestrian facilities) and that do not add additional motor vehicle capacity

- Roadside safety devices or hardware installation such as median barriers and guardrails

- Addition of an auxiliary lane of less than one mile in length designed to improve roadway safety

- Installation, removal, or reconfiguration of traffic lanes that are not for through traffic, such as left, right, and U-turn pockets, two-way left turn lanes, or emergency breakdown lanes that are not utilized as through lanes

- Addition of roadway capacity on local or collector streets provided the project also substantially improves conditions for pedestrians, cyclists, and if applicable, transit

- Timing of signals to optimize vehicle, bicycle, or pedestrian flow

- Installation of roundabouts or traffic circles

- Installation or reconfiguration of traffic calming devices

For a complete list of the projects listed by OPR that would not likely lead to a substantial or measurable increase in vehicle travel, please refer to the OPR Technical Advisory excerpt provided in Appendix E.

The City of Laguna Hills also recognizes that the build-out of the City's planned circulation network is integral in achieving the local and regional transportation and land use goals and objectives, such as those identified in City's General Plan and the SCAG RTP/SCS.

Therefore, transportation projects that consist of adding new through lane capacity to arterial highways would be presumed to have a less than significant impact, provided the improvement is less than one (1) mile in length, consistent with the established General Plan Circulation Element Roadway Classifications and the improvements can accommodate multi-modal transportation, such as pedestrian, bicycle, and transit facilities. Typically, through lane capacity projects less than one mile in length are considered minor modifications to a roadway that would not generally result in substantial changes to the travel demand patterns in the OCTAM.

Construction of other transportation facilities not expressly listed herein or in the OPR guidance document, that in the opinion of the Public Works Manager would not directly increase the VMT in the City, may be presumed to have a less than significant impact for CEQA.

PART II - TRAFFIC IMPACT STUDY GUIDELINES

6.0 Objectives

The City of Laguna Hills has prepared these Traffic Impact Study Guidelines (TIS Guidelines) to ensure that future developments are adequately assessed with respect to General Plan Consistency from a traffic operation, level of service (LOS), site access/circulation, and parking standpoint. TIS Guidelines are needed to provide consistency throughout the City of Laguna Hills in the preparation of traffic and parking impact studies, while still allowing flexibility for a variety of potential projects. The TIS Guidelines establish procedures that a traffic engineer preparing a study should use to adequately assess and minimize the impacts of a project during the development review and approval process.

The City's Scoping Agreement for Traffic and Parking Studies is included in Appendix F. This scoping agreement needs to be completed by the consulting traffic engineer and approved by the city prior to commencing the actual traffic or parking impact study. The scoping agreement follows the requirements of the TIS Guidelines and ensures that the traffic engineering consultant follows the appropriate City-approved procedures when completing the study. Traffic and parking studies need to be prepared under the direction of a registered traffic engineer or civil engineer experienced in the preparation of traffic/parking studies. The study is to be signed and stamped by the responsible engineer.

7.0 Study Requirements

A variety of projects may require traffic or parking impact studies. Three levels of studies are included in these guidelines. Each level of traffic or parking impact study will require different criteria with respect to the study requirements. The following are the requirements of various types of projects:

A. A project that generates less than 50 peak hour trips and less than 500 trip-ends per day and is consistent with the zoning/general plan designation for the property would require an access circulation/parking review letter only. This type of study would analyze specific impacts at the site itself and ensure that appropriate design measures be implemented with the project.

B. A project that adds 50 or more peak hour trips or 500 or more trip-ends per day and is consistent with the zoning/general plan designation for the property would require a traffic impact study. This study would follow the "build-up method" of traffic analysis. The analysis scenarios would include the following:

- Existing Conditions
- Existing Plus Project Conditions
- Project Opening Year with Cumulative Projects Without Project Conditions
- Project Opening Year with Cumulative Projects with Project Conditions

C. If a project (either public or privately initiated) requires a Zone Change or a General Plan Amendment, a General Plan Buildout Analysis without and with the Project may be required, in addition to the requirements in item B above. However, if the proposed project can prove that it generates less than or equal number of trips as the approved zoning and general plan designation for the property, then it is exempt from providing a General Plan Buildout Analysis. If the project generates more trips than the approved zoning and general plan designation for the property, then the following two additional scenarios may be required, as determined by the Planning and Engineering Divisions in addition to item B above:

- General Plan Buildout without the Project
- General Plan Buildout with Project

D. All traffic impact studies that require a General Plan Buildout analysis shall be consistent with the current OCTA version of OCTAM and the City of Laguna Hills traffic model.

8.0 Study Area

The study area for the traffic impact study should be determined in the traffic study scoping agreement, including which intersections and roadway links should be studied. Generally speaking, intersections where the project would generate 50 or more peak hour trips would be assessed as part of the study. In some cases the City may determine other intersections may be required as a result of the projects location with respect to critical nearby intersections. For smaller projects, analysis of the adjacent intersections and project driveways would be required and would be identified during the preparation of the scoping agreement.

The scoping agreement should also determine if a project has the potential to impact Congestion Management Plan (CMP) facilities in accordance with the latest CMP Traffic Impact Analysis Requirements or Caltrans controlled facilities in accordance with the latest Caltrans requirements.

The scoping agreement should also identify intersections and roadways segments within the study area that are part of the Master Plan of Arterial Highways (MPAH).

9.0 Existing Conditions

The existing roadway conditions in the study area would be identified in this section of the study. This would include the existing roadway classification, traffic control, roadway geometrics (lane configurations), traffic signal phasing, and existing AM/PM traffic counts and roadway segment average daily traffic volumes. Depending upon the type of project and its location, mid-day traffic counts may also be required.

All traffic counts should be obtained within one year of completion of the traffic impact study, or as approved by the Planning and Engineering Divisions. The traffic engineering consultant can consult with the City's traffic engineer to identify potential sources of existing traffic volumes. New average daily traffic volumes should be obtained for roadway segments adjacent the project unless they are available from other sources. Other roadway segment Average Daily Traffic (ADT) volumes can be estimated from the peak hour volumes.

10.0 Project Trip Generation

10.1.1 The project trip generation should be based upon the latest edition of the Institute of Transportation Engineers (ITE) Trip Generation Manual. When data listed in the ITE Trip Generation Manual is not available or is not appropriate to use for a particular project, other sources such as San Diego Association of Government (SANDAG) Traffic Generator's Manual or special trip generation studies can be obtained by the consultant and presented to the City staff prior to the approval of the traffic study scoping agreement. Truck intensive projects will require the trip generation to be converted to Passenger Car Equivalents (PCE's). Any trip credit for existing operating uses should be identified.

10.1.2 Pass-by Trips – The use of pass-by trip adjustments may be allowed for appropriate land uses (i.e., gas station, fast-food restaurants, etc.) and would be approved in conjunction with the traffic study scoping agreement. The ITE Trip Generation Handbook can be consulted for pass-by trip adjustments. Project access points and intersections directly adjacent to the project shall include the full project trip generation without taking a reduction for pass-by trips.

10.1.3 Internal capture – In the case of some mixed-use projects, internal capture adjustments can be made to eliminate double counting of project trips. Again, the ITE Trip Generation Handbook or other recognized sources can be utilized to determine potential trip reductions as a result of

internal capture. Any internal capture is to be identified and approved in the traffic study scoping agreement.

10.1.4 Transit Adjustment – In most cases, there would be no adjustment to account for potential public transit uses. However, some types of projects located in specific locations within the city may be subject to having higher transit usage. Full documentation of the transit reduction should be included and approved in the traffic impact study.

11.0 Background Traffic

Typically, for project opening year conditions without and with the project, the "build-up" method would be utilized to determine future traffic volumes. An ambient growth rate would be applied to existing traffic counts to determine the background traffic volumes in the traffic impact study. Additionally, any cumulative (related) projects would need to be identified and accounted for in the analysis, if they occur within two miles of the project site.

A cumulative project is defined as a project application that has been deemed complete, a project that has been approved, or is under construction but not yet operating. The "cumulative projects" list can be generated by the Planning Department when approval of a scope of work is requested.

The project opening year would be based upon the time frame when the project would be fully built out and occupied. Identification of the project opening year should be included and approved in the traffic study scoping agreement.

12.0 Capacity Analysis

The capacity analysis for all project conditions should include an assessment of level of service (LOS) at signalized intersections, unsignalized intersections, project driveways, and in some cases, roadway segments. The level of service analysis would be based upon the following:

12.1.1 Intersection Capacity Utilization (ICU) methodology should be used to analyze signalized study area intersections;

12.1.2 Saturation flow value of 1,700 vehicles per lane per hour for all lanes; no adjustments are used for protected movements with dedicated lanes (including both right and left turns). An adjustment of 0.85 should be used for right turn movements where there is a right turn or "defacto" right turn lane adjacent to the curb lane (lane width equal or greater than 19-feet).

12.1.3 A clearance interval factor of 5% (0.05) should be applied to the ICU calculations. The cycle time is 100 seconds for ICU analysis purposes.

12.1.4 The ICU Level of Service ranges are as follows:

Table 2
ICU Level of Service Description

Level of Service	Volume to Capacity Ratio	Description
A	0.00 - 0.60	Excellent operation. All approaches to the intersection appear quite open, turning movements are easily made, and nearly all divers find freedom of operation.
B	0.61 - 0.70	Very good operation. An occasional approach phase is fully utilized. Many drivers feel somewhat restricted within platoons of vehicles.
C	0.71 - 0.80	Good operation. Major approach phases fully utilized. Most drivers feel somewhat restricted.
D	0.81 - 0.90	Fair operation. Drivers may have to wait through more than one red signal indication. Queues may develop but dissipate rapidly, without excessive delays.
E	0.91 - 1.00	Poor operation. Volumes at or near capacity. Vehicle may wait through several signal cycles. Long queues form upstream from intersections.
F	≥1.00	Forced flow. Represents jammed conditions. Intersection operates below capacity with low volumes. Queues may block upstream intersections.

12.1.5 Weekday peak-hour analysis periods are defined as follows (unless otherwise defined in the traffic study scoping agreement):

7:00 to 9:00 AM

4:00 to 6:00 PM

12.1.6 The highest one-hour period in both the AM and PM peak periods, as determined by four consecutive 15-minute count periods should be used in the ICU calculations.

12.1.7 Variations in peak-hour volumes can affect LOS calculations, because they vary from day-to-day. To minimize these variations, no counts should be taken on Mondays, Fridays, holidays or weekends. Counts should be taken when school is in session.

12.1.8 If the distance from the edge of the outside through lane is 19 feet or greater than and parking is prohibited during the peak period, right turning vehicles may be assumed to utilize this "unofficial" right turn lane. Otherwise, all right turn traffic is assigned to the

through lane. If a right turn lane exists, right turn activity is checked for conflicts with other critical movements. It should be assumed that right turn movements are accommodated during non-conflicting left turn phases (e.g., northbound right turns during westbound left turn phase), as well as non-conflicting through flows (e.g., northbound right turn movements and north/south through flows). Right turn movements become critical when conflicting movements (e.g., northbound right turns, southbound left turns, and eastbound through flows) represent a sum of V/C ratios that are greater than the normal through/left turn critical movements.

12.1.9 HCM Methodology: Study area intersections that are stop sign controlled with stop control on the minor street or project driveway only should be analyzed using the unsignalized intersection methodology of the latest Highway Capacity Manual. For these intersections, the calculation of level of service is dependent on the occurrence of gaps occurring in the traffic flow of the main street. The level of service should be calculated using data collected describing the intersection configuration and traffic volumes at these locations. The level of service should be determined based on the worst individual movement or movements sharing a single lane. The relationship between the level of service and delay is different than for signalized intersections.

The HCM level of service is defined for the various analysis methodologies as follows:

Table 3
HCM Level of Service Description

LOS	Average Control Delay Per Vehicle (Seconds)		Description
	Signalized	Unsignalized	
A	0.00 - 10.00	0.00 - 10.00	Excellent operation. All approaches to the intersection appear quite open, turning movements are easily made, and nearly all divers find freedom of operation.
B	10.01 - 20.00	10.01 - 15.00	Very good operation. An occasional approach phase is fully utilized. Many drivers feel somewhat restricted within platoons of vehicles.
C	20.01 - 35.00	15.01 - 25.00	Good operation. Major approach phases fully utilized. Most drivers feel somewhat restricted.
D	35.01 - 55.00	25.01 - 35.00	Fair operation. Drivers may have to wait through more than one red signal indication. Queues may develop but dissipate rapidly, without excessive delays.
E	55.01 - 80.00	35.01 - 50.00	Poor operation. Volumes at or near capacity. Vehicle may wait through several signal cycles. Long queues form upstream from intersections.
F	>80.00	>50.00	Forced flow. Represents jammed conditions. Intersection operates below capacity with low volumes. Queues may block upstream intersections.

For all-way stop conditions the average intersection delay/LOS should be utilized, whereas for cross-street stop conditions the worse- case movement delay/LOS should be utilized. For Caltrans controlled intersections both the ICU and HCM level of service should be determine and presented in the traffic analysis.

13.0 Traffic Signal Warrants Analysis

A traffic signal warrant analysis should be performed for any unsignalized study area intersection that may require signalization. For existing intersections, the Caltrans Peak Hour Warrant analysis should be used for this review. For future intersections the Caltrans Average Daily Traffic warrant should be utilized. Just because the intersection may meet the Traffic Signal Warrant Criteria a traffic signal may not be the most appropriate traffic control device as a result of several other factors such as the location of adjacent signalized intersections and other conditions.

14.0 Roadway Segment Analysis

A roadway segment analysis would only be required for a Zone Change or General Plan Amendment Traffic Analysis where the project would generate more traffic than the designated General Plan or Zoning Land uses would permit. The analysis should identify all roadways within the study area that are listed on the County's Master Plan of Arterial Highways (MPAH).

The assessment of roadway segment level of service would be based upon the following standard ADT relationship. The City of Laguna Hills requires level of service D or better for all roadway segments.

Table 4
Roadway Segment Level of Service

Type of Roadway	Lane Configuration	Levels of Service					
		A	B	C	D	E	F
Principal	8 lanes divided	45,200	52,500	60,000	67,500	75,100	-
Major	6 lanes divided	33,900	39,400	45,000	50,600	56,300	-
Primary	4 lanes divided	22,500	26,300	30,000	33,800	37,500	-
Secondary	4 lanes undivided	15,000	17,500	20,000	22,500	25,000	-
Commuter	2 lanes divided	11,300	13,200	15,000	17,000	18,800	-
Commuter	2 lanes undivided	7,500	8,800	10,000	11,300	12,500	-

If the above ADT analysis shows that the projected ADT values exceed Level of Service D, then a peak hour directional analysis should be completed based upon a peak hour directional capacity of 1,700 vehicles per hour per lane. To ensure adequacy of the roadway segments, directional volume/capacity (V/C) ratio would be calculated to determine if peak hour directional segment volumes would exceed a V/C ratio of 0.90.

15.0 Level of Service Standards

The City of Laguna Hills General Plan Mobility Element level of service standard for intersections and roadway segments is LOS D. This would be appropriate for both signalized and unsignalized intersections and roadway segments listed in the MPAH. This level of service indicates an ICU or V/C ratio of 0.90 or less for signalized study intersections. It should be noted that the City's General Plan Circulation Mobility Element recognizes that not all traffic roads are attributed to land use decisions made by the City, and that specific intersections may have physical or other constraints that create difficulties making sufficient improvements to achieve the acceptable LOS policy. Critical intersections will be identified by the city prior to completing the traffic study scoping agreement and should be identified within the traffic impact study. Additionally, any CMP designated intersections shall not exceed a LOS of E, per OCTA standards.

16.0 Level of Service Impacts

A project's LOS impact is determined based upon the existing and projected future LOS at an intersection or roadway segment. A LOS impact is identified when an intersection or roadway segment is operating at an ICU or V/C ratio at or below 0.90 and the project causes the level to exceed 0.90 by an impact equal to or greater than 0.01. Furthermore, if an intersection or roadway segment is already operating at a LOS E or F, any ICU or V/C ratio impact equal to or greater than 0.01 would be considered a significant impact by the project. For unsignalized intersections, if the LOS with the project exceeds LOS D then a level of service impact would occur if the following conditions are met; the project increases the delay by 2-seconds or more, the project contributes 50 or more peak hour trips to the intersection, and traffic signal warrants are satisfied.

The traffic impact study should include a table identifying whether the project has a level of service impact at any of the study area intersections or roadway segments. Improvements would be required to restore traffic operations at the affected facility to pre-project conditions. For cumulative level of service impacts, a project may be eligible for paying a fair-share of the total improvement cost. A project fair share percentage table should be calculated for all facilities with cumulative impacts. The fair-share percentage should be calculated by taking the project's traffic contribution to an affected intersection or roadway segment and dividing it by the overall growth in traffic during the future conditions.

Projects may also be eligible to participate in road fee programs (if any) and pay in-lieu fees to satisfy roadway improvement requirements.

17.0 Site Access and Circulation Review

As part of the traffic impact study, project access and internal circulation should be reviewed based upon the proposed land uses and site plan proposed for the project. Any recommended changes to the circulation system, access or traffic control should be identified in the traffic impact study. Where truck traffic is anticipated, truck turning templates should be reviewed for both the project driveways and internal circulation. Drive aisles and parking spaces should be designed based upon the City's Parking Code requirements.

18.0 Parking Requirements

The parking provided by the project must be adequate to meet the anticipated use of the site. Typically, the City's parking code should be utilized to determine the adequacy of the parking. In some cases where there are mixed use projects a shared parking plan can be provided, per the requirements of the Laguna Hills Municipal Code (LHMC), Section 9-44.070. Except within the City's Urban Village Specific Plan (UVSP) area, a shared parking study, based on the latest edition of the Urban Land Institute (ULI) Shared Parking document, should be provided. This study analyzes peak parking demand for each individual use and the times of the day that those uses are in greatest demand. The ULI shared parking analysis must use parking demand rates based upon the City's parking code.

In some cases, specialized uses may require parking rates not identified in the City's parking code. As identified in LHMC Section 9.44.020, the Community Development Director shall have the authority to determine the appropriate parking requirements, and special parking demand studies should be provided to assess the adequacy of parking. The need for these types of studies would be identified in the scoping agreement. Data from at least three (3) similar sites should be included in any specialized studies.

19.0 Queuing Analysis

A queuing analysis may be required for certain projects (i.e., private gated communities, restaurants or pharmacies with drive-thru lanes, etc.) to ensure that adequate vehicle stacking is available in the proposed site plan. Various methodologies are available to assess project queuing including the "Crommelin Methodology" and other queuing methodologies included in the ITE Land Development Traffic Manual. As an alternative, on-site queuing studies of similar uses may be utilized to assess the queuing for a project. Observed queuing studies should be conducted at existing locations where the ADT of the adjoining roadway is similar to the site being evaluated in

Laguna Hills. In all cases the queuing analysis should determine the 95th percentile queue length for the storage lane(s). An average vehicle length of 20-feet per vehicle should be utilized to determine the appropriate storage length.

20.0 Special Issues (if any)

In some cases, there may be special issues that may be addressed as part of the traffic or parking assessment. Special issues may depend on the specific type of land use being proposed and these will be identified in the traffic study scoping agreement.

21.0 Recommendations

The traffic study should include a list of recommendations to be incorporated as part of the project conditions. These recommendations should be included in both written and graphical form within the traffic study. If the project creates a Direct LOS Impact based upon a comparison of the Existing vs. Existing Plus Project conditions, then the project may be responsible for the full improvements that are required to meet the City's LOS standards. If the project contributes an indirect (cumulative) LOS impact, based upon a comparison of the Opening or Future year conditions to the Opening or Future year with the Project conditions then a Fair Share contribution for the improvements would be required. The project's fair share contribution should be identified in the recommendations section of the report.

22.0 Conclusions

A summary and conclusion section should be included to summarize the findings of the traffic study. The conclusion section would identify the impact of the proposed project and the recommended roadway improvements included in the traffic study report.

23.0 Exhibits

Exhibits should be provided to adequately describe the proposed project in graphic format. This would include a location map, site plan, existing roadway conditions and lane configuration, existing traffic volumes, project trip distribution maps, project buildout without and with the project traffic volumes, cumulative projects location map, cumulative projects trip distribution maps, cumulative projects traffic volumes, general plan buildout traffic volumes without and with

the project (when applicable), and an exhibit showing the graphic representation of proposed project recommendations and improvements.

24.0 Tables

The traffic impact study should contain sufficient tables to identify project impacts. This would include table summaries of existing levels of service, project trip generation rates, project trip generation, existing plus project level of service, project buildout without and with the project levels of service, general plan buildout without and with the project levels of service, a summary table of all traffic levels of service considered in the traffic study, a parking requirement table, a queuing analysis table (when applicable) and a table summarizing study recommendations.

25.0 Appendices

Appendices should include traffic counts, level of service worksheets, traffic signal warrants for all study scenario conditions, queuing data, any parking related material utilized in the analysis and any relevant references utilized to complete the study.

Exhibits

City of Laguna Hills Transportation Impact Analysis
Flow Chart for Land Use Projects

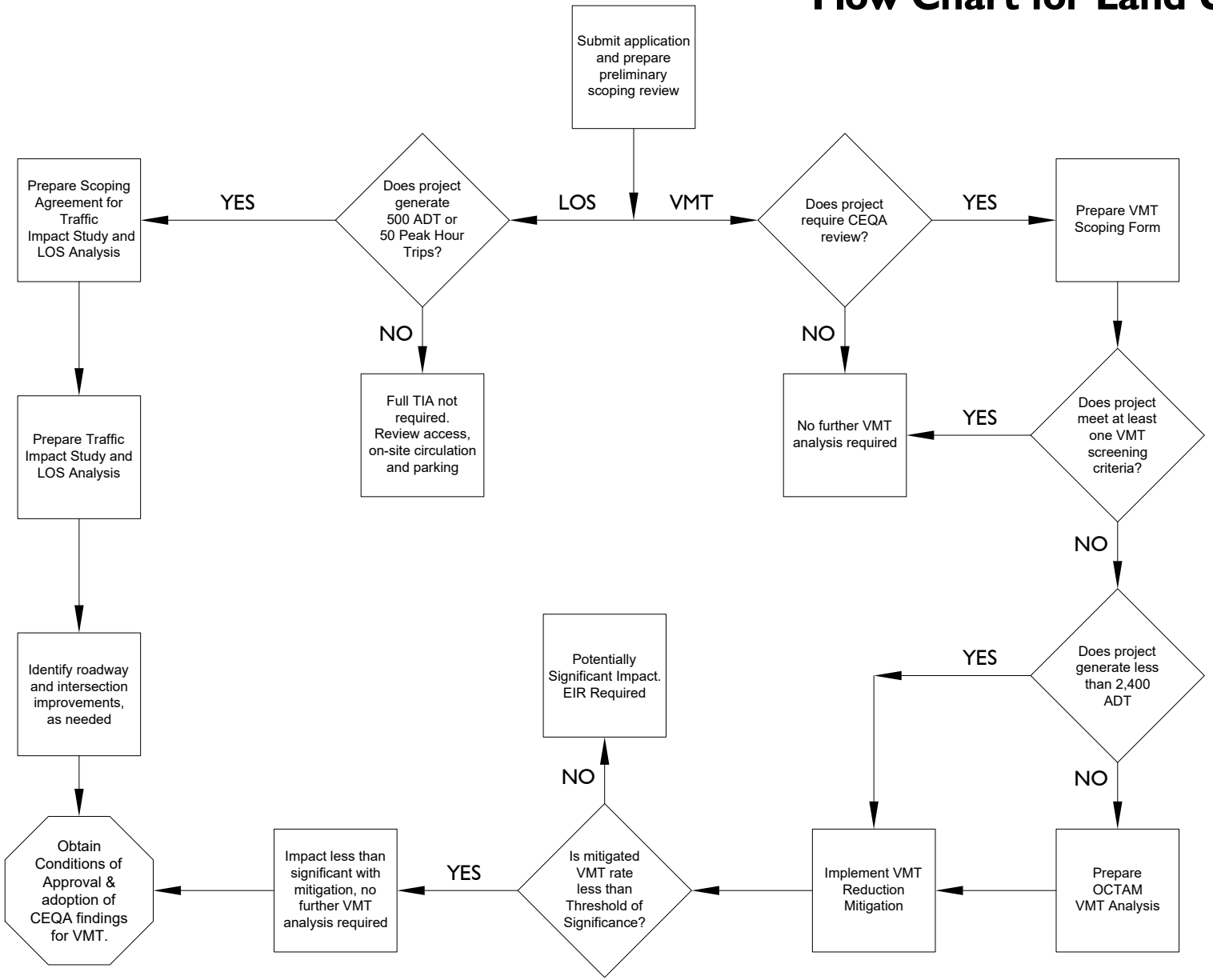
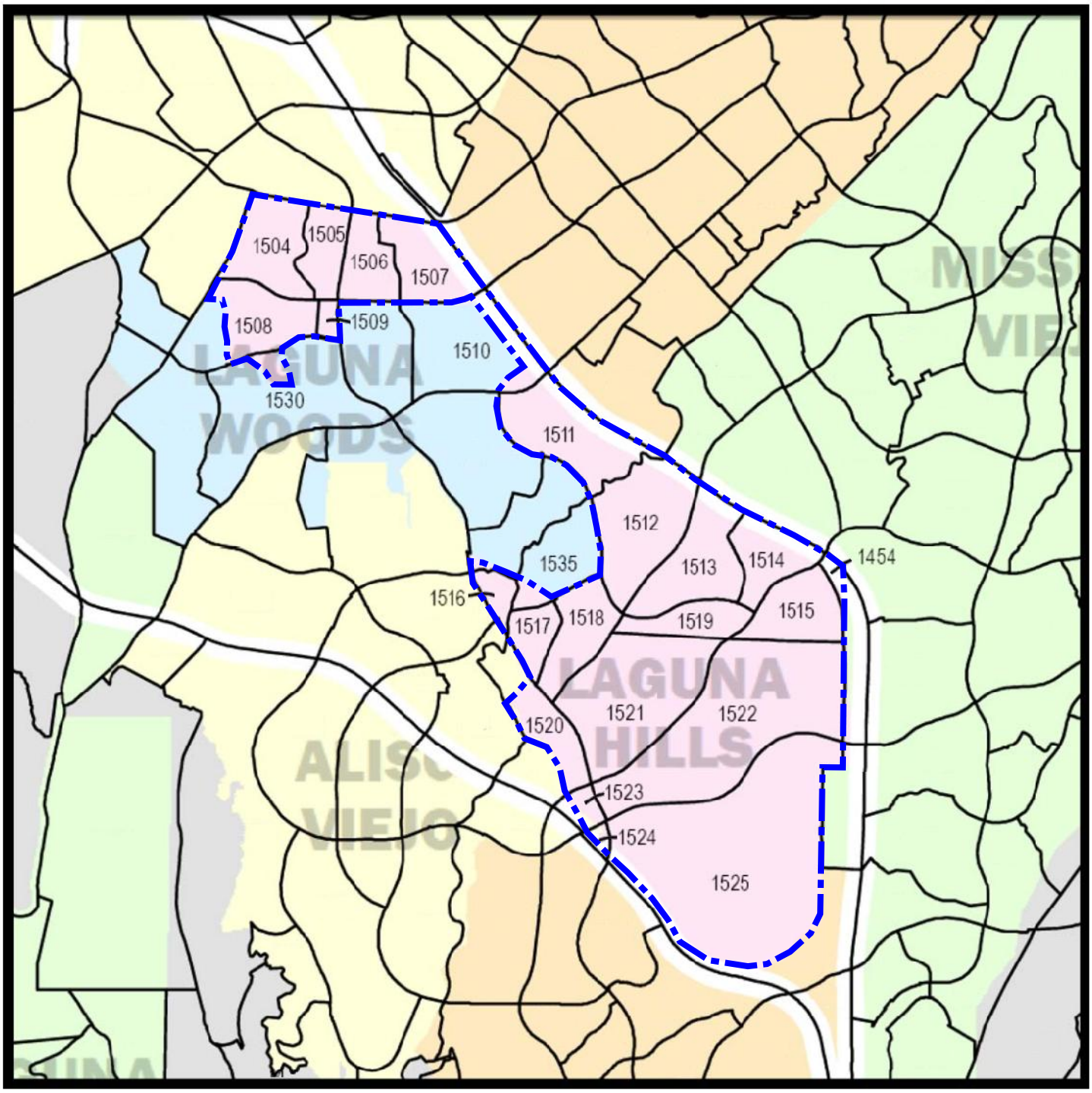


Exhibit B

OCTAM TAZ Map for the City of Laguna Hills

Updated: August 2025



Appendices

Appendix A

City of Laguna Hills VMT Screening Form for Land Use Projects

CITY OF LAGUNA HILLS
VMT SCREENING FORM FOR LAND USE PROJECTS

This Screening Form acknowledges the City of Laguna Hills requirements for the evaluation of vehicle miles traveled (VMT) under CEQA. The analysis provided in this form should follow the City of Laguna Hills approved TIA Guidelines, dated August 2025.

I. Project Description

Case Number:

Project Name:

Project Location:

Project Description:

(Please attach a copy of the project Site Plan)

Current GP Land Use: **Proposed GP Land Use:**

Current Zoning: **Proposed Zoning:**

If a project requires a General Plan Amendment or Zone change, then additional information and analysis should be provided to ensure the project is consistent with RTP/SCS Strategies and RHNA Allocation Plan.

II. VMT Screening Criteria

A. Is the Project 100% affordable housing?	**YES**		**NO**		Attachments:
B. Is the Project within 1/2 mile of qualifying transit?	**YES**		**NO**		Attachments:
C. Is the Project a local serving land use?	**YES**		**NO**		Attachments:
D. Is the Project in a low VMT area?	**YES**		**NO**		Attachments:
E. Are the Project's Net Daily Trips less than 500 ADT?	**YES**		**NO**		Attachments:

Low VMT Area Evaluation:

Citywide VMT Averages[1]		
Citywide Home-Based VMT =	18.6	VMT/Capita
Citywide Employment VMT =	21.0	VMT/Employee

Project TAZ	VMT Rate for Project TAZ[1]	Type of Project	
	VMT/Capita	Residential:	
	VMT/Employee	Non-Residential:	

[1] Base year (2019) projections from OCTAM 5.1.

Trip Generation Evaluation:

Source of Trip Generation:

Project Trip Generation: **Average Daily Trips (ADT)**

Internal Trip Credit:	YES		NO		% Trip Credit:
Pass-By Trip Credit:	YES		NO		% Trip Credit:
Affordable Housing Credit:	YES		NO		% Trip Credit:
Existing Land Use Trip Credit:	YES		NO		Trip Credit:

Net Project Trip Generation: **Average Daily Trips (ADT)** Attachments:

Does project trip generation warrant an LOS evaluation outside of CEQA? **YES** -- **NO** --

III. VMT Screening Summary

A. Is the Project presumed to have a less than significant impact on VMT?
A Project is presumed to have a less than significant impact on VMT if the Project satisfies at least one (1) of the VMT screening criteria.

--

B. Is mitigation required?
If the Project does not satisfy at least one (1) of the VMT screening criteria, then mitigation is required to reduce the Project's impact on VMT.

--

C. Is additional VMT modeling required to evaluate Project impacts?

YES	--	NO	--

If the Project does not satisfy at least one (1) of the VMT screening criteria AND generates 2,400 or more net daily trips, then additional VMT modeling using OCTAM is required. If the project generates less than 2,400 net daily trips, the Project TAZ VMT Rate can be used for mitigation purposes.

IV. MITIGATION

A. Citywide Average VMT Rate (Threshold of Significance) for Mitigation Purposes:	--	--
B. Unmitigated Project TAZ VMT Rate:	--	--
C. Percentage Reduction Required to Achieve the Citywide Average VMT:	--	

D. VMT Reduction Mitigation Measures:

Source of VMT Reduction Estimates:	
Project Location Setting	

	VMT Reduction Mitigation Measure:	Estimated VMT Reduction (%)
1.		0.00%
2.		0.00%
3.		0.00%
4.		0.00%
5.		0.00%
6.		0.00%
7.		0.00%
8.		0.00%
9.		0.00%
10.		0.00%
Total VMT Reduction (%)		**0.00%**

(Attach additional pages, if necessary, and a copy of all mitigation calculations.)

E. Mitigated Project TAZ VMT Rate:	--	--

F. Is the project presumed to have a less than significant impact with mitigation?

--

If the mitigated Project VMT rate is below the Citywide Average Rate, then the Project is presumed to have a less than significant impact with mitigation. If the answer is no, then additional VMT modeling may be required and a potentially significant and unavoidable impact may occur. All mitigation measures identified in Section IV.D. are subject to become Conditions of Approval of the project. Development review and processing fees should be submitted with, or prior to the submittal of this Form. The Planning Department staff will not process the Form prior to fees being paid to the City.

Prepared By		Developer/Applicant	
Company:		**Company:**	
Contact:		**Contact:**	
Address:		**Address:**	
Phone:		**Phone:**	
Email:		**Email:**	
Date:		**Date:**	

Approved by:

Laguna Hills Community Development Dept. Date	**Laguna Hills Public Services Dept. Date**

Appendix B

City of Laguna Hills VMT Screening Form for Transportation Projects

CITY OF LAGUNA HILLS VMT SCREENING FORM FOR TRANSPORTATION PROJECTS

This Review Form acknowledges the City of Laguna Hills requirements for the CEQA Transportation evaluation of the following Transportation project with respect to Vehicle Miles Traveled. The analysis provided in this form must follow the City of Laguna Hills Approved TIA Guidelines, dated _____.)

Project No.:
Related Projects:
Project Name:
Project Limits::
Project Description:

Anticipated Date of Construction:

(Please attach a copy of the Project Improvement Plans with the appropriate project information)

	Consultant	Agency doing the Construction
Company Name:		
Contact Person:		
Address:		
Telephone:		
Primary Contact Email		

A. Is this a City Project ?	**YES**		**NO**	
B. Is this a Private Development Project ?	**YES**		**NO**	
C. Does this project qualify for an Exemption per the City's TIA Guidelines? (See Section D for Exemptions)	**YES**		**NO**	

D. Exemption Criteria: **Check all that apply:**

1. Rehabilitation, maintenance, replacement, safety and repair projects.	
2. Roadway safety or hardware installation projects.	
3. Roadway shoulder or parking lane enhancements.	
4. Reconfiguration of traffic lanes to accommodate turn lanes, to a left turn lanes or may other modifications to accommodate existing traffic.	
5. Addition of new through lanes that are consistent with the city's general plan and circulation element that has had previous CEQ a review.	
6. Installation of traffic signals, traffic control devices and TSM (transportation system management) syster	
7. Installation of traffic calming devices or roundabouts.	
8. Installation of transit facilities including transit service, bus stops bus turnouts and any other transit related facilities.	
9. Conversion of streets from one way to two way operation or removal or installation of on street parking spaces.	
10. Installation of traffic or other signage to facilitate traffic operations for vehicles including bicycles public transit and pedestrians.	
11. Addition of new or enhanced bicycle or pedestrian facilities.	
12. Installation of publicy available alternative fuel claim charging infrastructure.	
13. Construction of other transportation facilities exempt per OPR recommendation or that in the opinion of the public service says director would not directly increase the VMT in the city.	

E. Does the project require OCTAM VMT modeling to determine the impact on induced travel?	**YES**		**NO**	

Note: The Transporation Project Scoping Form and appropriate fee must be submitted with, or prior to submittal of this form. The Engineering Department staff will not process the Form prior to the fee being paid to the City.

Recommended by:	Approved by:
Consultant's Representative:	**Laguna Hills Planning Department:**
Date:	**Date:**
Revised on:	**Laguna Hills Public Services Dept.**
Approved on:	**Date:**

Appendix C

Evaluation of Daily Trip Screening Criteria

Appendix C: Evaluation of Daily Trip Screening Criteria

The City of Laguna Hills recognizes projects that generate less than 500 Average Daily Traffic (ADT) would generally be assumed to cause less than significant transportation impact under CEQA. This is consistent with the general concept recommended by OPR for small project screening. However, OPR recommends that absent substantial evidence indicating that a project would generate a potentially significant level of VMT, or inconsistency with a Sustainable Communities Strategy (SCS) or general plan, projects that generate or attract fewer than 110 ADT generally may be assumed to cause a less than significant transportation impact. This section provides further analysis and evidence for justifying the City of Laguna Hills Daily Trip Screening Criteria.

1. Impact to Total Citywide VMT

The following analysis was prepared to look at how an individual project's ADT would contribute to changes in the total citywide VMT. OCTAM base year 2019 statistics were used to show potential changes from developments of varying size. Table C-1 shows the change in citywide VMT from six (6) different land use projects that generate 110 ADT, 250 ADT, 500 ADT and 2,400 ADT.

As shown in Table C-1, the incremental change in the citywide VMT from a project that generates 500 ADT would range from approximately 0.1% to 0.33% increase. While the increase is approximately 4.5 times higher than a project that generates 110 ADT, the relative change is still considered insignificant in comparison to the total citywide VMT and it would not be expected to significantly change the City's VMT efficiency rates. Thus, a project that generates 500 ADT would have the potential to meet the criteria for a small project in the City of Laguna Hills.

Table C-1
Evaluation of Screening Criteria

Land Use	110 ADT[1]	250 ADT[1]	500 ADT[1]	2,400 ADT[1]
Residential				
Single Family (DU)	11	26	53	254.4
Percent Increase in Citywide VMT	0.04%	0.10%	0.20%	0.96%
Multifamily (DU)	15	34	68	326.4
Percent Increase in Citywide VMT	0.06%	0.13%	0.26%	1.23%
Senior Housing (DU)	29	67	135	648
Percent Increase in Citywide VMT	0.07%	0.16%	0.33%	1.56%
Employment				
General Office (TSF)	11.3	25.65	51.3	246.2
Percent Increase in Citywide VMT	0.06%	0.13%	0.26%	1.23%
General Retail (TSF)	2.9	6.6	13.2	63.4
Percent Increase in Citywide VMT	0.02%	0.05%	0.10%	0.47%
General Light Industrial (TSF)	22.2	50.4	100.8	531.8
Percent Increase in Citywide VMT	0.06%	0.14%	0.28%	1.33%

[1] ADT calculated based on ITE Trip Generation Manual, 10th Edition, 2017.

The statistical data from OCTAM base year 2016 that was used for evaluating the screening criteria in Table C-1 is provided in Table C-2 for reference.

Table C-2
OCTAM Base Year 2012 Stats

Home-based VMT per Capita	21.6
Home-based work VMT per Employee	25.1
Total Population	33,776
Total Employment	18,482
Total Occupied Households	11,517
Population per Occupied Household	2.93
Population per Senior Household*	1.87
Office Employees per TSF*	3.33
Retail Employees per TSF*	5.00
Industrial Employees per TSF*	1.67
Total Citywide VMT	1,675,477

*Estimated from other sources

2. Impact to GHG Emissions

GHG emissions from mobile sources (i.e. cars and trucks) are typically the largest source of operational emissions generated by a land use project. The quantity of GHG emissions generated by mobile sources is positively correlated to VMT; the more VMT a project generates, the more GHG emissions it will generate. Since SB 743 seeks to reduce GHG emissions through the reduction of VMT, the VMT screening criteria should ensure that all potential projects that are presumed to be less than significant for transportation would also be less than significant for greenhouse gas.

This section provides a brief analysis, evidence and quantification of GHG emissions based on the recommended daily trip screening criteria of 500 ADT and compares the results to the SCAQMD Interim CEQA GHG Significance Thresholds. The California Emissions Estimator Model Version 2016.3.2 (CalEEMod) was used to calculate GHG emissions for six (6) common land uses in the City of Laguna Hills. CalEEMod is a statewide land use emissions computer model developed for the California Air Pollution Control Officers Association (CAPCOA) in collaboration with the California air districts.

Estimates of mobile source emissions require information on three parameters: VMT (trip generation x trip length), vehicle fleet mix, and emission factors (quantity of emission for each mile traveled or time spent idling by each vehicle).

Table C-3
Estimated GHG Emissions for 500 ADT Screening Criteria

Emissions Source[2]	MTCO2e/Year[1]					
	Single Family (53 DU)	Multifamily (68 DU)	Senior Housing (135 DU)	General Office (51.3 TSF)	General Retail (13.2 TSF)	Light Industrial (100.8 TSF)
Mobile Sources	1546.3	1526.9	1477.6	610.7	486.1	1,049.5
Energy Sources	209.3	137.0	280.3	254.7	49.7	423.7
Area Sources	17.9	23.0	45.6	0.0	0.0	0.0
Water	26.8	34.4	68.3	70.2	7.5	141.6
Waste	31.3	15.7	31.2	24.0	7.0	69.1
Total Annual GHG Emissions	**1,831.6**	**1,737.0**	**1,903.0**	**959.5**	**550.3**	**1,683.8**
SCAQMD Threshold	3,000					
Exceed Threshold?	No	No	No	No	No	No
Percent Below Threshold	39%	42%	37%	68%	82%	44%

[1] MTCO2e = Metric Tons of Carbon Dioxide Equivalents per Year
[2] CalEEMod default parameters were used in all emissions calculations except for changes to the following; trip generation rates were changed to reflect the latest ITE 10 Trip Gen Manual, 10th Edition, and changes were made to the home-based and worker trip lengths to reflect citywide averages of 21.6 VMT/capita and 25.1 VMT/worker.

As shown in Table C-3, the estimated GHG emissions from land use projects that generate 500 ADT or less would be expected to be well below the applicable SCAQMD thresholds of significance. Therefore, projects that generate 500 ADT or less would generally be presumed to have a less than significant impact for greenhouse gas.

Appendix D

CAPCOA Fact Sheets for the Quantification of VMT Reduction

Table 6-2: Transportation Category

Transportation						
Category	Measure Number	Strategy	BMP	Grouped With #	Range of Effectiveness	
					Percent Reduction in GHG Emissions	Basis
Land Use / Location	LUT-1	Increase Density			1.5-30.0%	VMT
	LUT-2	Increase Location Efficiency			10-65%	VMT
	LUT-3	Increase Diversity of Urban and Suburban Developments (Mixed Use)			9-30%	VMT
	LUT-4	Incr. Destination Accessibility			6.7-20%	VMT
	LUT-5	Increase Transit Accessibility			0.5-24.6%	VMT
	LUT-6	Integrate Affordable and Below Market Rate Housing			0.04-1.20%	VMT
	LUT-7	Orient Project Toward Non-Auto Corridor			NA	
	LUT-8	Locate Project near Bike Path/Bike Lane			NA	
	LUT-9	Improve Design of Development			3.0-21.3%	VMT
Neighborhood / Site Design	SDT-1	Provide Pedestrian Network Improvements			0-2%	VMT
	SDT-2	Traffic Calming Measures			0.25-1.00%	VMT
	SDT-3	Implement a Neighborhood Electric Vehicle (NEV) Network			0.5-12.7%	VMT
	SDT-4	Urban Non-Motorized Zones		SDT-1	NA	
	SDT-5	Incorporate Bike Lane Street Design (on-site)		LUT-9	NA	
	SDT-6	Provide Bike Parking in Non-Residential Projects		LUT-9	NA	
	SDT-7	Provide Bike Parking in Multi-Unit Residential Projects		LUT-9	NA	
	SDT-8	Provide EV Parking		SDT-3	NA	
	SDT-9	Dedicate Land for Bike Trails		LUT-9	NA	
Parking Policy / Pricing	PDT-1	Limit Parking Supply			5-12.5%	
	PDT-2	Unbundle Parking Costs from Property Cost			2.6-13%	
	PDT-3	Implement Market Price Public Parking (On-Street)			2.8-5.5%	
	PDT-4	Require Residential Area Parking Permits		PDT-1, 2 & 3	NA	

Transportation - continued

Category	Measure Number	Strategy	BMP	Grouped With #	Range of Effectiveness	
					Percent Reduction in GHG Emissions	Basis
Trip Reduction Programs	TRT-1	Implement Voluntary CTR Programs			1.0-6.2%	Commute VMT
	TRT-2	Implement Mandatory CTR Programs – Required Implementation/Monitoring			4.2-21.0%	Commute VMT
	TRT-3	Provide Ride-Sharing Programs			1-15%	Commute VMT
	TRT-4	Implement Subsidized or Discounted Transit Prog.			0.3-20.0%	Commute VMT
	TRT-5	Provide End of Trip Facilities		TRT-1, 2 & 3	NA	
	TRT-6	Telecommuting and Alternative Work Schedules			0.07-5.50%	Commute VMT
	TRT-7	Implement Commute Trip Reduction Marketing			0.8-4.0%	Commute VMT
	TRT-8	Implement Preferential Parking Permit Program		TRT-1, 2 & 3	NA	
	TRT-9	Implement Car-Sharing Program			0.4-0.7%	VMT
	TRT-10	Implement School Pool Program			7.2-15.8%	School VMT
	TRT-11	Provide Employer-Sponsored Vanpool/Shuttle			0.3-13.4%	Commute VMT
	TRT-12	Implement Bike-Sharing Program		SDT-5, LUT-9	NA	
	TRT-13	Implement School Bus Program			38-63%	School VMT
	TRT-14	Price Workplace Parking			0.1-19.7%	Commute VMT
	TRT-15	Implement Employee Parking “Cash-Out”			0.6-7.7%	Commute VMT

Transportation - continued						
Category	Measure Number	Strategy	BMP	Grouped With #	Range of Effectiveness	
					Percent Reduction in GHG Emissions	Basis
Transit System Improvements	TST-1	Provide a Bus Rapid Transit System			0.02-3.2%	VMT
	TST-2	Implement Transit Access Improvements		TST-3, TST-4	NA	
	TST-3	Expand Transit Network			0.1-8.2%	VMT
	TST-4	Increase Transit Service Frequency/Speed			0.02-2.5%	VMT
	TST-5	Provide Bike Parking Near Transit		TST-3, TST-4	NA	
	TST-6	Provide Local Shuttles		TST-3, TST-4	NA	
Road Pricing / Management	RPT-1	Implement Area or Cordon Pricing			7.9-22.0%	VMT
	RPT-2	Improve Traffic Flow			0-45%	VMT
	RPT-3	Require Project Contributions to Transportation Infrastructure Improvement Projects		RPT-2, TST-1 to 6	NA	
	RPT-4	Install Park-and-Ride Lots		RPT-1, TRT-11, TRT-3, TST-1 to 6	NA	
Vehicles	VT-1	Electrify Loading Docks and/or Require Idling-Reduction Systems			26-71%	Truck Idling Time
	VT-2	Utilize Alternative Fueled Vehicles			Varies	
	VT-3	Utilize Electric or Hybrid Vehicles			0.4-20.3%	Fuel Use

Appendix E

OPR Technical Advisory
Excerpt on the Evaluation of Transportation Projects

2. Determine the amount of VMT growth likely to result from background population growth, and subtract that from their "budget";
3. Allocate their jurisdiction's share between their various VMT-increasing transportation projects, using whatever criteria the lead agency prefers.

2. Estimating VMT Impacts from Transportation Projects

CEQA requires analysis of a project's potential growth-inducing impacts. (Pub. Resources Code, § 21100, subd. (b)(5); CEQA Guidelines, § 15126.2, subd. (d).) Many agencies are familiar with the analysis of growth inducing impacts associated with water, sewer, and other infrastructure. This technical advisory addresses growth that may be expected from roadway expansion projects.

Because a roadway expansion project can induce substantial VMT, incorporating quantitative estimates of induced VMT is critical to calculating both transportation and other impacts of these projects. Induced travel also has the potential to reduce or eliminate congestion relief benefits. An accurate estimate of induced travel is needed to accurately weigh costs and benefits of a highway capacity expansion project.

The effect of a transportation project on vehicle travel should be estimated using the "change in total VMT" method described in *Appendix 1*. This means that an assessment of total VMT without the project and an assessment with the project should be made; the difference between the two is the amount of VMT attributable to the project. The assessment should cover the full area in which driving patterns are expected to change. As with other types of projects, the VMT estimation should not be truncated at a modeling or jurisdictional boundary for convenience of analysis when travel behavior is substantially affected beyond that boundary.

Transit and Active Transportation Projects

Transit and active transportation projects generally reduce VMT and therefore are presumed to cause a less-than-significant impact on transportation. This presumption may apply to all passenger rail projects, bus and bus rapid transit projects, and bicycle and pedestrian infrastructure projects. Streamlining transit and active transportation projects aligns with each of the three statutory goals contained in SB 743 by reducing GHG emissions, increasing multimodal transportation networks, and facilitating mixed use development.

Roadway Projects

Reducing roadway capacity (for example, by removing or repurposing motor vehicle travel lanes) will generally reduce VMT and therefore is presumed to cause a less-than-significant impact on transportation. Generally, no transportation analysis is needed for such projects.

Building new roadways, adding roadway capacity in congested areas, or adding roadway capacity to areas where congestion is expected in the future, typically induces additional vehicle travel. For the types of projects previously indicated as likely to lead to additional vehicle travel, an estimate should be made of the change in vehicle travel resulting from the project.

For projects that increase roadway capacity, lead agencies can evaluate induced travel quantitatively by applying the results of existing studies that examine the magnitude of the increase of VMT resulting from a given increase in lane miles. These studies estimate the percent change in VMT for every percent change in miles to the roadway system (i.e., "elasticity").[35] Given that lead agencies have discretion in choosing their methodology, and the studies on induced travel reveal a range of elasticities, lead agencies may appropriately apply professional judgment in studying the transportation effects of a particular project. The most recent major study, estimates an elasticity of 1.0, meaning that every percent change in lane miles results in a one percent increase in VMT.[36]

To estimate VMT impacts from roadway expansion projects:

1. Determine the total lane-miles over an area that fully captures travel behavior changes resulting from the project (generally the region, but for projects affecting interregional travel look at all affected regions).
2. Determine the percent change in total lane miles that will result from the project.
3. Determine the total existing VMT over that same area.
4. Multiply the percent increase in lane miles by the existing VMT, and then multiply that by the elasticity from the induced travel literature:

[% increase in lane miles] x [existing VMT] x [elasticity] = [VMT resulting from the project]

A National Center for Sustainable Transportation tool can be used to apply this method: https://ncst.ucdavis.edu/research/tools

This method would not be suitable for rural (non-MPO) locations in the state which are neither congested nor projected to become congested. It also may not be suitable for a new road that provides new connectivity across a barrier (e.g., a bridge across a river) if it would be expected to substantially

[35] See U.C. Davis, Institute for Transportation Studies (Oct. 2015) *Increasing Highway Capacity Unlikely to Relieve Traffic Congestion*; Boarnet and Handy (Sept. 2014) *Impact of Highway Capacity and Induced Travel on Passenger Vehicle Use and Greenhouse Gas Emissions*, California Air Resources Board Policy Brief, available at https://www.arb.ca.gov/cc/sb375/policies/hwycapacity/highway_capacity_brief.pdf.
[36] See Duranton and Turner (2011) *The Fundamental Law of Road Congestion: Evidence from US cities*, available at http://www.nber.org/papers/w15376.

shorten existing trips. If it is likely to be substantial, the trips-shortening effect should be examined explicitly.

The effects of roadway capacity on vehicle travel can also be applied at a programmatic level. For example, in a regional planning process the lead agency can use that program-level analysis to streamline later project-level analysis. (See CEQA Guidelines, § 15168.) A program-level analysis of VMT should include effects of the program on land use patterns, and the VMT that results from those land use effects. In order for a program-level document to adequately analyze potential induced demand from a project or program of roadway capacity expansion, lead agencies cannot assume a fixed land use pattern (i.e., a land use pattern that does not vary in response to the provision of roadway capacity). A proper analysis should account for land use investment and development pattern changes that react in a reasonable manner to changes in accessibility created by transportation infrastructure investments (whether at the project or program level).

Mitigation and Alternatives

Induced VMT has the potential to reduce or eliminate congestion relief benefits, increase VMT, and increase other environmental impacts that result from vehicle travel.[37] If those effects are significant, the lead agency will need to consider mitigation or alternatives. In the context of increased travel that is induced by capacity increases, appropriate mitigation and alternatives that a lead agency might consider include the following:

- Tolling new lanes to encourage carpools and fund transit improvements
- Converting existing general purpose lanes to HOV or HOT lanes
- Implementing or funding off-site travel demand management
- Implementing Intelligent Transportation Systems (ITS) strategies to improve passenger throughput on existing lanes

Tolling and other management strategies can have the additional benefit of preventing congestion and maintaining free-flow conditions, conferring substantial benefits to road users as discussed above.

G. Analyzing Other Impacts Related to Transportation

While requiring a change in the methodology of assessing transportation impacts, Public Resources Code section 21099 notes that this change "does not relieve a public agency of the requirement to analyze a project's potentially significant transportation impacts related to air quality, noise, safety, or any other impact associated with transportation." OPR expects that lead agencies will continue to

[37] See National Center for Sustainable Transportation (Oct. 2015) *Increasing Highway Capacity Unlikely to Relieve Traffic Congestion*, available at http://www.dot.ca.gov/newtech/researchreports/reports/2015/10-12-2015-NCST_Brief_InducedTravel_CS6_v3.pdf; see Duranton and Turner (2011) *The Fundamental Law of Road Congestion: Evidence from US cities*, available at http://www.nber.org/papers/w15376.

Appendix F

Traffic Study Scoping Agreement

Appendix F

TRAFFIC STUDY SCOPING AGREEMENT

This letter acknowledges the City of Laguna Hills requirements for traffic impact analysis of the following project. The analysis must follow the City of Laguna Hills Traffic Impact Study Guidelines.

The Traffic Study pertains to which of the following:

- ☐ Access / Internal Circulation / Parking Review (less than 50 peak hour trips or 500 ADT)
- ☐ Project Buildout Traffic Impact Study (50 or more peak hour trips or 500 ADT)
- ☐ Zone Change / General Plan Amendment Traffic Impact Study (more trips than existing zoning / General Plan)
- ☐ Parking Study Only
- ☐ Other: _____

Case Numbers: _____
Project Name: _____
Project Address: _____
Project Description: _____

Consultant	Developer
Name: _____	Name: _____
Address: _____	Address: _____
_____	_____
Telephone: _____	Telephone: _____

A. Trip Generation Source: ITE Trip Generation, Latest Edition or other approved source

Current GP Land Use _____ Proposed Land Use _____
Current Zoning _____ Proposed Zoning _____

	Current Trip Generation to be Credited:			Project Trip Generation:			Net Trip Generation:		
	In	Out	Total	In	Out	Total	In	Out	Total
AM Trips									
PM Trips									

Internal Trip Allowance ☐ Yes ☐ No _____ % Trip Discount
Pass-By Trip Allowance ☐ Yes ☐ No _____ % Trip Discount

The full project trips should be applied to the trips at adjacent study area intersections and project driveways and shall be indicated on a report figure.

B. Trip Geographic Distribution (%): North = _____ % South = _____ % East = _____ % West = _____ %
(attached exhibit for detailed assignment)

C. Background Traffic

Project Build-out Year _____ Annual Ambient Growth Rate: _____ %
Phase Year(s) _____
Other area projects to be analyzed: To be provided by the City of Laguna Hills.
Model/Forecast methodology _____

D. Study intersections: (NOTE: Subject to revision after other projects, trip generation and distribution are determined, or comments from other agencies.)

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

E. Other Jurisdictional Impacts:

Is this project within a City's Sphere of Influence or one-mile radius of City boundaries? ☐ Yes ☐ NO

If so, name of adjacent City Jurisdiction: _____

F. Site Plan (please attach reduced copy)

G. Specific issues to be addressed in the Study (To be filled out by the City of Laguna Hills)

_____

H. Existing Conditions

Traffic count data must be new or recent. Provide traffic count dates if using other than new counts.

Date of counts: _____

I. Level of Service (LOS)

Acceptable intersection LOS for this study: D or Better

Recommended by:

_____ _____

Consultant's Representative Date

Approved Traffic Study Specifications:

_____ _____

City of Laguna Hills Date

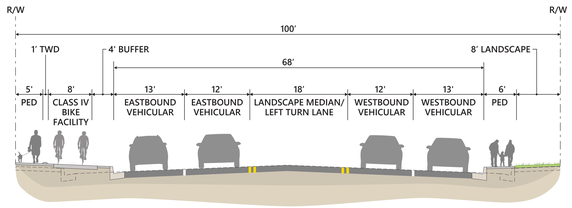
Paseo De Valencia Improvements Two-Way Class IV Bike Trail



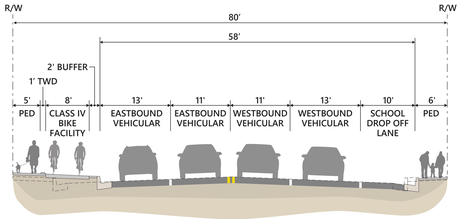
MARK THOMAS

Cabot Road Improvements Two-Way Class IV Bike Trail

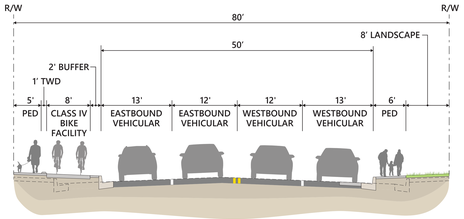




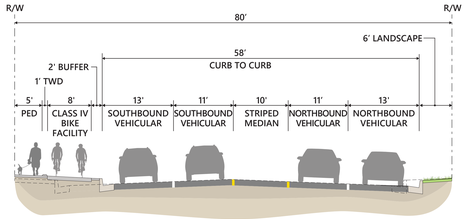
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

MARK THOMAS

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: September 9, 2025
To: Mayor and Council Members
From: Jennifer Lowe, Community Development Director
Issue: General Plan Amendment RZNE-0013-2024, a Minor Amendment to the Laguna Hills General Plan Mobility Element to Reflect Changes Made to the Orange County Master Plan of Arterial Highways to Modify Major and Secondary Arterials to Collector Arterials

Recommendation: That the City Council:

1. Conduct a public hearing;

2. Find and determine that the project is exempt from the California Environmental Quality Act (CEQA) pursuant to CEQA Guidelines Section 15061(b)(3) and 15378; and

3. Adopt a Resolution entitled: “A Resolution of the City Council of the City of Laguna Hills, California, Making a Determination that the Project is Exempt from CEQA under State CEQA Guidelines Section 15061(b)(3) and 15378, and Approving General Plan Amendment No. RZNE-0013-2024, a Minor Amendment to the General Plan Mobility Element to Modify Major and Secondary Arterials to Collector Arterials for Paseo de Valencia Between Alicia Parkway and Cabot Road, and Cabot Road Between Paseo de Valencia and El Paseo.”

Background:

On September 9, 2024, the OCTA approved the City of Laguna Hills ("City") request to amend the Master Plan of Arterial Highways (“MPAH”), a countywide transportation plan for Orange County to manage and improve the arterial highway network. The

amendment reclassified Paseo De Valencia from a Major (six-lane, divided) Arterial to a Divided Collector (two-lane, divided) Arterial between Alicia Parkway and La Paz Road, Paseo De Valencia from a Secondary (four-lane, undivided) Arterial to a Divided Collector (two-lane, divided) Arterial between La Paz Road and Cabot Road, and Cabot Road from a Secondary (four-lane, undivided) Arterial to a Divided Collector (two-lane, divided) Arterial between Paseo de Valencia and El Paseo. Final OCTA approval of the amended MPAH is contingent upon City approval of a General Plan Amendment to ensure that the City's Mobility Element is made consistent with the MPAH change.

Approval of the amendment to the Mobility Element does not include approval of any particular project nor physical changes to Paseo de Valencia and Cabot Road. However, the reclassification of the streets would allow the City access up to $5,000,000 of federal grant funding to contemplate a potential future construction project that must include a Class IV bike lane.

Proposed Amendments to the Mobility Element:

The proposed General Plan Amendment RZNE-0013-2024 includes minor text modifications to pages M-3, M-4, and M-6. Figure M-1 (page M-3) "Street Network" will be amended to outline the line drawn on the map designating the segment of Paseo De Valencia and Cabot Road as an undivided or divided Collector Arterial roadway ("General Plan Amendment" or "Project").

The proposed changes to the Mobility Element are outlined below:

- Figure M-1 Street Network – Map updated to reflect changes below (Page M-3)
- Paseo De Valencia (Alicia Pkwy – La Paz Rd) from a Major Six-Lane Divided Arterial to a Two-Lane Collector
    1. Adjustment under Major Arterials: Paseo de Valencia (El Toro Road to ~~La Paz Road~~ Alicia Parkway) (Page M-4)
- Paseo De Valencia (La Paz Rd – Cabot Rd) from a Secondary Four-Lane Undivided Arterial to a Two-Lane Collector
    1. Add Paseo de Valencia (La Paz Road Alicia Parkway to Cabot Road) as Collector Arterial (Page M-6)
- Cabot Road (Paseo De Valencia – El Paseo) from a Secondary Four-Lane Undivided Arterial to a Two-Lane Collector
    1. Adjust Primary Arterials: Cabot Road (La Paz to ~~Oso Parkway~~ Paseo de Valencia) (Page M-4)
    2. Add Collector Arterial: Cabot Road (Paseo de Valencia to El Paseo) (Page

M-6)

Public Hearing – June 24, 2025:

A public hearing for the General Plan Amendment was held by City Council on June 24, 2025. While the General Plan Amendment only provides the policy framework to conceptualize a project and does not include a specific physical project for approval, the public speakers at the hearing expressed concerns about the possibility of removing a driving lane in each direction on Paseo de Valencia. The City Council continued the public hearing to September 9, 2025, in order to allow a second public workshop to be scheduled.

Second Public Workshop – August 19, 2025:

The City hosted a second public workshop on August 19, 2025. The workshop displayed a revised conceptual rendering that maintained two lanes of travel each way along Paseo de Valencia. Majority of the attendees of the workshop were in support of a plan that maintained the existing number of driving lanes. At the workshop, City staff explained that the renderings were conceptual in nature; however, the renderings were specifically designed to garner public input for a project that could occur once the General Plan Amendment was approved.

Additional Public Outreach:

The City website was updated to provide an immediate link to the Mobility Element Amendment webpage where interested parties could locate information about the Amendment, the three conceptual renderings of roadway configurations, and frequently asked questions. Additionally, staff contacted Valencia School and Saddleback Valley School District to provide information about both workshops and the September 9, 2025, City Council public hearing.

Next Steps:

Should the City Council approve the amendment to the Mobility Element, City staff will continue to refine the scope of work that incorporates a Class IV bike lane along Paseo de Valencia and Cabot Road. Additionally, Staff will continue to engage the community to solicit feedback on a final design that addresses community needs and mitigates impacts to the furthest extent feasible. The design and due diligence phase of a project is anticipated to take approximately two years, inclusive of additional public workshops

for community feedback. Once a design is finalized, an official project will be presented to the City Council for review and approval at a public meeting.

Public Notice:

The notice of public hearing for the proposed Project was advertised in an adjudicated newspaper of general circulation on June 12, 2025. The public notice mailing radius line was extended beyond the standard 300-foot requirement and notices were mailed to all property owners within a 1,000-foot radius from affected public rights-of-way. Additional notices were mailed to all residential property owners located within the area bounded by Paseo de Valencia to the south, Interstate 5 freeway to the north, Alicia Parkway to the west, and Cabot Road to the east. A total of 2,551 public hearing notices were mailed. At the June 24, 2025, City Council meeting, the City Council continued the public hearing to September 9, 2025. To date, no comments have been received. Any written comments received will be distributed at the City Council Public Hearing.

Additionally, pursuant to California Senate Bill (SB) 18, the City of Laguna Hills provided notification to all tribes identified by the Native American Heritage Commission ("NAHC") as being traditionally and culturally affiliated with the area. In compliance with California Government Code Section 65352.3, the identified tribes were invited to consult with City staff about the Project. As detailed in SB 18, the request for consultation window was open for 90 days and ended on June 8, 2025. Staff received no request for consultation.

CEQA Findings:

Staff reviewed the proposed Project for compliance with the California Environmental Quality Act ("CEQA") and determined that the proposed Project is exempt from CEQA, pursuant to CEQA Guidelines Section 15061(b)(3) as there is no possibility that it may have a significant effect upon the environment; and under Section 15378, as the amendment is not a project under CEQA. The minor amendment to the Mobility Element of the General Plan includes text amendments to roadway classifications and the Street Network Map to ensure consistency with the Orange County Transportation Authority Master Plan of Arterial Highways. The amendment to the Mobility Element does not involve physical changes to the public rights-of-way nor cause a direct physical change in the environment because it does not authorize or otherwise approve any development, grading, ground disturbance, construction project, or other change to the physical environment.

Fiscal Impact:

Approval of this Minor General Plan Amendment preserves the City's ability to access up to $5,000,000 of federal grant funding for a potential future construction project.

Attachments:

1. Proposed Resolution of Approval
2. City Council Staff Report - June 24, 2025
3. Proposed Amended Street Network Map
4. Proposed Amended Mobility Element Pages (clean)
5. Proposed Amended Mobility Element Pages (redline)

EXHIBIT “C”

TITLE VI ASSURANCES

The U.S. Department of Transportation Order No.1050.2A requires all federal-aid Department of Transportation contracts between an agency and a consultant to contain the Appendices A and E of the Title VI Assurances, which are set forth herein. In addition, the Consultant must include the Title VI Assurances Appendices A and E, and, if applicable, Appendices B, C, and D in all subcontracts to perform work under the Agreement.

The clauses of Appendix B of this Assurance shall be included as a covenant running with the land, in any deed from the United States effecting or recording a transfer of real property, structures, use, or improvements thereon or interest therein to City.

The clauses set forth in Appendix C and Appendix D of this Assurance shall be included as a covenant running with the land, in any future deeds, leases, licenses, permits, or similar instruments entered into by the City with other parties:

a. for the subsequent transfer of real property acquired or improved under the applicable activity, project, or program; and

b. for the construction or use of, or access to, space on, over, or under real property acquired or improved under the applicable activity, project, or program.

APPENDIX A

During the performance of this Agreement, the Consultant, for itself, its assignees, and successors in interest (hereinafter collectively referred to as "CONSULTANT") agrees as follows:

a. *Compliance with Regulations: CONSULTANT shall comply with the regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the REGULATIONS), which are herein incorporated by reference and made a part of this Agreement.*

b. *Nondiscrimination: CONSULTANT, with regard to the Work performed by it during the Agreement, shall not discriminate on the grounds of race, color, sex, national origin, religion, age, or disability in the selection and retention of sub-applicants, including procurements of materials and leases of equipment. CONSULTANT shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the agreement covers a program set forth in Appendix B of the Regulations.*

c. *Solicitations for Sub-agreements, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by CONSULTANT for work to be performed under a Sub-agreement, including procurements of materials or leases of equipment, each potential sub-applicant or supplier shall be notified by CONSULTANT of the CONSULTANT'S obligations under this Agreement and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.*

d. *Information and Reports: CONSULTANT shall provide all information and reports required by the Regulations, or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the recipient or FHWA to be pertinent to ascertain compliance with such Regulations or directives. Where any information required of CONSULTANT is in the exclusive possession of another who fails or refuses to furnish this information, CONSULTANT shall so certify to the recipient or FHWA as appropriate, and shall set forth what efforts CONSULTANT has made to obtain the information.*

e. *Sanctions for Noncompliance: In the event of CONSULTANT's noncompliance with the nondiscrimination provisions of this Agreement, the City shall impose such Agreement sanctions as it or the FHWA may determine to be appropriate, including, but not limited to:*

    i. *withholding of payments to CONSULTANT under the Agreement within a reasonable period of time, not to exceed 90 days; and/or*

    ii. *cancellation, termination or suspension of the Agreement, in whole or in part.*

f. *Incorporation of Provisions: CONSULTANT shall include the provisions of paragraphs (1) through (6) in every sub-agreement, including procurements of materials and leases of*

equipment, unless exempt by the Regulations, or directives issued pursuant thereto.

CONSULTANT shall take such action with respect to any sub-agreement or procurement as the recipient or FHWA may direct as a means of enforcing such provisions including sanctions for noncompliance, provided, however, that, in the event CONSULTANT becomes involved in, or is threatened with, litigation with a sub-applicant or supplier as a result of such direction, CONSULTANT may request the recipient enter into such litigation to protect the interests of the State, and, in addition, CONSULTANT may request the United States to enter into such litigation to protect the interests of the United States.

APPENDIX B
CLAUSES FOR DEEDS TRANSFERRING UNITED STATES PROPERTY

The following clauses will be included in deeds effecting or recording the transfer of real property, structures, or improvements thereon, or granting interest therein from the United States pursuant to the provisions of Assurance 4:

NOW THEREFORE, the U.S. Department of Transportation as authorized by law and upon the condition that the recipient will accept title to the lands and maintain the project constructed thereon in accordance with Title 23 U.S.C., the regulations for the administration of the preceding statute, and the policies and procedures prescribed by the FHWA of the U.S. Department of Transportation in accordance and in compliance with all requirements imposed by Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation pertaining to and effectuating the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252; 42 U.S.C. § 2000d to 2000d-4), does hereby remise, release, quitclaim and convey unto the recipient all the right, title and interest of the U.S. Department of Transportation in and to said lands described in Exhibit A attached hereto and made a part hereof.

1. (HABENDUM CLAUSE)

TO HAVE AND TO HOLD said lands and interests therein unto the recipient and its successors forever, subject, however, to the covenants, conditions, restrictions and reservations herein contained as follows, which will remain in effect for the period during which the real property or structures are used for a purpose for which Federal financial assistance is extended or for another purpose involving the provision of similar services or benefits and will be binding on the recipient, its successors and assigns. The recipient, in consideration of the conveyance of said lands and interest in lands, does hereby covenant and agree as a covenant running with the land for itself, its successors and assigns, that (1) no person will on the grounds of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination with regard to any facility located wholly or in part on, over, or under such lands hereby conveyed [,] [and] (2) that the recipient will use the lands and interests in lands and interest in lands so conveyed, in compliance with all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations and Acts may be amended[, and (3) that in the event of breach of any of the above-mentioned non-discrimination conditions, the Department will have a right to enter or re-enter said lands and facilities on said lands, and that above described land and facilities will thereon revert to and vest in and become the absolute property of the U.S. Department of Transportation and its assigns as such interest existed prior to this instruction].* (*Reverter clause and related language to be used only when it is determined that such a clause is necessary in order to make clear the purpose of Title VI.)*

APPENDIX C
CLAUSES FOR TRANSFER OF REAL PROPERTY ACQUIRED OR IMPROVED UNDER THE ACTIVITY, FACILITY, OR PROGRAM

The following clauses will be included in deeds, licenses, leases, permits, or similar instruments entered into by the recipient pursuant to the provisions of Assurance 7(a):

A. *The (grantee, lessee, permittee, etc. as appropriate) for himself/herself, his/her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree [in the case of deeds and leases add "as a covenant running with the land"] that:*

    1. *In the event facilities are constructed, maintained, or otherwise operated on the property described in this (deed, license, lease, permit, etc.) for a purpose for which a U.S. Department of Transportation activity, facility, or program is extended or for another purpose involving the provision of similar services or benefits, the (grantee, licensee, lessee, permittee, etc.) will maintain and operate such facilities and services in compliance with all requirements imposed by the Acts and Regulations (as may be amended) such that no person on the grounds of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.*

B. *With respect to licenses, leases, permits, etc., in the event of breach of any of the above Non-discrimination covenants, the recipient will have the right to terminate the (lease, license, permit, etc.) and to enter, re-enter, and repossess said lands and facilities thereon, and hold the same as if the (lease, license, permit, etc.) had never been made or issued.**

C. *With respect to a deed, in the event of breach of any of the above Non-discrimination covenants, the recipient will have the right to enter or re-enter the lands and facilities thereon, and the above described lands and facilities will there upon revert to and vest in and become the absolute property of the recipient and its assigns.**

*(*Reverter clause and related language to be used only when it is determined that such a clause is necessary to make clear the purpose of Title VI.)*

APPENDIX D
CLAUSES FOR CONSTRUCTION/USE/ACCESS TO REAL PROPERTY ACQUIRED UNDER THE ACTIVITY, FACILITY OR PROGRAM

The following clauses will be included in deeds, licenses, permits, or similar instruments/agreements entered into by the recipient pursuant to the provisions of Assurance 7(b):

A. *The (grantee, licensee, permittee, etc., as appropriate) for himself/herself, his/her heirs, personal representatives, successors in interest ,and assigns, as a part of the consideration hereof, does hereby covenant and agree (in the case of deeds and leases add, "as a covenant running with the land") that (1) no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land, and the furnishings of services thereon, no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits or, or otherwise be subjected to discrimination, (3) that the (grantee, licensee, lessee, permittee, etc.) will use the premises in compliance with all other requirements imposed by or pursuant to the Acts and Regulations, as amended, set forth in this Assurance.*

B. *With respect to (licenses, leases, permits, etc.) in the event of breach of any of the above of the above Non-discrimination covenants, the recipient will have the right to terminate the (license, permits, etc., as appropriate) and to enter or re-enter and repossess said land and the facilities thereon, and hold the same as if said (license, permit, etc., as appropriate) had never been made or issued.**

C. *With respect to deeds, in the event of breach of any of the above Non-discrimination covenants, the recipient will there upon revert to and vest in and become the absolute property of the recipient and its assigns.*

APPENDIX E

During the performance of this Agreement, the CONSULTANT, for itself, its assignees, and successors in interest (hereinafter referred to as the "CONSULTANT") agrees to comply with the following non-discrimination statutes and authorities, including, but not limited to:

Pertinent Non-Discrimination Authorities:

- *Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.*
- *The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);*
- *Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), prohibits discrimination on the basis of sex;*
- *Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CR Part 27;*
- *The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), prohibits discrimination on the basis of age);*
- *Airport and Airway Improvement Act of 1982, (49 U.S.C. § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);*
- *The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);*
- *Titles II and III of the Americans with Disabilities Act, which prohibit discrimination of the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 – 12189) as implemented by Department of Transportation regulations 49 C.F.R. parts 37 and 38;*
- *The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);*
- *Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;*
- *Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);*
- *Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).*

EXHIBIT “D”

CALTRANS EXHIBIT 9-P: PROMPT PAYMENT CERTIFICATION

EXHIBIT 9-P: PROMPT PAYMENT CERTIFICATION

Section 7108.5 of the California Business and Professions Code (CBPC) requires a prime contractor or subcontractor (i.e. builders) to pay any subcontractor not later than seven (7) days after receipt of each progress payment received or final retention payment. Section 3321 of the California Civil Code (CCC) requires prime design professionals (prime consultants directly in contract with a public agency) to pay any subconsultant not later than fifteen (15) days after receipt of each progress payment or final retention payment. The payment cannot be delayed because of disagreements on other contracts. Any delay or postponement of payment among the parties may take place only for good cause with the agency's prior written approval. This requirement applies to both DBE and non-DBE subcontractors.

1. CONTRACT INFORMATION

(1) Prime Contractor/Consultant	(2) Local Agency	(3) Federal Project Number	(4) Local Contract Number	(5) Total Contract Award Amt ($)	(6) Total DBE Commitment Amt ($)	(7) DBE Commitment (%)	(8) DBE Contract Goal (%)	(9) Reporting Period (MM/YYYY)

2. PAYMENT INFORMATION

(10) Subcontractor/Subconsultant Name	(11) DBE Cert. Number	(12) Subcontract Type	(13) Date Payment Received by Prime	(14) Date of Prime Payment to Sub	(15) Amount of Payment ($)	(16) Amount Paid To Sub to Date ($)	(17) Total Committed to This Subcontractor ($)	(18) Promptly Paid? (Y/N)	(19) Incremental Retainage Paid? (Y/N)	(20) Comments or Reason for Non-Payment/Non-Prompt Payment, including Payment of incremental Retainage *
				Totals	$0.00	$0.00	$0.00			

List all first-tier subcontractors/subconsultants, whether or not the firms were originally listed in Exhibit 10-O2 or 15-G as a DBE commitment. If the actual DBE utilization was different than that approved at the time of award, provide comments in box (20). All payments reported, including payments to contractor/consultant, are for the date listed.

* Only reasons based on dispute on subcontractor or supplier noncompliance may be accepted.

3. CERTIFICATION

The prime contractor or consultant hereby certifies that the foregoing Prompt Payment

(21) Prime Contractor Manager's Signature

(22) Date

(25) Prime Contractor Manager's Name

(26) Phone

Local Agency certifies that all information in this form is complete and

(23) Local Agency Representative's Signature

(24) Date

(27) Local Agency Representative 's Name

(28) Phone

Exhibit 9-P Instructions

I. Purpose

Section 7108.5 of the California Business and Professions Code (CBPC) requires a prime contractor or subcontractor (i.e. builders) to pay any subcontractor not later than seven (7) days after receipt of each progress payment received or final retention payment. Section 3321 of the California Civil Code (CCC) requires prime design professionals (prime consultants directly in contract with a public agency) to pay any subconsultant not later than fifteen (15) days after receipt of each progress payment or final retention payment. The payment cannot be delayed because of disagreements on other contracts. Any delay or postponement of payment among the parties may take place only for good cause with the agency's prior written approval. This requirement applies to both DBE and non-DBE subcontractors.

II. Instruction

For projects that are awarded on or after September 1, 2023:

The prime contractor or consultant must submit Exhibit 9-P to the LPA administering the contract by the 15th of the month following the month of any payment(s). If the prime contractor or consultant does not make any payments to subcontractors, suppliers, and/or manufactures they must report "no payments were made to subs this month" and write this visibly and legibly on Exhibit 9-P.

A failure to complete the Prompt Pay reporting requirement may result in the withholding of the prime contractor or consultant's next progress payment and/or final payment. Additionally, Caltrans may require the LPA to issue a corrective action plan and /or it may require the LPA to suspend the contract in whole or in part if the prime or consultant does not make up the shortfall.

LPA must verify all Exhibit 9-P information, monitor compliance with prompt payment requirements for DBE and non-DBE firms, and address any shortfalls to the DBE commitment and prompt payment issues until the end of the project. The LPA must email a copy of Exhibit 9-P to DBE.Forms@dot.ca.gov before the end of the month after receiving the Exhibit 9-P from prime contractor or consultant.

1. CONTRACT INFORMATION

(1) **Prime Contractor/Consultant:** Enter the business name for the prime contractor/consultant.
(2) **Local Agency:** Enter the local agency name.
(3) **Federal Aid Project Number**: Enter the 7-digit federal-aid project number of the lead project on the contract. E.g. 5002(123) is a valid Federal-Aid Project Number.
(4) **Local Contract Number:** Enter the Local Agency contract number or identifier.
(5) **Total Contract Award Amount ($):** Enter the total contract award amount of the project.
(6) **Total Contract DBE Commitment Amount ($):** Enter the total DBE commitment award amount of the project as it appears on Exhibit 10-O2 or Exhibit 15-G.
(7) **DBE Commitment (%):** Enter percentage of the Prime contract committed to DBE firms as it appears on Exhibit 10-O2 or Exhibit 15-G.
(8) **DBE Contract Goal (%):** Enter the contract DBE goal percentage as it appears on the project advertisement.
(9) **Reporting Period (Month-Year):** Indicate the month and year of payments being reported.

2. PAYMENT INFORMATION

(10) **Subcontractor/Subconsultant name:** Enter subcontractor/consultant firm's name.
(11) **DBE Cert. Number**: List the DBE's certification number as listed in the California Unified Certification Program (CUCP) database.
(12) **Subcontract Type**: Enter the most appropriate Subcontractor's contract type.

(13) **Date of Payment Received by Prime**: Enter date when a check is issued by LPA to the prime contractor/consultant for work performed by the contractor/consultant.

(14) **Date of Prime Payment to Sub**: Enter date when a check is issued by prime to the subcontractor/subconsultant for work performed by the subcontractor/subconsultant.

(15) **Amount of Payment ($)**: Enter the total amount paid to the subcontractor this period.

(16) **Amount Paid to Sub to Date ($)**: Enter the total amount paid to this subcontractor to date. This should be a total of past payments plus payment for the current work just invoiced to the Local Agency.

(17) **Total amount committed to this subcontractor ($)**: Enter the total amount committed to this subcontractor, copy the information from the agency signed Exhibit 10-O2 or 15-G.

(18) **Promptly Paid? (Y/N**): Enter "Y" if payment was made in accordance with the contract. Enter "N" if it's in dispute. Must provide comments regarding any dispute of payment.

(19) **Incremental Retainage Paid? (Y/N)**: Enter "Y" if this payment was a retainage payment. Enter "N" if this was a progress or final payment.

(20) **Comments or Reason for Non-Payment/Non-Prompt Payment, including Payment of Incremental Retainage ***: Only reasons based on dispute with subcontractor or supplier noncompliance may be accepted. Add appropriate notes if a DBE subcontract was terminated, a DBE subcontract was added, if change orders impacted the DBE's payments (include good faith efforts the prime contractor/consultant implemented), if task orders weren't issued, etc.

3. CERTIFICATION

(21) **Prime Contractor Manager's Signature**: Self explanatory

(22) **Date**: Provide the date Prime Contractor Manager signed this form.

(23) **Local Agency Presentative's Signature**: Self explanatory.

(24) **Date**: Provide the date Local Agency Presentative signed this form.

(25) **Prime Contractor Manager's Name**: Self explanatory.

(26) **Phone**: Self explanatory

(27) **Local Agency Presentative's Name**: Self explanatory.

(28) **Phone**: Self explanatory

EXHIBIT “E”

CALTRANS MASTER AGREEMENT AND PROGRAM SUPPLEMENT

MASTER AGREEMENT ADMINISTERING AGENCY-STATE AGREEMENT
STATE-FUNDED PROJECTS
12 City of Laguna Hills District Administering Agency

Agreement No. 12-5468521

This AGREEMENT, is entered into effective this 18 th day of June , 20 24, by and between the City of Laguna Hills, hereinafter referred to as "ADMINISTERING AGENCY," and the State of California, acting by and through its Department of Transportation (Caltrans), hereinafter referred to as "STATE", and together referred to as "PARTIES" or individually as a "PARTY."

RECITALS:

1. **WHEREAS, the Legislature of the State of California has enacted legislation by which certain State funds are made available for use on local transportation related projects of public entities qualified to act as recipients of these state funds; and**
2. **WHEREAS, ADMINISTERING AGENCY has applied to the California Transportation Commission (CTC) and/or STATE for funding from a State-funded program (herein referred to as STATE FUNDS), as defined in the Local Assistance Program Guidelines (LAPG) and/or in the respective CTC Guidelines, for use on local authorized transportation related projects as a local administered project(s), hereinafter referred to as "PROJECT"; and**
3. **WHEREAS, said PROJECT will not receive any federal funds; and**
4. **WHEREAS, before STATE FUNDS will be made available for PROJECT, ADMINISTERING AGENCY and STATE are required to enter into an agreement to establish terms and conditions applicable to the ADMINISTERING AGENCY when receiving STATE FUNDS for a designated PROJECT facility and to the subsequent operation and maintenance of that completed facility.**

NOW, THEREFORE, the PARTIES agree as follows:

ARTICLE I - PROJECT ADMINISTRATION

1. **This AGREEMENT shall have no force or effect with respect to any program project unless and until a project- specific Program Supplement to this AGREEMENT for state funded projects, hereinafter referred to as "PROGRAM SUPPLEMENT", has been fully executed by both STATE and ADMINISTERING AGENCY.**
2. **The State approved project-specific allocation notification letter and approved CTC allocation documentation designate the party responsible for implementing PROJECT, type of work, and location of PROJECT for projects requiring CTC allocation by PROJECT component of work.**

3. **The PROGRAM SUPPLEMENT sets out special covenants as a condition for the ADMINISTERING AGENCY to receive STATE FUNDS from/through STATE for designated PROJECT. The PROGRAM SUPPLEMENT shall also show these STATE FUNDS that have been initially encumbered for PROJECT along with the matching funds to be provided by ADMINISTERING AGENCY and/or others. Execution of PROGRAM SUPPLEMENT by the PARTIES shall cause ADMINISTERING AGENCY to adopt all the terms of this AGREEMENT as though fully set forth therein in the PROGRAM SUPPLEMENT. Unless otherwise expressly delegated in a resolution by the governing body of ADMINISTERING AGENCY, and with written concurrence by STATE, the PROGRAM SUPPLEMENT shall be approved and managed by the governing body of ADMINISTERING AGENCY.**
4. **ADMINISTERING AGENCY agrees to execute and return each project-specific PROGRAM SUPPLEMENT. The PARTIES agree that STATE may suspend future allocations, encumbrances and invoice payments for any on- going or future STATE FUNDED PROJECT performed by ADMINISTERING AGENCY if any project-specific PROGRAM SUPPLEMENT is not returned, unless otherwise agreed by STATE in writing.**
5. **ADMINISTERING AGENCY further agrees, as a condition to the release and payment of STATE FUNDS encumbered for the PROJECT described in each PROGRAM SUPPLEMENT, to comply with the terms and conditions of this AGREEMENT and all the agreed-upon Special Covenants or Remarks incorporated within the PROGRAM SUPPLEMENT, and Cooperative/Contribution Agreement where appropriate, defining and identifying the nature of the specific PROJECT.**
6. **STATE FUNDS will not participate in any portion of PROJECT work performed in advance of the effective date of allocation by CTC, or by STATE for allocations delegated to STATE by CTC, for said PROJECT.**
7. **Projects allocated with STATE FUNDS will be administered in accordance with the current CTC STIP Guidelines, applicable chapter(s) of the LAPG, LAPM and/or any other instructions published by STATE.**
8. **ADMINISTERING AGENCY agrees to ensure compliance with all relevant State laws and requirements for work related to PROJECT, including the California Environmental Quality Act (CEQA).**
9. **ADMINISTERING AGENCY'S eligible costs for preliminary engineering work includes all preliminary work directly related to PROJECT up to contract award for construction, including, but not limited to, environmental studies and permits (E&P), preliminary surveys and reports, laboratory work, soil investigations, the preparation of plans, specifications and estimates (PS&E), advertising for bids, awarding of a contract and project development contract administration.**

10. **ADMINISTERING AGENCY's eligible costs for construction engineering include actual inspection and supervision of PROJECT construction work; construction staking; laboratory and field testing; and the preparation and processing of field reports, records, estimates, final reports, and allowable expenses of employees/consultants engaged in such activities.**
11. **Unless the PARTIES agree otherwise in writing, ADMINISTERING AGENCY'S employees or its contracted engineering consultant shall be responsible for all PROJECT engineering work.**
12. **ADMINISTERING AGENCY shall not proceed with final design of PROJECT until final environmental approval of PROJECT. Final design entails the design work necessary to complete the PS&E and other work necessary for a construction contract but not required earlier for environmental clearance of that PROJECT.**
13. **If PROJECT is not on STATE-owned right-of-way, PROJECT shall be constructed in accordance with Chapter 11 of the LAPM that describes minimum statewide design standards for local agency streets and rqads. The design standards for projects *off* the National Highway System (NHS) allow STATE to accept either the current Caltrans Highway Design Manual standards, the current FHWA-adopted American Association of State Highway and Transportation Officials (AASHTO) A Policy on Geometric Design of Highways and Streets standards, or the approved geometric design standards of ADMINISTERING AGENCY. Additionally, for projects *off* the NHS, STATE will accept ADMINISTERING AGENCY-approved standard specifications, standard plans, materials sampling and testing quality assurance programs that meet the conditions described in the then current Local Assistance Procedures Manual.**
14. **If PROJECT involves work within or partially within STATE-owned right-of-way, that PROJECT shall also be subject to compliance with the policies, procedures and standards of the STATE Project Development Procedures Manual and Highway Design Manual and where appropriate, an executed cooperative agreement between STATE and ADMINISTERING AGENCY that outlines the PROJECT responsibilities and respective obligations of the PARTIES. ADMINISTERING AGENCY and its contractors shall each obtain an encroachment permit through STATE prior to commencing any work within STATE rights-of-way or work which affects STATE facilities.**
15. **When PROJECT is not on the State Highway System (SHS) but includes work to be performed by a railroad, the contract for such work shall be prepared by ADMINISTERING AGENCY or by STATE, as the PARTIES may hereafter agree. In either event, ADMINISTERING AGENCY shall enter into an agreement with the railroad providing for future maintenance of protective devices or other facilities installed under the contract.**
16. **ADMINISTERING AGENCY shall comply with the provisions of sections 4450 and 4454 of the California Government Code, as well as other Department of General Services guidance, if applicable, for the contract PS&E for the construction of buildings, structures, sidewalks, curbs and related facilities for accessibility and usability. Further requirements and guidance are provided in Title 24 of the California Code of Regulations.**
17. **ADMINISTERING AGENCY shall provide a full-time public employee to be in responsible charge of each PROJECT. ADMINISTERING AGENCY shall provide or arrange for adequate supervision and inspection of each PROJECT. ADMINISTERING AGENCY may utilize consultants to perform supervision and inspection work for PROJECT with a**

fully qualified and licensed engineer. Utilization of consultants does not relieve ADMINISTERING AGENCY of its obligation to provide a full-time public employee to be in responsible charge of each PROJECT.

18. **Unless otherwise provided in the PROGRAM SUPPLEMENT, ADMINISTERING AGENCY shall advertise, award, and administer the PROJECT construction contract or contracts.**
19. **The cost of maintenance, security, or protection performed by ADMINISTERING AGENCY or contractor forces during any temporary suspension of PROJECT or at any other time may not be charged to the PROJECT.**
20. **ADMINISTERING AGENCY shall submit PROJECT-specific award information to STATE's District Local Assistance Engineer, within sixty (60) days after contract award.**
21. **ADMINISTERING AGENCY shall submit the final report documents that collectively constitute a "Final Project Expenditure Report", LAPM Exhibit 17-M, within one hundred eighty (180) days of PROJECT completion. Failure by ADMINISTERING AGENCY to submit a "Final Project Expenditure Report", within 180 days of project completion will result in STATE imposing sanctions upon ADMINISTERING AGENCY in accordance with the Local Assistance Procedures Manual.**
22. **ADMINISTERING AGENCY shall comply with the Americans with Disabilities Act (ADA) of 1990 that prohibits discrimination on the basis of disability and all applicable regulations and guidelines issued pursuant to the ADA.**
23. **The Governor and the Legislature of the State of California, each within their respective jurisdictions, have prescribed certain nondiscrimination requirements with respect to contract and other work financed with public funds. ADMINISTERING AGENCY agrees to comply with the requirements of the FAIR EMPLOYMENT PRACTICES ADDENDUM, attached hereto as Exhibit A and further agrees that any agreement entered into by ADMINISTERING AGENCY with a third party for performance of work connected with PROJECT shall incorporate Exhibit A (with third party's name replacing ADMINISTERING AGENCY) as parts of such agreement.**
24. **ADMINISTERING AGENCY shall include in all contracts and subcontracts awarded when applicable, a clause that requires each subcontractor to comply with California Labor Code requirements that all workers employed on public works aspects of any project (as defined in California Labor Code sections 1720-1815) be paid not less than the general prevailing wage rates predetermined by the Department of Industrial Relations as effective at the date of contract award by the ADMINISTERING AGENCY.**

ARTICLE II - RIGHTS-OF-WAY

1. **No contract for the construction of a STATE FUNDED PROJECT shall be awarded until all necessary rights of way have been secured. Prior to the advertising for construction of PROJECT, ADMINISTERING AGENCY shall certify and, upon request, shall furnish STATE with evidence that all necessary rights-of-way are available for construction purposes or will be available by the time of award of the construction contract.**
2. **The furnishing of rights of way by ADMINISTERING AGENCY as provided for herein includes, and is limited to, the following, unless the PROGRAM SUPPLEMENT provides otherwise.**
   (a) **Expenditures of capital and support to purchase all real property required for**

PROJECT free and clear of liens, conflicting easements, obstructions and encumbrances, after crediting PROJECT with the fair market value of any excess property retained and not disposed of by ADMINISTERING AGENCY.

(b) **The cost of furnishing of right-of-way as provided for herein includes, in addition to real property required for the PROJECT, title free and clear of obstructions and encumbrances affecting PROJECT and the payment, as required by applicable law, of damages to owners of remainder real property not actually taken but injuriously affected by PROJECT.**

(c) **The cost of relocation payments and services provided to owners and occupants pursuant to Government Code sections 7260-7277 when PROJECT displaces an individual, family, business, farm operation or nonprofit organization.**

(d) **The cost of demolition and/or the sale of all improvements on the right-of-way after credit is recorded for sale proceeds used to offset PROJECT costs.**

(e) **The cost of all unavoidable utility relocation, protection or removal.**

(f) **The cost of all necessary hazardous material and hazardous waste treatment, encapsulation or removal and protective storage for which ADMINISTERING AGENCY accepts responsibility and where the actual generator cannot be identified, and recovery made.**

3. **ADMINISTERING AGENCY agrees to indemnify and hold STATE harmless from any liability that may result in the event the right-of-way for a PROJECT is not clear as certified by ADMINISTERING AGENCY, including, but not limited to, if said right-of-way is found to contain hazardous materials requiring treatment or removal to remediate in accordance with Federal and State laws. ADMINISTERING AGENCY shall pay, from its own non- matching funds, any costs which arise out of delays to the construction of PROJECT because utility facilities have not been timely removed or relocated, or because rights-of-way were not available to ADMINISTERING AGENCY for the orderly prosecution of PROJECT work.**

ARTICLE 111 - MAINTENANCE AND MANAGEMENT

1. **ADMINISTERING AGENCY will maintain and operate the property acquired, developed, constructed, rehabilitated, or restored by PROJECT for its intended public use until such time as the parties might amend this AGREEMENT to otherwise provide. With the approval of STATE, ADMINISTERING AGENCY or its successors in interest in the PROJECT property may transfer this obligation and responsibility to maintain and operate PROJECT property for that intended public purpose to another public entity.**
2. **Upon ADMINISTERING AGENCY'S acceptance of the completed construction contract or upon contractor being relieved of the responsibility for maintaining and protecting PROJECT, ADMINISTERING AGENCY will be responsible for the maintenance, ownership, liability, and the expense thereof, for PROJECT in a manner satisfactory to the authorized representatives of STATE and if PROJECT falls within the jurisdictional limits of another Agency or Agencies, it is the duty of ADMINISTERING AGENCY to facilitate a separate maintenance agreement(s) between itself and the other jurisdictional Agency or Agencies providing for the operation, maintenance, ownership and liability of PROJECT. Until those agreements are executed, ADMINISTERING AGENCY will be responsible for all PROJECT operations, maintenance, ownership and liability in a manner satisfactory to the authorized representatives of STATE. If, within ninety (90) days after receipt of notice from STATE that a PROJECT, or any portion thereof, is not**

being properly operated and maintained and ADMINISTERING AGENCY has not satisfactorily remedied the conditions complained of, the approval of future STATE FUNDED PROJECTS of ADMINISTERING AGENCY will be withheld until the PROJECT shall have been put in a condition of operation and maintenance satisfactory to STATE. The provisions of this section shall not apply to a PROJECT that has been vacated through due process of law with STATE's concurrence.

3. **PROJECT and its facilities shall be maintained by an adequate and well-trained staff of engineers and/or such other professionals and technicians as PROJECT reasonably requires. Said operations and maintenance staff may be employees of ADMINISTERING AGENCY, another unit of government, or a contractor under agreement with ADMINISTERING AGENCY. All maintenance will be performed at regular intervals or as required for efficient operation of the complete PROJECT improvements.**
4. **ADMINISTERING AGENCY shall comply with all applicable law, including but not limited to, all applicable legal authority regarding construction standards.**

ARTICLE IV - FISCAL PROVISIONS

1. **All contractual obligations of STATE are subject to the appropriation of resources by the Legislature and the allocation of resources by the CTC.**
2. **STATE'S financial commitment of STATE FUNDS will occur only upon the execution of this AGREEMENT, the execution of each project-specific PROGRAM SUPPLEMENT and/or STATE's approved finance letter.**
3. **ADMINISTERING AGENCY agrees, as a minimum, to submit invoices in arrears for reimbursement of allowable PROJECT costs at least once every six months commencing after the STATE FUNDS are encumbered on either the project-specific PROGRAM SUPPLEMENT or through a project-specific finance letter approved by STATE·. STATE reserves the right to suspend future allocations and invoice payments for any on-going or future STATE FUNDED project performed by ADMINISTERING AGENCY if PROJECT costs have not been invoiced by ADMINISTERING AGENCY for a six- month period**
4. **Invoices shall be submitted on a standardized billing summary template, in accordance with Chapter 5 of the LAPM to claim reimbursement by ADMINISTERING AGENCY. For construction invoices, pay estimates must be included.**
5. **ADMINISTERING AGENCY must retain at least one copy of supporting backup documentation for allowable costs incurred and claimed for reimbursement by ADMINISTERING AGENCY. ADMINISTERING AGENCY agrees to submit supporting backup documentation with invoices if requested by State. Acceptable backup documentation includes, but is not limited to, agency's progress payment to the contractors, copies of cancelled checks showing amounts made payable to vendors and contractors, and/or a computerized summary of PROJECT costs.**
6. **Payments to ADMINISTERING AGENCY can only be released by STATE as reimbursements of actual allowable PROJECT costs already incurred and paid for by the ADMINISTERING AGENCY.**
7. **Indirect Cost Allocation Plans/Indirect Cost Rate Proposals (ICAP/IC RP), Central Service Cost Allocation Plans and related documentation are to be prepared and provided to the Inspector General - Independent Office of Audits and Investigations for review and approval prior to ADMINISTERING AGENCY seeking reimbursement of**

indirect cost incurred within each fiscal year being claimed for reimbursement. ICAPs/lCRPs must be prepared in accordance with the requirements set forth in 2 CFR, Part 200, Chapter 5 of the LAPM, and the ICAP/ICRP approval procedures established by STATE.

8. **STATE will withhold the greater of either two (2) percent of the total of all STATE FUNDS encumbered for each PROGRAM SUPPLEMENT or $40,000 until ADMINISTERING AGENCY submits the Final Report of Expenditures for each completed PROGRAM SUPPLEMENT PROJECT.**
9. **The estimated total cost of PROJECT, the amount of STATE FUNDS obligated, and the required matching funds may be adjusted by mutual consent of the PARTIES with a finance letter, and an allocation notification letter when applicable. STATE FUNDING may be increased to cover PROJECT cost increases only if such additional funds are available and the CTC and/or STATE concurs with that increase in the form of an allocation and 'finance letter.**
10. **When such additional STATE FUNDS are not available, ADMINISTERING AGENCY agrees that any increases in PROJECT costs must be defrayed with ADMINISTERING AGENCY'S own funds.**

11. **ADMINISTERING AGENCY shall use its own non-STATE FUNDS to finance the local share of eligible costs and all PROJECT expenditures or contract items ruled ineligible for financing with STATE FUNDS. STATE shall make the final determination of ADMINISTERING AGENCY'S cost eligibility for STATE FUNDED financing with respect to claimed PROJECT costs.**
12. **ADMINISTERING AGENCY will reimburse STATE for STATE's share of costs for work performed by STATE at the request of ADMINISTERING AGENCY. STATE's costs shall include overhead assessments in accordance with section 8755.1 of the State Administrative Manual.**
13. **STATE FUNDS allocated by the CTC and/or STATE are subject to the timely use of funds provisions approved in CTC Guidelines and State procedures approved by the CTC and STATE.**
14. **STATE FUNDS encumbered for PROJECT are available for liquidation only for a limited period from the beginning of the State fiscal year when those funds were appropriated in the State Budget. STATE FUNDS not liquidated within these periods will be reverted unless a Cooperative Work Agreement (CWA) is submitted by ADMINISTERING AGENCY and approved by the California Department of Finance in accordance with Section 16304 of the Government Code. The exact date of fund reversion will be reflected in the STATE signed PROJECT finance letter.**
15. **Payments to ADMINISTERING AGENCY for PROJECT-related travel and subsistence (per diem) expenses of ADMINISTERING AGENCY forces and its contractors and subcontractors claimed for reimbursement or as local match credit shall not exceed rates authorized to be paid to rank and file STATE employees under current California Department of Human Resources (CalHR) rules unless a Cooperative Work Agreement (CWA) is submitted by ADMINISTERING AGENCY and approved by the California Department of Finance in accordance with Government Code section 16304. If the rates invoiced by ADMINISTERING AGENCY are in excess of CalHR rates, ADMINISTERING AGENCY is responsible for the cost difference, and any overpayments inadvertently paid by STATE shall be reimbursed to STATE by ADMINISTERING AGENCY on demand.**

16. **ADMINISTERING AGENCY agrees to comply with California Government Code 4525-4529.14. Administering Agency shall undertake the procedures described in California Government Code 4527(a) and 4528(a). Administering Agency shall also comply with**

2 CFR Part 200 Uniform Administrative Requirements, Cost Principles and Audit Requirement for Federal Awards, excluding 2 CFR Part 200.318-200.326.

17. **ADMINISTERING AGENCY agrees and will assure that its contractors and subcontractors will be obligated to agree that Contract Cost Principles and Procedures, 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31, et seq., shall be used to determine the allowability of individual PROJECT cost items. Every recipient and sub-recipient receiving PROJECT funds under this AGREEMENT shall comply with Federal administrative procedures in accordance with 2 CFR, Part 200, Uniform Administrative Requirements, Cost Principles and Audit Requirement for Federal Awards, excluding 2 CFR Part 200.318-200.326Governments. ADMINISTERING AGENCY agrees to comply with the provisions set forth in 23 CFR Parts 140, 645 and 646 when contracting with railroad and utility companies.**
18. **Every recipient and sub-recipient receiving PROJECT funds under this AGREEMENT shall comply with 2 CFR 200 excluding 2 CFR Part 200.318-200.326, 48 CFR Chapter 1, Part 31, LAPM, Public Contract Code (PCC) 10300- 10334 (procurement of goods), PCC 10335-10381 (non-A&E services), California Government Code 4525-4529.5 including 4527(a) and 4528(a), and other applicable STATE regulations.**
19. **Any PROJECT costs for which ADMINISTERING AGENCY has received payment or credit that are determined by subsequent audit to be questioned, disallowed, or unallowable under 2 CFR, Part 200, 48 CFR, Chapter 1, Part 31, 23 CFR Parts 140, 645 and 646, LAPM, Public Contract Code (PCC) 10300-10334 (procurement of goods), PCC 10335-10381 (non-A&E services), California Government Code 4525-4529.5 including 4527(a) and 4528(a), and other applicable STATE regulations are subject to repayment by ADMINISTERING AGENCY to STATE and may result in STATE imposing sanctions on ADMINISTERING AGENCY as described in Chapter 20 of the Local Assistance Procedures Manual.**
20. **Should ADMINISTERING AGENCY fail to refund any moneys due upon written demand by STATE as provided herein or should ADMINISTERING AGENCY breach this AGREEMENT by failing to complete PROJECT without adequate justification and approval by STATE, then, within thirty (30) days of demand, or within such other period as may be agreed to in writing between the PARTIES hereto, STATE, acting through the State Controller, the State Treasurer, the CTC or any other public entity or agency, may intercept, withhold and demand the transfer of an amount equal to the amount paid by or owed to STATE for each PROJECT, from future apportionments, or any other funds due ADMINISTERING AGENCY from the Highway Users Tax Fund or any other sources of funds, and/or may also withhold approval of future STATE FUNDED projects proposed by ADMINISTERING AGENCY.**
21. **Should ADMINISTERING AGENCY be declared to be in breach of this AGREEMENT or otherwise in default thereof by STATE, and if ADMINISTERING AGENCY is constituted as a joint powers authority, special district, or any other public entity not directly receiving funds through the State Controller, STATE is authorized to obtain reimbursement from whatever sources of funding are available, including the withholding or transfer of funds, from those constituent entities comprising a joint powers authority or by bringing of an action against ADMINISTERING AGENCY or its constituent member entities, to recover all funds provided by STATE hereunder.**

22. **ADMINISTERING AGENCY acknowledges that the signatory party represents the ADMINISTERING AGENCY and further warrants that there is nothing within a Joint Powers Agreement, by which ADMINISTERING AGENCY was created, if any exists, that would restrict or otherwise limit STATE's ability to recover STATE FUNDS improperly spent by ADMINISTERING AGENCY in contravention of the terms of this AGREEMENT.**

ARTICLE V
AUDITS, THIRD PARTY CONTRACTING, RECORDS RETENTION AND REPORTS

1. **STATE reserves the right to conduct technical and financial audits of PROJECT work and records and ADMINISTERING AGENCY agrees, and shall require its contractors and subcontractors to agree, to cooperate with STATE by making all appropriate and relevant PROJECT records available for audit and copying as required by paragraph three (3) of Article V.**
2. **ADMINISTERING AGENCY, its contractors and subcontractors shall establish and maintain a financial management system and records that properly accumulate and segregate reasonable, allowable, and allocable incurred PROJECT costs and matching funds by line item for the PROJECT. The financial management system of ADMINISTERING AGENCY, its contractors and all subcontractors shall conform to Generally Accepted Accounting Principles, enable the determination of incurred costs at interim points of completion, and provide support for reimbursement payment vouchers or invoices sent to or paid by STATE.**
3. **ADMINISTERING AGENCY, ADMINISTERING AGENCY'S contractors and subcontractors, and STATE shall each maintain and make available for inspection and audit by STATE, the California State Auditor, or any duly authorized representative of STATE or the United States, all books, documents, papers, accounting records, and other evidence pertaining to the performance of such contracts, including, but not limited to, the costs of administering those various contracts, and ADMINISTERING AGENCY shall furnish copies thereof if requested. All of the above-referenced parties shall make such AGREEMENT and PROGRAM SUPPLEMENT materials available at their respective offices at all reasonable times during the entire PROJECT period and for three (3) years, or 35 years for Prop 1B funds, from the date of final payment to ADMINISTERING AGENCY.**
4. **ADMINISTERING AGENCY shall not award a construction contract over $25,000 on the basis of a noncompetitive negotiation for work to be performed under this AGREEMENT without the prior written approval of STATE. All contracts awarded by ADMINISTERING AGENCY intended or used as local match credit must meet the requirements set forth in this AGREEMENT regarding local match funds.**
5. **ADMINISTERING AGENCY shall comply with Chapter 10 (commencing with Section 4525) Division 5 of Title 1 of the Government Code and shall undertake the procedures described in California Government Code 4527(a) and 4528(a). Administering Agency shall comply with Chapter 10 of the LAPM for AE Consultant Contracts.**
6. **ADMINISTERING AGENCY shall comply with Government Code Division 5 Title 1 sections 4525-4529.5 and shall undertake the procedures described in California Government Code 4527(a) and 4528(a) for procurement of professional service contracts. Administering Agency shall follow Public Contract Code Section 10335- 10381 for other professional service contracts.**

7. **Any subcontract entered into by ADMINISTERING AGENCY as a result of this AGREEMENT shall contain all of the provisions of Article IV, FISCAL PROVISIONS, and this ARTICLE V, AUDITS, THIRD-PARTY CONTRACTING, RECORDS RETENTION AND**

REPORTS and shall mandate that travel and per diem reimbursements and third- party contract reimbursements to subcontractors will be allowable as PROJECT costs only after those costs are incurred and paid for by the subcontractors.

8. **To be eligible for local match credit, ADMINISTERING AGENCY must ensure that local match funds used for a PROJECT meet the fiscal provisions requirements outlined in ARTICLE IV in the same manner that is required of all other PROJECT expenditures.**
9. **Except as provided in this Article, this AGREEMENT is solely between and for the benefit of the PARTIES and there are no third-party beneficiaries.**

ARTICLE VI - MISCELLANEOUS PROVISIONS

1. **ADMINISTERING AGENCY agrees to use all PROJECT funds reimbursed hereunder only for transportation purposes that are in conformance with Article XIX of the California State Constitution and other California laws.**
2. **ADMINISTERING AGENCY shall conform to all applicable State and Federal statutes and regulations, and the Local Assistance Program Guidelines and Local Assistance Procedures Manual as published by STATE and incorporated herein, including all subsequent approved revisions thereto applicable to PROJECT unless otherwise designated in the project-specific executed PROJECT SUPPLEMENT.**
3. **This AGREEMENT is subject to any additional restrictions, limitations, conditions, or any statute enacted by the State Legislature or adopted by the CTC that may affect the provisions, terms, or funding of this AGREEMENT in any manner.**
4. **ADMINISTERING AGENCY and the officers and employees of ADMINISTERING AGENCY, when engaged in the performance of this AGREEMENT, shall act in an independent capacity and not as officers, employees or agents of STATE.**
5. **Each project-specific PROGRAM SUPPLEMENT shall separately establish the terms and funding limits for each described PROJECT funded under this AGREEMENT and that PROGRAM SUPPLEMENT. No STATE FUNDS are obligated against this AGREEMENT.**
6. **ADMINISTERING AGENCY certifies that neither ADMINISTERING AGENCY nor its principals are suspended or debarred at the time of the execution of this AGREEMENT, and ADMINISTERING AGENCY agrees that it will notify STATE immediately in the event a suspension or a debarment occurs after the execution of this AGREEMENT.**
7. **ADMINISTERING AGENCY certifies, by execution of this AGREEMENT, that no person or selling agency has been employed or retained to solicit or secure this AGREEMENT upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by ADMINISTERING AGENCY for the purpose of securing business. For breach or violation of this warranty, STATE has the right to annul this AGREEMENT without liability, pay only for the value of the PROJECT work actually performed, or in STATE'S discretion, to deduct from the price of PROGRAM SUPPLEMENT consideration, or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fee.**

8. **In accordance with Public Contract Code section 10296, ADMINISTERING AGENCY hereby certifies under penalty of perjury that no more than one final unappealable finding of contempt of court by a federal court has been issued against ADMINISTERING AGENCY within the immediate preceding two (2) year period because of ADMINISTERING AGENCY'S failure to comply with an order of a federal court that orders ADMINISTERING AGENCY to comply with an order of the National Labor Relations Board.**
9. **ADMINISTERING AGENCY shall disclose any financial, business, or other relationship with STATE that may have an impact upon the outcome of this AGREEMENT or any individual PROJECT encompassed within a PROGRAM SUPPLEMENT. ADMINISTERING AGENCY shall also list current contractors who may have a financial interest in the outcome of a PROJECT undertaken pursuant to this AGREEMENT. These disclosures shall be delivered to STATE in a form deemed acceptable by the STATE prior to execution of this AGREEMENT.**

10. **ADMINISTERING AGENCY hereby certifies that it does not have, nor shall it acquire, any financial or business interest that would conflict with the performance of any PROJECT initiated under this AGREEMENT.**

11. **ADMINISTERING AGENCY certifies that this AGREEMENT was not obtained or secured through rebates, kickbacks or other unlawful consideration either promised or paid to any STATE employee. For breach or violation of this warranty, STATE shall have the right, in its sole discretion, to terminate this AGREEMENT without liability, to pay only for PROJECT work actually performed, or to deduct from a PROGRAM SUPPLEMENT price or otherwise recover the full amount of such rebate, kickback, or other unlawful consideration.**
12. **Any dispute concerning a question of fact arising under this AGREEMENT that is not disposed of by agreement shall be decided by the STATE's Contract Manager, who shall be identified to ADMINISTERING AGENCY at the time of execution of this AGREEMENT and, as applicable , any time that Contract Manager changes during the duration of this AGREEMENT who may consider any written or verbal evidence submitted by ADMINISTERING AGENCY. The decision of the Contract Manager, issued in writing, shall be conclusive and binding on the PARTIES on all questions of fact considered and determined by the Contract Manager.**
13. **Neither the pendency of a dispute nor its consideration by the Contract Manager will excuse the ADMINISTERING AGENCY from full and timely performance in accordance with the terms of this AGREEMENT and each PROGRAM SUPPLEMENT.**
14. **Neither STATE nor any officer or employee thereof is responsible for any injury, damage or liability occurring by reason of anything done or omitted to be done by ADMINISTERING AGENCY under or in connection with any work, authority or jurisdiction of ADMINISTERING AGENCY arising under this AGREEMENT. It is understood and agreed that ADMINISTERING AGENCY shall fully defend, indemnify and save harmless STATE and all of its officers and employees from all claims and suits or actions of every name, kind and description brought forth under, including but not limited to, tortious, contractual, inverse condemnation or other theories or assertions of liability occurring by reason of anything done or omitted to be done by ADMINISTERING AGENCY under this AGREEMENT.**
15. **Neither ADMINISTERING AGENCY nor any officer or employee thereof is responsible for any injury, damage or liability occurring by reason of anything done or omitted to be done by STATE, under or in connection with any work, authority or**

jurisdiction arising under this AGREEMENT. It is understood and agreed that STATE shall fully defend, indemnify and save harmless the ADMINISTERING AGENCY and all of its officers and employees from all claims, suits or actions of every name, kind and description brought forth under, including but not limited to, tortious, contractual, inverse condemnation and other theories or assertions of liability occurring by reason of anything done or omitted to be done by STATE under this AGREEMENT.

16. **In the event of (a} ADMINISTERING AGENCY failing to timely proceed with effective PROJECT work in accordance with the project-specific PROGRAM SUPPLEMENT; (b} failing to maintain any applicable bonding requirements; and (c} otherwise materially violating the terms and conditions of this AGREEMENT and/or any PROGRAM SUPPLEMENT, STATE reserves the right to terminate funding for that PROJECT upon thirty (30) days' written notice to ADMINISTERING AGENCY.**
17. **No termination notice shall become effective if, within thirty (30) days after receipt of a Notice of Termination, ADMINISTERING AGENCY either cures the default involved or, if the default is not reasonably susceptible of cure within said thirty (30) day period the ADMINISTERING AGENCY proceeds thereafter to complete that cure in a manner and time line acceptable to STATE.**
18. **Any such termination shall be accomplished by delivery to ADMINISTERING AGENCY of a Notice of Termination, which notice shall become effective not less than thirty (30) days after receipt, specifying the reason for the termination, the extent to which funding of work under this AGREEMENT and the applicable PROGRAM SUPPLEMENT is terminated and the date upon which such termination becomes effective, if beyond thirty (30) days after receipt. During the period before the effective termination date, ADMINISTERING AGENCY and STATE shall meet to attempt to resolve any dispute. In the event of such termination, STATE may proceed with the PROJECT work in a manner deemed proper by STATE. If STATE terminates funding for PROJECT with ADMINISTERING AGENCY for the reasons stated in paragraph sixteen**

(16) of ARTICLE VI, STATE shall pay ADMINISTERING AGENCY the sum due ADMINISTERING AGENCY under the PROGRAM SUPPLEMENT and/or STATE-approved finance letter prior to termination, provided, however, ADMINISTERING AGENCY is not in default of the terms and conditions of this AGREEMENT or the project-specific PROGRAM SUPPLEMENT and that the cost of any PROJECT completion to STATE shall first be deducted from any sum due ADMINISTERING AGENCY.

19. **In the case of inconsistency or conflicts with the terms of this AGREEMENT and that of a project-specific PROGRAM SUPPLEMENT and/or Cooperative Agreement, the terms stated in that PROGRAM SUPPLEMENT and/or Cooperative Agreement shall prevail over those in this AGREEMENT.**
20. **Without the written consent of STATE, this AGREEMENT is not assignable by ADMINISTERING AGENCY either in whole or in part.**
21. **No alteration or variation of the terms of this AGREEMENT shall be valid unless made in writing and signed by the PARTIES, and no oral understanding or agreement not incorporated herein shall be binding on any of the PARTIES.**

IN WITNESS WHEREOF, the parties have executed this AGREEMENT by their duly authorized officer.

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION

By Ferdinand Batatan

t:e-riJiluuuJ B

Ferdinand Batatan (Jun 18, 202414:59 PDT)

For: Chief, Office of Project Management Oversight
Division of Local Assistance

Date 06/18/2024

City of Laguna Hills

By

City of Laguna Hills
Representative Name & Title (Authorized Governing Body Representative)
Date to}l◆ZLf

EXHIBIT A - FAIR EMPLOYMENT PRACTICES ADDENDUM

1. **In the performance of this Agreement, ADMINISTERING AGENCY will not discriminate against any employee for employment on account of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, or military and veteran status. ADMINISTERING AGENCY will take affirmative action to ensure that employees are treated during employment without regard to their race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, or military and veteran status. Such action shall include, but not be limited to, the following: employment; upgrading; demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. ADMINISTERING AGENCY shall post in conspicuous places, available to employees for employment, notices to be provided by STATE setting forth the provisions of this Fair Employment section.**
2. **ADMINISTERING AGENCY, its contractor(s) and all subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Gov. Code, 12900 et seq.), and the applicable regulations promulgated thereunder (Cal. Code Regs., Title 2, 11000, et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code section 12900(a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations are incorporated into this AGREEMENT by reference and made a part hereof as if set forth in full. Each of the ADMINISTERING AGENCY'S contractors and all subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreements, as appropriate.**
3. **ADMINISTERING AGENCY shall include the nondiscrimination and compliance provisions of this clause in all contracts and subcontracts to perform work under this AGREEMENT.**
4. **ADMINISTERING AGENCY will permit access to the records of employment, employment advertisements, application forms, and other pertinent data and records by STATE, the State Fair Employment and Housing Commission, or any other agency of the State of California designated by STATE, for the purposes of investigation to ascertain compliance with the Fair Employment section of this Agreement.**
5. **Remedies for Willful Violation:**

(a) **STATE may determine a willful violation of the Fair Employment provision to have occurred upon receipt of a final judgment to that effect from a court in an action to which ADMINISTERING AGENCY was a party, or upon receipt of a written notice from the Fair Employment and Housing Commission that it has investigated and determined that ADMINISTERING AGENCY has violated the Fair Employment Practices Act.**

(b) **For willful violation of this Fair Employment Provision, STATE shall have the right to terminate this Agreement either in whole or in part, and any loss or damage sustained by STATE in securing the goods or services thereunder shall be borne and paid for by ADMINISTERING AGENCY and by the surety under the performance bond, if any, and STATE may deduct from any moneys due or thereafter may become due to ADMINISTERING AGENCY, the difference between the price named in the Agreement**

and the actual cost thereof to STATE to cure ADMINISTERING AGENCY'S breach of this Agreement.

RESOLUTION NO. 2024-05-28-7

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, AUTHORIZING THE CITY MANAGER TO EXECUTE ALL CALIFORNIA DEPARTMENT OF TRANSPORTATION AGREEMENTS AND AMENDMENTS

The City Council of the City of Laguna Hills, California, ("City") hereby finds, determines, declares, and resolves as follows:

WHEREAS, the City is eligible to receive Federal and/or State funding for certain Transportation Projects through the California Department of Transportation; and

WHEREAS, Master Agreements, Program Supplemental Agreements, Fund Exchange Agreements and/or Fund Transfer Agreements need to be executed with the California Department of Transportation before such funds can be claimed; and

WHEREAS, the City desires to delegate authorization to execute these Agreements, and any amendments thereto, to the City Manager and he is to be authorized to execute Master Agreements, Program Supplemental Agreements, Fund Exchange Agreements, Fund Transfer Agreements and/or any amendments thereto with the California Department of Transportation.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, DOES RESOLVE, DECLARE, DETERMINE, AND ORDER AS FOLLOWS:

SECTION 1. The above recitals are true and correct and are incorporated herein by reference herein.

SECTION 2. The City Manager is authorized to approve and execute Master Agreement No. 12-5468S21 and Program Supplement Agreement No. 00000A549.

SECTION 3. The City Manager is authorized to approve and execute all Master Agreements, Program Supplemental Agreements, Fund Exchange Agreements, Fund Transfer Agreements and/or any amendments thereto with the California Department of Transportation until such time this authorization is rescinded by adoption of a superseding Resolution.

j

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PASSED, APPROVED, AND ADOPTED this 28th day of May 2024.

DAVE WHEELER, MAYOR _____

ATTEST:

_____
JENNIFER LEE, CITY CLERK

STATE OF CALIFORNIA) COUNTY OF ORANGE) ss CITY OF LAGUNA HILLS)

I, JENNIFER LEE, City Clerk of the City of Laguna Hills, California, DO HEREBY CERTIFY that the foregoing is a true and correct copy of Resolution No. 2024-05-28-7 adopted by the City Council of the City of Laguna Hills, California, at a Regular Meeting thereof held on the 28th day of May 2024 by the following vote:

AYES: Council Members Caskey, Heft, Pezold, Mayor Pro Tempore Sweeney, and Mayor Wheeler

NOES: None

ABSENT: None ABSTAIN: None

(SEAL)

_____
JENNIFER LEE, CITY CLERK

12-5468S21_City of Laguna Hills

Created:	2024-06-18
By:	Gerald Mcdaniel (s145783@dot.ca.gov) Signed
Status:	CBJCHBCAABAAnSRfwVmccqP637UORJW0IA9qL5Gus80d
Transaction ID:	

"12-5468S21_City of Laguna Hills" History

Document created by Gerald Mcdaniel (s145783@dot.ca.gov)
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Document e-signed by Ferdinand Batatan (ferdinand.batatan@dot.ca.gov)
Signature Date: 2024-06-18 - 9:59:50 PM GMT - Time Source: server- IP address: 149.136.17.250

Agreement completed.
2024-06-18 - 9:59:50 PM GMT


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PROGRAM SUPPLEMENT NO. F011
to
ADMINISTERING AGENCY-STATE AGREEMENT FOR
FEDERAL-AID PROJECTS NO 12-5468F15

Adv. Project ID 1225000079

Date: August 18, 2025
Location: 12-ORA-0-LGNH
Project Number: STPCML-5468(017)
E.A. Number:
Locode: 5468

This Program Supplement hereby adopts and incorporates the Administering Agency-State Agreement for Federal Aid which was entered into between the Administering Agency and the State on 09/23/2016 and is subject to all the terms and conditions thereof. This Program Supplement is executed in accordance with Article I of the aforementioned Master Agreement under authority of Resolution No. 2024-05-28-7 approved by the Administering Agency on 05/28/2024 (See copy attached).

The Administering Agency further stipulates that as a condition to the payment by the State of any funds derived from sources noted below obligated to this PROJECT, the Administering Agency accepts and will comply with the special covenants or remarks set forth on the following pages.

PROJECT LOCATION: At Paseo de Valencia Laguna Hills Drive to Cabot Road (Approximately 2.2 miles)

TYPE OF WORK: Bike Lane **LENGTH:** 0.0(MILES)

Estimated Cost	Federal Funds		Matching Funds		
	M400 Y230	$140,000.00 $580,000.00	LOCAL		OTHER
$820,000.00			$100,000.00		$0.00

CITY OF LAGUNA HILLS
Department of Transportation

By By
Joseph Ames, P.E., T.E.
Title Interim City Manager

Date August 26, 2025

Attest
Jennifer Lea, CMC

STATE OF CALIFORNIA

Ferdinand A. Batatan (Aug 27, 2025 13:40:33 PDT)

For: **Chief, Office of Project Management Oversight**
Division of Local Assistance

Date 08/27/

I hereby certify upon my personal knowledge that budgeted funds are available for this encumbrance:

Accounting Officer Kam Wong Date **8/18/2025** $720,000.00

SPECIAL COVENANTS OR REMARKS

1. A. The ADMINISTERING AGENCY will advertise, award and administer this project in accordance with the current published Local Assistance Procedures Manual.

B. ADMINISTERING AGENCY agrees that it will only proceed with work authorized for specific phase(s) with an "Authorization to Proceed" and will not proceed with future phase(s) of this project prior to receiving an "Authorization to Proceed" from the STATE for that phase(s) unless no further State or Federal funds are needed for those future phase(s).

C. STATE and ADMINISTERING AGENCY agree that any additional funds which might be made available by future Federal obligations will be encumbered on this PROJECT by use of a STATE-approved "Authorization to Proceed" and Finance Letter. ADMINISTERING AGENCY agrees that Federal funds available for reimbursement will be limited to the amounts obligated by the Federal Highway Administration.

D. Award information shall be submitted by the ADMINISTERING AGENCY to the District Local Assistance Engineer within 60 days of project contract award and prior to the submittal of the ADMINISTERING AGENCY'S first invoice for the construction contract.

Failure to do so will cause a delay in the State processing invoices for the construction phase. Attention is directed to Section 15.6 "Award Package" of the Local Assistance Procedures Manual.

E. ADMINISTERING AGENCY agrees, as a minimum, to submit invoices at least once every six months commencing after the funds are encumbered for each phase by the execution of this Project Program Supplement Agreement, or by STATE's approval of an applicable Finance Letter. STATE reserves the right to suspend future authorizations/obligations for Federal aid projects, or encumbrances for State funded projects, as well as to suspend invoice payments for any on-going or future project by ADMINISTERING AGENCY if PROJECT costs have not been invoiced by ADMINISTERING AGENCY for a six-month period.

If no costs have been invoiced for a six-month period, ADMINISTERING AGENCY agrees to submit for each phase a written explanation of the absence of PROJECT activity along with target billing date and target billing amount.

ADMINISTERING AGENCY agrees to submit the final report documents that collectively constitute a "Report of Expenditures" within one hundred eighty (180) days of PROJECT completion. Failure of ADMINISTERING AGENCY to submit a "Final Report of Expenditures" within 180 days of PROJECT completion will result in STATE imposing sanctions upon ADMINISTERING AGENCY in accordance with the current Local Assistance Procedures Manual.

SPECIAL COVENANTS OR REMARKS

F. Administering Agency shall not discriminate on the basis of race, religion, age, disability, color, national origin, or sex in the award and performance of any Federal-assisted contract or in the administration of its DBE Program Implementation Agreement. The Administering Agency shall take all necessary and reasonable steps under 49 CFR Part 26 to ensure nondiscrimination in the award and administration of Federal-assisted contracts. The Administering Agency's DBE Implementation Agreement is incorporated by reference in this Agreement. Implementation of the DBE Implementation Agreement, including but not limited to timely reporting of DBE commitments and utilization, is a legal obligation and failure to carry out its terms shall be treated as a violation of this Agreement. Upon notification to the Administering Agency of its failure to carry out its DBE Implementation Agreement, the State may impose sanctions as provided for under 49 CFR Part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31 U.S.C. 3801 et seq.).

G. Any State and Federal funds that may have been encumbered for this project are available for disbursement for limited periods of time. For each fund encumbrance the limited period is from the start of the fiscal year that the specific fund was appropriated within the State Budget Act to the applicable fund Reversion Date shown on the State approved project finance letter. Per Government Code Section 16304, all project funds not liquidated within these periods will revert unless an executed Cooperative Work Agreement extending these dates is requested by the ADMINISTERING AGENCY and approved by the California Department of Finance.

ADMINISTERING AGENCY should ensure that invoices are submitted to the District Local Assistance Engineer at least 75 days prior to the applicable fund Reversion Date to avoid the lapse of applicable funds. Pursuant to a directive from the State Controller's Office and the Department of Finance; in order for payment to be made, the last date the District Local Assistance Engineer can forward an invoice for payment to the Department's Local Programs Accounting Office for reimbursable work for funds that are going to revert at the end of a particular fiscal year is May 15th of the particular fiscal year. Notwithstanding the unliquidated sums of project specific State and Federal funding remaining and available to fund project work, any invoice for reimbursement involving applicable funds that is not received by the Department's Local Programs Accounting Office at least 45 days prior to the applicable fixed fund Reversion Date will not be paid. These unexpended funds will be irrevocably reverted by the Department's Division of Accounting on the applicable fund Reversion Date.

H. As a condition for receiving federal-aid highway funds for the PROJECT, the Administering Agency certifies that NO members of the elected board, council, or other key decision makers are on the Federal Government Exclusion List. Exclusions can be found at www.sam.gov.

SPECIAL COVENANTS OR REMARKS

2. A. ADMINISTERING AGENCY shall conform to all State statutes, regulations and procedures (including those set forth in the Local Assistance Procedures Manual and the Local Assistance Program Guidelines, hereafter collectively referred to as "LOCAL ASSISTANCE PROCEDURES") relating to the federal-aid program, all Title 23 Code of Federal Regulation (CFR) and 2 CFR Part 200 federal requirements, and all applicable federal laws, regulations, and policy and procedural or instructional memoranda, unless otherwise specifically waived as designated in the executed project-specific PROGRAM SUPPLEMENT.

B. Invoices shall be formatted in accordance with LOCAL ASSISTANCE PROCEDURES.

C. ADMINISTERING AGENCY must have at least one copy of supporting backup documentation for costs incurred and claimed for reimbursement by ADMINISTERING AGENCY. ADMINISTERING AGENCY agrees to submit supporting backup documentation with invoices if requested by State. Acceptable backup documentation includes, but is not limited to, agency's progress payment to the contractors, copies of cancelled checks showing amounts made payable to vendors and contractors, and/or a computerized summary of PROJECT costs.

D. Indirect Cost Allocation Plan/Indirect Cost Rate Proposals (ICAP/ICRP), Central Service Cost Allocation Plans and related documentation are to be prepared and provided to STATE (Caltrans Audits & Investigations) for review and approval prior to ADMINISTERING AGENCY seeking reimbursement of indirect costs incurred within each fiscal year being claimed for State and federal reimbursement. ICAPs/ICRPs must be prepared in accordance with the requirements set forth in 2 CFR, Part 200, Chapter 5 of the Local Assistance Procedural Manual, and the ICAP/ICRP approval procedures established by STATE.

E. STATE will withhold the greater of either two (2) percent of the total of all federal funds encumbered for each PROGRAM SUPPLEMENT or $40,000 until ADMINISTERING AGENCY submits the Final Report of Expenditures for each completed PROGRAM SUPPLEMENT PROJECT.

F. Payments to ADMINISTERING AGENCY for PROJECT-related travel and subsistence (per diem) expenses of ADMINISTERING AGENCY forces and its contractors and subcontractors claimed for reimbursement or as local match credit shall not exceed rates authorized to be paid rank and file STATE employees under current State Department of Personnel Administration (DPA) rules. If the rates invoiced by ADMINISTERING AGENCY are in excess of DPA rates, ADMINISTERING AGENCY is responsible for the cost difference, and any overpayments inadvertently paid by STATE shall be reimbursed to STATE by ADMINISTERING AGENCY on demand within thirty (30) days of such invoice.

SPECIAL COVENANTS OR REMARKS

G. ADMINISTERING AGENCY agrees to comply with 2 CFR, Part 200, Uniform Administrative Requirements, Cost Principles and Audit Requirement for Federal Awards.

H. ADMINISTERING AGENCY agrees, and will assure that its contractors and subcontractors will be obligated to agree, that Contract Cost Principles and Procedures, 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31, et seq., shall be used to determine the allowability of individual PROJECT cost items.

I. Every sub-recipient receiving PROJECT funds under this AGREEMENT shall comply with 2 CFR, Part 200, 23 CFR, 48 CFR Chapter 1, Part 31, Local Assistance Procedures, Public Contract Code (PCC) 10300-10334 (procurement of goods), PCC 10335-10381 (non-A&E services), and other applicable STATE and FEDERAL regulations.

J. Any PROJECT costs for which ADMINISTERING AGENCY has received payment or credit that are determined by subsequent audit to be unallowable under 2 CFR, Part 200, 23 CFR, 48 CFR, Chapter 1, Part 31, and other applicable STATE and FEDERAL regulations, are subject to repayment by ADMINISTERING AGENCY to STATE.

K. STATE reserves the right to conduct technical and financial audits of PROJECT WORK and records and ADMINISTERING AGENCY agrees, and shall require its contractors and subcontractors to agree, to cooperate with STATE by making all appropriate and relevant PROJECT records available for audit and copying as required by the following paragraph:

ADMINISTERING AGENCY, ADMINISTERING AGENCY'S contractors and subcontractors, and STATE shall each maintain and make available for inspection and audit by STATE, the California State Auditor, or any duly authorized representative of STATE or the United States all books, documents, papers, accounting records, and other evidence pertaining to the performance of such contracts, including, but not limited to, the costs of administering those various contracts and ADMINISTERING AGENCY shall furnish copies thereof if requested. All of the above referenced parties shall make such AGREEMENT, PROGRAM SUPPLEMENT, and contract materials available at their respective offices at all reasonable times during the entire PROJECT period and for three (3) years from the date of submission of the final expenditure report by the STATE to the FHWA.

L. ADMINISTERING AGENCY, its contractors and subcontractors shall establish and maintain a financial management system and records that properly accumulate and segregate reasonable, allowable, and allocable incurred PROJECT costs and matching funds by line item for the PROJECT. The financial management system

SPECIAL COVENANTS OR REMARKS

of ADMINISTERING AGENCY, its contractors and all subcontractors shall conform to Generally Accepted Accounting Principles, enable the determination of incurred costs at interim points of completion, and provide support for reimbursement payment vouchers or invoices set to or paid by STATE.

M. ADMINISTERING AGENCY is required to have an audit in accordance with the Single Audit Act of 2 CFR 200 if it expends $750,000 or more in Federal Funds in a single fiscal year of the Catalogue of Federal Domestic Assistance.

N. ADMINISTERING AGENCY agrees to include all PROGRAM SUPPLEMENTS adopting the terms of this AGREEMENT in the schedule of projects to be examined in ADMINISTERING AGENCY's annual audit and in the schedule of projects to be examined under its single audit prepared in accordance with 2 CFR, Part 200.

O. ADMINISTERING AGENCY shall not award a non-A&E contract over $5,000, construction contracts over $10,000, or other contracts over $25,000 [excluding professional service contracts of the type which are required to be procured in accordance with Government Code sections 4525 (d), (e) and (f)] on the basis of a noncompetitive negotiation for work to be performed under this AGREEMENT without the prior written approval of STATE. Contracts awarded by ADMINISTERING AGENCY, if intended as local match credit, must meet the requirements set forth in this AGREEMENT regarding local match funds.

P. Any subcontract entered into by ADMINISTERING AGENCY as a result of this AGREEMENT shall contain provisions B, C, F, H, I, K, and L under Section 2 of this agreement.

3. In the event that construction of this project of the initial federal authorization for right of way is not started by the close of the twentieth fiscal year following the fiscal year in which the right of way is authorized, the ADMINISTERING AGENCY shall repay the Federal Highway Administration through Caltrans the sum of Federal funds paid under the terms of this agreement.

Authorizing the ROW phase of a project as Advance Construction does not exempt the project from the provisions of 23 U.S.C. 108(a)(2), and 23 CFR 630.112(c)(1).

4. Appendix E of the Title VI Assurances (US DOT Order 1050.2A)

During the performance of this agreement, the ADMINISTERING AGENCY, ADMINISTERING AGENCY'S contractors and subcontractor, (hereinafter referred to as the "contractor") agrees to comply with the following nondiscrimination statutes and authorities; including but not limited to:

Pertinent Nondiscrimination Authorities:

A. Title VI of the Civil Rights Act of 1964 (42 U.S.C. 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR

SPECIAL COVENANTS OR REMARKS

Part 21.

B. The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);

C. Federal-Aid Highway Act of 1973, (23 U.S.C. 324 et seq.), (prohibits discrimination on the basis of sex);

D. Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;

E. The Age Discrimination Act of 1975, as amended, (42 U.S.C. 6101 et seq.), (prohibits discrimination on the basis of age);

F. Airport and Airway Improvement Act of 1982, (49 U.S.C. 4 71, Section 4 7123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);

G. The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, subrecipients and contractors, whether such programs or activities are Federally funded or not);

H. Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;

I. The Federal Aviation Administration's Nondiscrimination statute (49 U.S.C. 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);

J. Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);

K. Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

CITY OF LAGUNA HILLS

CERTIFICATION

STATE OF CALIFORNIA)
COUNTY OF ORANGE) ss.
CITY OF LAGUNA HILLS)

I, JENNIFER LEE, City Clerk of the City of Laguna Hills, California, DO HEREBY CERTIFY that the attached is a true and correct copy of Resolution No. 2024-05-28-7, adopted by the City Council of the City of Laguna Hills, California, at a regular meeting thereof held on the 28th day of May 2024.

(SEAL)

JEN I ER LEE, City Clerk
Laguna Hills, California

DATED: This 29th day of May 2024.

RESOLUTION NO. 2024-05-28-7

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, AUTHORIZING THE CITY MANAGER TO EXECUTE ALL CALIFORNIA DEPARTMENT OF TRANSPORTATION AGREEMENTS AND AMENDMENTS

The City Council of the City of Laguna Hills, California, ("City") hereby finds, determines, declares, and resolves as follows:

WHEREAS, the City is eligible to receive Federal and/or State funding for certain Transportation Projects through the California Department of Transportation; and

WHEREAS, Master Agreements, Program Supplemental Agreements, Fund Exchange Agreements and/or Fund Transfer Agreements need to be executed with the California Department of Transportation before such funds can be claimed; and

WHEREAS, the City desires to delegate authorization to execute these Agreements, and any amendments thereto, to the City Manager and he is to be authorized to execute Master Agreements, Program Supplemental Agreements, Fund Exchange Agreements, Fund Transfer Agreements and/or any amendments thereto with the California Department of Transportation.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF LAGUNA HILLS, CALIFORNIA, DOES RESOLVE, DECLARE, DETERMINE, AND ORDER AS FOLLOWS:

SECTION 1. The above recitals are true and correct and are incorporated herein by reference herein.

SECTION 2. The City Manager is authorized to approve and execute Master Agreement No. 12-5468S21 and Program Supplement Agreement No. 00000A549.

SECTION 3. The City Manager is authorized to approve and execute all Master Agreements, Program Supplemental Agreements, Fund Exchange Agreements, Fund Transfer Agreements and/or any amendments thereto with the California Department of Transportation until such time this authorization is rescinded by adoption of a superseding Resolution.

PASSED, APPROVED, AND ADOPTED this 28th day of May 2024.

DAVE WHEELER, MAYOR

ATTEST:

JENNIFER LEE, CITY CLERK

STATE OF CALIFORNIA)
COUNTY OF ORANGE) ss
CITY OF LAGUNA HILLS)

I, JENNIFER LEE, City Clerk of the City of Laguna Hills, California, DO HEREBY CERTIFY that the foregoing is a true and correct copy of Resolution No. 2024-05-28-7 adopted by the City Council of the City of Laguna Hills, California, at a Regular Meeting thereof held on the 28th day of May 2024 by the following vote:

AYES: Council Members Caskey, Heft, Pezold, Mayor Pro Tempore Sweeney, and Mayor Wheeler

NOES: None

ABSENT: None

ABSTAIN: None

(SEAL)

JENNIFER LEE, CITY CLERK

5468017 PSA

Created:	2025-08-27
By:	Gregory Nannini (s147991@dot.ca.gov) Signed
Status:	CBJCHBCAABAA-E8fsUfNYzwp9JTzQc8ZdwYWVd0QpeD6
Transaction ID:	

"5468017 PSA" History

Document created by Gregory Nannini (s147991@dot.ca.gov)

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Document emailed to Ferdinand Batatan (ferdinand.batatan@dot.ca.gov) for signature

2025-08-27 - 8:33:51 PM GMT

Email viewed by Ferdinand Batatan (ferdinand.batatan@dot.ca.gov)

2025-08-27 - 8:39:45 PM GMT- IP address: 149.136.17.253

Signer Ferdinand Batatan (ferdinand.batatan@dot.ca.gov) entered name at signing as Ferdinand A. Batatan

2025-08-27 - 8:40:31 PM GMT- IP address: 149.136.17.253

Document e-signed by Ferdinand A. Batatan (ferdinand.batatan@dot.ca.gov)

Signature Date: 2025-08-27 - 8:40:33 PM GMT - Time Source: server- IP address: 149.136.17.253

Agreement completed.

2025-08-27 - 8:40:33 PM GMT


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Acrobat Sign

ATTACHMENT 5

CERTIFICATION REGARDING LOBBYING AND DISCLOSURE OF LOBBYING ACTIVITIES

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions, which is attached hereto in this Appendix 9.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000[1] for each such failure.

Executed this _____ day of _____, 2025, at _____, California.

*Name of Proposer:*_____

*By:*_____
(Signature & Title)

*Date:*_____

[1]*The amounts specified in Appendix A to Part 93 are updated annually, as adjusted in accordance with the Federal Civil Monetary Penalty Inflation Adjustment Act of 1990 (Pub. L. 101-140), as amended by the Federal Civil Penalties Inflation Adjustment Act Improvements Act of 2015 (section 701 of Pub. L. 114-74). Annually adjusted amounts are published at 45 CFR part 102.*

DISCLOSURE OF LOBBYING ACTIVITIES

COMPLETE THIS FORM TO DISCLOSE LOBBYING ACTIVITIES PURSUANT TO 31 U.S.C. 1352

1. Type of Federal Action:

☐ a. contract
b. grant
c. cooperative agreement
d. loan
e. loan guarantee
f. loan insurance

2. Status of Federal Action:

☐ a. bid/offer/application
b. initial award
c. post-award

3. Report Type:

☐ a. initial
b. material change

For Material Change Only:
year ____ quarter _____
date of last report_____

4. Name and Address of Reporting Entity

☐ Prime ☐ Subawardee
Tier _____, if known

Congressional District, if known

5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:

Congressional District, if known

6. Federal Department/Agency:

7. Federal Program Name/Description:

CFDA Number, if applicable _____

8. Federal Action Number, if known:

9. Award Amount, if known:

10. Name and Address of Lobby Entity
(If individual, last name, first name, MI)

11. Individuals Performing Services
(including address if different from No. 10)
(last name, first name, MI)

(attach Continuation Sheet(s) if necessary)

12. Amount of Payment (check all that apply)

$ _____ ☐ actual ☐ planned

13. Form of Payment (check all that apply):

☐ a. cash
☐ b. in-kind; specify: nature _____
Value _____

14. Type of Payment (check all that apply)

☐ a. retainer
☐ b. one-time fee
☐ c. commission
☐ d. contingent fee
☐ e deferred
☐ f. other, specify_____

15. Brief Description of Services Performed or to be performed and Date(s) of Service, including officer(s), employee(s), or member(s) contacted, for Payment Indicated in Item 12:

(attach Continuation Sheet(s) if necessary)

16. Continuation Sheet(s) attached: **Yes** ☐ **No** ☐

17. Information requested through this form is authorized by Title 31 U.S.C. Section 1352. This disclosure of lobbying reliance was placed by the tier above when his transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to Congress semiannually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

Signature: _____

Print Name: _____

Title: _____

Telephone No.: _____ Date:_____

Authorized for Local Reproduction

Standard Form - LLL

Federal Use Only:

Standard Form LLL Rev. 04-28-06

INSTRUCTIONS FOR COMPLETING DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime federal recipient at the initiation or receipt of covered federal action or a material change to previous filing pursuant to title 31 U.S.C. Section 1352. The filing of a form is required for such payment or agreement to make payment to lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress an officer or employee of Congress or an employee of a Member of Congress in connection with a covered federal action. Attach a continuation sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. *Identify the type of covered federal action for which lobbying activity is or has been secured to influence, the outcome of a covered federal action.*
2. *Identify the status of the covered federal action.*
3. *Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last, previously submitted report by this reporting entity for this covered federal action.*
4. *Enter the full name, address, city, state, and zip code of the reporting entity. Include Congressional District if known. Check the appropriate classification of the reporting entity that designates if it is or expects to be a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the first tier. Subawards include but are not limited to: subcontracts, subgrants, and contract awards under grants.*
5. *If the organization filing the report in Item 4 checks "Subawardee" then enter the full name, address, city, state, and zip code of the prime federal recipient. Include Congressional District, if known.*
6. *Enter the name of the federal agency making the award or loan commitment. Include at least one organization level below agency name, if known. For example, Department of Transportation, United States Coast Guard.*
7. *Enter the federal program name or description for the covered federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans and loan commitments.*
8. *Enter the most appropriate federal identifying number available for the federal action identification in item 1 (e.g., Request for Proposal (RFP) number, Invitation for Bid (IFB) number, grant announcement number, the contract grant. or loan award number, the application/proposal control number assigned by the federal agency). Include prefixes, e.g., "RFP-DE-90-001."*
9. *For a covered federal action where there has been an award or loan commitment by the Federal agency, enter the federal amount of the award/loan commitments for the prime entity identified in item 4 or 5.*
10. *Enter the full name, address, city, state, and zip code of the lobbying entity engaged by the reporting entity identified in Item 4 to influence the covered federal action.*
11. *Enter the full names of the individual(s) performing services and include full address if different from 10 (a). Enter Last Name, First Name and Middle Initial (Ml).*
12. *Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (Item 4) to the lobbying entity (Item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.*
13. *Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.*
14. *Check all boxes that apply. If other, specify nature.*
15. *Provide a specific and detailed description of the services that the lobbyist has performed or will be expected to perform and the date(s) of any services rendered. Include all preparatory and related activity not just time spent in actual contact with federal officials. Identify the federal officer(s) or employee(s) contacted or the officer(s) employee(s) or Member(s) of Congress that were contacted.*
16. *Check whether or not a continuation sheet(s) is attached.*
17. *The certifying official shall sign and date the form, and print his/her name title and telephone number.*

Public reporting burden for this collection of information is estimated to average 30-minutes per response, including time for reviewing instruction, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503. SF-LLL-Instructions Rev. 06-04

ATTACHMENT 6

1. **City of Laguna Hills Vehicle Miles Traveled Analysis Guidelines under CEQA and General Plan Development Review Traffic Study Guidelines**
2. **Revised Conceptual Project Renderings from August 2025 Workshop**
3. **September 9, 2025 City Council staff report for the Mobility Element Amendment to General Plan**

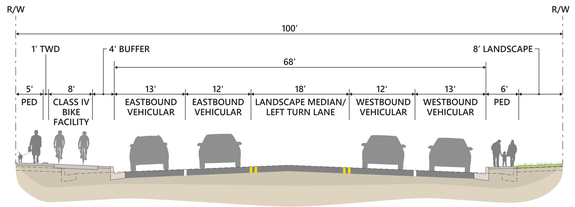
Paseo De Valencia Improvements Two-Way Class IV Bike Trail



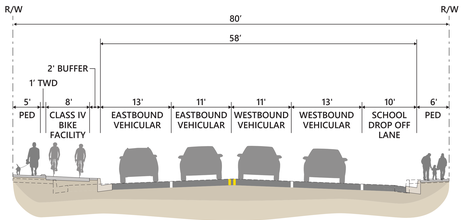
MARK THOMAS

Cabot Road Improvements Two-Way Class IV Bike Trail

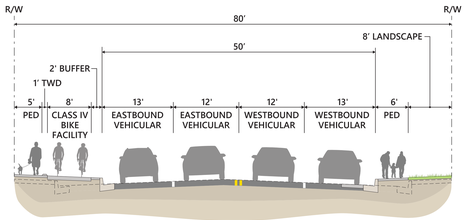




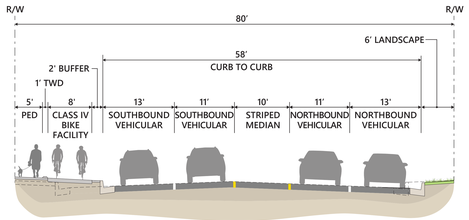
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

MARK THOMAS

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: February 24, 2026
To: Mayor and Council Members
From: Joe Ames, Assistant City Manager
Issue: Proposed Installation of Parking Space Markings on Via Lomas

Recommendation: That the City Council authorize the City Engineer to install painted parallel parking space markings on Via Lomas.

Background:

At the November 19, 2025, Traffic Commission meeting, Vice Chair Patel requested City staff place on the January 21, 2026, Traffic Commission meeting agenda the installation of "T's" on Via Lomas due to requests from residents that marked parking spaces on Via Lomas may improve parking efficiencies and increase the number of vehicles that can park on Via Lomas.

A parking "T" marker is a pavement marking in the shape of a "T" used to delineate individual parking spaces, helping to ensure vehicles are parked in an orderly and efficient manner by minimizing large gaps between vehicles. Installation of "T's" are permitted in the California Manual of Uniform Traffic Control Devices (CA MUTCD). Attached is an excerpt and diagram from the MUTCD.

Via Lomas is a 40 foot wide street that connects Alicia Parkway and Moulton Parkway. The fronting uses generally include higher density residential buildings and a private, community park. There is no striping on the street other than centerline street striping. The prima facie speed limit is 25 mph. The street is signed with No Parking during street sweeping from 10 AM to 2PM on the 2nd and 4th Wednesdays of the month. There are several No Parking zones established on the street to preserve sight distance at driveways, at the entrance to the tract, and around fire hydrants and mailboxes.

After conducting daytime field observations, City staff noted some vehicles park with large gaps in between other adjacent vehicles potentially limiting the total number of vehicles that can park on the street. Traffic Commissioner Schaff also conducted a nighttime field observation to verify how many cars typically park on Via Lomas. The addition of marked parallel parking stalls using “T’s” should help address gaps between vehicles and ensure vehicles will be evenly spaced. Implementing marked parking stalls should not reduce the number of vehicles that typically park on Via Lomas. Traffic Commissioner Schaff reported he counted 123 parked vehicles on Via Lomas on the evening of January 21, 2026 (before the Traffic Commission meeting). The City Engineer estimates that 125 parking spaces can be provided using the proposed layout. Therefore, Traffic Commission recommended that City Council install marked parallel parking "T's" along Via Lomas.

The Laguna Hills Municipal Code is silent on the authority of the City Manager to install “T’s” to delineate individual parallel parking spaces on City streets only for the purposes of improving parking efficiency. The California Vehicle Code states: "A local authority may, by ordinance, cause streets and highways to be marked with white lines designating parking spaces **and** require vehicles to park within the parking spaces." (Emphasis added.) However, at this time, City staff is not recommending that City Council adopt an ordinance for enforcement purposes. Rather, if City Council authorizes the installation of marked parking stalls on Via Lomas, City staff will monitor compliance and evaluate if an ordinance is later required. Thus, City staff’s recommendation is for the City Council to authorize the City Engineer to install painted parallel parking space markings on Via Lomas. If authorized, the City Engineer intends to delineate the marked parking spaces using white painted "T's" using the layout that is circled in the attachment.

CEQA Analysis:

The operation and maintenance of existing highways and streets is categorically exempt under the California Environmental Quality Act pursuant to Section 15301(c) of the CEQA Guidelines, Cal. Code of Regs, Title 14, Chapter 3.

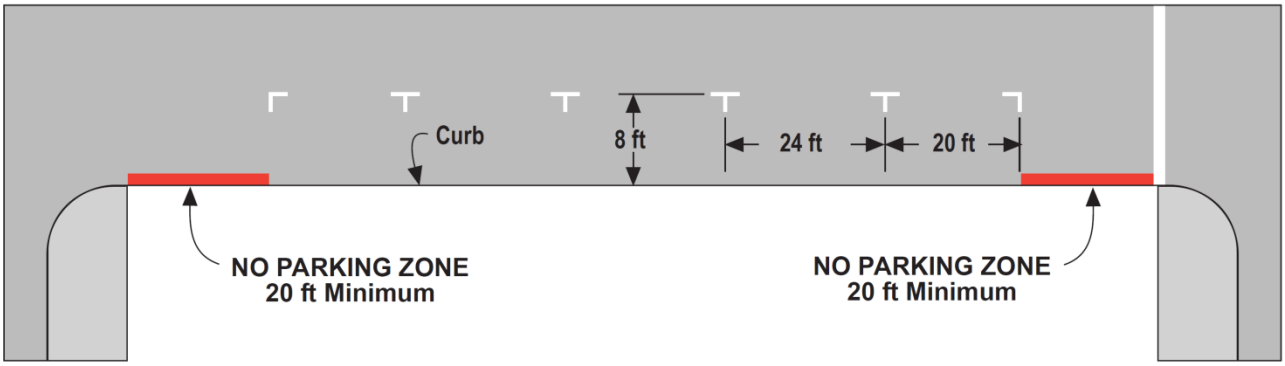
Fiscal Impact:

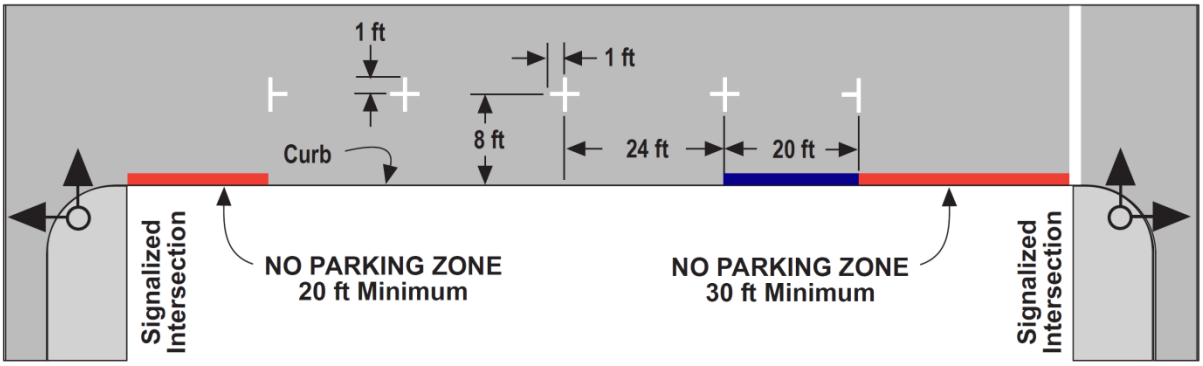
The estimated cost to install (paint) the T's is $5,000. This cost can be absorbed into the Public Works maintenance budget (100-355-720401).

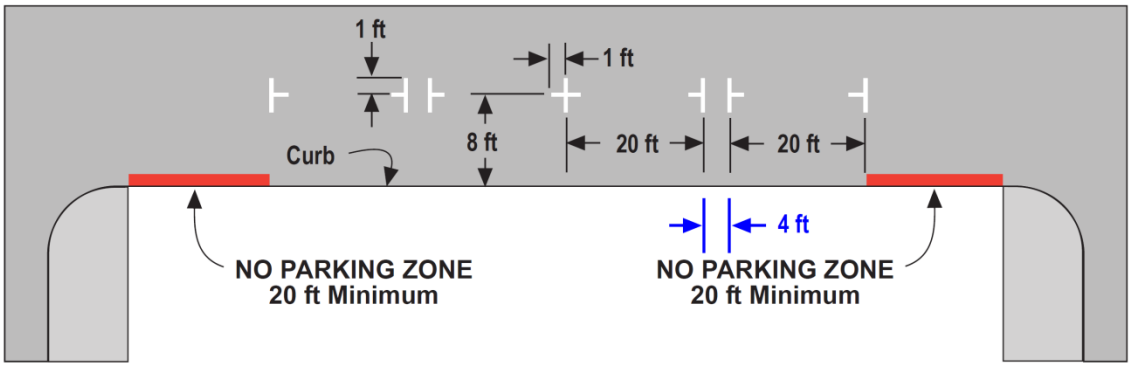
Attachments:

1. Parking Stall Marking Diagrams - MUTCD Figure 3B-21
2. MUTCD Excerpt - Section 3B.19
3. Examples of Vehicle Parking Gaps
4. Proposed Parking Stall Spaces

Figure 3B-21 (CA). Examples of Parking Space Markings







NOT TO SCALE

NOTES:

1. For Parking Stalls along the left side curb on one-way streets, markings may be placed on the curb delineating the ends of the individual stalls.
2. All stall markings are made with 4 in wide white lines. The shape is optional.
3. The parking stall cross line, 8 ft from the curb, may be continuous longitudinally.

Guidance:

24 *Mid-block pedestrian crossings are generally unexpected by the motorist and should be discouraged unless, in the opinion of the engineer, there is strong justification in favor of such installation. Particular attention should be given to roadways with two or more traffic lanes in one direction as a pedestrian may be hidden from view by a vehicle yielding the right-of-way to a pedestrian.*

Option:

25 When diagonal or longitudinal lines are used to mark a crosswalk, the transverse crosswalk lines may be omitted.

Standard:

26 **However, when the factor that determined the need to mark a crosswalk is the clarification of pedestrian routes for sight-impaired pedestrians, the transverse crosswalk lines shall be marked.**

Option:

27 At controlled approaches, limit lines (stop lines) help to define pedestrian paths and are therefore a factor the engineer may consider in deciding whether or not to mark the crosswalk.

28 Where it is desirable to remove a marked crosswalk, the removal may be accomplished by repaving or surface treatment.

Guidance:

29 *A marked crosswalk should not be eliminated by allowing it to fade out or be worn away.*

Support:

30 The worn or faded crosswalk retains its prominent appearance to the pedestrian at the curb, but is less visible to the approaching road user.

Standard:

31 **Notification to the public shall be given at least 30 days prior to the scheduled removal of an existing marked crosswalk. The notice of proposed removal shall inform the public how to provide input related to the scheduled removal and shall be posted at the crosswalk identified for removal. Refer to CVC 21950.5**

Option:

32 Signs may be installed at or adjacent to an intersection directing that pedestrians shall not cross in a crosswalk indicated at the intersection in accordance with CVC 21106(b).

33 White PED XING pavement markings may be placed in each approach lane to a marked crosswalk, except at intersections controlled by traffic signals or STOP or YIELD signs.

Section 3B.19 Parking Space Markings

Support:

01 Marking of parking space boundaries encourages more orderly and efficient use of parking spaces where parking turnover is substantial. Parking space markings tend to prevent encroachment into fire hydrant zones, bus stops, loading zones, approaches to intersections, curb ramps, and clearance spaces for islands and other zones where parking is restricted. Examples of parking space markings are shown in Figure ~~3B-21~~ 3B-21(CA).

Standard:

02 **Parking space markings shall be white.**

Option:

03 Blue lines may supplement white parking space markings of each parking space designated for use only by persons with disabilities.

Support:

04 Additional parking space markings for the purpose of designating spaces for use only by persons with disabilities are discussed in Section 3B.20 and illustrated in Figure ~~3B-22~~ 3B-22(CA). The design and layout of accessible parking spaces for persons with disabilities is provided in the "Americans with Disabilities Act Accessibility Guidelines (ADAAG)" (see Section 1A.11).

Support:

05 Refer to CVC 22500 through 22522 for parking space markings.

06 Refer to Section 2B.39 for Parking Regulations.

Policy on Parking Restrictions

Option:

07 Local authorities may, by ordinance, provide for the establishment of parking meter zones and cause streets and highways to be marked with white lines designating parking spaces. Refer to CVC Section 22508.

Standard:

08 **Where the proposed zones are on State highways, the ordinances shall be approved by Caltrans.**

09 **Local authorities shall furnish a sketch or map showing the definite location of all parking meter stalls on State highways before Caltrans approval is given.**

Support:

10 The District Directors have been delegated the authority to approve such ordinances.

11 The desirable dimensions of parking meter stalls are 8 feet by 24 feet with a minimum length of 20 feet.

Guidance:

12 *At all intersections, one stall length on each side measured from the crosswalk or end of curb return should have parking prohibited. A clearance of 6 feet measured from the curb return should be provided at alleys and driveways.*

13 *At signalized intersections parking should be prohibited for a minimum of 30 feet on the near side and one stall length on the far side. See Figure 3B-21(CA).*

Standard:

14 **The departmental approval for the installation of the parking meters shall be covered by an encroachment permit.**

Section 3B.20 Pavement Word, Symbol, and Arrow Markings

Support:

01 Word, symbol, and arrow markings on the pavement are used for the purpose of guiding, warning, or regulating traffic. These pavement markings can be helpful to road users in some locations by supplementing signs and providing additional emphasis for important regulatory, warning, or guidance messages, because the markings do not require diversion of the road user's attention from the roadway surface. Symbol messages are preferable to word messages. Examples of standard word and arrow pavement markings are shown in Figures ~~3B-23~~ 3B-23(CA) and ~~3B-24~~ 3B-24(CA).

01a Normally, pavement word and symbol markings supplement standard signing.

Option:

02 Word, symbol, and arrow markings, including those contained in the "Standard Highway Signs and Markings" book (see Section 1A.11), may be used as determined by engineering judgment to supplement signs and/or to provide additional emphasis for regulatory, warning, or guidance messages. Among the word, symbol, and arrow markings that may be used are the following:

A. Regulatory:
   1. STOP
   2. YIELD
   3. RIGHT (LEFT, U) TURN ONLY
   4. 25 MPH
   5. Lane-use and wrong-way arrows
   6. Diamond symbol for HOV lanes
   7. Other preferential lane word markings

B. Warning:
   1. STOP AHEAD
   2. YIELD AHEAD
   3. YIELD AHEAD triangle symbol
   4. SCHOOL XING
   5. SIGNAL AHEAD
   6. PED XING
   7. SCHOOL
   8. R X R
   9. BUMP
   10. HUMP
   11. Lane-reduction arrows
   12. TRAIL XING

Examples of Vehicle Parking Gaps





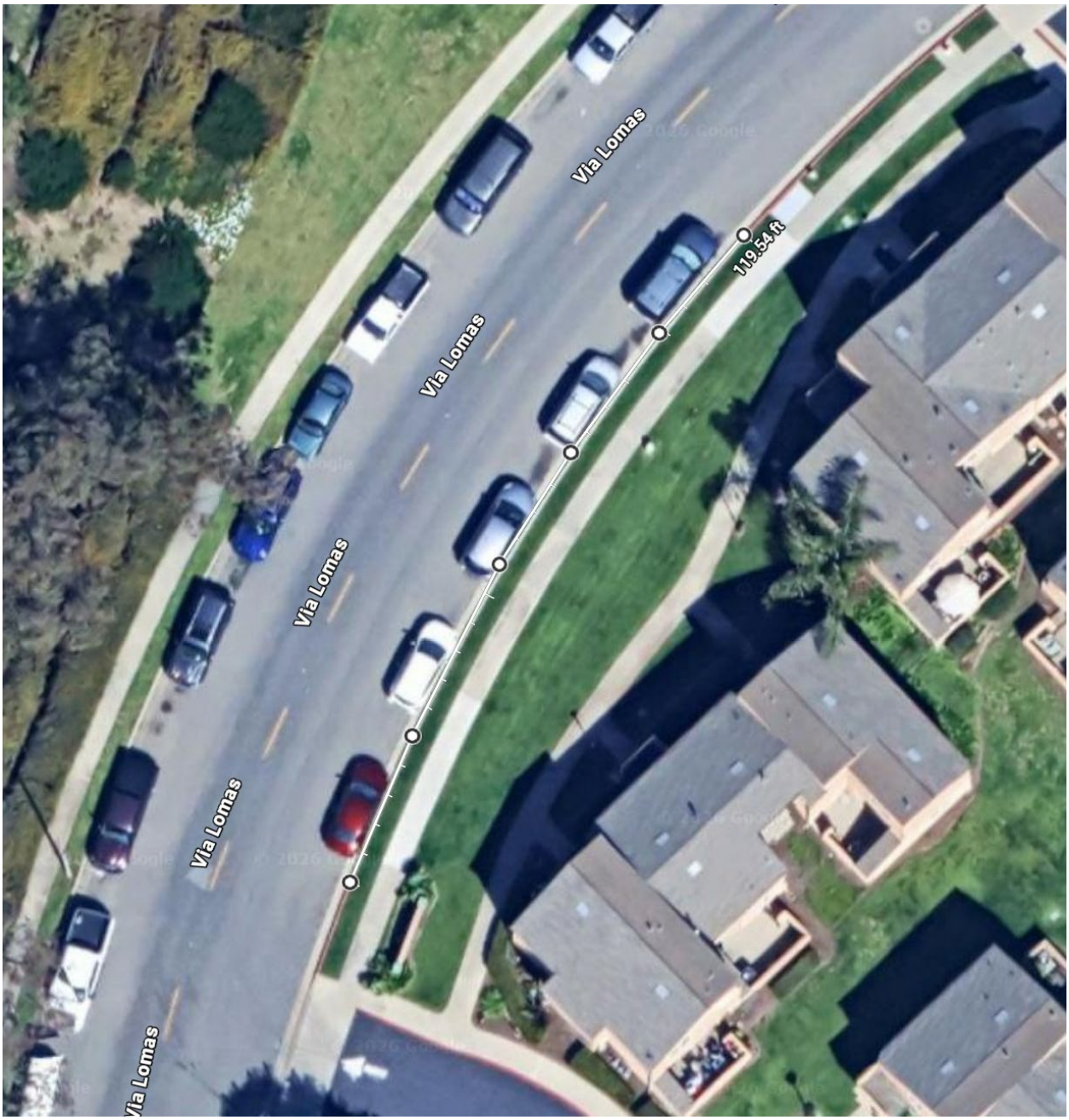
Approximate Measurements of Existing Parking Curb Lengths

Via Lomas South Side #1



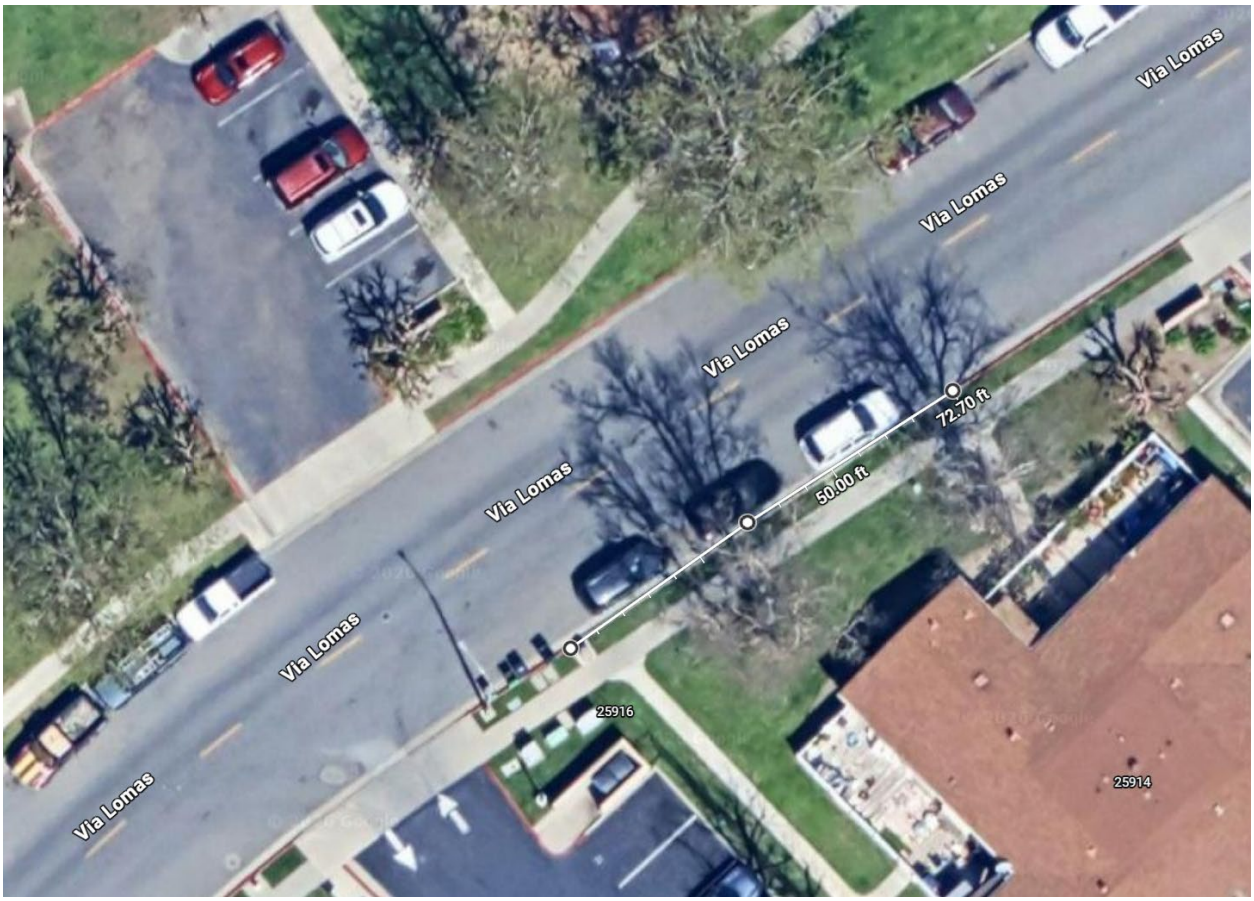
Modify to 4 delineated parking spaces: 20’ + 24’ + 24’ + 20’ = 88’ which is slightly greater than 84’ available.

Via Lomas South Side #2:



Modify to 5 delineated parking spaces: 20’ + 24’ + 24’ + 24’ + 20’ = 112’ < 119’ available

Via Lomas South Side #3



Modify to 3 delineated parking spaces: 20’ + 24’ + 20’ = 64’ < 72’ available

Via Lomas South Side #4

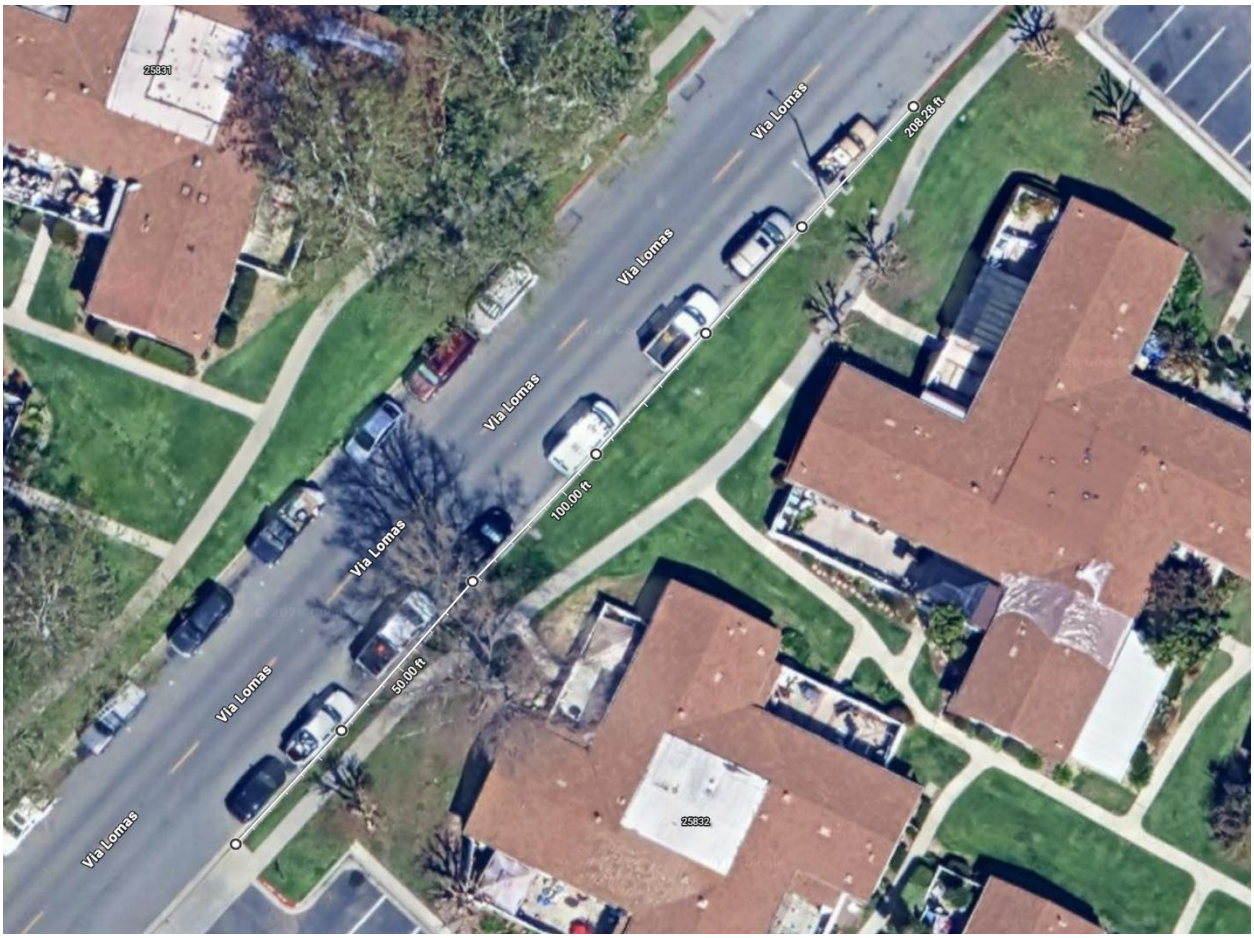


Modify to 7 delineated parking spaces: 20’ + 24’ + 24’ + 24’ + 24’ + 24’ + 20’ = 160’ < 172’ available

Or, under the reduced standard, modify to 8 delineated parking spaces: 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ = 172’ which approximately matches the 172’ available

For comparison purposes, only 8 cars are parked in the aerial photo above.

Via Lomas South Side #5



Modify to 9 delineated parking spaces: 20’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 20’ = 208’

For comparison purposes, only 8 cars are parked in the aerial photo above.

Via Lomas South Side #6

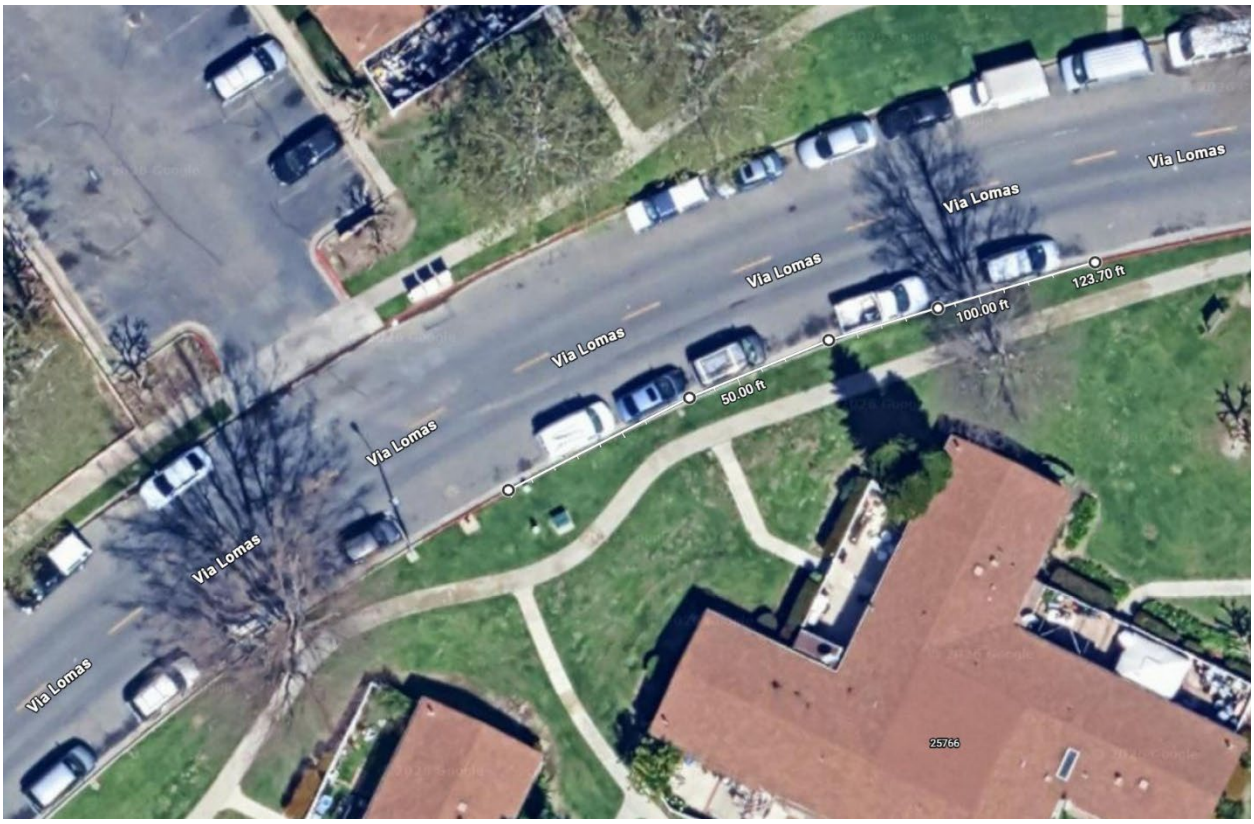


Modify to 10 delineated parking spaces: 20’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 20’ = 232’ < 246’ available

Or, under the reduced standard, modify to 11 delineated parking spaces: 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’= 244’ < 246’ available

For comparison purposes, only 9 cars are parked in the aerial photo above.

Via Lomas South Side #7

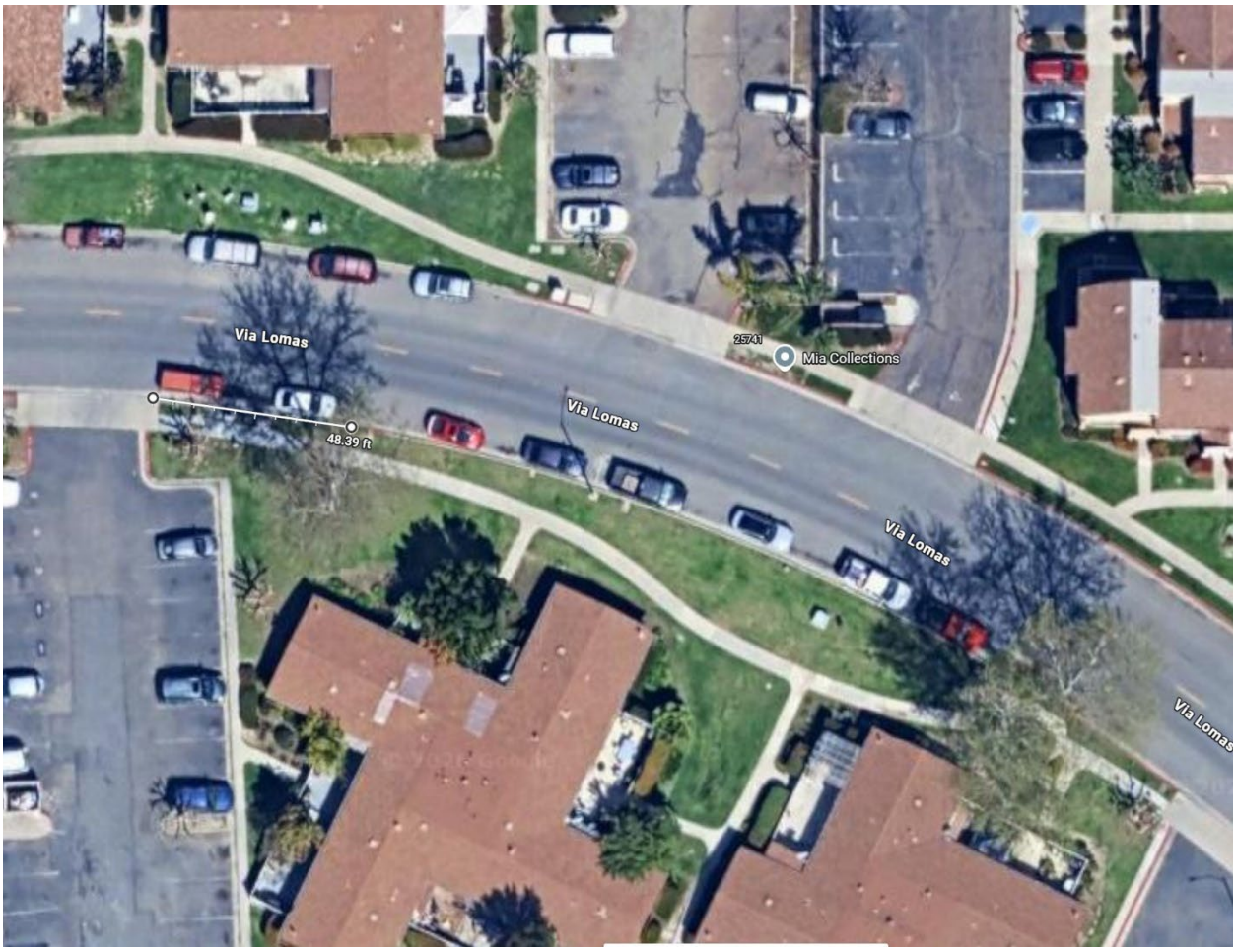


Modify to 6 delineated parking spaces: 20’ + 24’ + 24’ + 24’ + 24’ + 20’ = 136’ > 124’ available

Or, under the reduced standard, modify to 6 delineated parking spaces: 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ = 132’ > 124 available

For comparison purposes, only 9 cars are parked in the aerial photo above.

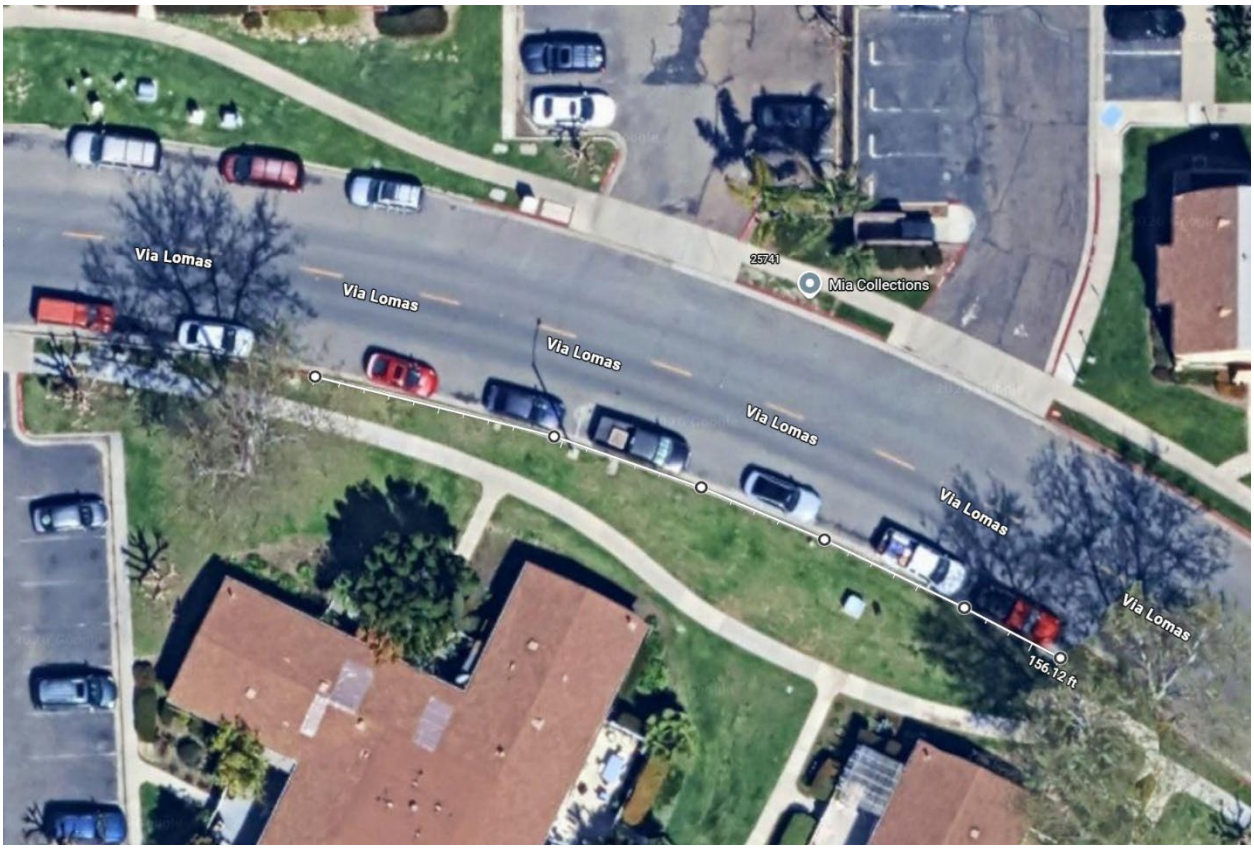
Via Lomas South Side #8



Modify to 2 delineated parking spaces: 24’ + 24’ = 48’

There is a red zone for a fire hydrant east of the 48’ open curb.

Via Lomas South Side #9

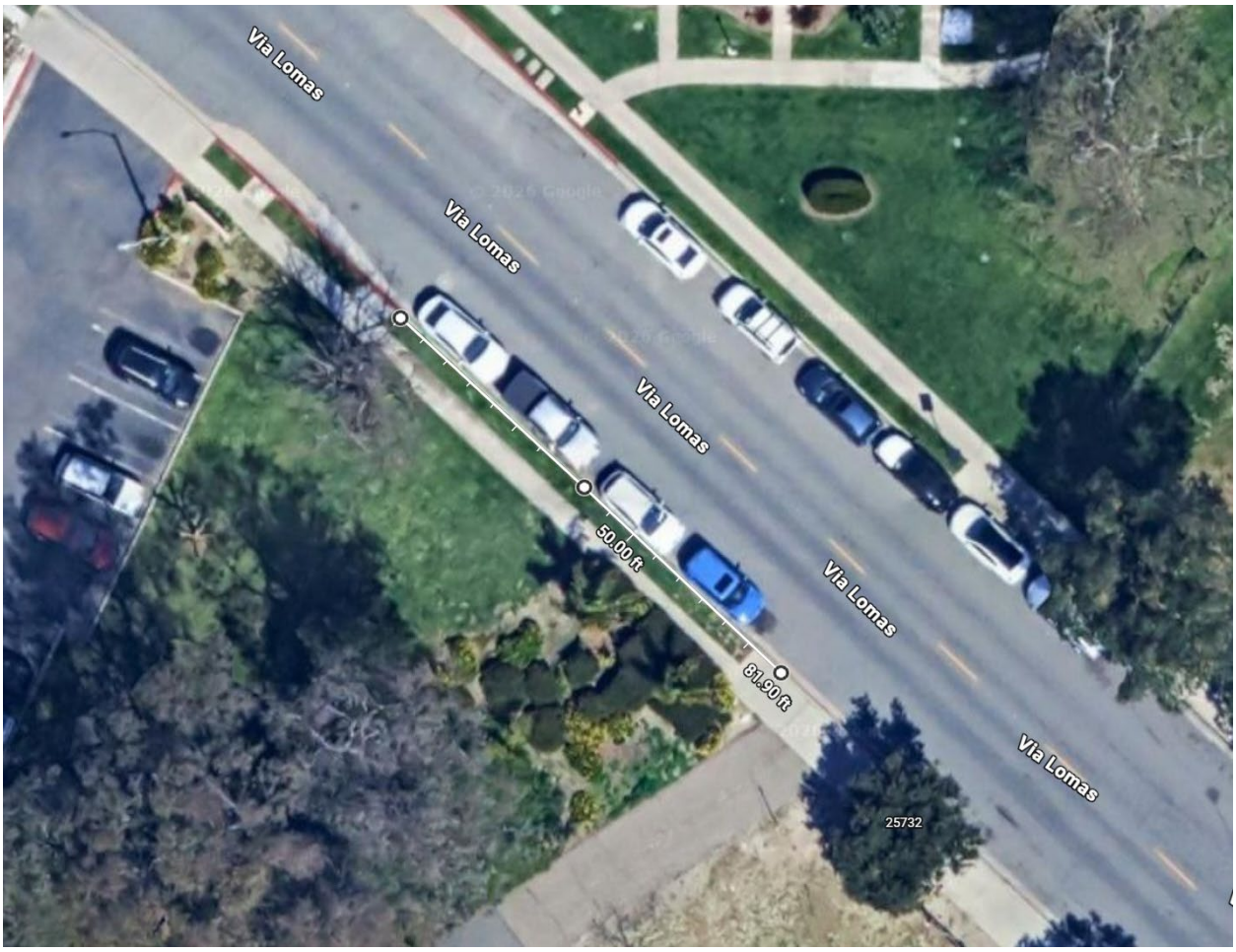


Modify to 7 delineated parking spaces: 20’ + 24’ + 24’ + 24’ + 24’ + 24’ + 20’ = 160’ > 156’ available

Or, under the reduced standard, modify to 7 delineated parking spaces: 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ = 152’ < 156’ available, which better fits available space

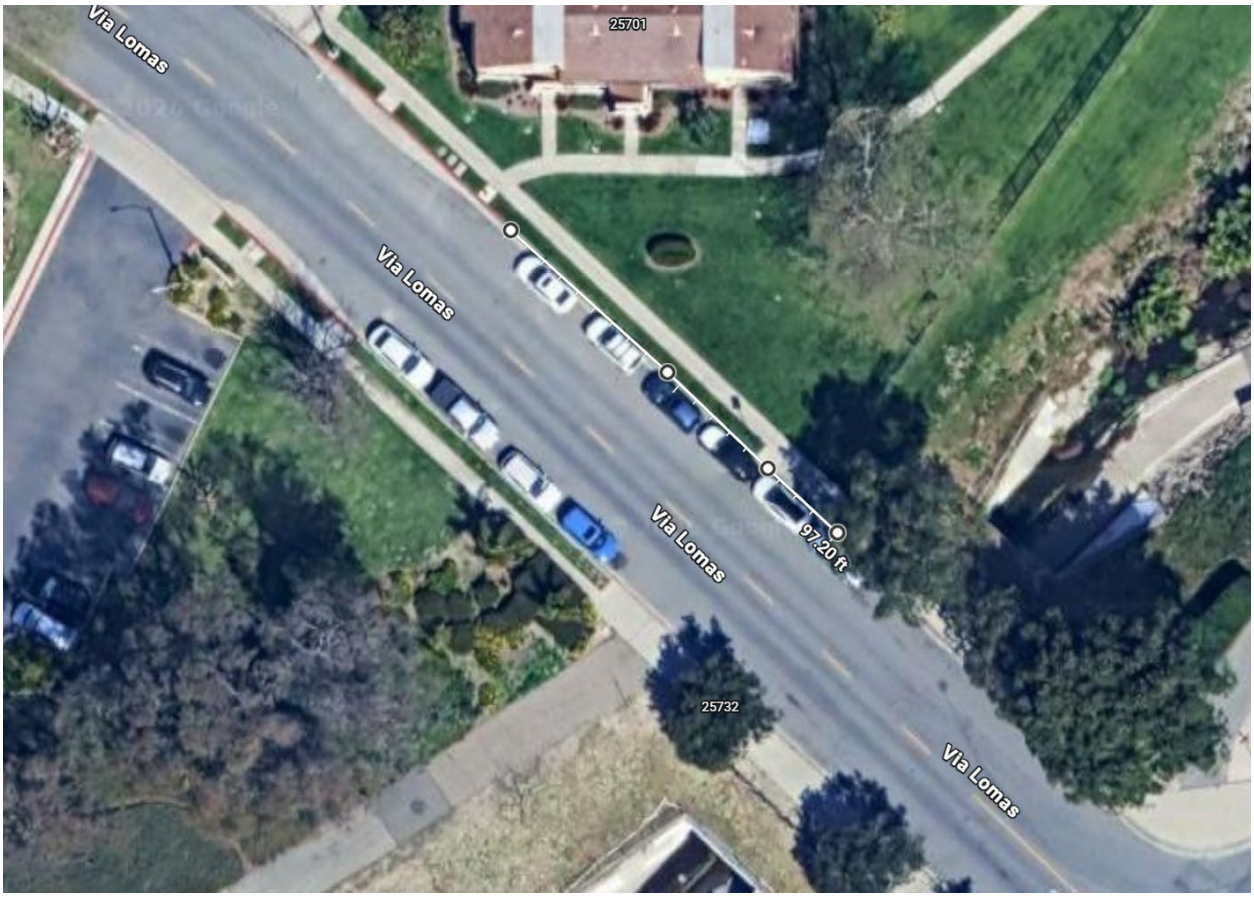
For comparison purposes, only 6 cars are parked in the aerial photo above.

Via Lomas South Side #10



Modify to 4 delineated parking spaces: 20’ + 24’ + 24’ + 20’ = 88’ > 82’ available

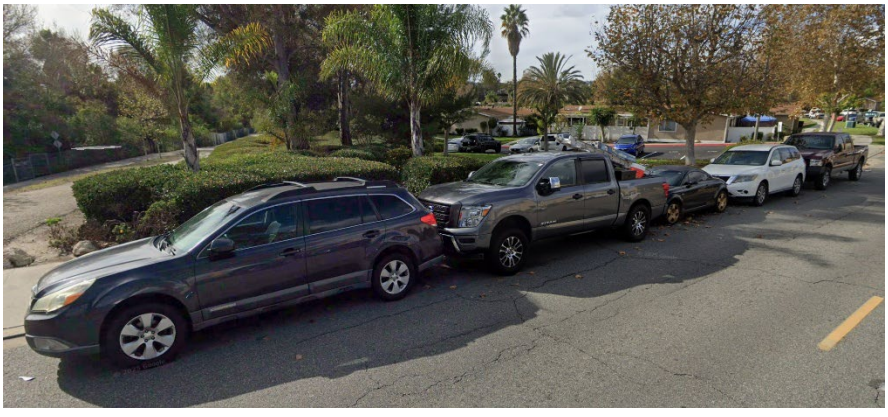
Via Lomas North Side #1



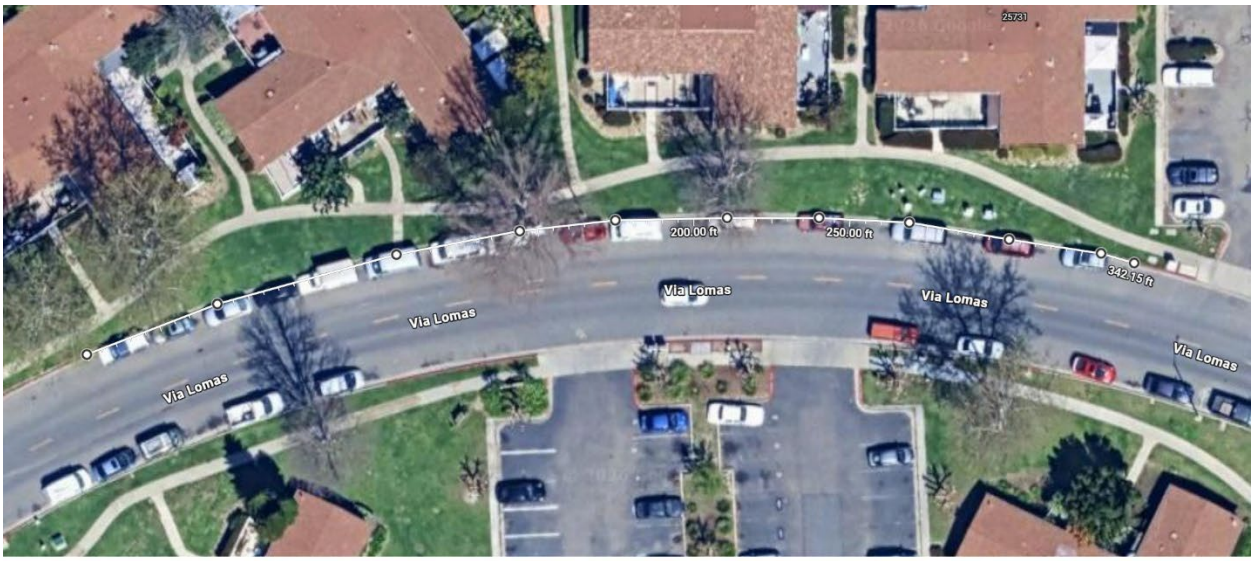
Modify to 4 delineated parking spaces: 20’ + 24’ + 24’ + 20’ = 88’

Or, under the reduced standard, modify to 5 delineated parking spaces: 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ = 108’ > 97’ available. Possibly reduce the length of the no parking zone towards Alicia Parkway?

For comparison purposes, 4 cars are parked in the aerial photo above. However, sometimes 5 cars are parked:



Via Lomas North Side #2

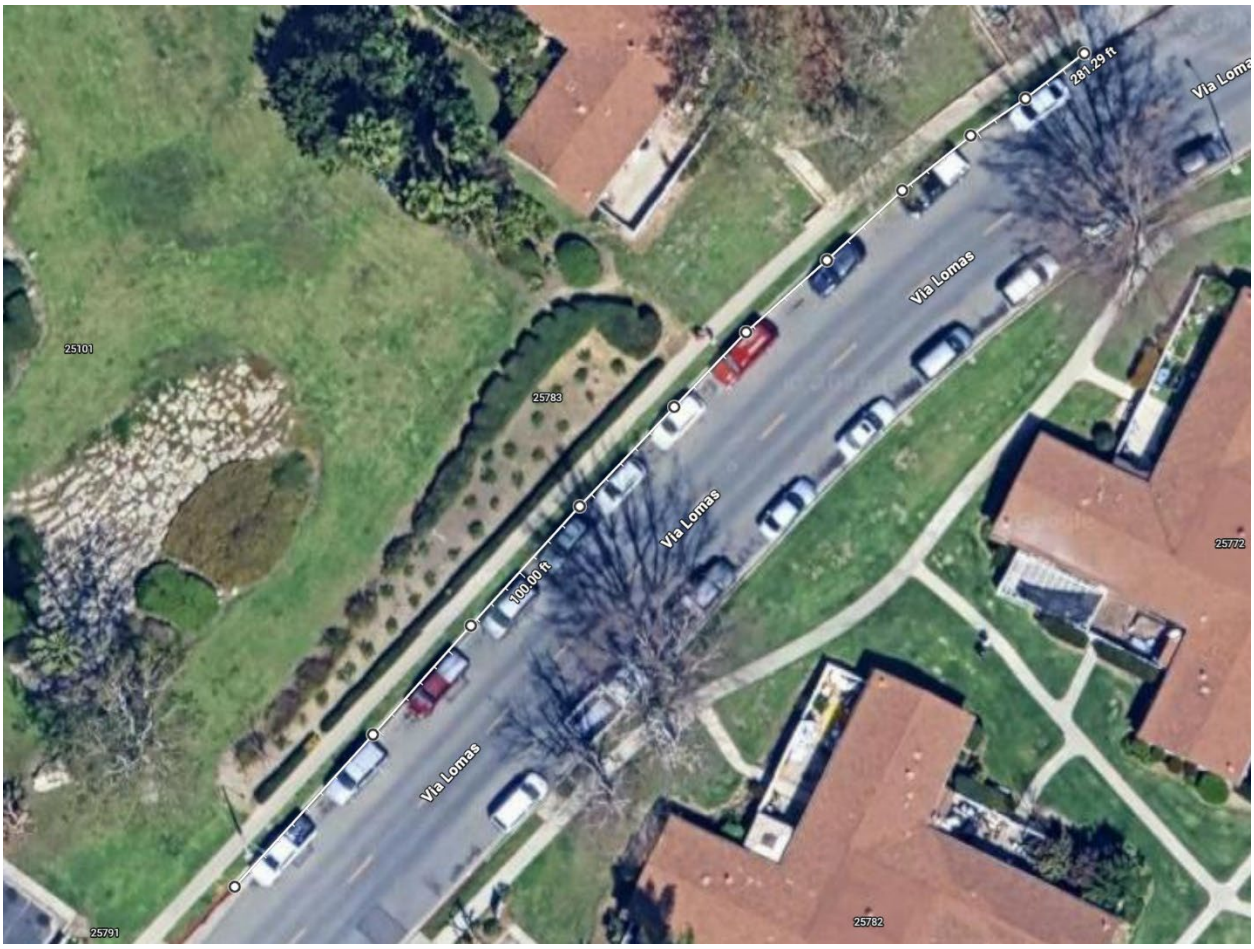


Modify to 14 delineated parking spaces: 20’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ +24’ +24’ + 20’ = 328’ < 342’ available

Or, under the reduced standard, modify to 16 delineated parking spaces: 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ = 348’ which slightly more than 346’ available

15 cars are parked in the aerial photo above.

Via Lomas North Side #3

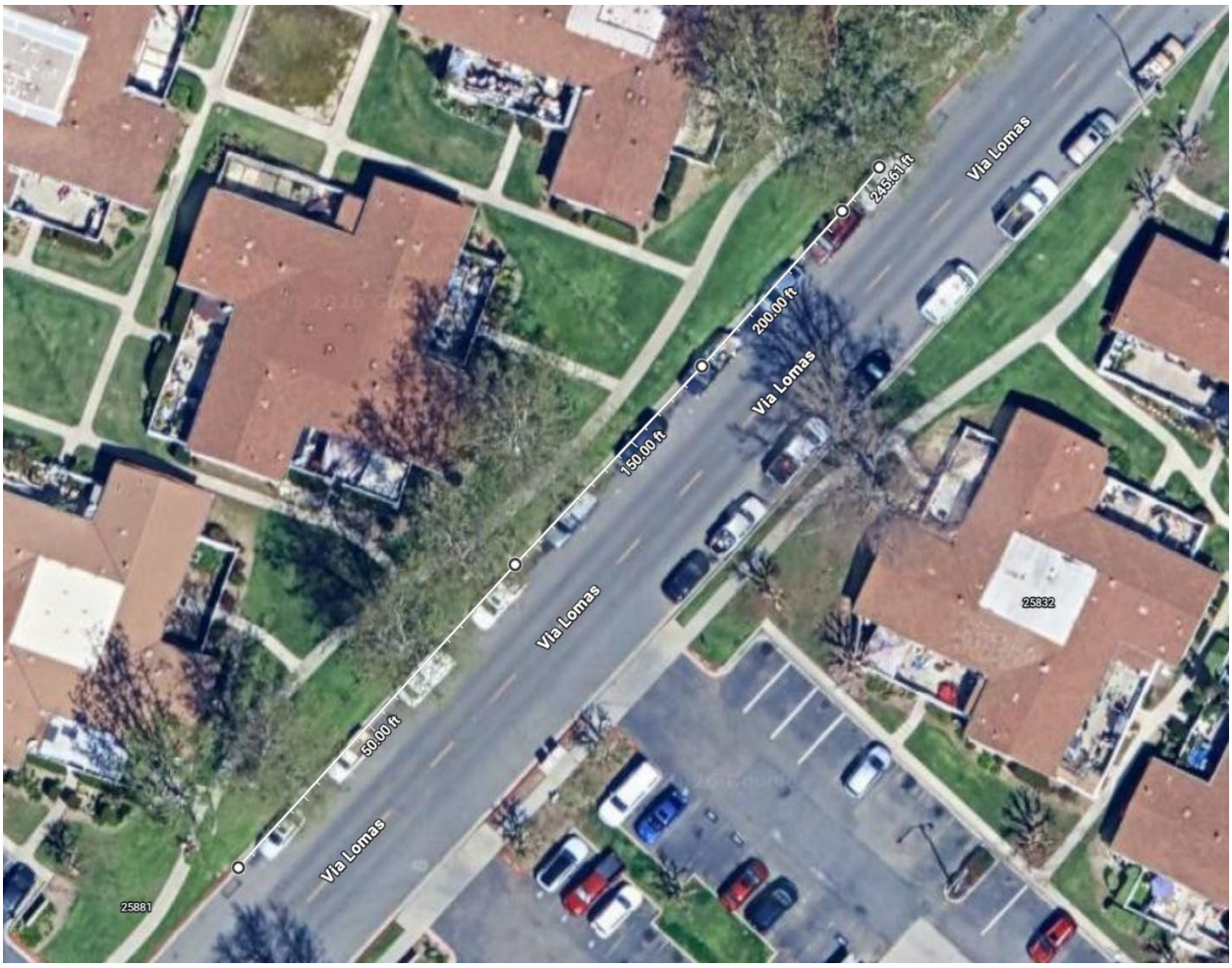


Modify to 12 delineated parking spaces: 20’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 20’ = 280’ < 281’ available

Or, under the reduced standard, modify to 13 delineated parking spaces: 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’= 284’ which is slightly more than 281’ available

11 cars are parked in the aerial photo above.

Via Lomas North Side #4



Modify to 10 delineated parking spaces: 20’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 20’ = 232’ < 245’ available

Or, under the reduced standard, modify to 11 delineated parking spaces: 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’= 240’ < 245’ available

10 cars are parked in the aerial photo above.

Via Lomas North Side #5



Modify to 6 delineated parking spaces: 20’ + 24’ + 24’ + 24’ + 24’ + 20’ = 136’ < 142’ available

Or, under the reduced standard, modify to 7 delineated parking spaces: 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ = 132’ < 142’ available

The 28’ open curb length would be 1 additional delineated parking stall.

Via Lomas North Side #6



Modify to 13 delineated parking spaces: 20’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 24’ + 20’ = 304’ < 305’ available

Or, under the reduced standard, modify to 14 delineated parking spaces: 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ + 4’ gap + 20’ + 20’ = 304’ < 305’ available

14 cars are parked in the aerial photo above.

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: February 24, 2026
To: Mayor and Council Members
From: Joe Ames, Assistant City Manager
Issue: Proposed License Agreements for 24031 El Toro Road, Suites 250A, 250B, 250C, and 250E, Laguna Hills, California

Recommendation: That the City Council: 1. Approve the proposed license agreements for 24031 El Toro Road, Suites 250A, 250B, 250C, and 250E, Laguna Hills, California; and 2. Authorize the City Manager to make minor modifications, as necessary, to the license agreements and to execute the agreements.

Background:

City staff and the Civic Center property management company, Essex Realty Management, Inc., have negotiated license agreements for 24031 El Toro Road, Suites 250A, 250B, 250C, and 250E, Laguna Hills, California.

License agreements were executed for tenants in Suite 250 because, unlike other offices in the Civic Center, Suite 250 has been subdivided into five (5) offices, each with its own tenant. The tenants share a common hallway and reception area. The license agreements are considered short-term and run for 12-month periods.

This suite was leased in this manner starting several years ago because City staff and Essex Realty Management identified several prospective licensees who wanted office space in the Civic Center, but individually did not have the need for full use of a larger office space. This arrangement benefits both the licensees and the City because the total sum of the rent collected from the five offices exceeds the amount that would otherwise be collected on a traditional office lease.

The license agreements have been included as attachments to this staff report. City staff is recommending approval of the license agreements.

Fiscal Impact:

The following is a summary of the key terms and financial analysis:

Suite 250A
Commencement Date: January 1, 2026
Term: 12 Months
Rentable Square Feet: ~200 SF
Estimated Upfront Capital: $228.66
Base Rent: Months 1-12: $762.20 per month (~$3.81/SF/Mo)
Total Estimated Rent Payments: $9,146.40

Suite 250B
Commencement Date: January 1, 2026
Term: 12 Months
Rentable Square Feet: ~200 SF
Estimated Upfront Capital: $196.83
Base Rent: Months 1-12: $656.11 per month (~$3.28/SF/Mo)
Total Estimated Rent Payments: $7,873.32

Suite 250C
Commencement Date: January 1, 2026
Term: 12 Months
Rentable Square Feet: ~200 SF
Estimated Upfront Capital: $196.94
Base Rent: Months 1-12: $656.48 per month (~$3.28/SF/Mo)
Total Estimated Rent Payments: $7,877.76

Suite 250E
Commencement Date: January 1, 2026
Term: 12 Months
Rentable Square Feet: ~200 SF
Estimated Upfront Capital: $261.95
Base Rent: Months 1-12: $873.17 per month (~$4.37/SF/Mo)
Total Estimated Rent Payments: $10,478.04

Combined Total Estimated Rent Payments (Suites 250A, 250B, 250C, and 250E): $35,375.52

The Base Rent includes the licensee's share of eligible operating expenses (also known as common area maintenance charges). Upfront Capital includes leasing commissions and tenant improvements (or allowances for tenant improvements). The negotiated license agreements do not include any tenant improvement concessions or allowances. Essex Realty, per the terms of the existing property management agreement, will receive approximately $884.38 for its commission (2.5% of total rent consideration). This is substantially lower than what would have been paid in commissions to the procuring broker if the space had been rented to someone not currently a tenant.

Attachments:

1. Proposed License Agreement – Suite 250A
2. Proposed License Agreement – Suite 250B
3. Proposed License Agreement – Suite 250C
4. Proposed License Agreement – Suite 250E

ACCOMMODATION LICENSE SUMMARY

Building and Suite where User is located

Address 24031 El Toro Road, Suite 250A	City Laguna Hills
State CA	Zip Code 92653

User Information

Name: John A. Rosenbaum	Contact Name: John A. Rosenbaum
Address: 24031 El Toro Rd. Suite 250A	City: Laguna Hills
State: CA	Zip Code: 92653
Telephone: 714-458-3453	Email: johnrosenbaum@yahoo.com

User invoicing details (if different from above)

City name	Contact Name/Title
Address	City
State	Zip Code
Telephone	Fax

User Business

Attorney

Type	Areas Assigned	Start Date	Qty.	Fee per Area	Total Monthly Fee
Office	X	January 1, 2026	1	$762.20	$762.20
Workstation	N/A			$	$

Service Retainer	**$762.20**

The City is already in possession of a Service Retainer in the amount of $740.00. Upon execution of this License Agreement, User agrees to remit an additional $22.20 to City in order to bring Service Retainer amount to a total of $762.20.

Total due at signing **$784.40**

Make All Payments to: The City of Laguna Hills

c/o Essex Realty Management 17744 Sky Park Circle #100 Irvine, CA 92614

This License Summary applies to the provision of accommodations and services by City under the Accommodation License Agreement to which this is attached ("Agreement"). Capitalized terms not defined herein have the meaning ascribed to them in the Agreement.

THE CITY OF LAGUNA HILLS

By: Bob Wingenroth

By:_____
Its: City Manager

"User"

By:_____
John A. Rosenbaum

ACCOMMODATION LICENSE AGREEMENT

This Accommodation License Agreement ("License") is entered into by The City of Laguna Hills ("City") and the undersigned ("User") as of the date signed by City. This License includes the preceding Accommodation License Summary ("License Summary") and attached Rules and Regulations (Exhibit A) which are incorporated herein by this reference.

Purpose and Intent. The purpose of this License is to set forth the terms and provisions under which City will provide the accommodations and services described herein to User. Notwithstanding anything to the contrary contained herein or in the Master Services Agreement, City and User expressly acknowledge, confirm and agree that: (i) this License is and shall at all times be a license and is the commercial equivalent of an agreement for accommodation in a hotel; (ii) the relationship between City and User created hereunder is that of licensor-licensee, and not of landlord-tenant or lessor-lessee; and (iii) this License shall not create or be deemed to create any tenancy interest, leasehold estate or other real property interest in favor of User with respect to the accommodations and services provided hereunder.

ACCOMMODATION SERVICES

Accommodations Provided. City shall use its good faith efforts to provide User with the number of ~~furnished~~ offices and workstations (individually, an "Area" and collectively, the "Areas") specified on the License Summary within the Building and Suite specified in the License Summary ("Building"). User shall be responsible for all costs of installing any telephone or internet service to the Areas.

In connection with User's use of the Areas, City will use its good faith efforts to provide the following services during the Building's normal business hours (as the same may be modified from time to time by City):

1. access to User's Areas;
2. heating and air conditioning during normal business hours for the Building;
3. lighting and electrical power for normal business use;
4. cleaning and janitorial;
5. use of the common area generally made available to other users of the Building, including, without limitation, lobby and sanitary facilities; and
6. Wireless internet connection

Notwithstanding anything to the contrary contained in this License, the City reserves the right to add, delete or modify any or all of said services at any time. Any special arrangements for User's use of such services outside the Building's normal business hours will be considered in good faith by City within a reasonable time period after requested by User.

USING THE BUILDING

Move In. Upon moving in, User shall sign an inventory of all furniture and equipment User is permitted to use hereunder, together with a note of its condition, and details of the keys or entry cards issued to User.

Permitted Use. User may only use the Building (including, without limitation, the Areas) for the purposes stated in the License Summary or subsequently agreed to between User and City. Use of the Building for a "retail" use, involving frequent visits by members of the public, is not permitted.

User's Name and Address. User may only transact business from the Building in its own name or some other name that City consents in writing to allow. User shall not put up any signs on the doors to the Areas or anywhere else which is visible from outside the Areas which User is then using. User may use the Building's address as its business address during the term hereof; provided, however, that User may not use the pictures or illustrations of the Building in any advertising or other publicity without the prior written consent of City.

City's property. User must take good care of all parts of the Building, including any equipment, fixtures and furnishings which User is permitted to use hereunder. User shall not alter any part of the Building or City's equipment, fixtures or furnishings. User shall be liable for any damage caused by User or its employees, agents, customers, vendors, permittees or invitees.

Furniture and equipment. User shall not install any furniture or office equipment, satellite or microwave antennas or dishes, cabling, technology or telecommunication lines or connections without City's prior written consent, which City may refuse at City's sole and absolute discretion.

Keys. Any keys or entry cards which City permits User to use shall remain City's property at all times. User must not make any copies of them or allow anyone else to use them without City's consent. Any loss of keys or entry cards must be reported to City immediately and User must pay the cost of replacement keys or entry cards and of changing locks, if required. If User is permitted to use the Building outside normal Building hours, then User shall be responsible for locking the doors to User's Areas and to the Building when User leaves.

Compliance with law. User must comply with all relevant laws and regulations in the conduct of User's business. User must do nothing illegal. User must not do anything that may interfere with the use of the Building by City or by others permitted to use the Building, cause any nuisance or annoyance, increase the insurance premiums City has to pay or cause loss or damage to City. User acknowledges that the terms of the foregoing sentence are a material inducement to City for the execution of User's agreement.

Compliance with Building rules. User must comply with all Building rules, policies and procedures that City imposes generally on users of the Building, whether for reasons of health and safety, fire precautions or otherwise as amended by City from time to time in its discretion ("City Rules").

Insurance. User shall obtain and maintain the following insurance policies: (a) property insurance for User's own property and items which User bring into the Building, (b) workman's compensation insurance in the minimum amounts required under applicable state law, and (c) commercial general liability of no less than $1,000,000.

PROVIDING THE SERVICES

Access to the Areas. City shall have the right to enter the Areas that User is permitted to use hereunder at any time and without prior notice; provided, however, that City will use its reasonable efforts to respect security procedures to protect the confidentiality of User's business.

Parking. User may, subject to rules made by City, use one (1) parking space per Area on a nonexclusive basis with other users of the Building.

Unavailability of Areas. If for any reason City cannot provide the number of Areas stated in the License Summary by the date specified in the License Summary or during the term hereof, City shall not be liable to User for any losses or damages of User whatsoever, provided, however, City will not charge User the standard fee for Areas User cannot use until such Areas or substitutes thereto become available.

City's liability. City shall not be liable for any loss, liability or damage as a result of City's failure to provide all or any portion of the Areas or services hereunder as a result of mechanical breakdown, strike, delay, failure of staff, termination of City's interest in the building containing the Building or for any reason whatsoever that is beyond the reasonable control of City. City may suspend the provision of Areas and services (including access to the Areas) for reasons of political unrest, strikes, or other events beyond City's reasonable control, in which event payment of the standard fee will also be suspended for the same period.

Security. City makes no warranty or representation to User with respect to any security services or systems. User shall be fully responsible for the safety and security of its personal property brought onto the Building.

USER'S AGREEMENT

User's agreement. User acknowledges that its use of the Areas and services permitted under this License are solely being provided by City so that City can provide services to User. This License is personal to User, unassignable and revocable by City at any time; User acknowledges that its rights hereunder are solely that of a licensee, and therefore, User cannot transfer any rights hereunder to anyone else.

TERM AND TERMINATION

Duration. This License may be terminated at any time by City by providing notice to User. If such termination by City is purely for convenience, then City will provide a minimum of thirty (30) days advance written notice of City's intent to terminate this License. This License may be terminated by User upon thirty (30) days prior written notice to City of the termination date. If User terminates this License, User shall be obligated to pay the standard license fees through the termination date set forth in the notice (regardless of the date User vacates any or all of the Areas) and, in addition, if such termination date is within twelve (12) months of the date User moved into the Area(s), then User shall pay City a termination fee equal to fifty percent (50%) of the standard license fee that would have been paid if the termination date were twelve (12) months following the date User moved into the Area(s) to compensate City for administrative and transaction costs associated with the termination.

If the Building is not available. In the unlikely event that City is no longer able to provide the Areas and/or services (or reasonable substitutes thereto) at the Building stated in the License Summary, then this License will end and User will only have to pay standard fees up to the date this License ends.

When License ends. Upon the termination of this License:

1. User shall vacate the Areas and the Building immediately, leaving them in the same condition as they were in when User moved in, reasonable wear and tear excepted. If User leaves any of User's own property in the Building after this License has been terminated, City may dispose of it in any way City chooses without liability to User for such property or any proceeds of sale thereof; and

2. User shall indemnify City for any loss, claim or liability City incurs as a result of User's failure to vacate on time.

Notices. Any notices permitted or required under this License must be in writing and will be deemed given when delivered personally, by facsimile (with confirmation of receipt), by air express courier (charges prepaid with return receipt requested), or five (5) days after deposit in the U.S. mail. City may provide notice of amendments to any services provided hereunder, Building rules or increases in license fees or service retainers by e-mail or publication of the same on a City designated Web Site, which is identified by notice given in any of the foregoing manners. All other notices permitted hereunder shall be addressed to the other party at the address identified in the License Summary, but each party may change the address by written notice in accordance with this paragraph.

Indemnification. Except to the extent caused by City's gross negligence or willful misconduct, User will defend, indemnify and hold City and its affiliates, officers, directors, employees, agents and successors and assigns harmless from any and all liability, claims, damages, loss and expenses (including attorneys' fees) incurred in connection with or arising from any acts, omissions or negligence of User or any person claiming by, through or under User or any breach of this License.

Consequential loss. If for any reason City cannot provide User with any Areas or services, City's liability is limited to crediting or returning to User a fair proportion of the relevant standard fee. To the extent permitted by law, City will have no liability whatsoever for any consequential loss as a result of anything City or City's manager do or fail to do.

Applicable law. This License shall be interpreted and enforced in accordance with the laws of the state of California.

FEES

Standard license fee. The standard license fee initially charged by City is set forth in the License Summary; City reserves the right to increase such fee at any time and from time to time by giving notice of the same to User. The standard license fee is payable in advance in full by the 1st day of each month in respect of standard services to be provided during such calendar month. For any period of time less than a month, the license fee will be apportioned on a daily basis. User agrees to promptly pay (or reimburse City, if applicable, for) (i) all sales, use, excise and any other taxes and license fees which User is required to pay to any governmental authority (and, at City's request, will provide to City evidence of such payment) and (ii) any taxes paid by City to any governmental authority that are attributable to the accommodation, including, without limitation, any gross receipts, occupancy taxes, or tangible personal property taxes.

Payment terms. Payment is due on the 1st of each month. A late fee of 10% will be charged after the 10th of the month. Any amounts not paid when due shall, in addition to any other remedies, bear interest at a rate of 1.2% per month (or the maximum rate allowed by law, if less) on the delinquent amount from the date due. All payments will be made in U.S. Dollars to City at the address stated in the License Summary, or such other address that is from time to time designated by City.

Service retainer. The service retainer specified in the License Summary (if any) User paid on entering into this License will be held by City, without interest, as security for performance of all User's obligations under this License. The service retainer, or any balance after deducting outstanding fees and other costs due to City hereunder, will be returned to User within 60 days after the termination of this License. City may require User to pay an increased service retainer if outstanding fees exceed the service retainer held or if User fails to timely pay any amounts due hereunder.

Withholding services. City may withhold services (including for the avoidance of doubt, denying User access to User's Areas) while there are any outstanding fees or User is otherwise in breach of this License.

THE CITY OF LAGUNA HILLS

By: Bob Wingenroth

By:_____
Its: City Manager

"User"

By:_____
John A. Rosenbaum

RULES AND REGULATIONS

ATTACHED TO AND MADE A PART OF ACCOMODATION LICENSE AGREEMENT

The following Rules and Regulations shall be in effect at the Office Building Project. City reserves the right to adopt reasonable modifications and additions hereto. In the case of any conflict between these Rules and Regulations and the License, the License shall be controlling.

1. Except with the prior written consent of City, no User shall conduct any retail sales or any manufacturing of any kind in or from the Premises, or any business other than that specifically provided for in the License.

2. City reserves the right to prohibit personal goods and services vendors from access to the Office Building Project except upon such reasonable terms and conditions, including but not limited to the payment of a reasonable fee and provision for insurance coverage, as are related to the safety, care and cleanliness of the Office Building Project, the preservation of good order thereon, and the relief of any financial or other burden on City occasioned by the presence of such vendors or the sale by them of personal goods or services to the User or its employees. If reasonably necessary for the accomplishment of these purposes, City may exclude a particular vendor entirely or limit the number of vendors who may be present at any one time in the Office Building Project. The term "personal goods or services vendors" means persons who periodically enter the Office Building Project of which the Premises are a part for the purpose of selling goods or services to a User, other than goods or services, which are used by a User only for the purpose of conducting its business on the Premises. "Personal goods or services" include, but are not limited to, drinking water and other beverages, food, barbering services, and shoe shining services. This Section 2 shall not apply to User's vendors and suppliers in connection with User's operation of its business.

3. The sidewalks, halls, passages, elevators and stairways shall not be obstructed by any User or used by it for any purpose other than for ingress to and egress from their respective Premises. The halls, passages, entrances, elevators, stairways, balconies and roof are not for the use of the general public, and City shall in all cases retain the right to control and prevent access thereto of all persons whose presence in the judgment of City shall be prejudicial to the safety, character, reputation and interests of the Office Building Project and its Users, provided that nothing herein contained shall be construed to prevent such access to persons with whom User normally deals only for the purpose of conducting its business on the Premises (such as clients, customers, office suppliers and equipment vendors, and the like) unless such persons are engaged in illegal activities. No User and no employees of any User shall go upon the roof of the Building without the written consent of City. This Section 3 shall not apply to User's vendor's suppliers in connection with User's operation of its business.

4. The sashes, sash doors, windows, glass lights, and any lights or skylights that reflect or admit light into the halls or other places of the Building shall not be covered or obstructed. The toilet rooms, water and wash closets and other water apparatus shall not be used for any purpose other than that or which they were constructed, and no foreign substance of any kind whatsoever shall be thrown therein, and the expense of any breakage, stoppage or damage, resulting from the violation of this rule shall be borne by the User who, or whose clerks, agents, employees, or visitors, shall have caused it.

5. No sign, advertisement or notice visible from the exterior of the Premises or Building shall be inscribed, painted or affixed by User on any part of the Office Building Project or the Premises without the prior written consent of City. If City shall have given such consent at any time, whether before or after the execution of this License, such consent shall in no way operate as a waiver or release of any of the provisions hereof or of this License, and shall be deemed to relate only to the particular sign, advertisement or notice so consented to by City and shall not be construed as dispensing with the necessity or obtaining the specific written consent of City with respect to each and every such sign, advertisement or notice, as the case may be, so consented to by City. City shall have the

right to remove any non-approved sign, advertisement or notice, without notice to and at the expense of User, and City shall not be liable in damages for such removal.

6. In order to maintain the outward professional appearance of the Office Building Project all window coverings to be installed at the Premises shall be subject to City's prior approval. If City, by a notice in writing to User, shall object to any curtain, blind, shade or screen attached to or hung in, or used in connection with, any window door of the Premises, such use of such curtain, blind, shade or screen shall be forthwith discontinued by User. No awnings shall be permitted on any part of the Premises.

7. User shall not lay linoleum, tile, carpet or other similar floor covering so that the same shall be affixed to the floor of the Premises in any manner except as approved by City.

8. User shall not do or permit anything to be done in the Premises, or bring or keep anything therein, which shall in any way increase the rate of fire insurance on the Office Building Project, or on the property kept therein, or obstruct or interfere with the rights of other Users, or in any way injure or annoy them, or conflict with the regulations of the Fire Department or the fire laws, or with any insurance policy upon the Office Building Project, or any part thereof, or with any rules and ordinances established by the Board of Health or other governmental authority.

9. No User shall sweep or throw or permit to be swept or thrown from the Premises any dirt or other substance into any of the corridors or halls or elevators, or out of the doors or windows or stairways of the Building. User shall not use, keep or permit to be used any foul or noxious gas or substance in the Premises, or permit or suffer the Premises to be occupied or used in a manner offensive or objectionable to City or other occupants of the Office Building Project by reason of noise, odors, fire hazards and/or vibrations, or interfere in any way with other Users or those having business therein, nor shall any animals or birds be kept in or about the Office Building Project.

10. User and its employees, agents and invitees shall not smoke any tobacco products or any other smoking materials whatsoever in the Premises, Building, common areas or any other area of the Project except in such areas, if any, as shall be designated by City for smoking, in City's sole and absolute discretion.

11. No cooking shall be done or permitted by User on the Premises, except for the use of a microwave oven for food or Underwriter's Laboratory approved equipment for brewing coffee, tea, and similar beverages shall be permitted, provided that such use is in compliance with law. Offices in the Office Building Project shall not be used for the storage of merchandise or for sleeping or lodging.

12. User, upon the termination of its tenancy, shall deliver to City all the keys of offices, rooms and toilet rooms which shall have been furnished User or which User shall have had made, and in the event of loss of any keys so furnished, shall pay City therefore.

13. On Saturdays after 6:00pm., Sundays and legal holidays, and on other days between the hours of 9:00 p.m. and 7:00 a.m., access to the Office Building Project or to the halls, corridors, elevators or stairways in the Building, or to the Premises may be refused unless the person seeking access is known to the building watchman, if any, in charge and has a pass or is properly identified. City shall in no case be liable for damages for the admission to or exclusion from the Office Building Project of any person whom City has the right to exclude under Rule 3 above. In case of invasion, mob, riot, public excitement, or other commotion, City reserves the right but shall not be obligated to prevent access to the Office Building Project during the continuance of the same by closing the doors or otherwise, for the safety of the tenants and protection of property in the Office Building Project.

14. User shall see that the windows and doors of the Premises are closed and securely locked before leaving the building and User shall exercise extraordinary care and caution that all water faucets or water apparatus are entirely shut off before User or User's employees leave the Building, and that all electricity, gas or air shall likewise be carefully shut off,

so as to prevent waste or damage, and for any default or carelessness User shall make good all injuries sustained by other Users or occupants of the Building or City.

15. User shall not alter any lock or install a new or additional lock or any bolt on any door of the Premises without prior written consent of City. If City shall give its consent, User shall in each case furnish City with a key for any such lock.

16. User shall not install equipment such as, but not limited to, electronic tabulating or computer equipment requiring electrical or air conditioning service in excess of those to be provided by City under the License and any such equipment shall be placed in the Premises in settings approved by City to adsorb or prevent any vibration, noise or annoyance.

17. No bicycle, or shopping cart, or other vehicle or any animal shall be brought into the Premises or the halls, corridors, elevators or any part of the Building by User.

18. City shall have the right to prohibit the use of the name of the Office Building Project or any other publicity by User which in Landlord's opinion tends to impair the reputation of the Office Building Project, or their desirability for other Users, and upon written notice from City, User will refrain from or discontinue such publicity.

19. User shall not erect any aerial or antenna on the roof or exterior walls of the Premises, the Building, or the Office Building Project.

20. User shall not overload the floor of the Premises. In addition, User shall not mark, drive nails, screw or drill into partitions, ceilings or floor of the Premises or deface the Premises.

21. No furniture, freight or equipment of any kind shall be brought into the Building or the Building's elevator without the consent of City and all moving of the same into or out of the Building shall be done at such time and in such manner, as City shall designate. City shall have the right to prescribe the weight, size and position of all safes and other heavy equipment brought into the Building and also the times and manner of moving the same in and out of the Office Building Project. Safes or other heavy objects shall, if considered necessary by City, stand on wood strips of such thickness as is necessary to properly distribute the weight. However, City's consent to placement of User's safes, heavy equipment or furniture shall not constitute a representation or warranty by City that the safe, heavy equipment or furniture complies, with regard to distribution of weight and/or vibration, with the provisions of the Rule 21 nor relieve User from responsibility for the consequences of noncompliance. City will not be responsible for loss of or damage to any safe or property from any cause and all damage done to the Building by moving or maintaining any such safe or property from any cause and all damage done to the Building by moving or maintaining any such safe or other property shall be repaired at the expense of User. There shall not be used in any space, or in the public halls of the Building, either by any User or others, any hand trucks except those equipped with rubber tires and side guards.

22. Except with the written consent of City, no person or persons other than those approved by City shall be permitted to enter the Building for their purpose of cleaning the same. User shall not cause any unnecessary labor by reason of User's carelessness or indifference in the preservation of good order and cleanliness. City shall in no way be responsible to any User for any loss of property on the Premises, however occurring, or for any damage done to the effects of any User by the janitor or any other employee or any other person. Janitor service shall include ordinary dusting and cleaning by the janitor assigned to such work and shall not include cleaning of carpets or rugs, except normal vacuuming, or moving of furniture and other special services. Janitor service may not be furnished on nights when rooms are occupied after 9:00p.m.

23. City will direct electricians as to where and how telephone and telegraph wires are to be introduced. No boring or cutting for wires will be allowed without the consent of City. The location of telephones, call boxes and other office equipment affixed to the Premises shall be subject to the approval of City.

24. No furniture, packages, supplies, equipment or merchandise will be received in the Building or carried up or down in the elevators, except between such hours and in such elevators as shall be designated by City.

25. City reserves the right to exclude or expel from the Office Building Project any person who in the judgment of City, is intoxicated or under the influence of liquor or illegal, non-prescription drugs, or who shall in any manner do any act in violation of any of the Rules and Regulations of the Office Building Project.

26. The requirements of User will be attended to only upon application to City. Contractors, vendors and employees of City shall not perform any work or do anything outside of their regular duties unless under special instructions from the City or City's agent.

27. No vending machine shall be installed, maintained or operated upon the Premises without the written consent of the City.

28. City shall have the right, exercisable without notice and without liability to User, to change the name and the street address of the Building and/or Office Building Project of which the Premises are a part.

29. User agrees that it shall comply with all fire and security regulations that may be issued from time-to-time by City and User also shall provide City with the name of a designated responsible employee to represent User in all matters pertaining to such fire or security regulations.

30. City reserves the right by written notice to User, to rescind, alter or waive any rule or regulation at any time prescribed for the Office Building Project when, in City's judgment, it is necessary, desirable or proper for the best interest of the Office Building Project and its Users.

31. Users shall not disturb, solicit, or canvas any occupant of the Office Building Project and shall cooperate to prevent same.

32. City shall furnish heating and air conditioning during the hours of 7:00 a.m. to 6:00 p.m., Monday through Friday, and 8:00 a.m. to 12:00 p.m. on Saturday except for holidays. In the event User requires heating and air conditioning during off hours, Sundays or Holidays, City shall on notice provide such services at the then prevailing rate for such extra services.

33. User shall cooperate with City in obtaining maximum effectiveness of the cooling system by closing blinds when the sun's rays fall directly on windows of the premises. User shall not obstruct, alter, or in any way impair the efficient operation of City's heating, ventilating and air-conditioning system. User shall not tamper with or change the setting of any thermostats or control valves.

34. Parking

    (a) The parking lot shall be accessible twenty-four (24) hours per day, subject to parking card or other reasonable Identification or security restriction as may be reasonably established by City from time-to-time. User agrees to cooperate with City in completing regular maintenance of the parking lot.

    (b) Automobiles must be parked entirely within the stall lines.

    (c) All directional signs and arrows must be observed and the speed limit shall be 5 miles per hour.

    (d) Parking is prohibited in areas not striped for parking.

(e) City may refuse to permit any person who violates the within rules to park in the parking lot, and any violation of the rules shall subject the automobile to removal from the parking lot at the parker's expense.

(f) Every parker is required to park and lock his or her own automobile. All responsibility for any loss or damage to automobile or any personal property therein is assumed by the parker.

(g) The parking lot is for the sole purpose of parking one automobile per space. Washing, waxing, cleaning or servicing of any vehicles by the parker or his agents is prohibited.

(h) Storage of vehicles in the parking facilities is prohibited. User and User's employees and visitors shall not leave vehicles in the parking lot overnight.

(I) City reserves the right to restrict customer, User and User's employees parking to a limited designated area or areas.

35. User agrees to comply and acquaint its employees with such reasonable rules and regulations in the use of such Common areas as City may adopt from time to time for the orderly and proper operation of said Common Areas.

City reserves the right to make such other and further rules and regulations as in its judgment may be for the safety, care and cleanliness of the Office Building Project and for the preservation of good order therein. User agrees to abide by these Rules and Regulations herein above stated and any additional rules and regulations, which are adopted hereafter.

Date: _____ Date: 1/19/2026

City's Initials: _____ User's Initials: _____

ACCOMMODATION LICENSE SUMMARY

Building and Suite where User is located

Address 24031 El Toro Road, Suite 250B	City Laguna Hills
State CA	Zip Code 92653

User Information

Name: James P. Ferrara	Contact Name: James P. Ferrara
Address: 24031 El Toro Rd. Suite 250B	City: Laguna Hills
State: CA	Zip Code: 92653
Telephone: 949-581-7475	Email: jferraraea@gmail.com

User invoicing details (if different from above)

City name	Contact Name/Title
Address	City
State	Zip Code
Telephone	Fax

User Business

Tax Preparation/Services

Type	Areas Assigned	Start Date	Qty.	Fee per Area	Total Monthly Fee
Office	X	January 1, 2026	1	$656.11	$656.11
Workstation	N/A			$	$

Service Retainer	**$656.11**

The City is already in possession of a Service Retainer in the amount of $637.00. Upon execution of this License Agreement, User agrees to remit an additional $19.11 to City in order to bring Service Retainer amount to a total of $656.11.

Total due at signing **$675.22**

Make All Payments to: The City of Laguna Hills

c/o Essex Realty Management 17744 Sky Park Circle #100 Irvine, CA 92614

This License Summary applies to the provision of accommodations and services by City under the Accommodation License Agreement to which this is attached ("Agreement"). Capitalized terms not defined herein have the meaning ascribed to them in the Agreement.

THE CITY OF LAGUNA HILLS

By: Bob Wingenroth

By:_____
Its: City Manager

"User"

By:_____
James P. Ferrara

ACCOMMODATION LICENSE AGREEMENT

This Accommodation License Agreement ("License") is entered into by The City of Laguna Hills ("City") and the undersigned ("User") as of the date signed by City. This License includes the preceding Accommodation License Summary ("License Summary") and attached Rules and Regulations (Exhibit A) which are incorporated herein by this reference.

Purpose and Intent. The purpose of this License is to set forth the terms and provisions under which City will provide the accommodations and services described herein to User. Notwithstanding anything to the contrary contained herein or in the Master Services Agreement, City and User expressly acknowledge, confirm and agree that: (i) this License is and shall at all times be a license and is the commercial equivalent of an agreement for accommodation in a hotel; (ii) the relationship between City and User created hereunder is that of licensor-licensee, and not of landlord-tenant or lessor-lessee; and (iii) this License shall not create or be deemed to create any tenancy interest, leasehold estate or other real property interest in favor of User with respect to the accommodations and services provided hereunder.

ACCOMMODATION SERVICES

Accommodations Provided. City shall use its good faith efforts to provide User with the number of ~~furnished~~ offices and workstations (individually, an "Area" and collectively, the "Areas") specified on the License Summary within the Building and Suite specified in the License Summary ("Building"). User shall be responsible for all costs of installing any telephone or internet service to the Areas.

In connection with User's use of the Areas, City will use its good faith efforts to provide the following services during the Building's normal business hours (as the same may be modified from time to time by City):

1. access to User's Areas;
2. heating and air conditioning during normal business hours for the Building;
3. lighting and electrical power for normal business use;
4. cleaning and janitorial;
5. use of the common area generally made available to other users of the Building, including, without limitation, lobby and sanitary facilities; and
6. Wireless internet connection

Notwithstanding anything to the contrary contained in this License, the City reserves the right to add, delete or modify any or all of said services at any time. Any special arrangements for User's use of such services outside the Building's normal business hours will be considered in good faith by City within a reasonable time period after requested by User.

USING THE BUILDING

Move In. Upon moving in, User shall sign an inventory of all furniture and equipment User is permitted to use hereunder, together with a note of its condition, and details of the keys or entry cards issued to User.

Permitted Use. User may only use the Building (including, without limitation, the Areas) for the purposes stated in the License Summary or subsequently agreed to between User and City. Use of the Building for a "retail" use, involving frequent visits by members of the public, is not permitted.

User's Name and Address. User may only transact business from the Building in its own name or some other name that City consents in writing to allow. User shall not put up any signs on the doors to the Areas or anywhere else which is visible from outside the Areas which User is then using. User may use the Building's address as its business address during the term hereof; provided, however, that User may not use the pictures or illustrations of the Building in any advertising or other publicity without the prior written consent of City.

City's property. User must take good care of all parts of the Building, including any equipment, fixtures and furnishings which User is permitted to use hereunder. User shall not alter any part of the Building or City's equipment, fixtures or furnishings. User shall be liable for any damage caused by User or its employees, agents, customers, vendors, permittees or invitees.

Furniture and equipment. User shall not install any furniture or office equipment, satellite or microwave antennas or dishes, cabling, technology or telecommunication lines or connections without City's prior written consent, which City may refuse at City's sole and absolute discretion.

Keys. Any keys or entry cards which City permits User to use shall remain City's property at all times. User must not make any copies of them or allow anyone else to use them without City's consent. Any loss of keys or entry cards must be reported to City immediately and User must pay the cost of replacement keys or entry cards and of changing locks, if required. If User is permitted to use the Building outside normal Building hours, then User shall be responsible for locking the doors to User's Areas and to the Building when User leaves.

Compliance with law. User must comply with all relevant laws and regulations in the conduct of User's business. User must do nothing illegal. User must not do anything that may interfere with the use of the Building by City or by others permitted to use the Building, cause any nuisance or annoyance, increase the insurance premiums City has to pay or cause loss or damage to City. User acknowledges that the terms of the foregoing sentence are a material inducement to City for the execution of User's agreement.

Compliance with Building rules. User must comply with all Building rules, policies and procedures that City imposes generally on users of the Building, whether for reasons of health and safety, fire precautions or otherwise as amended by City from time to time in its discretion ("City Rules").

Insurance. User shall obtain and maintain the following insurance policies: (a) property insurance for User's own property and items which User bring into the Building, (b) workman's compensation insurance in the minimum amounts required under applicable state law, and (c) commercial general liability of no less than $1,000,000.

PROVIDING THE SERVICES

Access to the Areas. City shall have the right to enter the Areas that User is permitted to use hereunder at any time and without prior notice; provided, however, that City will use its reasonable efforts to respect security procedures to protect the confidentiality of User's business.

Parking. User may, subject to rules made by City, use one (1) parking space per Area on a nonexclusive basis with other users of the Building.

Unavailability of Areas. If for any reason City cannot provide the number of Areas stated in the License Summary by the date specified in the License Summary or during the term hereof, City shall not be liable to User for any losses or damages of User whatsoever, provided, however, City will not charge User the standard fee for Areas User cannot use until such Areas or substitutes thereto become available.

City's liability. City shall not be liable for any loss, liability or damage as a result of City's failure to provide all or any portion of the Areas or services hereunder as a result of mechanical breakdown, strike, delay, failure of staff, termination of City's interest in the building containing the Building or for any reason whatsoever that is beyond the reasonable control of City. City may suspend the provision of Areas and services (including access to the Areas) for reasons of political unrest, strikes, or other events beyond City's reasonable control, in which event payment of the standard fee will also be suspended for the same period.

Security. City makes no warranty or representation to User with respect to any security services or systems. User shall be fully responsible for the safety and security of its personal property brought onto the Building.

USER'S AGREEMENT

User's agreement. User acknowledges that its use of the Areas and services permitted under this License are solely being provided by City so that City can provide services to User. This License is personal to User, unassignable and revocable by City at any time; User acknowledges that its rights hereunder are solely that of a licensee, and therefore, User cannot transfer any rights hereunder to anyone else.

TERM AND TERMINATION

Duration. This License may be terminated at any time by City by providing notice to User. If such termination by City is purely for convenience, then City will provide a minimum of thirty (30) days advance written notice of City's intent to terminate this License. This License may be terminated by User upon thirty (30) days prior written notice to City of the termination date. If User terminates this License, User shall be obligated to pay the standard license fees through the termination date set forth in the notice (regardless of the date User vacates any or all of the Areas) and, in addition, if such termination date is within twelve (12) months of the date User moved into the Area(s), then User shall pay City a termination fee equal to fifty percent (50%) of the standard license fee that would have been paid if the termination date were twelve (12) months following the date User moved into the Area(s) to compensate City for administrative and transaction costs associated with the termination.

If the Building is not available. In the unlikely event that City is no longer able to provide the Areas and/or services (or reasonable substitutes thereto) at the Building stated in the License Summary, then this License will end and User will only have to pay standard fees up to the date this License ends.

When License ends. Upon the termination of this License:

1. User shall vacate the Areas and the Building immediately, leaving them in the same condition as they were in when User moved in, reasonable wear and tear excepted. If User leaves any of User's own property in the Building after this License has been terminated, City may dispose of it in any way City chooses without liability to User for such property or any proceeds of sale thereof; and

2. User shall indemnify City for any loss, claim or liability City incurs as a result of User's failure to vacate on time.

Notices. Any notices permitted or required under this License must be in writing and will be deemed given when delivered personally, by facsimile (with confirmation of receipt), by air express courier (charges prepaid with return receipt requested), or five (5) days after deposit in the U.S. mail. City may provide notice of amendments to any services provided hereunder, Building rules or increases in license fees or service retainers by e-mail or publication of the same on a City designated Web Site, which is identified by notice given in any of the foregoing manners. All other notices permitted hereunder shall be addressed to the other party at the address identified in the License Summary, but each party may change the address by written notice in accordance with this paragraph.

Indemnification. Except to the extent caused by City's gross negligence or willful misconduct, User will defend, indemnify and hold City and its affiliates, officers, directors, employees, agents and successors and assigns harmless from any and all liability, claims, damages, loss and expenses (including attorneys' fees) incurred in connection with or arising from any acts, omissions or negligence of User or any person claiming by, through or under User or any breach of this License.

Consequential loss. If for any reason City cannot provide User with any Areas or services, City's liability is limited to crediting or returning to User a fair proportion of the relevant standard fee. To the extent permitted by law, City will have no liability whatsoever for any consequential loss as a result of anything City or City's manager do or fail to do.

Applicable law. This License shall be interpreted and enforced in accordance with the laws of the state of California.

FEES

Standard license fee. The standard license fee initially charged by City is set forth in the License Summary; City reserves the right to increase such fee at any time and from time to time by giving notice of the same to User. The standard license fee is payable in advance in full by the 1st day of each month in respect of standard services to be provided during such calendar month. For any period of time less than a month, the license fee will be apportioned on a daily basis. User agrees to promptly pay (or reimburse City, if applicable, for) (i) all sales, use, excise and any other taxes and license fees which User is required to pay to any governmental authority (and, at City's request, will provide to City evidence of such payment) and (ii) any taxes paid by City to any governmental authority that are attributable to the accommodation, including, without limitation, any gross receipts, occupancy taxes, or tangible personal property taxes.

Payment terms. Payment is due on the 1st of each month. A late fee of 10% will be charged after the 10th of the month. Any amounts not paid when due shall, in addition to any other remedies, bear interest at a rate of 1.2% per month (or the maximum rate allowed by law, if less) on the delinquent amount from the date due. All payments will be made in U.S. Dollars to City at the address stated in the License Summary, or such other address that is from time to time designated by City.

Service retainer. The service retainer specified in the License Summary (if any) User paid on entering into this License will be held by City, without interest, as security for performance of all User's obligations under this License. The service retainer, or any balance after deducting outstanding fees and other costs due to City hereunder, will be returned to User within 60 days after the termination of this License. City may require User to pay an increased service retainer if outstanding fees exceed the service retainer held or if User fails to timely pay any amounts due hereunder.

Withholding services. City may withhold services (including for the avoidance of doubt, denying User access to User's Areas) while there are any outstanding fees or User is otherwise in breach of this License.

THE CITY OF LAGUNA HILLS

By: Bob Wingenroth

By:_____
Its: City Manager

"User"

By:_____
James P. Ferrara

RULES AND REGULATIONS

ATTACHED TO AND MADE A PART OF ACCOMODATION LICENSE AGREEMENT

The following Rules and Regulations shall be in effect at the Office Building Project. City reserves the right to adopt reasonable modifications and additions hereto. In the case of any conflict between these Rules and Regulations and the License, the License shall be controlling.

1. Except with the prior written consent of City, no User shall conduct any retail sales or any manufacturing of any kind in or from the Premises, or any business other than that specifically provided for in the License.

2. City reserves the right to prohibit personal goods and services vendors from access to the Office Building Project except upon such reasonable terms and conditions, including but not limited to the payment of a reasonable fee and provision for insurance coverage, as are related to the safety, care and cleanliness of the Office Building Project, the preservation of good order thereon, and the relief of any financial or other burden on City occasioned by the presence of such vendors or the sale by them of personal goods or services to the User or its employees. If reasonably necessary for the accomplishment of these purposes, City may exclude a particular vendor entirely or limit the number of vendors who may be present at any one time in the Office Building Project. The term "personal goods or services vendors" means persons who periodically enter the Office Building Project of which the Premises are a part for the purpose of selling goods or services to a User, other than goods or services, which are used by a User only for the purpose of conducting its business on the Premises. "Personal goods or services" include, but are not limited to, drinking water and other beverages, food, barbering services, and shoe shining services. This Section 2 shall not apply to User's vendors and suppliers in connection with User's operation of its business.

3. The sidewalks, halls, passages, elevators and stairways shall not be obstructed by any User or used by it for any purpose other than for ingress to and egress from their respective Premises. The halls, passages, entrances, elevators, stairways, balconies and roof are not for the use of the general public, and City shall in all cases retain the right to control and prevent access thereto of all persons whose presence in the judgment of City shall be prejudicial to the safety, character, reputation and interests of the Office Building Project and its Users, provided that nothing herein contained shall be construed to prevent such access to persons with whom User normally deals only for the purpose of conducting its business on the Premises (such as clients, customers, office suppliers and equipment vendors, and the like) unless such persons are engaged in illegal activities. No User and no employees of any User shall go upon the roof of the Building without the written consent of City. This Section 3 shall not apply to User's vendor's suppliers in connection with User's operation of its business.

4. The sashes, sash doors, windows, glass lights, and any lights or skylights that reflect or admit light into the halls or other places of the Building shall not be covered or obstructed. The toilet rooms, water and wash closets and other water apparatus shall not be used for any purpose other than that or which they were constructed, and no foreign substance of any kind whatsoever shall be thrown therein, and the expense of any breakage, stoppage or damage, resulting from the violation of this rule shall be borne by the User who, or whose clerks, agents, employees, or visitors, shall have caused it.

right to remove any non-approved sign, advertisement or notice, without notice to and at the expense of User, and City shall not be liable in damages for such removal.

6. In order to maintain the outward professional appearance of the Office Building Project all window coverings to be installed at the Premises shall be subject to City's prior approval. If City, by a notice in writing to User, shall object to any curtain, blind, shade or screen attached to or hung in, or used in connection with, any window door of the Premises, such use of such curtain, blind, shade or screen shall be forthwith discontinued by User. No awnings shall be permitted on any part of the Premises.

7. User shall not lay linoleum, tile, carpet or other similar floor covering so that the same shall be affixed to the floor of the Premises in any manner except as approved by City.

8. User shall not do or permit anything to be done in the Premises, or bring or keep anything therein, which shall in any way increase the rate of fire insurance on the Office Building Project, or on the property kept therein, or obstruct or interfere with the rights of other Users, or in any way injure or annoy them, or conflict with the regulations of the Fire Department or the fire laws, or with any insurance policy upon the Office Building Project, or any part thereof, or with any rules and ordinances established by the Board of Health or other governmental authority.

9. No User shall sweep or throw or permit to be swept or thrown from the Premises any dirt or other substance into any of the corridors or halls or elevators, or out of the doors or windows or stairways of the Building. User shall not use, keep or permit to be used any foul or noxious gas or substance in the Premises, or permit or suffer the Premises to be occupied or used in a manner offensive or objectionable to City or other occupants of the Office Building Project by reason of noise, odors, fire hazards and/or vibrations, or interfere in any way with other Users or those having business therein, nor shall any animals or birds be kept in or about the Office Building Project.

10. User and its employees, agents and invitees shall not smoke any tobacco products or any other smoking materials whatsoever in the Premises, Building, common areas or any other area of the Project except in such areas, if any, as shall be designated by City for smoking, in City's sole and absolute discretion.

11. No cooking shall be done or permitted by User on the Premises, except for the use of a microwave oven for food or Underwriter's Laboratory approved equipment for brewing coffee, tea, and similar beverages shall be permitted, provided that such use is in compliance with law. Offices in the Office Building Project shall not be used for the storage of merchandise or for sleeping or lodging.

12. User, upon the termination of its tenancy, shall deliver to City all the keys of offices, rooms and toilet rooms which shall have been furnished User or which User shall have had made, and in the event of loss of any keys so furnished, shall pay City therefore.

13. On Saturdays after 6:00pm., Sundays and legal holidays, and on other days between the hours of 9:00 p.m. and 7:00 a.m., access to the Office Building Project or to the halls, corridors, elevators or stairways in the Building, or to the Premises may be refused unless the person seeking access is known to the building watchman, if any, in charge and has a pass or is properly identified. City shall in no case be liable for damages for the admission to or exclusion from the Office Building Project of any person whom City has

so as to prevent waste or damage, and for any default or carelessness User shall make good all injuries sustained by other Users or occupants of the Building or City.

15. User shall not alter any lock or install a new or additional lock or any bolt on any door of the Premises without prior written consent of City. If City shall give its consent, User shall in each case furnish City with a key for any such lock.

16. User shall not install equipment such as, but not limited to, electronic tabulating or computer equipment requiring electrical or air conditioning service in excess of those to be provided by City under the License and any such equipment shall be placed in the Premises in settings approved by City to adsorb or prevent any vibration, noise or annoyance.

17. No bicycle, or shopping cart, or other vehicle or any animal shall be brought into the Premises or the halls, corridors, elevators or any part of the Building by User.

18. City shall have the right to prohibit the use of the name of the Office Building Project or any other publicity by User which in Landlord's opinion tends to impair the reputation of the Office Building Project, or their desirability for other Users, and upon written notice from City, User will refrain from or discontinue such publicity.

19. User shall not erect any aerial or antenna on the roof or exterior walls of the Premises, the Building, or the Office Building Project.

20. User shall not overload the floor of the Premises. In addition, User shall not mark, drive nails, screw or drill into partitions, ceilings or floor of the Premises or deface the Premises.

21. No furniture, freight or equipment of any kind shall be brought into the Building or the Building's elevator without the consent of City and all moving of the same into or out of the Building shall be done at such time and in such manner, as City shall designate. City shall have the right to prescribe the weight, size and position of all safes and other heavy equipment brought into the Building and also the times and manner of moving the same in and out of the Office Building Project. Safes or other heavy objects shall, if considered necessary by City, stand on wood strips of such thickness as is necessary to properly distribute the weight. However, City's consent to placement of User's safes, heavy equipment or furniture shall not constitute a representation or warranty by City that the safe, heavy equipment or furniture complies, with regard to distribution of weight and/or vibration, with the provisions of the Rule 21 nor relieve User from responsibility for the consequences of noncompliance. City will not be responsible for loss of or damage to any safe or property from any cause and all damage done to the Building by moving or maintaining any such safe or property from any cause and all damage done to the Building by moving or maintaining any such safe or other property shall be repaired at the expense of User. There shall not be used in any space, or in the public halls of the Building, either by any User or others, any hand trucks except those equipped with rubber tires and side guards.

22. Except with the written consent of City, no person or persons other than those approved by City shall be permitted to enter the Building for their purpose of cleaning the same. User shall not cause any unnecessary labor by reason of User's carelessness or indifference in the preservation of good order and cleanliness. City shall in no way be

24. No furniture, packages, supplies, equipment or merchandise will be received in the Building or carried up or down in the elevators, except between such hours and in such elevators as shall be designated by City.

25. City reserves the right to exclude or expel from the Office Building Project any person who in the judgment of City, is intoxicated or under the influence of liquor or illegal, non-prescription drugs, or who shall in any manner do any act in violation of any of the Rules and Regulations of the Office Building Project.

26. The requirements of User will be attended to only upon application to City. Contractors, vendors and employees of City shall not perform any work or do anything outside of their regular duties unless under special instructions from the City or City's agent.

27. No vending machine shall be installed, maintained or operated upon the Premises without the written consent of the City.

28. City shall have the right, exercisable without notice and without liability to User, to change the name and the street address of the Building and/or Office Building Project of which the Premises are a part.

29. User agrees that it shall comply with all fire and security regulations that may be issued from time-to-time by City and User also shall provide City with the name of a designated responsible employee to represent User in all matters pertaining to such fire or security regulations.

30. City reserves the right by written notice to User, to rescind, alter or waive any rule or regulation at any time prescribed for the Office Building Project when, in City's judgment, it is necessary, desirable or proper for the best interest of the Office Building Project and its Users.

31. Users shall not disturb, solicit, or canvas any occupant of the Office Building Project and shall cooperate to prevent same.

32. City shall furnish heating and air conditioning during the hours of 7:00 a.m. to 6:00 p.m., Monday through Friday, and 8:00 a.m. to 12:00 p.m. on Saturday except for holidays. In the event User requires heating and air conditioning during off hours, Sundays or Holidays, City shall on notice provide such services at the then prevailing rate for such extra services.

33. User shall cooperate with City in obtaining maximum effectiveness of the cooling system by closing blinds when the sun's rays fall directly on windows of the premises. User shall not obstruct, alter, or in any way impair the efficient operation of City's heating, ventilating and air-conditioning system. User shall not tamper with or change the setting of any thermostats or control valves.

34. Parking

(a) The parking lot shall be accessible twenty-four (24) hours per day, subject to parking card or other reasonable Identification or security restriction as may be reasonably established by City from

(e) City may refuse to permit any person who violates the within rules to park in the parking lot, and any violation of the rules shall subject the automobile to removal from the parking lot at the parker's expense.

(f) Every parker is required to park and lock his or her own automobile. All responsibility for any loss or damage to automobile or any personal property therein is assumed by the parker.

(g) The parking lot is for the sole purpose of parking one automobile per space. Washing, waxing, cleaning or servicing of any vehicles by the parker or his agents is prohibited.

(h) Storage of vehicles in the parking facilities is prohibited. User and User's employees and visitors shall not leave vehicles in the parking lot overnight.

(I) City reserves the right to restrict customer, User and User's employees parking to a limited designated area or areas.

35. User agrees to comply and acquaint its employees with such reasonable rules and regulations in the use of such Common areas as City may adopt from time to time for the orderly and proper operation of said Common Areas.

City reserves the right to make such other and further rules and regulations as in its judgment may be for the safety, care and cleanliness of the Office Building Project and for the preservation of good order therein. User agrees to abide by these Rules and Regulations herein above stated and any additional rules and regulations, which are adopted hereafter.

Date: _____ Date: 01/16/26

City's Initials: _____ User's Initials: _____

ACCOMMODATION LICENSE SUMMARY

Building and Suite where User is located

Address 24031 El Toro Road, Suite 250C	City Laguna Hills
State CA	Zip Code 92653

User Information

Name: Alan A. Pace & Domarina E. Pace	Contact Name: Alan A. Pace & Domarina E. Pace
Address: 24031 El Toro Rd. Suite 250C	City: Laguna Hills
State: CA	Zip Code: 92653
Telephone: 949-280-4042	Email: Pace4law@aol.com / drdomae@aim.com

User invoicing details (if different from above)

City name	Contact Name/Title
Address	City
State	Zip Code
Telephone	Fax

User Business

Attorney

Type	Areas Assigned	Start Date	Qty.	Fee per Area	Total Monthly Fee
Office	X	January 1, 2026	1	$656.48	$656.48
Workstation	N/A			$	$

Service Retainer	**$656.48**

The City is already in possession of a Service Retainer in the amount of $637.36. Upon execution of this License Agreement, User agrees to remit an additional $19.12 to City in order to bring Service Retainer amount to a total of $656.48.

Total due at signing **$675.60**

Make All Payments to: The City of Laguna Hills

c/o Essex Realty Management 17744 Sky Park Circle #100 Irvine, CA 92614

This License Summary applies to the provision of accommodations and services by City under the Accommodation License Agreement to which this is attached ("Agreement"). Capitalized terms not defined herein have the meaning ascribed to them in the Agreement.

THE CITY OF LAGUNA HILLS

By: Bob Wingenroth

By:_____
Its: City Manager

"User"

By:_____
Alan A. Pace

By:_____
Domarina E. Pace

ACCOMMODATION LICENSE AGREEMENT

This Accommodation License Agreement ("License") is entered into by The City of Laguna Hills ("City") and the undersigned ("User") as of the date signed by City. This License includes the preceding Accommodation License Summary ("License Summary") and attached Rules and Regulations (Exhibit A) which are incorporated herein by this reference.

Purpose and Intent. The purpose of this License is to set forth the terms and provisions under which City will provide the accommodations and services described herein to User. Notwithstanding anything to the contrary contained herein or in the Master Services Agreement, City and User expressly acknowledge, confirm and agree that: (i) this License is and shall at all times be a license and is the commercial equivalent of an agreement for accommodation in a hotel; (ii) the relationship between City and User created hereunder is that of licensor-licensee, and not of landlord-tenant or lessor-lessee; and (iii) this License shall not create or be deemed to create any tenancy interest, leasehold estate or other real property interest in favor of User with respect to the accommodations and services provided hereunder.

ACCOMMODATION SERVICES

Accommodations Provided. City shall use its good faith efforts to provide User with the number of ~~furnished~~ offices and workstations (individually, an "Area" and collectively, the "Areas") specified on the License Summary within the Building and Suite specified in the License Summary ("Building"). User shall be responsible for all costs of installing any telephone or internet service to the Areas.

In connection with User's use of the Areas, City will use its good faith efforts to provide the following services during the Building's normal business hours (as the same may be modified from time to time by City):

1. access to User's Areas;
2. heating and air conditioning during normal business hours for the Building;
3. lighting and electrical power for normal business use;
4. cleaning and janitorial;
5. use of the common area generally made available to other users of the Building, including, without limitation, lobby and sanitary facilities; and
6. Wireless internet connection

Notwithstanding anything to the contrary contained in this License, the City reserves the right to add, delete or modify any or all of said services at any time. Any special arrangements for User's use of such services outside the Building's normal business hours will be considered in good faith by City within a reasonable time period after requested by User.

USING THE BUILDING

Move In. Upon moving in, User shall sign an inventory of all furniture and equipment User is permitted to use hereunder, together with a note of its condition, and details of the keys or entry cards issued to User.

Permitted Use. User may only use the Building (including, without limitation, the Areas) for the purposes stated in the License Summary or subsequently agreed to between User and City. Use of the Building for a "retail" use, involving frequent visits by members of the public, is not permitted.

User's Name and Address. User may only transact business from the Building in its own name or some other name that City consents in writing to allow. User shall not put up any signs on the doors to the Areas or anywhere else which is visible from outside the Areas which User is then using. User may use the Building's address as its business address during the term hereof; provided, however, that User may not use the pictures or illustrations of the Building in any advertising or other publicity without the prior written consent of City.

City's property. User must take good care of all parts of the Building, including any equipment, fixtures and furnishings which User is permitted to use hereunder. User shall not alter any part of the Building or City's equipment, fixtures or furnishings. User shall be liable for any damage caused by User or its employees, agents, customers, vendors, permittees or invitees.

Furniture and equipment. User shall not install any furniture or office equipment, satellite or microwave antennas or dishes, cabling, technology or telecommunication lines or connections without City's prior written consent, which City may refuse at City's sole and absolute discretion.

Keys. Any keys or entry cards which City permits User to use shall remain City's property at all times. User must not make any copies of them or allow anyone else to use them without City's consent. Any loss of keys or entry cards must be reported to City immediately and User must pay the cost of replacement keys or entry cards and of changing locks, if required. If User is permitted to use the Building outside normal Building hours, then User shall be responsible for locking the doors to User's Areas and to the Building when User leaves.

Compliance with law. User must comply with all relevant laws and regulations in the conduct of User's business. User must do nothing illegal. User must not do anything that may interfere with the use of the Building by City or by others permitted to use the Building, cause any nuisance or annoyance, increase the insurance premiums City has to pay or cause loss or damage to City. User acknowledges that the terms of the foregoing sentence are a material inducement to City for the execution of User's agreement.

Compliance with Building rules. User must comply with all Building rules, policies and procedures that City imposes generally on users of the Building, whether for reasons of health and safety, fire precautions or otherwise as amended by City from time to time in its discretion ("City Rules").

Insurance. User shall obtain and maintain the following insurance policies: (a) property insurance for User's own property and items which User bring into the Building, (b) workman's compensation insurance in the minimum amounts required under applicable state law, and (c) commercial general liability of no less than $1,000,000.

PROVIDING THE SERVICES

Access to the Areas. City shall have the right to enter the Areas that User is permitted to use hereunder at any time and without prior notice; provided, however, that City will use its reasonable efforts to respect security procedures to protect the confidentiality of User's business.

Parking. User may, subject to rules made by City, use one (1) parking space per Area on a nonexclusive basis with other users of the Building.

Unavailability of Areas. If for any reason City cannot provide the number of Areas stated in the License Summary by the date specified in the License Summary or during the term hereof, City shall not be liable to User for any losses or damages of User whatsoever, provided, however, City will not charge User the standard fee for Areas User cannot use until such Areas or substitutes thereto become available.

City's liability. City shall not be liable for any loss, liability or damage as a result of City's failure to provide all or any portion of the Areas or services hereunder as a result of mechanical breakdown, strike, delay, failure of staff, termination of City's interest in the building containing the Building or for any reason whatsoever that is beyond the reasonable control of City. City may suspend the provision of Areas and services (including access to the Areas) for reasons of political unrest, strikes, or other events beyond City's reasonable control, in which event payment of the standard fee will also be suspended for the same period.

Security. City makes no warranty or representation to User with respect to any security services or systems. User shall be fully responsible for the safety and security of its personal property brought onto the Building.

USER'S AGREEMENT

User's agreement. User acknowledges that its use of the Areas and services permitted under this License are solely being provided by City so that City can provide services to User. This License is personal to User, unassignable and revocable by City at any time; User acknowledges that its rights hereunder are solely that of a licensee, and therefore, User cannot transfer any rights hereunder to anyone else.

TERM AND TERMINATION

Duration. This License may be terminated at any time by City by providing notice to User. If such termination by City is purely for convenience, then City will provide a minimum of thirty (30) days advance written notice of City's intent to terminate this License. This License may be terminated by User upon thirty (30) days prior written notice to City of the termination date. If User terminates this License, User shall be obligated to pay the standard license fees through the termination date set forth in the notice (regardless of the date User vacates any or all of the Areas) and, in addition, if such termination date is within twelve (12) months of the date User moved into the Area(s), then User shall pay City a termination fee equal to fifty percent (50%) of the standard license fee that would have been paid if the termination date were twelve (12) months following the date User moved into the Area(s) to compensate City for administrative and transaction costs associated with the termination.

If the Building is not available. In the unlikely event that City is no longer able to provide the Areas and/or services (or reasonable substitutes thereto) at the Building stated in the License Summary, then this License will end and User will only have to pay standard fees up to the date this License ends.

When License ends. Upon the termination of this License:

1. User shall vacate the Areas and the Building immediately, leaving them in the same condition as they were in when User moved in, reasonable wear and tear excepted. If User leaves any of User's own property in the Building after this License has been terminated, City may dispose of it in any way City chooses without liability to User for such property or any proceeds of sale thereof; and

2. User shall indemnify City for any loss, claim or liability City incurs as a result of User's failure to vacate on time.

Notices. Any notices permitted or required under this License must be in writing and will be deemed given when delivered personally, by facsimile (with confirmation of receipt), by air express courier (charges prepaid with return receipt requested), or five (5) days after deposit in the U.S. mail. City may provide notice of amendments to any services provided hereunder. Building rules or increases in license fees or service retainers by e-mail or publication of the same on a City designated Web Site, which is identified by notice given in any of the foregoing manners. All other notices permitted hereunder shall be addressed to the other party at the address identified in the License Summary, but each party may change the address by written notice in accordance with this paragraph.

Indemnification. Except to the extent caused by City's gross negligence or willful misconduct, User will defend, indemnify and hold City and its affiliates, officers, directors, employees, agents and successors and assigns harmless from any and all liability, claims, damages, loss and expenses (including attorneys' fees) incurred in connection with or arising from any acts, omissions or negligence of User or any person claiming by, through or under User or any breach of this License.

Consequential loss. If for any reason City cannot provide User with any Areas or services, City's liability is limited to crediting or returning to User a fair proportion of the relevant standard fee. To the extent permitted by law, City will have no liability whatsoever for any consequential loss as a result of anything City or City's manager do or fail to do.

Applicable law. This License shall be interpreted and enforced in accordance with the laws of the state of California.

FEES

Standard license fee. The standard license fee initially charged by City is set forth in the License Summary; City reserves the right to increase such fee at any time and from time to time by giving notice of the same to User. The standard license fee is payable in advance in full by the 1st day of each month in respect of standard services to be provided during such calendar month. For any period of time less than a month, the license fee will be apportioned on a daily basis. User agrees to promptly pay (or reimburse City, if applicable, for) (i) all sales, use, excise and any other taxes and license fees which User is required to pay to any governmental authority (and, at City's request, will provide to City evidence of such payment) and (ii) any taxes paid by City to any governmental authority that are attributable to the accommodation, including, without limitation, any gross receipts, occupancy taxes, or tangible personal property taxes.

Payment terms. Payment is due on the 1st of each month. A late fee of 10% will be charged after the 10th of the month. Any amounts not paid when due shall, in addition to any other remedies, bear interest at a rate of 1.2% per month (or the maximum rate allowed by law, if less) on the delinquent amount from the date due. All payments will be made in U.S. Dollars to City at the address stated in the License Summary, or such other address that is from time to time designated by City.

Service retainer. The service retainer specified in the License Summary (if any) User paid on entering into this License will be held by City, without interest, as security for performance of all User's obligations under this License. The service retainer, or any balance after deducting outstanding fees and other costs due to City hereunder, will be returned to User within 60 days after the termination of this License. City may require User to pay an increased service retainer if outstanding fees exceed the service retainer held or if User fails to timely pay any amounts due hereunder.

Withholding services. City may withhold services (including for the avoidance of doubt, denying User access to User's Areas) while there are any outstanding fees or User is otherwise in breach of this License.

THE CITY OF LAGUNA HILLS

By: Bob Wingenroth

By:_____
Its: City Manager

"User"

By:_____
Alan A. Pace

By:_____
Domarina E. Pace

RULES AND REGULATIONS

ATTACHED TO AND MADE A PART OF ACCOMODATION LICENSE AGREEMENT

The following Rules and Regulations shall be in effect at the Office Building Project. City reserves the right to adopt reasonable modifications and additions hereto. In the case of any conflict between these Rules and Regulations and the License, the License shall be controlling.

1. Except with the prior written consent of City, no User shall conduct any retail sales or any manufacturing of any kind in or from the Premises, or any business other than that specifically provided for in the License.

2. City reserves the right to prohibit personal goods and services vendors from access to the Office Building Project except upon such reasonable terms and conditions, including but not limited to the payment of a reasonable fee and provision for insurance coverage, as are related to the safety, care and cleanliness of the Office Building Project, the preservation of good order thereon, and the relief of any financial or other burden on City occasioned by the presence of such vendors or the sale by them of personal goods or services to the User or its employees. If reasonably necessary for the accomplishment of these purposes, City may exclude a particular vendor entirely or limit the number of vendors who may be present at any one time in the Office Building Project. The term "personal goods or services vendors" means persons who periodically enter the Office Building Project of which the Premises are a part for the purpose of selling goods or services to a User, other than goods or services, which are used by a User only for the purpose of conducting its business on the Premises. "Personal goods or services" include, but are not limited to, drinking water and other beverages, food, barbering services, and shoe shining services. This Section 2 shall not apply to User's vendors and suppliers in connection with User's operation of its business.

3. The sidewalks, halls, passages, elevators and stairways shall not be obstructed by any User or used by it for any purpose other than for ingress to and egress from their respective Premises. The halls, passages, entrances, elevators, stairways, balconies and roof are not for the use of the general public, and City shall in all cases retain the right to control and prevent access thereto of all persons whose presence in the judgment of City shall be prejudicial to the safety, character, reputation and interests of the Office Building Project and its Users, provided that nothing herein contained shall be construed to prevent such access to persons with whom User normally deals only for the purpose of conducting its business on the Premises (such as clients, customers, office suppliers and equipment vendors, and the like) unless such persons are engaged in illegal activities. No User and no employees of any User shall go upon the roof of the Building without the written consent of City. This Section 3 shall not apply to User's vendor's suppliers in connection with User's operation of its business.

4. The sashes, sash doors, windows, glass lights, and any lights or skylights that reflect or admit light into the halls or other places of the Building shall not be covered or obstructed. The toilet rooms, water and wash closets and other water apparatus shall not be used for any purpose other than that or which they were constructed, and no foreign substance of any kind whatsoever shall be thrown therein, and the expense of any breakage, stoppage or damage, resulting from the violation of this rule shall be borne by the User who, or whose clerks, agents, employees, or visitors, shall have caused it.

5. No sign, advertisement or notice visible from the exterior of the Premises or Building shall be inscribed, painted or affixed by User on any part of the Office Building Project or the Premises without the prior written consent of City. If City shall have given such consent at any time, whether before or after the execution of this License, such consent shall in no way operate as a waiver or release of any of the provisions hereof or of this License, and shall be deemed to relate only to the particular sign, advertisement or notice so consented to by City and shall not be construed as dispensing with the necessity or obtaining the specific written consent of City with respect to each and every such sign, advertisement or notice, as the case may be, so consented to by City. City shall have the

right to remove any non-approved sign, advertisement or notice, without notice to and at the expense of User, and City shall not be liable in damages for such removal.

6. In order to maintain the outward professional appearance of the Office Building Project all window coverings to be installed at the Premises shall be subject to City's prior approval. If City, by a notice in writing to User, shall object to any curtain, blind, shade or screen attached to or hung in, or used in connection with, any window door of the Premises, such use of such curtain, blind, shade or screen shall be forthwith discontinued by User. No awnings shall be permitted on any part of the Premises.

7. User shall not lay linoleum, tile, carpet or other similar floor covering so that the same shall be affixed to the floor of the Premises in any manner except as approved by City.

8. User shall not do or permit anything to be done in the Premises, or bring or keep anything therein, which shall in any way increase the rate of fire insurance on the Office Building Project, or on the property kept therein, or obstruct or interfere with the rights of other Users, or in any way injure or annoy them, or conflict with the regulations of the Fire Department or the fire laws, or with any insurance policy upon the Office Building Project, or any part thereof, or with any rules and ordinances established by the Board of Health or other governmental authority.

9. No User shall sweep or throw or permit to be swept or thrown from the Premises any dirt or other substance into any of the corridors or halls or elevators, or out of the doors or windows or stairways of the Building. User shall not use, keep or permit to be used any foul or noxious gas or substance in the Premises, or permit or suffer the Premises to be occupied or used in a manner offensive or objectionable to City or other occupants of the Office Building Project by reason of noise, odors, fire hazards and/or vibrations, or interfere in any way with other Users or those having business therein, nor shall any animals or birds be kept in or about the Office Building Project.

10. User and its employees, agents and invitees shall not smoke any tobacco products or any other smoking materials whatsoever in the Premises, Building, common areas or any other area of the Project except in such areas, if any, as shall be designated by City for smoking, in City's sole and absolute discretion.

11. No cooking shall be done or permitted by User on the Premises, except for the use of a microwave oven for food or Underwriter's Laboratory approved equipment for brewing coffee, tea, and similar beverages shall be permitted, provided that such use is in compliance with law. Offices in the Office Building Project shall not be used for the storage of merchandise or for sleeping or lodging.

12. User, upon the termination of its tenancy, shall deliver to City all the keys of offices, rooms and toilet rooms which shall have been furnished User or which User shall have had made, and in the event of loss of any keys so furnished, shall pay City therefore.

13. On Saturdays after 6:00pm., Sundays and legal holidays, and on other days between the hours of 9:00 p.m. and 7:00 a.m., access to the Office Building Project or to the halls, corridors, elevators or stairways in the Building, or to the Premises may be refused unless the person seeking access is known to the building watchman, if any, in charge and has a pass or is properly identified. City shall in no case be liable for damages for the admission to or exclusion from the Office Building Project of any person whom City has the right to exclude under Rule 3 above. In case of invasion, mob, riot, public excitement, or other commotion, City reserves the right but shall not be obligated to prevent access to the Office Building Project during the continuance of the same by closing the doors or otherwise, for the safety of the tenants and protection of property in the Office Building Project.

14. User shall see that the windows and doors of the Premises are closed and securely locked before leaving the building and User shall exercise extraordinary care and caution that all water faucets or water apparatus are entirely shut off before User or User's employees leave the Building, and that all electricity, gas or air shall likewise be carefully shut off.

so as to prevent waste or damage, and for any default or carelessness User shall make good all injuries sustained by other Users or occupants of the Building or City.

15. User shall not alter any lock or install a new or additional lock or any bolt on any door of the Premises without prior written consent of City. If City shall give its consent, User shall in each case furnish City with a key for any such lock.

16. User shall not install equipment such as, but not limited to, electronic tabulating or computer equipment requiring electrical or air conditioning service in excess of those to be provided by City under the License and any such equipment shall be placed in the Premises in settings approved by City to adsorb or prevent any vibration, noise or annoyance.

17. No bicycle, or shopping cart, or other vehicle or any animal shall be brought into the Premises or the halls, corridors, elevators or any part of the Building by User.

18. City shall have the right to prohibit the use of the name of the Office Building Project or any other publicity by User which in Landlord's opinion tends to impair the reputation of the Office Building Project, or their desirability for other Users, and upon written notice from City, User will refrain from or discontinue such publicity.

19. User shall not erect any aerial or antenna on the roof or exterior walls of the Premises, the Building, or the Office Building Project.

20. User shall not overload the floor of the Premises. In addition, User shall not mark, drive nails, screw or drill into partitions, ceilings or floor of the Premises or deface the Premises.

21. No furniture, freight or equipment of any kind shall be brought into the Building or the Building's elevator without the consent of City and all moving of the same into or out of the Building shall be done at such time and in such manner, as City shall designate. City shall have the right to prescribe the weight, size and position of all safes and other heavy equipment brought into the Building and also the times and manner of moving the same in and out of the Office Building Project. Safes or other heavy objects shall, if considered necessary by City, stand on wood strips of such thickness as is necessary to properly distribute the weight. However, City's consent to placement of User's safes, heavy equipment or furniture shall not constitute a representation or warranty by City that the safe, heavy equipment or furniture complies, with regard to distribution of weight and/or vibration, with the provisions of the Rule 21 nor relieve User from responsibility for the consequences of noncompliance. City will not be responsible for loss of or damage to any safe or property from any cause and all damage done to the Building by moving or maintaining any such safe or property from any cause and all damage done to the Building by moving or maintaining any such safe or other property shall be repaired at the expense of User. There shall not be used in any space, or in the public halls of the Building, either by any User or others, any hand trucks except those equipped with rubber tires and side guards.

22. Except with the written consent of City, no person or persons other than those approved by City shall be permitted to enter the Building for their purpose of cleaning the same. User shall not cause any unnecessary labor by reason of User's carelessness or indifference in the preservation of good order and cleanliness. City shall in no way be responsible to any User for any loss of property on the Premises, however occurring, or for any damage done to the effects of any User by the janitor or any other employee or any other person. Janitor service shall include ordinary dusting and cleaning by the janitor assigned to such work and shall not include cleaning of carpets or rugs, except normal vacuuming, or moving of furniture and other special services. Janitor service may not be furnished on nights when rooms are occupied after 9:00p.m.

23. City will direct electricians as to where and how telephone and telegraph wires are to be introduced. No boring or cutting for wires will be allowed without the consent of City. The location of telephones, call boxes and other office equipment affixed to the Premises shall be subject to the approval of City.

24. No furniture, packages, supplies, equipment or merchandise will be received in the Building or carried up or down in the elevators, except between such hours and in such elevators as shall be designated by City.

25. City reserves the right to exclude or expel from the Office Building Project any person who in the judgment of City, is intoxicated or under the influence of liquor or illegal, non-prescription drugs, or who shall in any manner do any act in violation of any of the Rules and Regulations of the Office Building Project.

26. The requirements of User will be attended to only upon application to City. Contractors, vendors and employees of City shall not perform any work or do anything outside of their regular duties unless under special instructions from the City or City's agent.

27. No vending machine shall be installed, maintained or operated upon the Premises without the written consent of the City.

28. City shall have the right, exercisable without notice and without liability to User, to change the name and the street address of the Building and/or Office Building Project of which the Premises are a part.

29. User agrees that it shall comply with all fire and security regulations that may be issued from time-to-time by City and User also shall provide City with the name of a designated responsible employee to represent User in all matters pertaining to such fire or security regulations.

30. City reserves the right by written notice to User, to rescind, alter or waive any rule or regulation at any time prescribed for the Office Building Project when, in City's judgment, it is necessary, desirable or proper for the best interest of the Office Building Project and its Users.

31. Users shall not disturb, solicit, or canvas any occupant of the Office Building Project and shall cooperate to prevent same.

32. City shall furnish heating and air conditioning during the hours of 7:00 a.m. to 6:00 p.m., Monday through Friday, and 8:00 a.m. to 12:00 p.m. on Saturday except for holidays. In the event User requires heating and air conditioning during off hours, Sundays or Holidays, City shall on notice provide such services at the then prevailing rate for such extra services.

33. User shall cooperate with City in obtaining maximum effectiveness of the cooling system by closing blinds when the sun's rays fall directly on windows of the premises. User shall not obstruct, alter, or in any way impair the efficient operation of City's heating, ventilating and air-conditioning system. User shall not tamper with or change the setting of any thermostats or control valves.

34. Parking

    (a) The parking lot shall be accessible twenty-four (24) hours per day, subject to parking card or other reasonable Identification or security restriction as may be reasonably established by City from time-to-time. User agrees to cooperate with City in completing regular maintenance of the parking lot.

    (b) Automobiles must be parked entirely within the stall lines.

    (c) All directional signs and arrows must be observed and the speed limit shall be 5 miles per hour.

    (d) Parking is prohibited in areas not striped for parking.

(e) City may refuse to permit any person who violates the within rules to park in the parking lot, and any violation of the rules shall subject the automobile to removal from the parking lot at the parker's expense.

(f) Every parker is required to park and lock his or her own automobile. All responsibility for any loss or damage to automobile or any personal property therein is assumed by the parker.

(g) The parking lot is for the sole purpose of parking one automobile per space. Washing, waxing, cleaning or servicing of any vehicles by the parker or his agents is prohibited.

(h) Storage of vehicles in the parking facilities is prohibited. User and User's employees and visitors shall not leave vehicles in the parking lot overnight.

(I) City reserves the right to restrict customer, User and User's employees parking to a limited designated area or areas.

35. User agrees to comply and acquaint its employees with such reasonable rules and regulations in the use of such Common areas as City may adopt from time to time for the orderly and proper operation of said Common Areas.

City reserves the right to make such other and further rules and regulations as in its judgment may be for the safety, care and cleanliness of the Office Building Project and for the preservation of good order therein. User agrees to abide by these Rules and Regulations herein above stated and any additional rules and regulations, which are adopted hereafter.

Date: _____ Date: _____

City's Initials: _____ User's Initials: D.L.P.

ACCOMMODATION LICENSE SUMMARY

Building and Suite where User is located

Address 24031 El Toro Road, Suite 250E	City Laguna Hills
State CA	Zip Code 92653

User Information

Name: Alan A. Pace	Contact Name: Alan A. Pace
Address: 24031 El Toro Rd. Suite 250E	City: Laguna Hills
State: CA	Zip Code: 92653
Telephone: 949-280-4042	Email: Pace4law@aol.com

User invoicing details (if different from above)

City name	Contact Name/Title
Address	City
State	Zip Code
Telephone	Fax

User Business

Attorney

Type	Areas Assigned	Start Date	Qty.	Fee per Area	Total Monthly Fee
Office	X	January 1, 2026	1	$873.17	$873.17
Workstation	N/A			$	$

Service Retainer	**$873.17**

The City is already in possession of a Service Retainer in the amount of $847.74. Upon execution of this License Agreement, User agrees to remit an additional $25.43 to City in order to bring Service Retainer amount to a total of $873.17.

Total due at signing **$898.60**

Make All Payments to: The City of Laguna Hills

c/o Essex Realty Management 17744 Sky Park Circle #100 Irvine, CA 92614

ACCOMMODATION LICENSE AGREEMENT

This Accommodation License Agreement ("License") is entered into by The City of Laguna Hills ("City") and the undersigned ("User") as of the date signed by City. This License includes the preceding Accommodation License Summary ("License Summary") and attached Rules and Regulations (Exhibit A) which are incorporated herein by this reference.

Purpose and Intent. The purpose of this License is to set forth the terms and provisions under which City will provide the accommodations and services described herein to User. Notwithstanding anything to the contrary contained herein or in the Master Services Agreement, City and User expressly acknowledge, confirm and agree that: (i) this License is and shall at all times be a license and is the commercial equivalent of an agreement for accommodation in a hotel; (ii) the relationship between City and User created hereunder is that of licensor-licensee, and not of landlord-tenant or lessor-lessee; and (iii) this License shall not create or be deemed to create any tenancy interest, leasehold estate or other real property interest in favor of User with respect to the accommodations and services provided hereunder.

ACCOMMODATION SERVICES

Accommodations Provided. City shall use its good faith efforts to provide User with the number of ~~furnished~~ offices and workstations (individually, an "Area" and collectively, the "Areas") specified on the License Summary within the Building and Suite specified in the License Summary ("Building"). User shall be responsible for all costs of installing any telephone or internet service to the Areas.

In connection with User's use of the Areas, City will use its good faith efforts to provide the following services during the Building's normal business hours (as the same may be modified from time to time by City):

1. access to User's Areas;
2. heating and air conditioning during normal business hours for the Building;
3. lighting and electrical power for normal business use;
4. cleaning and janitorial;
5. use of the common area generally made available to other users of the Building, including, without limitation, lobby and sanitary facilities; and
6. Wireless internet connection

Notwithstanding anything to the contrary contained in this License, the City reserves the right to add, delete or modify any or all of said services at any time. Any special arrangements for User's use of such services outside the Building's normal business hours will be considered in good faith by City within a reasonable time period after requested by User.

USING THE BUILDING

Move In. Upon moving in, User shall sign an inventory of all furniture and equipment User is permitted to use hereunder, together with a note of its condition, and details of the keys or entry cards issued to User.

Permitted Use. User may only use the Building (including, without limitation, the Areas) for the purposes stated in the License Summary or subsequently agreed to between User and City. Use of the Building for a "retail" use, involving frequent visits by members of the public, is not permitted.

User's Name and Address. User may only transact business from the Building in its own name or some other name that City consents in writing to allow. User shall not put up any signs on the doors to the Areas or anywhere else which is visible from outside the Areas which User is then using. User may use the Building's address as its business address during the term hereof; provided, however, that User may not use the pictures or illustrations of the Building in any advertising or other publicity without the prior written consent of City.

City's property. User must take good care of all parts of the Building, including any equipment, fixtures and furnishings which User is permitted to use hereunder. User shall not alter any part of the Building or City's equipment, fixtures or furnishings. User shall be liable for any damage caused by User or its employees, agents, customers, vendors, permittees or invitees.

Furniture and equipment. User shall not install any furniture or office equipment, satellite or microwave antennas or dishes, cabling, technology or telecommunication lines or connections without City's prior written consent, which City may refuse at City's sole and absolute discretion.

Keys. Any keys or entry cards which City permits User to use shall remain City's property at all times. User must not make any copies of them or allow anyone else to use them without City's consent. Any loss of keys or entry cards must be reported to City immediately and User must pay the cost of replacement keys or entry cards and of changing locks, if required. If User is

permitted to use the Building outside normal Building hours, then User shall be responsible for locking the doors to User's Areas and to the Building when User leaves.

Compliance with law. User must comply with all relevant laws and regulations in the conduct of User's business. User must do nothing illegal. User must not do anything that may interfere with the use of the Building by City or by others permitted to use the Building, cause any nuisance or annoyance, increase the insurance premiums City has to pay or cause loss or damage to City. User acknowledges that the terms of the foregoing sentence are a material inducement to City for the execution of User's agreement.

Compliance with Building rules. User must comply with all Building rules, policies and procedures that City imposes generally on users of the Building, whether for reasons of health and safety, fire precautions or otherwise as amended by City from time to time in its discretion ("City Rules").

Insurance. User shall obtain and maintain the following insurance policies: (a) property insurance for User's own property and items which User bring into the Building, (b) workman's compensation insurance in the minimum amounts required under applicable state law, and (c) commercial general liability of no less than $1,000,000.

PROVIDING THE SERVICES

Access to the Areas. City shall have the right to enter the Areas that User is permitted to use hereunder at any time and without prior notice; provided, however, that City will use its reasonable efforts to respect security procedures to protect the confidentiality of User's business.

Parking. User may, subject to rules made by City, use one (1) parking space per Area on a nonexclusive basis with other users of the Building.

Unavailability of Areas. If for any reason City cannot provide the number of Areas stated in the License Summary by the date specified in the License Summary or during the term hereof, City shall not be liable to User for any losses or damages of User whatsoever, provided, however, City will not charge User the standard fee for Areas User cannot use until such Areas or substitutes thereto become available.

City's liability. City shall not be liable for any loss, liability or damage as a result of City's failure to provide all or any portion of the Areas or services hereunder as a result of mechanical breakdown, strike, delay, failure of staff, termination of City's interest in the building containing the Building or for any reason whatsoever that is beyond the reasonable control of City. City may suspend the provision of Areas and services (including access to the Areas) for reasons of political unrest, strikes, or other events beyond City's reasonable control, in which event payment of the standard fee will also be suspended for the same period.

Security. City makes no warranty or representation to User with respect to any security services or systems. User shall be fully responsible for the safety and security of its personal property brought onto the Building.

USER'S AGREEMENT

User's agreement. User acknowledges that its use of the Areas and services permitted under this License are solely being provided by City so that City can provide services to User. This License is personal to User, unassignable and revocable by City at any time; User acknowledges that its rights hereunder are solely that of a licensee, and therefore, User cannot transfer any rights hereunder to anyone else.

TERM AND TERMINATION

Duration. This License may be terminated at any time by City by providing notice to User. If such termination by City is purely for convenience, then City will provide a minimum of thirty (30) days advance written notice of City's intent to terminate this License. This License may be terminated by User upon thirty (30) days prior written notice to City of the termination date. If User terminates this License, User shall be obligated to pay the standard license fees through the termination date set forth in the notice (regardless of the date User vacates any or all of the Areas) and, in addition, if such termination date is within twelve (12) months of the date User moved into the Area(s), then User shall pay City a termination fee equal to fifty percent (50%) of the standard license fee that would have been paid if the termination date were twelve (12) months following the date User moved into the Area(s) to compensate City for administrative and transaction costs associated with the termination.

If the Building is not available. In the unlikely event that City is no longer able to provide the Areas and/or services (or reasonable substitutes thereto) at the Building stated in the License Summary, then this License will end and User will only have to pay standard fees up to the date this License ends.

When License ends. Upon the termination of this License:

1. User shall vacate the Areas and the Building immediately, leaving them in the same condition as they were in when User moved in, reasonable wear and tear excepted. If User leaves any of User's own property in the Building after this License

has been terminated, City may dispose of it in any way City chooses without liability to User for such property or any proceeds of sale thereof; and

2. User shall indemnify City for any loss, claim or liability City incurs as a result of User's failure to vacate on time.

Notices. Any notices permitted or required under this License must be in writing and will be deemed given when delivered personally, by facsimile (with confirmation of receipt), by air express courier (charges prepaid with return receipt requested), or five (5) days after deposit in the U.S. mail. City may provide notice of amendments to any services provided hereunder, Building rules or increases in license fees or service retainers by e-mail or publication of the same on a City designated Web Site, which is identified by notice given in any of the foregoing manners. All other notices permitted hereunder shall be addressed to the other party at the address identified in the License Summary, but each party may change the address by written notice in accordance with this paragraph.

Indemnification. Except to the extent caused by City's gross negligence or willful misconduct, User will defend, indemnify and hold City and its affiliates, officers, directors, employees, agents and successors and assigns harmless from any and all liability, claims, damages, loss and expenses (including attorneys' fees) incurred in connection with or arising from any acts, omissions or negligence of User or any person claiming by, through or under User or any breach of this License.

Consequential loss. If for any reason City cannot provide User with any Areas or services, City's liability is limited to crediting or returning to User a fair proportion of the relevant standard fee. To the extent permitted by law, City will have no liability whatsoever for any consequential loss as a result of anything City or City's manager do or fail to do.

Applicable law. This License shall be interpreted and enforced in accordance with the laws of the state of California.

FEES

Standard license fee. The standard license fee initially charged by City is set forth in the License Summary; City reserves the right to increase such fee at any time and from time to time by giving notice of the same to User. The standard license fee is payable in advance in full by the 1st day of each month in respect of standard services to be provided during such calendar month. For any period of time less than a month, the license fee will be apportioned on a daily basis. User agrees to promptly pay (or reimburse City, if applicable, for) (i) all sales, use, excise and any other taxes and license fees which User is required to pay to any governmental authority (and, at City's request, will provide to City evidence of such payment) and (ii) any taxes paid by City to any governmental authority that are attributable to the accommodation, including, without limitation, any gross receipts, occupancy taxes, or tangible personal property taxes.

Payment terms. Payment is due on the 1st of each month. A late fee of 10% will be charged after the 10th of the month. Any amounts not paid when due shall, in addition to any other remedies, bear interest at a rate of 1.2% per month (or the maximum rate allowed by law, if less) on the delinquent amount from the date due. All payments will be made in U.S. Dollars to City at the address stated in the License Summary, or such other address that is from time to time designated by City.

Service retainer. The service retainer specified in the License Summary (if any) User paid on entering into this License will be held by City, without interest, as security for performance of all User's obligations under this License. The service retainer, or any balance after deducting outstanding fees and other costs due to City hereunder, will be returned to User within 60 days after the termination of this License. City may require User to pay an increased service retainer if outstanding fees exceed the service retainer held or if User fails to timely pay any amounts due hereunder.

Withholding services. City may withhold services (including for the avoidance of doubt, denying User access to User's Areas) while there are any outstanding fees or User is otherwise in breach of this License.

THE CITY OF LAGUNA HILLS

By: Bob Wingenroth

By:_____
Its: City Manager

"User"

By:_____
Alan A. Pace

RULES AND REGULATIONS

ATTACHED TO AND MADE A PART OF ACCOMODATION LICENSE AGREEMENT

The following Rules and Regulations shall be in effect at the Office Building Project. City reserves the right to adopt reasonable modifications and additions hereto. In the case of any conflict between these Rules and Regulations and the License, the License shall be controlling.

1. Except with the prior written consent of City, no User shall conduct any retail sales or any manufacturing of any kind in or from the Premises, or any business other than that specifically provided for in the License.

2. City reserves the right to prohibit personal goods and services vendors from access to the Office Building Project except upon such reasonable terms and conditions, including but not limited to the payment of a reasonable fee and provision for insurance coverage, as are related to the safety, care and cleanliness of the Office Building Project, the preservation of good order thereon, and the relief of any financial or other burden on City occasioned by the presence of such vendors or the sale by them of personal goods or services to the User or its employees. If reasonably necessary for the accomplishment of these purposes, City may exclude a particular vendor entirely or limit the number of vendors who may be present at any one time in the Office Building Project. The term "personal goods or services vendors" means persons who periodically enter the Office Building Project of which the Premises are a part for the purpose of selling goods or services to a User, other than goods or services, which are used by a User only for the purpose of conducting its business on the Premises. "Personal goods or services" include, but are not limited to, drinking water and other beverages, food, barbering services, and shoe shining services. This Section 2 shall not apply to User's vendors and suppliers in connection with User's operation of its business.

3. The sidewalks, halls, passages, elevators and stairways shall not be obstructed by any User or used by it for any purpose other than for ingress to and egress from their respective Premises. The halls, passages, entrances, elevators, stairways, balconies and roof are not for the use of the general public, and City shall in all cases retain the right to control and prevent access thereto of all persons whose presence in the judgment of City shall be prejudicial to the safety, character, reputation and interests of the Office Building Project and its Users, provided that nothing herein contained shall be construed to prevent such access to persons with whom User normally deals only for the purpose of conducting its business on the Premises (such as clients, customers, office suppliers and equipment vendors, and the like) unless such persons are engaged in illegal activities. No User and no employees of any User shall go upon the roof of the Building without the written consent of City. This Section 3 shall not apply to User's vendor's suppliers in connection with User's operation of its business.

4. The sashes, sash doors, windows, glass lights, and any lights or skylights that reflect or admit light into the halls or other places of the Building shall not be covered or obstructed. The toilet rooms, water and wash closets and other water apparatus shall not be used for any purpose other than that or which they were constructed, and no foreign substance of any kind whatsoever shall be thrown therein, and the expense of any breakage, stoppage or damage, resulting from the violation of this rule shall be borne by the User who, or whose clerks, agents, employees, or visitors, shall have caused it.

5. No sign, advertisement or notice visible from the exterior of the Premises or Building shall be inscribed, painted or affixed by User on any part of the Office Building Project or the Premises without the prior written consent of City. If City shall have given such consent at any time, whether before or after the execution of this License, such consent shall in no way operate as a waiver or release of any of the provisions hereof or of this License, and shall be deemed to relate only to the particular sign, advertisement or notice so consented to by City and shall not be construed as dispensing with the necessity or obtaining the specific written consent of City with respect to each and every such sign, advertisement or notice, as the case may be, so consented to by City. City shall have the

right to remove any non-approved sign, advertisement or notice, without notice to and at the expense of User, and City shall not be liable in damages for such removal.

6. In order to maintain the outward professional appearance of the Office Building Project all window coverings to be installed at the Premises shall be subject to City's prior approval. If City, by a notice in writing to User, shall object to any curtain, blind, shade or screen attached to or hung in, or used in connection with, any window door of the Premises, such use of such curtain, blind, shade or screen shall be forthwith discontinued by User. No awnings shall be permitted on any part of the Premises.

7. User shall not lay linoleum, tile, carpet or other similar floor covering so that the same shall be affixed to the floor of the Premises in any manner except as approved by City.

8. User shall not do or permit anything to be done in the Premises, or bring or keep anything therein, which shall in any way increase the rate of fire insurance on the Office Building Project, or on the property kept therein, or obstruct or interfere with the rights of other Users, or in any way injure or annoy them, or conflict with the regulations of the Fire Department or the fire laws, or with any insurance policy upon the Office Building Project, or any part thereof, or with any rules and ordinances established by the Board of Health or other governmental authority.

9. No User shall sweep or throw or permit to be swept or thrown from the Premises any dirt or other substance into any of the corridors or halls or elevators, or out of the doors or windows or stairways of the Building. User shall not use, keep or permit to be used any foul or noxious gas or substance in the Premises, or permit or suffer the Premises to be occupied or used in a manner offensive or objectionable to City or other occupants of the Office Building Project by reason of noise, odors, fire hazards and/or vibrations, or interfere in any way with other Users or those having business therein, nor shall any animals or birds be kept in or about the Office Building Project.

10. User and its employees, agents and invitees shall not smoke any tobacco products or any other smoking materials whatsoever in the Premises, Building, common areas or any other area of the Project except in such areas, if any, as shall be designated by City for smoking, in City's sole and absolute discretion.

11. No cooking shall be done or permitted by User on the Premises, except for the use of a microwave oven for food or Underwriter's Laboratory approved equipment for brewing coffee, tea, and similar beverages shall be permitted, provided that such use is in compliance with law. Offices in the Office Building Project shall not be used for the storage of merchandise or for sleeping or lodging.

12. User, upon the termination of its tenancy, shall deliver to City all the keys of offices, rooms and toilet rooms which shall have been furnished User or which User shall have had made, and in the event of loss of any keys so furnished, shall pay City therefore.

13. On Saturdays after 6:00pm., Sundays and legal holidays, and on other days between the hours of 9:00 p.m. and 7:00 a.m., access to the Office Building Project or to the halls, corridors, elevators or stairways in the Building, or to the Premises may be refused unless the person seeking access is known to the building watchman, if any, in charge and has a pass or is properly identified. City shall in no case be liable for damages for the admission to or exclusion from the Office Building Project of any person whom City has the right to exclude under Rule 3 above. In case of invasion, mob, riot, public excitement, or other commotion, City reserves the right but shall not be obligated to prevent access to the Office Building Project during the continuance of the same by closing the doors or otherwise, for the safety of the tenants and protection of property in the Office Building Project.

14. User shall see that the windows and doors of the Premises are closed and securely locked before leaving the building and User shall exercise extraordinary care and caution that all water faucets or water apparatus are entirely shut off before User or User's employees leave the Building, and that all electricity, gas or air shall likewise be carefully shut off,

so as to prevent waste or damage, and for any default or carelessness User shall make good all injuries sustained by other Users or occupants of the Building or City.

15. User shall not alter any lock or install a new or additional lock or any bolt on any door of the Premises without prior written consent of City. If City shall give its consent, User shall in each case furnish City with a key for any such lock.

16. User shall not install equipment such as, but not limited to, electronic tabulating or computer equipment requiring electrical or air conditioning service in excess of those to be provided by City under the License and any such equipment shall be placed in the Premises in settings approved by City to adsorb or prevent any vibration, noise or annoyance.

17. No bicycle, or shopping cart, or other vehicle or any animal shall be brought into the Premises or the halls, corridors, elevators or any part of the Building by User.

18. City shall have the right to prohibit the use of the name of the Office Building Project or any other publicity by User which in Landlord's opinion tends to impair the reputation of the Office Building Project, or their desirability for other Users, and upon written notice from City, User will refrain from or discontinue such publicity.

19. User shall not erect any aerial or antenna on the roof or exterior walls of the Premises, the Building, or the Office Building Project.

20. User shall not overload the floor of the Premises. In addition, User shall not mark, drive nails, screw or drill into partitions, ceilings or floor of the Premises or deface the Premises.

21. No furniture, freight or equipment of any kind shall be brought into the Building or the Building's elevator without the consent of City and all moving of the same into or out of the Building shall be done at such time and in such manner, as City shall designate. City shall have the right to prescribe the weight, size and position of all safes and other heavy equipment brought into the Building and also the times and manner of moving the same in and out of the Office Building Project. Safes or other heavy objects shall, if considered necessary by City, stand on wood strips of such thickness as is necessary to properly distribute the weight. However, City's consent to placement of User's safes, heavy equipment or furniture shall not constitute a representation or warranty by City that the safe, heavy equipment or furniture complies, with regard to distribution of weight and/or vibration, with the provisions of the Rule 21 nor relieve User from responsibility for the consequences of noncompliance. City will not be responsible for loss of or damage to any safe or property from any cause and all damage done to the Building by moving or maintaining any such safe or property from any cause and all damage done to the Building by moving or maintaining any such safe or other property shall be repaired at the expense of User. There shall not be used in any space, or in the public halls of the Building, either by any User or others, any hand trucks except those equipped with rubber tires and side guards.

22. Except with the written consent of City, no person or persons other than those approved by City shall be permitted to enter the Building for their purpose of cleaning the same. User shall not cause any unnecessary labor by reason of User's carelessness or indifference in the preservation of good order and cleanliness. City shall in no way be responsible to any User for any loss of property on the Premises, however occurring, or for any damage done to the effects of any User by the janitor or any other employee or any other person. Janitor service shall include ordinary dusting and cleaning by the janitor assigned to such work and shall not include cleaning of carpets or rugs, except normal vacuuming, or moving of furniture and other special services. Janitor service may not be furnished on nights when rooms are occupied after 9:00p.m.

23. City will direct electricians as to where and how telephone and telegraph wires are to be introduced. No boring or cutting for wires will be allowed without the consent of City. The location of telephones, call boxes and other office equipment affixed to the Premises shall be subject to the approval of City.

24. No furniture, packages, supplies, equipment or merchandise will be received in the Building or carried up or down in the elevators, except between such hours and in such elevators as shall be designated by City.

25. City reserves the right to exclude or expel from the Office Building Project any person who in the judgment of City, is intoxicated or under the influence of liquor or illegal, non-prescription drugs, or who shall in any manner do any act in violation of any of the Rules and Regulations of the Office Building Project.

26. The requirements of User will be attended to only upon application to City. Contractors, vendors and employees of City shall not perform any work or do anything outside of their regular duties unless under special instructions from the City or City's agent.

27. No vending machine shall be installed, maintained or operated upon the Premises without the written consent of the City.

28. City shall have the right, exercisable without notice and without liability to User, to change the name and the street address of the Building and/or Office Building Project of which the Premises are a part.

29. User agrees that it shall comply with all fire and security regulations that may be issued from time-to-time by City and User also shall provide City with the name of a designated responsible employee to represent User in all matters pertaining to such fire or security regulations.

30. City reserves the right by written notice to User, to rescind, alter or waive any rule or regulation at any time prescribed for the Office Building Project when, in City's judgment, it is necessary, desirable or proper for the best interest of the Office Building Project and its Users.

31. Users shall not disturb, solicit, or canvas any occupant of the Office Building Project and shall cooperate to prevent same.

32. City shall furnish heating and air conditioning during the hours of 7:00 a.m. to 6:00 p.m., Monday through Friday, and 8:00 a.m. to 12:00 p.m. on Saturday except for holidays. In the event User requires heating and air conditioning during off hours, Sundays or Holidays, City shall on notice provide such services at the then prevailing rate for such extra services.

33. User shall cooperate with City in obtaining maximum effectiveness of the cooling system by closing blinds when the sun's rays fall directly on windows of the premises. User shall not obstruct, alter, or in any way impair the efficient operation of City's heating, ventilating and air-conditioning system. User shall not tamper with or change the setting of any thermostats or control valves.

34. Parking

    (a) The parking lot shall be accessible twenty-four (24) hours per day, subject to parking card or other reasonable Identification or security restriction as may be reasonably established by City from time-to-time. User agrees to cooperate with City in completing regular maintenance of the parking lot.

    (b) Automobiles must be parked entirely within the stall lines.

    (c) All directional signs and arrows must be observed and the speed limit shall be 5 miles per hour.

    (d) Parking is prohibited in areas not striped for parking.

(e) City may refuse to permit any person who violates the within rules to park in the parking lot, and any violation of the rules shall subject the automobile to removal from the parking lot at the parker's expense.

(f) Every parker is required to park and lock his or her own automobile. All responsibility for any loss or damage to automobile or any personal property therein is assumed by the parker.

(g) The parking lot is for the sole purpose of parking one automobile per space. Washing, waxing, cleaning or servicing of any vehicles by the parker or his agents is prohibited.

(h) Storage of vehicles in the parking facilities is prohibited. User and User's employees and visitors shall not leave vehicles in the parking lot overnight.

(I) City reserves the right to restrict customer, User and User's employees parking to a limited designated area or areas.

35. User agrees to comply and acquaint its employees with such reasonable rules and regulations in the use of such Common areas as City may adopt from time to time for the orderly and proper operation of said Common Areas.

City reserves the right to make such other and further rules and regulations as in its judgment may be for the safety, care and cleanliness of the Office Building Project and for the preservation of good order therein. User agrees to abide by these Rules and Regulations herein above stated and any additional rules and regulations, which are adopted hereafter.

Date: _____ Date: 01-20-26

City's Initials: _____ User's Initials: AD

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: February 24, 2026
To: Mayor and Council Members
From: Jennifer Lowe, Community Development Director
Issue: Development Application Status Report

Recommendation: That the City Council receive and file the report.

Background:

The City Council has indicated that based on potential impact(s) to the community, certain projects warrant a regular status update. The purpose of this Status Report is to identify new and pending major development applications in process with the City's Community Development Department which will require a public hearing. Links to project documents are available on the City's website at: https://lagunahillsca.gov/PlanningProjects.

Case Number	USE-0231-2025 (CUP)
Project Location	23297 South Pointe Drive
Project Description	Request for conditional use permit to establish a community care facility (drug abuse and alcoholism recovery) in the Mixed Use (MXU) zone.
Applicant	Daniel Avdee, Manifest Behavioral Health
Project Planner	Elizabeth Yee, Contract Planner
Status	The application was submitted on August 1, 2025. Staff is currently processing the application and plans. This items is tentatively scheduled for public hearing on March 10, 2026.

Case Number	USE-0209-2025 (SDP/VTTM)
Project Location	23272, 23282, 23422, 23382, 23332 Mill Creek Drive; 24461, 24411 Ridge Route Drive
Project Description	Request to construct 464 residential units.
Applicant	John Stack, on behalf of Ridge Route LLC, KB Mill Creek DST, KB Spectrum Summit Plaza, LLC
Project Planner	David See, Contract Planner
Status	This project was initially submitted as a preliminary application under SB 330 on October 29, 2024. The formal development application was submitted on January 23, 2025. On April 18, 2025, staff notified the Applicant that the application was officially determined to be complete. Staff reviewed the entire application for consistency with applicable development standards in accordance with Gov. Code §65589.5. On June 17, 2025, a letter was sent to the Applicant identifying reasons the proposed Project is, or potentially is, inconsistent, not in compliance, or not in conformity with City plans, programs, policies, ordinances, standards, and requirements. On September 26, 2025, the Applicant resubmitted their application and notified the City of its position that the Project is exempt from review under CEQA pursuant to AB 130. Staff is reviewing the application and evaluating the Project's eligibility for the AB 130 CEQA exemption. Accordingly, the City sent a notice to the tribes of the tribal consultation process under AB 130. Staff is continuing to work with the Applicant on various aspects of the application. This item is scheduled for public hearing on February 24, 2026.

Case Number	USE-0165-2023 (ZTA/TTM/SDP)
Project Location	23272 – 23282 Mill Creek Drive
Project Description	Request to construct 48 detached residential condominium units.
Applicant	John Stack, on behalf of KB Spectrum Summit Plaza, LLC
Project Planner	Jay Wuu, Senior Planner

Status	On May 3, 2024, a letter was sent to the Applicant deeming the Application complete. On August 28, 2024, a letter was sent to the Applicant identifying additional technical review comments and informing the Applicant of significant design concerns. On October 29, 2024, the Applicant submitted an application for a larger development that includes this property. Staff is currently awaiting a withdrawal of the Application or resubmittal of plans. The Applicant has stated that they do not intend to withdraw the application until the newer application is closer to entitlement.

Case Number	USE-0172-2024 (CPMA)
Project Location	23521 Paseo de Valencia
Project Description	Request to construct carports in the Taj Mahal parking lot to accommodate solar panels.
Applicant	Alisha Cosio, on behalf of Valta Energy
Project Planner	Jay Wuu, Senior Planner
Status	On March 29, 2024, a letter was sent to the Applicant deeming the Application incomplete. Staff is currently awaiting resubmittal of plans; the item will be scheduled for public hearing when ready.

Fiscal Impact:

None.

Attachments:
None

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: February 24, 2026
To: Chair and Agency Members
From: David See Contract Planner
Jennifer Lowe, Community Development Director
Issue: Vesting Tentative Tract Map/Site Development Permit/Precise Plan/Conditional Use Permit/Parking Use Permit No. 0209-2025 (Terravita)

Recommendation: That the Planning Agency:

1. Conduct a public hearing;

2. Find and determine that the proposed project is exempt from the California Environmental Quality Act as an infill development housing project pursuant to Assembly Bill 130 (Public Resources Code Section 21080.66); and

3. Adopt a Resolution entitled: A Resolution of the Planning Agency of the City of Laguna Hills, California, conditionally approving Vesting Tentative Tract Map / Site Development Permit / Precise Plan / Conditional Use Permit / Parking Use Permit No. 0209-2025, a request by John Stack, on behalf of Kingsbarn Capital and Development, LLC, to permit a project that consists of: the subdivision of an existing 18.5-acre parcel located at 23272, 23282, 23332, 24411, and 23422 Mill Creek Drive and 24461 and 24411 Ridge Route Drive (APN 588-161-06, 588-161-07 588-161-08 588-161-09 588-161-10, 588-161-11, 588-161-12, and 588-161-13); demolition of seven existing office buildings and surface parking and the construction of a new 480-unit residential development consisting of 259 attached single family units, 221 multi-family units, including 24 affordable units for very low income households, waivers of development standards per State Density Bonus Law, and a 6-story, 380-stall parking structure on Lot 4; and finding the Project exempt from the California Environmental Quality Act as an infill development housing project pursuant to Assembly Bill 130 (Public Resources Code section 21080.66).

Background:

Kingsbarn Capital and Development, LLC ("Owner" or "Applicant") proposes to redevelop the office properties into a 480-unit residential development consisting of 259 attached single-family units and 221 multi-family units, including 24 affordable units for rental to very low-income households ("Project"). The Project includes the proposed subdivision of an existing 18.5-acre project site into four (4) lots: Lot 1 at 3.23-acres; Lot 2 at 4.6-acres; Lot 3 at 6.47-acres; and Lot 4 at 2.33-acres.Additionally, the proposed final map will include four lots (Lots A, B, C, and D), with a combined area of 1.88-acres, proposed to be used for recreation, open space, and private streets. Lot 1 will contain 46 single-family attached units with each building consisting of two "Duet" (or duplex) units. Lot 2 will contain 107 duplex or triplex single-family units. Lot 3 will contain 106 duets units. Lot 4 is proposed to be developed as a six-story, 85-foot tall, multi-family residential building containing 221 residential apartment units and associated structured parking.

The subject property is an approximately 18.5-acre lot located on the northeast corner of Mill Creek Drive and Ridge Route Drive. The property is currently developed with seven existing office buildings and surface parking lot, which was constructed in the late 1980s.



Figure 1: Existing two story office building

The subject property is surrounded by public roads and shares property lines with a commercial center to the south, church complex with a reservoir to the east, and an office building to the north. Across Mill Creek Drive to the west is an existing residential neighborhood with 2-story attached condominiums.

The Project site has a General Plan Land Use Designation of Mixed Use ("MU"). Additionally, the site is within the Mixed Use zoning district ("MXU") and Housing Overlay ("H") zone, which was established to provide development and land use regulations for the development of housing on specified sites identified in the City's 6th Cyle Housing Element to accommodate the City's unmet housing needs. The Project is subject to the combined regulations of the MXU and H Overlay standards ("MXU/H"). The General Plan and MXU/H permit high-density residential uses in their respective land use and zoning designations. The proposed Project is consistent with the MU Land Use Designation and the use and development standards of the MXU, including maximum lot coverage, maximum building height, and minimum lot size. However, the Applicant requests to utilize State Density Bonus Law ("SDBL") to permit development standard waivers. The MXU/H district allows for 20 -50 DU/AC dwelling units per acre ("DU/AC"). The Applicant is proposing an overall density of 25.9 DU/AC. Codified as California Government Code Section 65915, SDBL requires the City to approve increases in density, concessions/incentives, parking reductions, and development standard reductions/waivers for projects that include affordable units in a qualified housing project. The specifics of the density bonus request are discussed below in the Proposal & Analysis section of this report.

Authority:

The Development Code (commonly cited as the "Zoning Code" or the "Code") is codified as Title 9 of the Laguna Hills Municipal Code ("LHMC") and provides specific rules and standards for property use and development within the City of Laguna Hills. Chapter 9-92 of the Code outlines the process the City must ordinarily follow in reviewing new development projects. Pursuant to Chapter 9-92, approval of the proposed Vesting Tentative Tract Map, Site Development Permit, Precise Plan, Conditional Use Permit and Parking Use Permit requires Planning Agency approval. Chapter 9-92 also sets forth specific findings that ordinarily must be made in order to approve a Site Development Permit and/or Parking Use Permit. However, for housing development projects, State law (specifically, the Housing Accountability Act) preempts the procedures and findings set forth in the Development Code.

For housing development projects, the Housing Accountability Act adds an additional burden on the City's ability to deny a housing project that complies with applicable

objective general plan, zoning, subdivision, and design standards. Subdivision (j)(1) of Government Code Section 65589.5 states:

> (j) (1) When a proposed housing development project complies with applicable, objective general plan, zoning, and subdivision standards and criteria, including design review standards, in effect at the time that the application was deemed complete, but the local agency proposes to disapprove the project or to impose a condition that the project be developed at a lower density, the local agency shall base its decision regarding the proposed housing development project upon written findings supported by a preponderance of the evidence on the record that both of the following conditions exist:
> (A) The housing development project would have a specific, adverse impact upon the public health or safety unless the project is disapproved or approved upon the condition that the project be developed at a lower density. As used in this paragraph, a "specific, adverse impact" means a significant, quantifiable, direct, and unavoidable impact, based on objective, identified written public health or safety standards, policies, or conditions as they existed on the date the application was deemed complete.
> (B) There is no feasible method to satisfactorily mitigate or avoid the adverse impact identified pursuant to paragraph (1), other than the disapproval of the housing development project or the approval of the project upon the condition that it be developed at a lower density.

If a court finds a violation of the Housing Accountability Act, then the Court under that same statute has an ability to impose liability on an offending agency or city (depending on the facts of the case) for fines, penalties, sanctions, and the attorney's fees and costs incurred by the applicant and any other entity given standing under the Housing Accountability Act to sue for a violation of that statute.

State Density Bonus Law ("SDBL")

Codified as California Government Code Section 65915, SDBL requires the City to approve increases in density, concessions/incentives, parking reductions, and development standard reductions/waivers for projects that include a qualified affordable housing project. While the MXU/H district allows for residential projects up to 20-50 DU/AC, the site on the Project site. The Applicant is proposing a density of 25.9 DU/AC; therefore, a density bonus increase is not being requested.

Under SDBL, developers can request an unlimited number of "waivers" or modifications of development standards that would have the effect of physically precluding the construction of the proposed density bonus units or the requested developer's

requested concession or incentive. A city can only deny the requested waiver if it finds, based upon substantial evidence, that the waiver is contrary to state or federal law or would have a specific adverse impact on public health or safety or on property which is listed on the state Register of Historical Resources and where there is no feasible method to satisfactorily mitigate the specific adverse impact. The proposed Project has been designed to incorporate several development standard waivers or reductions per the SDBL. The specifics of the density bonus waiver requests are discussed below in the Proposal & Analysis section of this report. A more detailed summary of State Density Bonus Law is attached to this report for reference (see Attachment 4).

Assembly Bill 130 (AB 130)

On June 30, 2025, the State Legislature adopted, and the Governor signed, AB 130 and SB 131, which took effect immediately. These two bills made substantial changes to the California Environmental Quality Act ("CEQA") and the Permit Streamlining Act which further significantly limit the ability of cities to evaluate and disapprove higher density housing development projects.

AB 130 created a new statutory CEQA exemption for infill housing development projects meeting specified criteria and which have completed a consultation process with California Native American tribes that are traditionally and culturally affiliated with the project site (Public Resources Code Section 21080.66). To qualify for AB 130's statutory exemption, a Project must, among other things, be consistent with the applicable general plan and zoning ordinances (or qualify for a density bonus and waivers of development standards per the SDBL), achieve a density of at least 15 dwelling units per acre, be located on a site that is no more than 20 acres in size, be outside specified environmentally sensitive areas, and meet certain design criteria if located within 500 feet of a freeway.

On September 26, 2025, the Applicant notified the City that it was invoking AB 130's CEQA exemption for infill development housing projects. As required by AB 130, the City conducted an expedited tribal consultation process regarding the proposed Project.

The Applicant prepared an AB 130 Infill Housing Checklist demonstrating that the Project qualifies for the AB 130 CEQA exemption (Attachment 3). The City's peer-review consultants evaluated the Applicant's AB 130 checklist and concluded that the Project qualifies for the AB 130 exemption. Among other things, the Project achieves a density greater than 15 dwelling units per acre (59.8 du/ac) on a site that is less than 20 acres in size (18.5 acres); the Project site was previously developed with urban uses; the Project site is not located in an earthquake fault zone, very high fire hazard severity zone, or other environmentally sensitive area; with the exception of SDBL waivers, the Project is

consistent with the General Plan, MXU/H district, and applicable zoning and development standards; and the Project is not located within 500 feet of a freeway. The Project site is currently mapped within a special flood hazard area by the Federal Emergency Management Agency (FEMA). A hydrology analysis prepared by the Applicant and peer-reviewed by the City, however, demonstrates that the site is not actually located in a special flood hazard area. Approval of the Project would be conditioned on the Applicant obtaining a Letter of Map Revision or Amendment from FEMA.

AB 130 also amended certain provisions of the Permit Streamlining Act to require expedited review of housing development projects that qualify for the new CEQA infill exemption. Notably, Government Code Section 65950 was amended to require a lead agency for a development project (in this case the City) to either approve or disapprove a project that is exempt from CEQA under Public Resources Code Section 21080.66 within 30 days of completing the tribal consultation required by AB 130.

Tribal consultation began on October 10, 2025, and concluded on January 7, 2026. The Applicant agreed to extend the date for the Planning Agency to hear and act on the project application to February 24, 2026. During the consultation period, two tribes requested consultation: Gabrieleño Band of Mission Indians - Kizh Nation and Juaneño Band of Mission Indians, Acjachemen Nation. The Pauma Band of Luiseno Mission Indians (PBLMI) also responded to the City's AB 130 notice but did not wish to conduct formal AB 130 consultation. The tribal cultural resources measures resulting from consultation have been incorporated into the conditions of approval for the project (Condition of Approval Nos. 103-126).

Staff has prepared a proposed Resolution for conditional approval of the Project in accordance with the provisions of State law cited above for the Planning Agency's consideration (Attachment 1).

Proposal & Analysis:

Overview

The Applicant requests approval of a Vesting Tentative Tract Map, Site Development Permit, Precise Plan, Conditional Use Permit, and Parking Use Permit for "Terravita," a residential development, which consists of 480 residential units and a parking garage within a six-story building on a 18.5-acre parcel. The proposed overall residential density is 25.9 dwelling units per acre. The Project also includes a Parking Use Permit for the six-level, partially subterranean parking structure (Attachment 2). The entitlements being requested by the Applicant are as follows:

1. A Site Development Permit to demolish the existing office buildings and surface parking lot and develop the proposed residential Project.
2. A Vesting Tentative Tract Map ("VTTM") to subdivide the existing site into four residential lots, two lettered lots for private park space, and two lettered lots for private streets.
3. A Precise Plan Review to permit a mix of land uses on a single property or contiguous properties.
4. A Conditional Use Permit to permit 221 multi-family residential units in the Mixed Use Zone.
5. A Parking Use Permit to permit the construction, operation, and maintenance of the parking structure being proposed on Lot 4.

The Project includes the subdivision of the existing 18.5-acre parcel into four residential lots and four lettered lots. The lot sizes, type of units and land use, and total unit counts are shown in the table below (Attachment 2, Sheet CS 1).

Figure 2: Lot Sizes and Land Use Types

Lot Number	Lot Size (ac)	Unit Type/Land Use	No. of Units
1	3.23	Single Family Attached (Duet)	46
2	4.60	Single Family Attached (Duplex/Triplex)	107
3	6.47	Single Family Attached (Duplex)	106
4	2.33	Multi-Family (6-story wrapped around a parking structure)	221
A	0.31	Corner Park	---
B	0.30	Recreational Center (Lots 2 and 3)	---
C	1.10	Shared Street – Lots 2 and 3	---
D	0.17	Shared Street – Lot 4	---
Total	**18.5**	**----**	**480**

A summary of the proposed unit plan types, square footage, and unit counts for Lots 1, 2 and 3 is as follows (Attachment 2, Sheet CS 1):

Figure 3: Single Family Attached Plan Types

Lot No.	Plan Type	Bed/Bath	Sq. Ft.	No. of Units
1	Plan 1 Plan 2	4 bed/3.5 bath 4 bed/3.5 bath	2,121 2,738	23 23
2	**Triplex** Plan 1 Plan 2 Plan 3	 2 bed+den/3 bath 3 bed/3.5 bath 3 bed/3.5 bath	 1,820 1,965 2,130	 29 29 29
	Duplex Plan 2 Plan 3	 3 bed/3.5 bath 3 bed/3.5 bath	 1,965 2,130	 10 10
3	Plan 2 Plan 3	4 bed/3.5 bath 4 bed/3.5 bath	2,094 2,777	53 53

A summary of the proposed residential units for Lot 4 is as follows (Attachment 2, Sheet CS 1):

Figure 4: Multi-Family Unit Types

Unit Type	Sq. Ft.	Percentage	No. of Units
Studios	561	11.3	25
1 Beds	615-756	60.6	134
2 Beds	761-1,079	28	62
Total	----	**100**	**221**

Mixed Use District with Housing Overlay ("MXU/H") Development Standards

Section 9-30.040 of the MXU provides the land use and development standards for the Project site. The MXU contains the development standards for all new developments. A list of the requirements for each standard, proposed amounts, consistency with the Code, and which SDBL waivers are being proposed is provided on the City's website.

Objective Development Standards ("ODS")

Section 9-41 in the LHMC provides the development standards contained in Objective Design Standards ("ODS"). The ODS contains the development standards for all multi-family developments (which also includes "residential condominiums" per LHMC 9-41.020). A list of the requirements for each standard, proposed amounts, consistency

with the ODS, and which SDBL waivers are being requested are provided on the City's website.

Site Design/Circulation

The 259 single-family units will be constructed on Lots 1-3, with Lot 1 being a standalone portion that does not share access with Lots 2, 3, and 4. The corner park proposed on Lot A is an ancillary use intended for residents and will not require separate vehicular access. Overall resident and visitor access into the site will be facilitated via two unsignalized driveways along Mill Creek Drive and one unsignalized driveway off Ridge Route Drive. These driveways will provide access to internal private streets servicing the development. Detailed vehicular access and circulation into each lot will be discussed in the following sections.



Figure 5: Terravita Site Plan

Lot 1 Circulation – Single Family Attached Units

Lot 1 includes 46 single-family attached units and features a single access point off Mill Creek Drive. Ingress and egress will be allowed via an unsignalized full-movement driveway with an automatic gate entry that provides access into the internal access aisles within Lot 1. There is approximately 76 feet of stacking distance between the extension of curb along Mill Creek Drive and the automated gate, which can accommodate queueing for up to four vehicles. On-street parking will be prohibited within each internal street to provide accommodations for larger vehicle and emergency access. There is no vehicular access shared between Lot 1 and the single-family units in Lots 2 and 3. In accordance with Orange County Fire Authority ("OCFA") requirements, Lot 1 meets the minimum fire lane width standard of 20 feet and one

access point. While two dead-end drive aisles are shown on the site plan, neither exceeds the maximum allowable depth of 150 feet that would require an approved turnaround. Therefore, the site configuration is in compliance with OCFA code provisions.

Lots 2-3 Circulation – Single Family Attached Units

Lots 2 and 3 encompass the remaining 213 units of single-family attached units, with duplexes/triplexes on Lot 2 and duplexes on Lot 3. Non-emergency vehicle access will be facilitated by a single unsignalized access point with an automated gate entry off Mill Creek Drive. The distance between Mill Creek Drive and the automated gate will be approximately 250 feet, sufficient to accommodate up to 12 vehicles if necessary.

The internal streets within Lot 3 will have a width of 26 feet from curb to curb, with a minimum width of 22 feet for a segment situated at the northern part of the lot. In Lot 2, access aisles will range from 20 to 26 feet in width, providing adequate space for emergency and larger vehicles. To ensure proper fire access widths, curbs within Lots 2 and 3 will be striped red to prohibit on-street parking.

Additionally, Lots 2 and 3 will feature two separate emergency vehicle access gates - one along Mill Creek Drive and another sharing access with the driveway into Lot 4 off Ridge Route Drive. These two access points will be consistent with the OCFA Fire Master Plans for Commercial & Residential Development, which specifies that a minimum of two vehicle access points are required for developments containing 150 or more residential units.

“Driveways” within the Project site can be 24 feet wide but no longer than 150 feet in order to still be considered a driveway (Section 9-44 of LHMC, Table 9-44.D). Otherwise, the driveway is considered to be a “Private Street” subject to Standard Plan No. 1107 with a paved width of 28-36 feet and a sidewalk on one or both sides. On most streets within Lots 1, 2 and 3, this project has buildings on both sides of the private streets; therefore, the minimum paved width of 36 feet applies with sidewalks on both sides. Instead, this Project includes 26 feet wide streets with a sidewalk on one side of the street. The Applicant has requested waiver or modification of some of these standards pursuant to the SDBL.



Figure 6: Rendering of private street on Lot 2

Lot 4 Circulation – Multi-Family Units

Lot 4 consists of 221 apartment units within a six-story residential building. Access into the multi-family parking structure will be provided through an unsignalized driveway off Ridge Route Drive, immediately east of the signalized intersection of Mill Creek Drive and Ridge Route Drive. This entry will be 26 feet in throat width and will accommodate passenger vehicles as well as emergency vehicles utilizing the emergency vehicle access between Lots 3 and 4. There are 27 existing parking spaces outside of Lot 4 boundaries, along the eastern border of the lot, that are part of the adjacent commercial development. These parking spaces are not considered in the Project's parking supply.

Overall Parking on the Project Site

Two different parking standards apply to the Project. First, LHMC Section 9-44-050 requires attached, single-family homes to provide two assigned parking spaces in a garage or parking structure and 0.3 unassigned parking spaces per unit. Second, Government Code Section 65915(p) limits the required parking in a project subject to the Density Bonus Law where 1 space per unit is required for 0-1 bedrooms, 2 spaces for 2-3 bedrooms, and 2.5 spaces for 4 or more bedrooms. The proposed Project meets the parking ratios permitted by the Density Bonus Law. A summary of the parking for each lot as compared to this standard is shown in the following table:

Figure 7: Required Parking Table

Lot	No. of Units	Unit Type	No. of Spaces Required	No. of Spaces Provided
1	46	Single Family Attached (Duet)	115	138

Lot	No. of Units	Unit Type	No. of Spaces Required	No. of Spaces Provided
2	107	Single Family Attached (Duplex/Triplex)	214	220
3	106	Single Family Attached (Duplex)	265	282
4	221	Multi-Family (6-story wrapped around a parking structure)	283	380
Total	----	----	**877**	**1,020**

Parking on Lots 1-3

Each single family attached unit with side-by-side parking has a 20' by 20' enclosed garage. Other single-family attached units have two 10' by 20'enclosed garage spaces with a staggered configuration. Some single family attached units have driveways that are sufficiently deep to accommodate an additional parking space. As such, these units will have three parking spaces (two within the garage and one within the driveway). Twenty-one unassigned open parking spaces are also proposed, which includes one accessible space adjacent to the community center. The open parking spaces are 9' wide by 18' deep.

Parking on Lot 4

The Project includes a new multi-level parking structure, garages and driveway spaces for the single-family units, and surface parking lots with guest spaces. Pursuant to LHMC Section 9-44.110, parking structures, including underground or subterranean structures, shall require a Parking Use Permit and shall be designed to meet the guidelines in Section 9-44.110, in addition to standards contained in Chapter 9-44.

Located on Lot 4, a total of 380 parking stalls are proposed within the 6-level parking structure (Attachment 2, Sheet G1.0). The first level contains 23 parking stalls. The second – fifth levels contain 71 parking stalls each. The sixth level contains 73 parking stalls. The five ADA-accessible stalls are located on the first - fifth levels. LHMC Section 9-44.110 (Parking structure design standards) also requires a Parking Use Permit for parking structures and identifies parking structure design guidelines. The proposed Project complies with these guidelines.

Level of Service ("LOS") Screening

The City's guidelines provide criteria for determining whether a Traffic Impact Study that evaluates LOS will be required for a project. Per Section 7.0 of the City's guidelines, a project that generates fewer than 50 peak hour trips and fewer than 500 trip-ends

per day and is consistent with the zoning/general plan designation for the property would not require a Traffic Impact Study. The Project is forecasted to generate 44 net new daily trips, 197 fewer morning peak hour trips, and 158 fewer evening peak hour trips than the existing office land uses on-site. The trip thresholds established by the City are not exceeded; therefore, a traffic impact study is not required for this Project.

Architecture

Section 4.1 of the City's Objective Design Standards ("ODS") specifies that Spanish, Mediterranean, or Ranch architectural styles shall be used for multi-family developments (which also includes "residential condominiums" per LHMC 9-41.020) in the northern portions of the City. Once a style is selected, the ODS requires the same style is used throughout the Project. The Applicant is proposing a Spanish architectural style (Attachment 2, Sheets A3 – A6). According to the ODS, the Project must include six or more of the features listed in the ODS. The architectural features being proposed by the Applicant, which exceeds the minimum requirement of six features, are listed below:

Spanish style architectural features per ODS

- Wrought Iron Railings
- Recessed Entrances
- Multi-Pane Windows
- Dark Brown Wood Elements, including garage doors
- Clay Tile Vents
- Arched Entryways
- Window Grills
- Recessed Niches
- Simple Divisions of Window Mullions
- Decorative Tiles
- Fabric Awnings
- Gutters
- Exposed beams
- Shutters
- Red clay tile roofs
- Tower elements

The Applicant is proposing contrasting earthtone color schemes to avoid architectural monotony, while maintaining a consistent appearance throughout the development. A casing trim is proposed around the windows to provide shadow lines. Gable and shed roofs with minimal eave overhangs and s-shaped tiles are proposed. The use of

articulation within the facades adds visual interest to the buildings. The sides of street facing units have additional articulation. Mechanical equipment will be located on the ground behind each unit, which will comply with setback and screening requirements set forth in the LHMC. The attached single family building heights will be 38 feet tall, which will be 7 feet taller than the existing 31 feet high, 2-story office buildings.



Figure 8: Rendering of single family attached units on Lot 2

Park Fees

In accordance with LHMC Chapters 18-06 and 8.07 and City Council Resolution No. 2018-11-13-3, the proposed project requires the payment of fees for parks, recreation and open space facilities to accommodate the residents of new residential development projects, which create a need for, and demand upon, such facilities. Based on the proposed density, the formula and associated Park Fee amount are provided below:

$15,636 x 480 units = $7,505,280

Signs

The Applicant submitted a signage concept plan for review and intends to submit a separate application at a later date for a Master Sign Program (MSP) for the property. The MSP will incorporate the building identification signage, wayfinding and directional signs, and monument signage for the proposed Project. Condition of Approval No. 25 requires that the Applicant submit an application for Master Sign Program Application for review and approval prior to the issuance of a Certificate of Use and Occupancy.

Landscaping, Recreation and Open Space

The Project includes tree-lined frontages along Mill Creek Drive and Ridge Route Drive and street trees along the frontages of the internal private streets, except within front setback areas where no planters are provided. A variety of shrubs, groundcover, and vines are proposed in all private yard areas. All trees within the existing surface parking lot and front/rear setback areas will be removed due to required grading and demolition to accommodate the residential development.

The proposed conceptual landscaping throughout the Project site consists of drought-tolerant (low- to medium-water use) plants (Attachment 2, Sheet L1). The proposed tree palette includes the Strawberry, Chinese Flame, Crape Myrtle, Olive, Date Palm, Allepo Pine, London Plane, Carolina Cherry Laurel and Mexican Fan Palm. The shrub palette includes Agave, Aloe, Coyote Brush, Weeping Bottlebrush, Natal Plum, Rockrose, Dianella, Yucca, Holly, and Lantana, among others.

The Project includes three community recreational/open space areas (Attachment 2, Sheets L7, L8, and L9). Lot A is a 0.31-acre "Corner Park" which will be private park for the benefit of the Terravita residents. The park will include amenities such as a tot lot for children, benches/seating, a stage, turf area, sidewalks, dog park, and a 42-inch high fence around the dog park. Lot B is an enclosed 0.30-acre "Recreation Center" to serve the residents on Lots 2 and 3. The center will be owned and maintained by the homeowners' association. The center will include amenities such as a fountain, outdoor barbeque, hardscape, dining area, outdoor seating/benches, turf area, fire pit, pool, community building, and cabana. Lastly, an enclosed 0.30 acre community space is proposed on Lot B to serve the multi-family residents on Lot 4. The area will include amenities such as decorative features, outdoor seating/benches, hardscape, fire pit, pool, monument sign, call box, and cabana. The area will be owned and maintained by the homeowners' association.



Figure 9: Rendering of recreational area on Lot 2

Fencing

The Project site will include perimeter and internal fencing as follows (Attachment 2, Sheet L10):

- Split face (decorative/textured) 6’ tall block wall along the Mill Creek Drive frontage of Lot 1, and around the parking lot of the Richmont office building at 23330 Mill Creek Drive, and in between Duet buildings on Lot 1
- Combo tubular steel fence with block wall 5’6” tall – eastern boundary of Lot 1, adjacent to a slope and Lots 2 and 3
- Tubular steel fence 5’6” tall on top of plantable Mechanically Stabilized Earth (MSE) retaining wall – northern boundary of Lot 1, adjacent to a slope and commercial property
- Tubular steel fence 6’ tall – along street frontage of Recreational Center (Lot B), in between duplexes along Mill Creek Drive, and around outdoor community area on Lot 4
- Vinyl white colored fence 6’ tall – eastern boundary of Lot 3, adjacent to a plantable MSE slope and church property
- A 38 foot high plantable geogrid Verdura retaining wall adjacent to the church reservoir to the east



Figure 10: Entryway along Mill Creek Drive

Lighting

Exterior lighting proposed throughout the Project site will include 16-foot tall light poles along all of the internal private street frontages and 12-foot tall light poles within the recreation areas on Lots A and B. Lastly, LED uplighting is proposed to illuminate each monument sign.

LHMC Section 9-40.170 (Lighting) requires that all "Exterior lighting shall be shielded or recessed so that direct glare and reflections are contained within the boundaries of the parcel and shall be directed downward and away from adjoining properties and public rights-of-way. No lighting shall blink, flash, or be of unusually high intensity or brightness. All lighting fixtures shall be appropriate in scale, intensity, and height to the use served. Security lighting shall be provided at all entrances/exits." The proposed 12 to 16-foot tall lampposts throughout the Project site, adjacent to residential units, are identified on the plans as generating a lighting intensity of between 1.4 – 5.7 footcandles (Attachment 2, Sheets EP1.1 and EP1.2). The Project site does not abut sensitive land uses such as single-family homes. Recommended Condition of Approval No. 23 requires the Applicant to submit a lighting and photometric plan to the Community Development Director prior to the issuance of a building permit that ensures the requirements LHMC Section 9-40.170 will be met.

Richmont Office Building at 23330 Mill Creek Drive

The Applicant proposes to construct a new parking lot to accommodate the office building at 23330 Mill Creek Drive, owned by Richmont Corporation. The site plan indicates that this office parcel is "Not a Part" of the Project site, nor is the parcel incorporated into the VTTM. This office building currently shares the same common surface parking lot as the eight other office buildings on the Project site, which are owned by Lakehills Corporate Park Owners' Association. A Lot Line Adjustment ("LLA") application is separately being processed to combine and adjust existing lot lines for purposes of disposition to the separate property owners upon potential future

dissolution of the Owners' Association, including the adjacent parking lot for the Richmont Corporation office parcel. The LLA will be reviewed and approved in accordance with LHMC Chapter 9-86, Subdivisions. Condition of Approval No. 18 requires that the proposed parcel divisions of the Final Tract Map shall be in substantial compliance with the approved tentative map and that the existing parcel conditions of the Final Tract Map shall reflect a lot line adjustment consolidating and adjusting existing parcel lines on the 23330 Mill Creek Drive office building site.

The office building has a total square footage of 13,638 sf. Pursuant to LHMC section 9-44.050, the "General Office" parking requirement is 1 space/300 sf, so 45 spaces would be required for general office. In compliance with LHMC requirements, the plans show 47 spaces are proposed to accommodate general office uses.

Housing Element

The proposed Project site is identified as an underutilized site suitable for the development of housing in the City's General Plan Housing Element Sites Inventory (Site ID Nos. 81, 87, and 113). The Underutilized Sites Analysis on pages H-203, H-204, and H-206 of the Housing Element contains the following discussion regarding this site:

"Site 81: 23272 Mill Creek Drive 330"

"This 1.81-acre site is known as Summit Office Plaza (West). Existing uses are commercial. According to LoopNet, a commercial broker website, the site consists of 140 parking spaces and a three-story professional office building built in 1984. Tenants include a massage therapist, financial office, and software developer According to the Orange County Office of the Treasurer-Tax Collector, the assessed improvement value on this site is 44 percent of the total assessed value (land plus improvements), which also indicates that redevelopment is likely. The City has received a letter of support from the property owner conveying strong support for including Site 81 in the Housing Element as an opportunity site. The property was listed for sale in October 2022 and since that time, nearly 100% of the serious interest from buyers is for redevelopment of the site to residential uses. Given this strong level of interest and the owner's willingness to consider a sale, there is a clear path towards this location being redeveloped for residential in the next several years. Staff has also discussed this site with multiple housing developers with interest in this site for residential development. This site owner also owns adjacent Site 87."

"Site 87: 23282 Mill Creek Drive 100"

"This 1.66-acre site is known as Summit Office Plaza (East). Existing uses are

commercial. According to LoopNet, a commercial broker website, the site consists of 140 parking spaces and a three-story professional office building built in 1984. Tenants include environmental consultants, mortgage lenders, and a financial office. According to the Orange County Office of the Treasurer-Tax Collector, the assessed improvement value on this site is 44 percent of the total assessed value (land plus improvements), which indicates that redevelopment is likely. The site currently has multiple vacancies. The site is located adjacent to Site 113, which is being purchased by a residential developer, as detailed below. The City has received a letter of support from the property owner conveying strong support for including Site 81 in the Housing Element as an opportunity site. The property was listed for sale in October 2022 and since that time, nearly 100% of the serious interest from buyers is for redevelopment of the site to residential uses. Given this strong level of interest and the owner's willingness to consider a sale, there is a clear path towards this location being redeveloped for residential in the next several years. Staff has also discussed this site with multiple housing developers with interest in this site for residential development. This site owner also owns adjacent Site 81."

"Site 113: 23332 Mill Creek Dr, 23382 Mill Creek Dr, 23422 Mill Creek Dr, 24411 Mill Creek Dr, and 24411-24461 Ridge Route"

"This 15.9-acre site is known as HERE (formerly Lakehills Corporate Park). Existing uses are commercial. This site consists of five 2-story professional office buildings totaling to 223,888 square feet constructed in 1988 and renovated in 2017. It also consists of a parking lot containing 865 spaces. The owners are very interested in the possibility of residential use of the property. The City has had several meetings with Ron Harari, President and CEO of Tova Capital, Inc., and have received a letter of support for future residential development of the site (see Appendix C). The property was marketed in May 2022 and staff has been contacted by at least a half-dozen developers interested in developing some type of residential use on the property. The property has been purchased by the Kelemen Company and Kingsbarn (a housing developer) who have indicated plans to develop the site with residential land uses, built in four phases to accommodate current office-space leases and to control timing for roll-out of new residential units ensuring adequate market absorption with each phase. See support letter, with concept plans, in Appendix C. There are some active long leases on site, however, the size and layout of the site has the opportunity for phasing, subdividing, and grouping remaining office uses in the same building(s) while allowing the site to incrementally realize residential development potential. This site has a low as-built FAR of 0.32 where 0.38 is permitted, indicating that the site is underutilized. This property has lakefront views, is located very close to services and primary arterials for regional accessibility."

No Net Loss

Pursuant to Government Code Section 65863, the City must ensure its Housing Element sites inventory continues to have capacity at all times to accommodate the RHNA by income group throughout the planning period. If a jurisdiction approves a development on a parcel identified in its Housing Element sites inventory with fewer units in an income category than shown in the Housing Element, the City must either make findings that the Housing Element's remaining sites have sufficient capacity to accommodate the remaining unmet RHNA by each income level, or identify and make available additional adequate sites to accommodate the remaining unmet RHNA for each income category. A jurisdiction may not disapprove a housing development project on the basis that approval of the development would trigger the identification or zoning of additional adequate sites to accommodate the remaining RHNA.

Additionally, Section 65863 requires findings be made to ensure that the City can continue to fulfill requirements of Housing Element Law, including the accommodation of the RHNA. The findings must include a quantification of the remaining unmet need for the jurisdiction's RHNA at each income level and the remaining capacity of sites identified in the Housing Element to accommodate that need by income level.

At the time the 6th Cycle Housing Element was prepared and adopted, the City's RHNA was calculated to be 1,985 units, divided into the following categories: 921 lower-income units, 354 moderate-income units, and 710 above moderate-income units. The sites identified in the certified Housing Element were determined adequate to accommodate a total of 3,061 units, including 619 more units than the City's unmet RHNA in the lower income category, 51 more units than the City's unmet RHNA for the moderate-income category, and 406 more units than the City's unmet RHNA for the above-moderate income category. Overall, the sites inventory in the adopted Housing Element reflected a total capacity surplus of 1,076 units.

A component of preparing the City's Housing Element is the identification of vacant and underutilized sites suitable for residential development, and an evaluation of the housing development potential of these sites in fulfilling the City's RHNA. The Project site is identified in the Housing Element as having a realistic capacity to accommodate 689 lower income (very low and/or low income) units. The proposed project would provide 24 very low-income units and 456 above moderate-income units. As a result, the City must determine whether the remaining sites identified in the Housing Element are adequate to meet the requirements of Section 65583.2 and accommodate the City's remaining share of the unmet RHNA for the planning period.

Since September 23, 2025, the City has approved three housing developments: La Paz Village, Oakbrook Plaza, and 23161 Mill Creek Road, for a total of 466 residential units, including 20 very low-income units. Two of the three housing developments invoked SB 330 to lock in zoning, fees, and development standards early, preventing changes during the project review process. Two of the developments used State Density Bonus Law, which permitted the developers to request waivers to development standards based on the type and affordability of housing units. Of the three sites, only one site (Oakbrook Plaza) was identified in the Housing Element as a potential site to accommodate greater intensity for development or vacant land for residential uses. Staff evaluated all housing projects that have been permitted or approved during the current Housing Element planning period, including the remaining identified sites for potential housing projects in the Housing Element. Staff determined that the remaining sites identified in the Housing Element do not have sufficient capacity to accommodate the City's remaining unmet RHNA need for each income level. The Project, as proposed, adjusts the City's unmet need to satisfy the City's RHNA to 1,293 lower income units and reduces the City's remaining realistic capacity to accommodate lower income RHNA requirement to 1,076 units, establishing a deficit of 261 lower income units to meet the City's RHNA requirement. In accordance with Government Code Section 65863(c)(2), if insufficient sites remain, the statute states that, within 180 days, a city must "identify and make available additional adequate sites to accommodate the jurisdiction's share of the regional housing need by income level." Section 65863(c)(2) further provides that "[n]othing in this section shall authorize a city . . . to disapprove a housing development project on the basis that approval of the housing project would require compliance with this paragraph." The required No Net Loss findings are included in the proposed Resolution.

Conclusion:

With exception to the incentives/concessions, waivers and reductions of development standards, and reduced parking ratios permitted under State Density Bonus Law and given that (i) the proposed project meets all remaining MXU/H and ODS development standards; (ii) the development includes affordable housing units; (iii) the development properly invokes Density Bonus Law and requests development standard waivers and ODS standards; (iv) AB 130 has been properly invoked by the Applicant and the tribal consultation process is complete; and (v) the Project meets all the criteria imposed by that law Staff recommends approval of VTTM/SDP/CUP/PP/PUP No. 0209-2025.

Public Notice:

The proposed project was advertised in an adjudicated newspaper of general

circulation on February 12, 2026. In addition, 320 property owners within a 500-foot radius of the subject property were mailed a public hearing notice. Any written comments received will be distributed at the public hearing held by the Planning Agency.

Applicant Community Meeting
At the request of Staff, the Applicant conducted a developer-led community meeting to discuss the project on January 15, 2026. Notice of the meeting was mailed to all property owners and occupants/tenants within 300-feet of the project site. The Applicant provided a brief presentation about the project and then was available for questions from the community. A City representative also was in attendance but did not participate or respond to questions regarding the project.

CEQA:

The Applicant contends that the proposed Project is exempt from review under the California Environmental Quality Act pursuant to the statutory exemption for infill housing development projects. (Public Resources Code Section 21080.66). The Applicant submitted an AB 130 checklist supported by technical studies. The City's peer reviewer, De Novo Planning Group, evaluated the Applicant's AB 130 checklist and supporting technical studies. De Novo determined that if the Project is deemed consistent with applicable general plan and zoning requirements because it is subject to the Density Bonus Law (Government Code Section 65915), then it satisfies the qualifying criteria set forth in AB 130. (Attachment 4). Tribal consultation was conducted and concluded under AB 130. Consistent with AB 130, Conditions of Approval have been included requiring monitoring of tribal cultural resources during construction and requiring identification and remediation of any hazardous substances on the Project site.

Fiscal Impact:

City regulations require applicants for development projects to reimburse the City for the actual fees and costs incurred by the City in conjunction with the City's review, evaluation, and processing of land use applications and reviewing proposed projects pursuant to the provisions of the California Environmental Quality Act ("CEQA"). The Applicant shall be responsible for payment of all applicable fees pertaining to development of the Project pursuant to the City's Comprehensive Fee Schedule.

Attachments:

1. Proposed Resolution of Approval
2. Project Plan Set
3. AB 130 Infill Housing Exemption Checklist
4. State Density Bonus Law Summary
5. Chronology of Key Dates
6. Link to Project Documents

RESOLUTION NO. PA2026-02-24-X

A RESOLUTION OF THE PLANNING AGENCY OF THE CITY OF LAGUNA HILLS, CALIFORNIA, CONDITIONALLY APPROVING VESTING TENTATIVE TRACT MAP / SITE DEVELOPMENT PERMIT / PRECISE PLAN / CONDITIONAL USE PERMIT / PARKING USE PERMIT NO. 0209-2025, A REQUEST BY JOHN STACK, ON BEHALF OF KINGSBARN CAPITAL AND DEVELOPMENT, LLC, TO PERMIT A PROJECT THAT CONSISTS OF: THE SUBDIVISION OF AN EXISTING 18.5-ACRE PARCEL LOCATED AT 23272, 23282, 23332, 24411, AND 23422 MILL CREEK DRIVE AND 24461 AND 24411 RIDGE ROUTE DRIVE (APN 588-161-06, 588-161-07 588-161-08 588-161-09 588-161-10, 588-161-11, 588-161-12, AND 588-161-13); DEMOLITION OF SEVEN EXISTING OFFICE BUILDINGS AND SURFACE PARKING AND THE CONSTRUCTION OF A NEW 480-UNIT RESIDENTIAL DEVELOPMENT CONSISTING OF 259 ATTACHED SINGLE FAMILY UNITS, 221 MULTI-FAMILY UNITS, INCLUDING 24 AFFORDABLE UNITS FOR VERY LOW INCOME HOUSEHOLDS, WAIVERS OF DEVELOPMENT STANDARDS PER STATE DENSITY BONUS LAW, AND A 6-STORY, 380-STALL PARKING STRUCTURE ON LOT 4; AND FINDING THE PROJECT EXEMPT FROM THE CALIFORNIA ENVIRONMENTAL QUALITY ACT AS AN INFILL DEVELOPMENT HOUSING PROJECT PURSUANT TO ASSEMBLY BILL 130 (PUBLIC RESOURCES CODE SECTION 21080.66)

The Planning Agency of the City of Laguna Hills, California, hereby finds, determines, declares, and resolves as follows:

WHEREAS, Kingsbarn Capital and Development, LLC (the “Applicant”) has requested approval of the subdivision of an existing 18.5-acre parcel currently containing seven office buildings and surface parking into four residential parcels, two lettered lots for private park space, and two lettered lots for private streets, the demolition of the seven existing office buildings and a surface parking lot, the construction of a new 480-unit residential development consisting of 259 attached duet, duplex, and triplex single family (for-sale) units and 221 (for-rent) multi-family apartment units, including 24 multi-family affordable units for very low income households, and a 380-stall parking structure on proposed Lot 4 (the “Project”); and

WHEREAS, the Subject Property is generally located at the corner of Mill Creek Drive and Ridge Route Drive; and

WHEREAS, on October 28, 2024, the Applicant submitted an SB 330 preliminary application to the City for a 464-unit residential development and associated structured parking on the Subject Property; and

WHEREAS, on January 23, 2025, the Applicant submitted a formal land use application to the City for the Project that was consistent with the preliminary application, which the City determined and notified the Applicant was incomplete on February 21, 2025; and

WHEREAS, on March 19, 2025, the Applicant submitted a revised land use application to the City for the Project, which the City determined and notified the Applicant was complete on April 18, 2025, in accordance with Government Code Sections 65941.1(e) and 65943; and

WHEREAS, on June 17, 2025, the City subsequently provided technical comments and timely written notice to the Applicant pursuant to Government Code Section 65589.5(j)(2)(A) of those City plans, programs, policies, ordinances, standards, and requirements that the proposed Project was, or potentially was, inconsistent, not in compliance, or not in conformity with; and

WHEREAS, on June 30, 2025, the Legislature adopted, and the Governor signed, Assembly Bill ("AB") 130, which was an urgency measure that took effect immediately; and

WHEREAS, among other changes, AB 130 added Section 21080.66 to the Public Resources Code, providing that infill housing development projects meeting specified criteria are statutorily exempt from review under the California Environmental Quality Act ("CEQA"); and

WHEREAS, on September 26, 2025, the Applicant submitted supplemental application materials to the City, which included a new project scope, an increase in dwelling units, vesting tentative tract map revisions, site plan changes, and responses to comments from the June 17, 2025, letter; and

WHEREAS, on December 19, 2025, the Applicant submitted a revised entitlement package to address the comments from the September 26, 2025 submittal; and

WHEREAS, as revised, the final Project application is for "Terravita," a 480-unit residential development project, including 24 affordable units for very low-income households, associated structured parking, and certain waivers of development standards that would physically preclude the Project at the proposed density pursuant to the State Density Bonus Law (Government Code section 65915); and

WHEREAS, on September 26, 2025, the Applicant notified the City that the proposed Project is exempt from CEQA as an infill development housing development project pursuant to AB 130 (Public Resources Code Section 21080.66); and

WHEREAS, subdivision (b) of new Section 21080.66 of the Public Resources Code provides for local governments to offer and to engage in a process to consult with each California Native American tribe that is traditionally and culturally affiliated with the project site in order to identify whether a tribal cultural resource could be affected by the proposed project and to find measures that would avoid significant impacts to tribal cultural resources; and

WHEREAS, the City consulted with those California Native American tribes that the Native American Heritage Commission (NAHC) identified as traditionally and culturally affiliated with the proposed Project site for the purposes of identifying measures to avoid significant impacts to tribal cultural resources that could potentially be affected by the proposed Project which consultations concluded on or about January 7, 2026; and

WHEREAS, the Project requires approval of a Vesting Tentative Tract Map, Site Development Permit, Precise Plan, Conditional Use Permit and a Parking Use Permit; and

WHEREAS, the Project has been designed to incorporate certain incentives or concessions, waivers or reductions of development standards, and reduced parking ratios pursuant to the State Density Bonsu Law (Government Code Section 65915); and

WHEREAS, the Project site has a General Plan Land Use Designation of Mixed Use, is designated in the General Plan Housing Element as an underutilized site that could accommodate a future housing development, and has a zoning designation of Mixed Use District with Housing Overlay (“MXU/H”); and

WHEREAS, the Planning Agency has considered evidence and testimony presented by City staff, the Applicant, the public, and other interested parties at a duly noticed public hearing held on February 24, 2026; and

WHEREAS, all other legal prerequisites to the adoption of this Resolution have occurred.

NOW, THEREFORE, THE PLANNING AGENCY OF THE CITY OF LAGUNA HILLS, CALIFORNIA, DOES RESOLVE, DECLARE, DETERMINE, AND ORDER AS FOLLOWS:

SECTION 1. The above recitals are true and correct and are incorporated herein by reference.

SECTION 2. That the Project is statutorily exempt from CEQA as an infill development housing project pursuant to AB 130 (Public Resources Code Section 21080.66).

SECTION 3. That the conditions imposed on the Project are reasonable and do not reduce the density of the Project or render the Project infeasible.

SECTION 4. The Planning Agency hereby determines that the required findings by the City for approval of Vesting Tentative Tract Map / Site Development Permit / Precise Plan / Conditional Use Permit / Parking Use Permit No. 0209-2025 have been met and made as follows:

Vesting Tentative Tract Map

1. The proposed map is consistent with the Laguna Hills General Plan.

   The proposed map will subdivide an existing 18.5-acre site for the purpose of development of 480 new housing units. The Project site is located within the General Plan Mixed Use land use designation and has a zoning designation of Mixed Use District with Housing Overlay ("MXU/H") The Mixed Use land use designation and MXU/H district identify high-density residential uses as appropriate for this site. Additionally, the site is designated in the General Plan Housing Element as an underutilized site that could accommodate a future housing development. The General Plan Land Use Element states that a lot designated with the Housing (H) Overlay Zone in the Laguna Hills Municipal Code may be developed at residential densities between 20 and 50 dwelling units per acre, with no FAR restrictions for residential development, regardless of the underlying land use designation. The proposed map subdivides the existing lot into four separate residential lots and four lettered lots to accommodate the Project. The proposed map furthers the intent of the Land Use and Housing Elements of the General Plan and the MXU/H district by facilitating a project that includes the development of a high-density, attached single family (for-sale) and multiple-family (for-rent), 480-unit housing project. Furthermore, the proposed Project would implement several General Plan goals and policies, including Goals LU-2, LU-3, LU-4, H-2, and H-3, and Policies LU1.4, LU-2.2, LU-3.3, LU-3.6, LU-4.1, LU-4.2, LU-4.6, and H-2.1.

2. The design and improvement of the proposed subdivision is consistent with the Laguna Hills General Plan.

   The Project site is located within the General Plan Mixed Use land use designation and is designated in the General Plan Housing Element as an underutilized site that could accommodate a future housing development. The site has a zoning designation of Mixed Use District with Housing Overlay ("MXU/H"). The Mixed Use land use designation is implemented by the specific development standards and policies outlined in the MXU and H districts, and the General Plan Land Use Element states that a lot designated with the Housing (H) Overlay Zone in the Laguna Hills Municipal Code may be developed at residential densities between 20 and 50 dwelling units per acre, with no FAR restrictions for residential development, regardless of the underlying land use designation. The Project proposes a residential density of 25.9 dwelling units per acre, which is within the maximum allowable number of dwelling units per acre in the H Overlay district. The site currently includes seven existing office buildings and a surface parking lot which will be demolished. The MXU envisions high density residential uses and incorporates design and improvement standards to support those types of projects. Additionally, as a designated site for high-density housing in the Housing Element, the design and improvement of the subdivision of land to accommodate the development of the housing is supported by the General Plan. The site is physically

suitable for the proposed type of development in that it is of a reasonable shape, size, and topography to accommodate a residential subdivision.

The 18.5-acre site is currently developed with seven existing commercial office buildings and an associated surface parking lot on relatively flat topography. The site is surrounded by public roads and share property lines with other developed properties such as an office, retail center and church. The proposed subdivision creates new lots lot of substantial size, utilizable shape, and flat topography which would create a viable area for high density residential development. Therefore, the site physically suitable for the proposed type of development.

Furthermore, the proposed Project would implement several General Plan goals and policies, including Goals LU-2, LU-3, LU-4, H-2, and H-3, and Policies LU1.4, LU-2.2, LU-3.3, LU-3.6, LU-4.1, LU-4.2, LU-4.6, and H-2.1.

3. The requirements of the California Environmental Quality Act have been satisfied.

   The AB 130 checklist submitted by the Applicant and peer-reviewed by the City's technical consultants demonstrates that the Project satisfies the requirements of AB 130's statutory CEQA exemption for infill housing developments (Public Resources Code Section 21080.66), including requirements regarding site size, density, general plan and zoning consistency, protected species, historic resources, contaminated property, and fire hazards. The Project site is currently mapped within a special flood hazard area by the Federal Emergency Management Agency (FEMA). A hydrology analysis prepared by the Applicant and peer-reviewed by the City, however, demonstrates that the site is not actually located in a special flood hazard area. Approval of the Project would be conditioned on the Applicant obtaining a Letter of Map Revision or Amendment from FEMA.

4. The site is physically suitable for the proposed density of development.

   The project proposes a residential density of 25.9 dwelling units per acre, which is within the maximum allowable number of dwelling units per acre in the H Overlay district. The engineering and traffic analyses prepared for the Project demonstrate that the site is physically suitable for the proposed density of development and, as conditioned, the Project will not create adverse impacts on the site.

   In addition, the increased water demand and sewer flows anticipated to generated by the Project were analyzed and it was determined that the Project will not have a significant impact on regional water supply capacity or regional wastewater treatment capacity and that no significant regional or local water or sewer impacts are anticipated.

5. The design of the subdivision and the proposed improvements are not likely to cause substantial environmental damage or substantial and avoidable injury to fish or wildlife or their habitat.

   The Project shall be constructed and operated in compliance with all applicable environmental laws and regulations, including but not limited to: the Migratory Bird

Treaty Act (16 U.S.C. §§ 703–712) and California Fish and Game Code Sections 3503, 3503.5, and 3513 (protection of migratory birds and their nests); the California Endangered Species Act (Fish & Game Code §§ 2050 et seq.); Fish and Game Code Section 4150 (protection of nongame mammals, including bats); California Health and Safety Code Section 7050.5 and Public Resources Code Sections 5097.98 and 5097.99 (discovery and treatment of human remains); Penal Code Section 622.5 (protection of objects of archaeological or historical interest); South Coast Air Quality Management District Rules 403 (Fugitive Dust), 1113 (Architectural Coatings), and 1143 (Consumer Paint Thinners and Multi-Purpose Solvents); California Air Resources Board In-Use Off-Road Diesel-Fueled Fleets Regulation (13 CCR §§ 2449 et seq.) and Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling (13 CCR § 2485); City of Laguna Hills Municipal Code Chapter 5-24 (Noise Control) and Chapter 6-16 (Noise Disturbances); and Senate Bill 1383 (Chapter 395, Statutes of 2016) and its implementing regulations (14 CCR, Division 7, Chapter 12), and CALGreen Code Section 5.408 (construction and demolition debris diversion). For these reasons, the design of the subdivision and the proposed improvements are not likely to cause substantial environmental damage or substantial and avoidable injury to fish or wildlife or their habitat.

6. The design of the subdivision and the type of improvements proposed are not likely to cause serious public health problems.

   The subject property is not located on a site with potential hazardous waste per the State Department of Health Services, State Water Resources Board, and the California Waste Management Board. Nonetheless, per AB 130, any contamination discovered on the Property must be remediated per State law before any certificates of occupancy may be issued. Additionally, the Applicant prepared a Construction and Operational Health Risk Assessment (HRA) to evaluate the potential health risk impacts to sensitive receptors and adjacent workers during construction and operation of the Project. (HRA, Urban Crossroads, March 6, 2025, p. 1.) The HRA concluded that Project would not cause a significant human health or cancer risk. (HRA, p. 1.)

7. The design of the subdivision and the type of improvements proposed will not conflict with easements of record or established by court judgment acquired by the public at large for access through or use of property within the proposed subdivision; or, if such easements exist, that alternate easements for access or for use will be provided and that these will be substantially equivalent to ones previously acquired by the public.

   As conditioned, the proposed subdivision and associated improvements will not conflict with any public access easements of record or acquired by court judgment. Utility easements not related to public access in conflict with the proposed project will be quitclaimed and new utility easements will be dedicated.

8. The design and improvement of the proposed subdivision is suitable for the uses proposed and the subdivision can be developed in compliance with the applicable zoning regulations.

The site currently contains seven professional office buildings and a surface parking lot which is the site of the proposed residential structures. The site is large enough to accommodate the development per the MXU/H standards. Therefore, the design and improvement of the proposed subdivision is suitable for the uses proposed and the subdivision can be developed in compliance with the applicable zoning regulations of the MXU/H. The base density of the new residential development is consistent with the density permitted by the MXU/H, and with the exception of the waiver or reduction of development standards that would preclude development of the Project, as permitted by the H Overlay district zoning and the State Density Bonus Law, the Project meets all applicable Development Code requirements and Objective Design Standards.

9. The design of the subdivision, to the extent feasible, does have allowance for future passive or natural heating and cooling opportunities.

   The Project would meet the applicable MXU/H standards and SDBL waivers, including setbacks, and meets the minimum open space area required for the new development of the residential development. This would accommodate landscaping that can be provided throughout the site with adequate setbacks, which would provide for natural/passive cooling opportunities.

   Furthermore, the construction of the residential development shall be required to comply with the California Energy Commission's adopted Building Energy Efficient Standards that require the inclusion of energy conservation features in residential development, and to incorporate energy-saving design solutions to reduce energy consumption by at least 10 percent below the California Energy Code (Title 24, Part 6 of the California Code of Regulations, California Energy Efficiency Standards for Residential and Non-Residential Buildings). The proposed design of the subdivision provides for future passive or natural heating or cooling opportunities, to the extent feasible.

10. The design, density, and configuration of the subdivision strikes a balance between the effect of the subdivision on the housing needs of the region and of public service needs.

    The subdivision would include high-density residential development within the City's Mixed Use General Plan Land Use Designation and the MXU/H zoning, both of which promote the development of high-density residential structures. The site is identified in the Housing Element as appropriate for the development of housing to help the City meet its regional housing need. The use of pedestrian paths and connections, and Code compliance on-site parking spaces, further promotes the stated need of efficient circulation throughout the Project site. The location of the site is within an area with access to existing public services and there is no evidence the proposed density will create undue burdens on existing public services. The proposed housing units address the housing needs of the region at an appropriate scale and in a suitable area to absorb more residential density.

Site Development Permit

1. That the site design complies with standards of the development code.

   The Project complies with all the development standards outlined for properties within the MXU/H districts, including density, lot area standards, building height, setback, landscape coverage, open space, and amenity standards of the MXU/H and Objective Design Standards ("ODS"). Under State Density Bonus Law ("SDBL"), the project qualifies for modifications of development standards that would have the effect of physically precluding the construction of the proposed density bonus units or the requested developer's requested concession or incentive where there is no feasible method to satisfactorily mitigate the specific adverse impact.

2. That the site is suitable for the proposed development.

   The site is currently improved with seven professional office buildings and a surface parking lot with landscaping. The site is generally flat and considered a corner lot with access to two public roadways, as well as access to nearby services and amenities. Additionally, the site was studied and determined to be an underutilized site that could accommodate a future housing development. The project was analyzed for impacts to the community, including but not limited to potential impacts involving health risks, noise, vibration, traffic and circulation, soils and geology, hydrology, and water quality. The site is surrounded by public roads and shares property lines with a commercial center to the south, church complex with a reservoir to the east, and an office building to the north. Across Mill Creek Drive to the west is an existing residential neighborhood with 2-story condominiums. The future residents can easily be served by the various retail and personal services in the immediate vicinity.

3. That the project is consistent with the general plan and applicable design guidelines.

   The proposed project is within the Mixed Use General Plan land use designation area, which identifies the Project site as a "future study area" where intensification and redevelopment is expected to occur. Both the General Plan and MXU/H promote high-density residential uses. The General Plan 6th Cycle Housing Element (2021-2029) designates the property as an underutilized site for multiple-family, high-density housing in the Housing Element. The Project implements the General Plan vision for the MXU/H by providing for the redevelopment of an 18.5-acre property with existing professional office buildings with surface parking by adding a new 480-unit housing development to the site. The proposed Project conforms to the MXU/H and ODS development standards, with the exception of qualified waivers under SDBL.

   The proposed Project is consistent with and help implement the following goals of the General Plan Land Use and Housing Elements:

   - Goal LU-2. Ensure development is compatible and interdependent with neighboring uses

- Goal LU-3. Encourage infill development that involves the revitalization of property in an economically and environmentally sustainable manner.
- Goal LU-4. Place a high priority on design, architecture, and landscaping that reflect the community's identity and gracious lifestyle.
- Goal H-2. Facilitate the development of a range of housing types, densities, and affordability levels to meet the diverse needs of the community for all economic levels and age groups and special needs groups, such as large families, female-headed households, the disabled, seniors, and the homeless.
- Goal H-3: Ensure that adequate housing opportunities are available to all persons in Laguna Hills without discrimination in accordance with federal and state fair housing laws.
- Policy LU-1.4: Promote walkability throughout the community through enhanced pedestrian amenities, attractive streetscapes, plazas, and civic gathering areas.
- Policy LU-2.2: Improve connections with surrounding uses by enhancing landscaping, providing pedestrian connections, incorporating green areas, and planting street trees.
- Policy LU-3.3: Ensure safe, efficient pedestrian connections are made between adjacent neighborhoods, sidewalks, parking areas, and entrances to stores.
- Policy LU-3.6: Promote the design and placement of buildings to provide opportunities for solar and wind energy and passive cooling.
- Policy LU-3.10: Create safe, inviting, and functional pedestrian and cyclist environments in new public and private development.
- Policy LU-3.11: Provide incentives for development that enhance the environment, offer excellent urban design, and provide public amenities.
- Policy LU-4.1: Create distinctive gateway architecture, landscaping, and signs at major entries to the community and in community activity centers.
- Policy LU-4.2: Create street frontages with architectural and landscape interest to provide visual appeal to the street and enhance the pedestrian experience in new development and redevelopment.
- Policy LU-4.6: Ensure site design respects natural topography and takes advantage of views of scenic resources such as natural open spaces, creeks, and the hillsides.
- Policy H-2.1: Provide opportunities for higher density residential development, mixed use residential/commercial development, and transit-oriented development in appropriate areas of the City.

4. That the site design and structural components are appropriate for the site and function of the proposed uses.

   The site is designed for high-density residential and partially underground structured parking for residents with appropriate vehicular access and circulation

and enhanced pedestrian access and circulation in and around the Project site. The design of the residential buildings is intended to be consistent with the Spanish Style architectural elements in the ODS standards. Proposed Spanish Style building materials include wrought iron railings, recessed entrances, multi-pane windows, dark brown wood elements, clay tile vents, arched entryways, recessed niches, decorative tiles, fabric awnings, gutters, exposed beams, shutters, contrasting earthtone colors, and red clay tile. The massing is managed by varying the facades by utilizing balconies, contrasting colors, roof height/pitch variation, and materials. All mechanical equipment will be ground-mounted behind each attached single family building and not within public view. In addition, the proposed project complies to the ODS's design guidelines for residential development, including roofs that incorporate pitches, ridges, ridgelines and materials that are common to the area; overhangs and insets of fenestration that is consistent with its architectural style; entryways that directly access to the street, either individually or for the entire building; entryways that are architecturally enhanced to complement the structure; and building massing that respects the surrounding structures and step down at the corners.

Precise Plan

1. That the plan and the uses proposed are consistent with the general plan.

   The Mixed Use land use designation was envisioned to facilitate high-density residential development. Consistent with the Land Use Element Goals listed above, the Precise Plan promotes walkability throughout the community, incorporates green areas and the planting of street trees, provides for opportunities for solar energy and passive cooling, provides public amenities, creates distinctive gateway architecture, landscaping, and signs at major entries, creates street frontages with architectural and landscape interest, and ensures site design respects natural topography. Lastly, the site is designated in the General Plan Housing Element as an underutilized site that could accommodate a future housing development.

2. That the proposed plan is consistent with adopted development standards for the area in which proposed.

   The proposed plan is consistent with all lot area standards, building height, setback, landscape coverage, open space, and amenities standards of the MXU/H and ODS, with the exception of the modifications to the development standards permitted under SDBL. In addition, the proposed plan is consistent with all objective design standards within the ODS related to residential development including pedestrian paths and linkages, screening of all utility and mechanical equipment, adequate private and common open space areas, minimizing the visual impact of parking, safe and well-lighted areas, variations in building façade and roof planes, and building stepbacks.

3. That the plan promotes community image and enhances compatibility of uses in the plan area.

The plan is consistent with the design and landscaping standards of the MXU/H district, with the exception of several SDBL waivers, and promotes pedestrian circulation in and around the Project site. The new housing development will enhance the community character and will serve to meet housing demands in the area. Landscaping used in strategic places will help define the character of the property. Taken collectively, the architectural and landscape design features of the Project promote community image and enhance compatibility of uses in the plan area as envisioned in the MXU/H and ODS.

4. That the plan will reduce undesirable environmental consequences while improving economic needs of the area and community.

   The Project is an infill housing development that enhances community character and promotes a more walkable environment within its portion of the MXU/H. The Project implements General Plan and MXU/H policies for the area and will reduce undesirable environmental consequences by removing an existing asphalt parking lot, thereby reducing runoff and associated heat-island effects of asphalt parking lots and replacing it with residential units of various sizes. Additionally, a substantial amount of landscaping will be provided within private and common areas. The proposed residential development provides more housing options for residents in an area that contains a variety of services, such as employment centers, shopping centers, and offices, within walking distance. Lastly, all new development will be required to comply with updated building codes and standards that will improve energy and water use efficiency.

5. That the plan is sufficiently detailed to ensure design values and controls needed to achieve a balance and integration of uses.

   The site plan and associated architectural plans provide sufficient detail of the site design in terms of pedestrian and vehicular access in and around the Project site. Lot 1 is designed as an independent parcel that does not share access with Lots 2, 3, and 4. Lots 2 and 3 share parking and access for the single family attached units on both parcels. Lot 4 will not share access with the other three parcels. However, the driveways, private streets, and gates are all designed to allow efficient circulation throughout the entire Project site. The plans also provide sufficient detail on materials proposed for the new residential buildings, as well as the landscaping, to integrate the uses into the MXU/H district area.

Conditional Use Permit

1. That the proposed use is consistent with the general plan;

   The Project site is located within the General Plan Mixed Use land use designation. The Mixed Use land use designation identifies high-density residential uses as appropriate for this site. Additionally, the site is designated in the General Plan Housing Element as an underutilized site that could accommodate a future housing development. The proposed project furthers the intent of the Land Use and Housing Elements of the General Plan by facilitating a project that includes the development of a high-density, multiple-family, 221-unit housing project, including 24 affordable units for very low-income households on Lot 4.

2. That the nature, condition and development of adjacent uses, buildings and structures have been considered and the proposed conditional use will not adversely effect or be materially detrimental to the adjacent uses, buildings, or structures;

   The site is currently improved with a seven professional office buildings and a surface parking lot with landscaping. The site is generally flat and considered a corner lot with adjacent access to two public roadways, and access to nearby services and amenities. The project was analyzed for impacts to the community, including but not limited to potential impacts to health risks, noise, traffic and circulation, soils and geology, hydrology, and water quality. The site is surrounded by public roads and shares property lines with a commercial center to the south, church complex with a reservoir to the east, and an office building to the north. Across Mill Creek Drive to the west is an existing residential neighborhood with 2-story condominiums. The multi-family development on Lot 4 has been designed to minimize grading, provide access points along public streets and not through adjacent private properties, provide sufficient landscaping buffers around the perimeter of the Project site, and provide Code compliant on-site parking to minimize any potential impacts on adjacent properties.

3. That the proposed site is adequate in size and shape to accommodate the use and integrate it with the existing and planned uses in the vicinity;

   The Mixed Use land use designation is implemented by the specific development standards and policies outlined in the MXU/H and ODS. The site currently includes seven existing office buildings and a surface parking lot which will be demolished. The MXU/H envisions high density residential uses and incorporates design and improvement standards to support those types of projects. Additionally, as a designated site for high-density housing in the Housing Element, the design and improvement of the subdivision of land to accommodate the development of the housing is supported by the General Plan. Lastly, the density, architecture, access points to public streets, on-site pedestrian and vehicular circulation, and parking has been designed to be compatible with existing and planned uses in the vicinity.

4. That all required development standards prescribed by this code can be achieved;

   Section 9-10.050 of the Laguna Hills Municipal Code (“LHMC”) requires a conditional use permit for multi-family developments in the MXU/H zoning district. The proposed plan is consistent with all lot area standards, building height, setback, landscape coverage, open space, and amenities standards of the MXU/H, with the exception of the modifications to the development standards permitted under SDBL. In addition, the proposed plan is consistent with all objective design standards within the ODS related to single family attached and multi-family residential development including pedestrian paths and linkages, screening all utility and mechanical equipment, adequate private and common open space areas, minimal visual impact of parking, safe and well-lighted areas, variations in building façade and roof planes, and building stepbacks.

5. That the conditions and limitations placed upon the use are necessary to ensure compatibility with adjacent or abutting uses and the preservation of the public peace, safety, and welfare.

   The Project is an infill housing project that enhances community character and complements surrounding land uses in the vicinity. The Plan implements General Plan and MXU/H policies for the area and will reduce undesirable environmental consequences by removing an existing asphalt parking lot, thereby reducing runoff and associated heat-island effects of asphalt parking lots and replacing it with residential units of various sizes. The project was analyzed for impacts to the community, including but not limited to potential impacts to parking, air quality, noise, traffic and circulation, soils and geology, grading, and hydrology. The conditions of approval listed below will ensure compatibility, and minimize any potential impacts on adjacent uses.

Parking Use Permit

Pursuant to Laguna Hills Municipal Code Section No. 9-44.110, parking structures, including underground or subterranean structures, shall require a Parking Use Permit and shall be designed to meet the following guidelines in addition to standards contained in this chapter:

A. Minimum Access Width. Any driveway providing access to a parking structure shall have a minimum width of twenty-eight (28) feet. If a toll or fee booth is located in the driveway area, the driveways on either side of the booth shall have a minimum width of fourteen (14) feet. A sidewalk with a minimum width of six feet shall be provided to link the structure to the public walkway.

B. Integral Design. Parking structures should be designed as an integral component of the coordinated site plan and architectural theme.

C. Interior Treatment. The interior treatment of a parking structure shall be of a light color. The treatment shall include a coordinated interior sign program designed to identify parking levels and locate stairwells, elevators, phones, exits, and other interior features.

D. Ramp Transitions. All ramps shall be provided with transition zones at the top and bottom of the ramp. Ramps with a grade of ten percent or less shall have a transition zone at least eight feet in length. Ramps with a grade of greater than ten percent shall have transition zones at least twelve (12) feet in length. The grade of a transition zone shall not exceed one-half the grade of the ramp it serves.

E. Elevators. Parking structures of two stories or more shall incorporate at least one passenger elevator meeting handicap standards. Additional elevators are required for a multi-level structure accommodating two hundred fifty (250) or more parking stalls subject to approval by the Community Development Director.

F. Mirrors for Sight Distance. Blind corners shall be provided with viewing mirrors maintained in a position and condition to provide adequate sight distance.

SECTION 5. Pursuant to California Government Code Section 65863, the Planning Agency finds that, although the proposed project will result in fewer lower income units than were assumed for the Project site in the Housing Element, and that the remaining sites identified in the Housing Element will not be adequate to accommodate the City's share of the regional housing need for lower income households pursuant to Section 65584, the City is precluded by State law from disapproving the proposed Project on this basis and must identify and make available additional adequate sites to accommodate the City's share of the regional housing need for lower income households within 180 days. This finding is based on the following:

1. The Project site includes three properties that were identified in the City's certified Housing Element as having a realistic capacity to accommodate 689 lower income units. The proposed project includes 456 above moderate-income units and 24 lower (very low) income units. As a result, the proposed project provides fewer lower income units than projected for the Project site in the Housing Element.
2. At the time the Housing Element was prepared and adopted, the City's RHNA was calculated to be 1,985 units, consisting of 921 lower-income units, 354 moderate-income units, and 710 above moderate-income units. The sites identified in the certified Housing Element and anticipated ADUs were determined adequate to accommodate a total of 3,061 units, including 619 more units than the City's unmet RHNA in the lower income category, 51 more units than the City's unmet RHNA for the moderate-income category, and 406 more units than the City's unmet RHNA for the above-moderate income category. Overall, the sites identified in the adopted Housing Element and anticipated ADUs reflected a total capacity surplus of 1,076 units.
3. Since the beginning of the 6th RHNA cycle, the City has approved or permitted 20 lower-income housing units, 446 above moderate-income housing units, 11 lower income ADUs, and 16 above-moderate income ADUs. Prior to approval of the proposed Project, the remaining sites identified in the City's Housing Element were adequate to accommodate the City's RHNA in all income categories, including a capacity surplus of 402 lower income housing units.
4. After accounting for permitted and entitled units since the beginning of the 6th RHNA cycle, and the 456 above-moderate income and 24 very low income housing units in the proposed Project, the remaining sites identified in the City's Housing Element will continue to be adequate to accommodate the City's RHNA in the moderate and above-moderate income categories, however, the City will have a deficit of 261 lower income units. Due to this anticipated deficit, the City will no longer have an adequate inventory of sites available to accommodate its remaining RHNA obligation for lower income households during the current Housing Element planning period.
5. Government Code section 65863(c)(2) applies and states: "*If the approval of a development project results in fewer units by income category than identified in the jurisdiction's housing element for that parcel and the jurisdiction does not find that the remaining sites in the housing element are adequate to accommodate the jurisdiction's share of the regional housing need by income level, the jurisdiction shall within 180 days* identify *and make available additional adequate sites to*

accommodate the jurisdiction's share of the regional housing need by income level. Nothing in this section shall authorize a city, county, or city and county to disapprove a housing development project on the basis that approval of the housing project would require compliance with this paragraph."

6. Therefore, the City will need to take additional action to meet the requirements of Government Code Section 65583.2 and to accommodate the City's share of the regional housing need pursuant to Section 65584.
7. To comply with Government Code Section 65863 (No Net Loss Law), the City will identify alternative sites to replace the loss of units described above within 180 days of project approval.

SECTION 6. In addition to the foregoing, the facts and findings set forth in the staff report made a part of the record of the public hearing are hereby incorporated herein by this reference.

SECTION 7. Based upon the above findings, the Planning Agency of the City of Laguna Hills does hereby approve VTTM/SDP/PP/CUP/PUP No. 0209-2025, subject to the following conditions:

GENERAL

1. The following Conditions of Approval ("Conditions") shall be binding and enforceable against, and, whenever used herein, the term "Applicant" shall mean and refer to, each of the following: the project applicant, John Stack, on behalf of Kingsbarn Capital and Development, LLC, the owner(s) of the property, and each of their respective successors and assigns.

2. Unless the context dictates otherwise, whenever the term "this Permit" is used in the following Conditions of Approval, it shall collectively refer to VTTM/SDP/PP/CUP/PUP No. 0209-2025 approved pursuant to this Resolution. Failure to abide by and faithfully comply with all conditions of approval shall constitute grounds for revocation and/or termination of the Vesting Tentative Parcel Map, Site Development Permit, Precise Plan, Conditional Use Permit and Parking Use Permit approved in conjunction with the Project, as applicable.

3. Unless the context dictates otherwise, whenever the term "Project" is used in the following Conditions of Approval, it shall collectively refer to the plans presented at the February 24, 2026, meeting of the Laguna Hills Planning Agency (Plan or Plans), and other studies and exhibits submitted to the City by the Applicant to depict the subdivision of and improvements to be constructed on the Applicant's property, consisting of an approximately 18.5-acre parcel located at 23272, 23282, 23332, 24411, and 23422 Millcreek Drive and 24461 and 24411 Ridge Route (APN 588-161-06, 588-161-07 588-161-08 588-161-09 588-161-10, 588-161-11, 588-161-12, and 588-161-

13) (the “Subject Property) as part of the Project, as modified by these Conditions of Approval.

4. The application is a plan for location and design of uses, structures, features, and materials submitted by this application and shown on the approved plans. Development shall be consistent with the approved Plans, as modified by these Conditions of Approval, and all applicable architectural design guidelines and all other development standards specified in the Laguna Hills Municipal Code (“LHMC”). Any relocation, alteration, modification, or addition to any use, structure, feature, or material, not specifically approved shall require an application for a Changed Plan (CP) to VTTM/SDP/PP/CUP/PUP No. 0209-2025, unless the Community Development Director (“Director”) determines the proposed change is immaterial and consistent with the provisions and the spirit and intent of the original approval. The Director may approve minor modifications to these Conditions of Approval through the Changed Plan process.

5. To the fullest extent permitted by law, the Applicant shall, at its sole cost and expense, protect, defend, indemnify, and hold harmless the City, its elected and appointed officers and officials, employees, agents, departments, agencies, authorized volunteers, consultants, attorneys, boards, commissions, and committees, and instrumentalities thereof ("Indemnitees"), from and against any and all claims, liabilities, losses, fines, demands, penalties, lawsuits, writs of mandamus, and any other claims or actions or proceedings of any kind whatsoever (whether legal, equitable, declaratory, administrative or adjudicatory in nature), and alternative dispute resolution procedures (including, but not limited to, arbitrations, mediations, and other such procedures), judgments, orders and decisions (collectively "Claims" and “Actions”), brought against the Indemnitees, which seek to attack, challenge, modify, set aside, void, or annul any action of or any permit or approval issued by the Indemnitees (including actions approved by the voters of the City) for, in connection with, or concerning the approval of this Permit. It is expressly understood and agreed that the City shall have the right to approve, which approval will not be unreasonably withheld, the legal counsel providing the defense of the Indemnitees for the Claims and Actions, and that the Applicant shall promptly reimburse the City for all costs and expenses directly and necessarily incurred by the City in the course of the defense, including reasonable attorneys' fees. The City shall promptly notify the Applicant of any Claims and Actions brought against the Indemnitees and shall cooperate in the defense of any such Claims and Actions. If the Applicant fails to so defend the Claims and Actions, the City shall have the right but not the obligation to do so and, if it does, the Applicant shall promptly pay the City's full cost thereof.

6. Except as otherwise mandated by State law, approval of this Permit constitutes approval of the proposed Project only to the extent that it complies with the City's Development Code and any other applicable zoning regulations in effect on the date the application was deemed complete pursuant to subdivision (h)(5) of Government Code section 65589.5. Approval does not include any action or findings as to compliance or approval of the Project regarding any other applicable ordinance, regulation, or requirement.

7. Failure to abide by and faithfully comply with any and all Conditions of Approval shall constitute grounds for revocation of this Permit by the Laguna Hills Planning Agency.

8. The Applicant shall agree in writing to these conditions of approval within 30 days of the Planning Agency's approval.

9. The conditions of Project approval set forth herein include certain development impact fees and other exactions. Pursuant to Government Code §66020(d), these conditions constitute written notice of the amount of such fees. The Applicant is hereby notified that the 90-day period in which the Applicant may protest the fees, dedications, reservations, or exactions imposed on this Project through the Conditions of Approval, commencing from the date of approval of the Project, has begun. The Project is subject to the following development impact fees in effect:

    a. Park In-Lieu Fee of $15,636 per unit for each of the 259 units proposed for Lots 1, 2, and 3 pursuant to LHMC Chapter 8-06 and City Council Resolution No. 2018-11-13-3

    b. Citywide Park Fee of $15,636.00 per unit for each of the 221 apartment units within the multi-family building proposed on Lot 4 pursuant to LHMC Chapter 8.07 and City Council Resolution No. 2018-11-13-3.

10. Pursuant to City Council Resolution No. 2017-07-11-2, the Applicant shall reimburse the City for any outstanding fees for processing of this Permit within 60 days of the Planning Agency's approval. The Applicant shall be responsible for payment of all applicable fees pertaining to development of the Project pursuant to the City's Comprehensive Fee Schedule. All outstanding fees and expenses shall be paid in full prior to a final inspection of the Project improvements.

11. Unless a time extension is granted pursuant to Laguna Hills Municipal Code Section 9-92.080(L), this Permit shall expire and be of no further force or effect if the subject development and construction necessary and incidental thereto is not initiated and commenced within two (2) years of the Planning

Agency's approval and thereafter diligently advanced until completion of the Project. In the event construction of the Project is commenced, but not diligently advanced until completion, the rights granted pursuant to this Permit shall expire if the building permits for the Project expire. Initiated and commenced is defined as issuance of a precise grading permit within two years of the date of approval of the Subject Project and commencement of grading prior to expiration of the grading permit, and subsequently, issuance of a building permit for the foundation of the building shell prior to the expiration of the grading permit and commencement of construction prior to expiration of the building permit.

12. Within 48 hours from project approval, the Applicant shall submit to the City a check in the amount of $50.00, made payable to the Orange County Clerk-Recorder, for filing the Notice of Exemption.

13. A final Tract Map shall be recorded within two (2) years of February 24, 2026 that is in substantial conformance with the Vesting Tentative Tract Map, unless the Applicant has filed a request for extension consistent with the provisions of City requirements and the California Subdivision Map Act.

14. The Applicant shall prepare a final Tract Map in conformance with the State's Subdivision Map Act, the County's map processing manual, the City's municipal code, and as determined and approved by the City Engineer, which may require the posting of security instruments guaranteeing the construction of future improvements. The Applicant shall submit the final Tract Map for plan check to both the City Engineer and County Surveyor and pay all applicable plan check fees to both agencies. The Applicant shall submit a current title report, supporting documents, and traverse closure calculations for plan check. Following recordation of the final Tract Map, the Applicant shall provide the City with a duplicate Mylar of the recorded document.

15. After the final Tract Map has been recorded by the County Clerk's Office, the Applicant shall provide the City with a duplicate mylar and scanned TIFF files of all maps.

16. Prior to the commencement of map checking, a deposit shall be posted for map check fees. Map check fees will be based on time and materials to be invoiced at the completion of the map check process. All map check fees shall be paid in full before the map will be sent to City Council for approval.

17. Prior to the issuance of Certificate of Use and Occupancy, all survey monumentation shall be placed by a California Licensed Land Surveyor as required by and shown on the map.

18. Prior to recordation of the Final Tract Map for the Project site: (i) the proposed parcel divisions of the Final Tract Map shall be in substantial compliance with the approved tentative map; and (ii) the existing parcel conditions of the Final Tract Map shall reflect a lot line adjustment consolidating and adjusting existing parcel lines on the 23330 Mill Creek Drive office building site, as reviewed and approved by the Community Development Director and City Engineer, and as recorded at the Orange County Recorder's office.

PLANNING DIVISION

19. The Applicant shall maintain the Subject Property in compliance with property maintenance standards as set forth in LHMC Chapter 9-74. This includes prohibitions on outdoor storage and maintenance of the premises that cause obnoxious odors.

20. No permanent overhead utilities shall be installed.

21. Prior to issuance of any grading permits, the Applicant shall submit the Project's grading plan to the Community Development Director for review and approval. The grading plan shall be consistent with the architectural site plan as approved by this Permit to the reasonable satisfaction of the Community Development Director.

22. Prior to the issuance of a building permit, the Applicant shall submit a final landscape and irrigation plan to the Community Development Director for review and approval. The plan shall demonstrate compliance with the provisions of Laguna Hills Municipal Code Chapters 9-46 and 9-47, including sufficient wall screening, landscaping, planter size and shade trees along the site perimeter and within the Project parking lot, installation of "Smart" landscape irrigation controllers, low precipitation-rate sprinkler heads, and water efficient landscaping, as applicable.

23. Prior to the issuance of a building permit, the Applicant shall submit a lighting and photometric plan to the Community Development Director for review and approval. The Community Development Director may require additional lighting if lighting levels at approved pedestrian walkways and internal intersections under construction are insufficient to comply with the requirements of LHMC Chapter 9-40, when completed. The plan shall include a photometric analysis of proposed lighting and shall comply with lighting requirements of the Laguna Hills Municipal Code, including that light and glare shall not be projected beyond the boundaries of the Subject Property. The City may withhold issuance of a Certificate of Use and Occupancy for any building or portion thereof if the lighting associated with such building has not been installed.

24. Outdoor security and other lighting shall be designed and maintained so as not to illuminate beyond the Subject Property. All exterior lights shall be focused inward and away from surrounding uses and adjacent residential properties. Prior to the issuance of a building permit, the Applicant shall provide an updated photometric plan showing compliance with the Laguna Hills Municipal Code. Pursuant LHMC Section 9-40-170, exterior lighting shall be shielded or recessed so that direct glare and reflections are contained within the boundaries of the parcel, and shall be directed downward and away from adjoining properties and public rights-of-way. No lighting shall blink, flash, or be of unusually high intensity or brightness. All lighting fixtures shall be appropriate in scale, intensity, and height to the use served.

25. Prior to issuance of a Certificate of Use and Occupancy, the Applicant shall submit a Master Sign Program for review and approval pursuant to Laguna Hills Municipal Code Chapters 9-42 and 9-92 and the Mixed Use District. Signage within the parking structure shall be included as part of the Master Sign Program for the property.

26. The Applicant shall comply with all temporary and permanent sign requirements of the City's Sign Ordinance, as specified in Laguna Hills Municipal Code Chapter 9-42, and the Mixed Use District. The Applicant shall not use or display any prohibited signs listed in LHMC Section 9-42.260.

27. Prior to the issuance of a building permit, the Applicant shall submit a striping and signage plan that includes information demonstrating compliance with the requirements of Subsection K of Laguna Hills Municipal Code Section 9-44.060 (Design standards for parking facilities). Subsection K establishes criteria that apply to the siting of all parking facilities, whether above or below grade in structures or at surface level. The plan shall be reviewed and approved as part of the building permit review process.

28. Prior to issuance of a building permit, the Applicant shall provide evidence to the reasonable satisfaction of the Community Development Director that there are no easements (including, but not limited to, easements for reciprocal access and/or parking or utilities) that conflict with the proposed Project.

29. One or more sets of Covenants, Conditions and Restrictions (CC&Rs) collectively covering the entire Subject Property shall be submitted to the Community Development Director and City Attorney for review and approval prior to the recordation of the final map, the cost of which shall be borne by

the Applicant. Prior to the acceptance of the CC&Rs for review, the applicant shall submit a deposit in the amount as determined by the Community Development Director to cover the cost of said review. The Community Development Director may require replenishment of the deposit fund should the cost of reviewing the CC&Rs exceed the amount deposited. The CC&Rs shall be consistent with the Project approval, shall be enforceable by the City at its sole discretion, shall run with the land, shall bind all current and future owners and tenants of all or portions of the site, shall provide that a violation of the terms of the CC&Rs constitutes a violation of these conditions of approval, and shall not be modified or terminated without prior written approval from the City. The CC&Rs shall, at a minimum, include the following provisions:

a. Detailed provisions pertaining to responsibilities for operating, funding, and maintaining of all commonly owned areas, landscaping, utilities, parking areas, streets, lighting, and all other structures.
b. Attach, incorporate, and require compliance with the Conditions of Approval by the individual property owners.
c. Detailed provisions pertaining to responsibilities for operating, funding, and maintaining the water quality BMPs required per the WQMP and implementation of the approved O&M Plan.
d. Permit and provided enforceable provisions regarding the sharing of parking between the residential uses on Lots 2 and 3.
e. Include enforceable parking requirements consistent with any applicable City Code provisions (like parking of recreational vehicles, etc.).
f. Limit placement of trash bins in front of the single-family attached residences to pick-up days only.
g. Prohibit short term rentals, time shares, and fractional ownership of units.
h. Allow the City, at the City's sole discretion, to enforce provisions of the CC&Rs, conditions of approval, and all City codes against individual property owners and the HOA(s).
i. Require City approval for any amendments or termination of the CC&Rs.
j. The CC&Rs shall specify, without limitation, that the park Lot D will be held open and accessible for the residents of each of Lots 1, 2, 3, and 4, and that the pool/clubhouse and Lot C will be open to and accessible to the residents of each of Lots 2 and 3, as proposed by the Applicant.

AFFORDABLE HOUSING OBLIGATIONS

30. At Applicant's request, Applicant has been granted reduced parking ratios, an incentive/concession and multiple waivers or modifications of applicable development standards pursuant to the State Density Bonus Law (Government Code section 65915). To comply with the provisions of Government Code section 65915, Applicant has offered to, and shall limit, at

least twenty four (24), or five percent (5%), of the apartment units in the multi-family building constructed on Lot 4 of the Project site for rental and occupancy by very low-income households, as defined in Section 50105 of the Health and Safety Code, at an affordable rent, as defined in Section 50053 of the Health and Safety Code, (the "affordable units") for a minimum period of 55 years from issuance of a Certificate of Use and Occupancy.

31. To ensure that the affordable units Applicant is required to develop pursuant to the State Density Bonus Law are constructed, Applicant has expressly offered and agrees to the following:

    a. Concurrent with recordation of the final map, Applicant shall record a covenant or other deed restriction on Lot 4 in a form approved by the City Manager and City Attorney, intended to expressly benefit the City, which requires that any development on Lot 4 include the development of a minimum of 24 units affordable to very low income households. This deed restriction shall provide that it may not be amended, terminated, or removed without the express written consent of the City.

    b. Prior to issuance of a Certificate of Use and Occupancy for the 259th (or last) residential unit proposed for Lots 1, 2, and 3, inclusive, the Applicant shall obtain a building permit and commence construction on Lot 4. For purposes of this Condition, "commence construction" shall mean passed first inspection for work pursuant to a duly issued building permit.

    c. As security for Applicant's compliance with its obligation to develop the affordable units, prior to approval of the final map for any part of the Project, Applicant agrees to provide the City with a deposit, letter of credit, or other form of security in a form, and from a financial institution, acceptable to the City Manager, which provides for the City to receive a payment of Five Hundred Thousand Dollars ($500,000) to offset anticipated costs and damages City will incur in the event Applicant fails to commence construction of the multifamily building on Lot 4 within the time set forth in (b), above, or thereafter allows the building permit(s) issued by the City to expire and ceases construction prior to the issuance of a Certificate of Use and Occupancy for the building. City shall release said security upon issuance of a final Certificate of Use and Occupancy for the multifamily building on Lot 4, and Applicant shall be entitled to return of all funds deposited in furtherance of said security and any interest that has accrued thereon. Applicant further agrees to periodically renew said instrument as needed to ensure its obligation to commence and complete construction of the affordable units as provided herein remains secured until completion of the multifamily building.

32. In order to enable the City to adequately enforce the continued affordability of all affordable rental units, prior to recordation of the final map, the property owner(s) shall enter into and record an affordable housing regulatory agreement ("regulatory agreement") with the City, in a form acceptable to the City Manager. The City Manager shall be authorized to enter into and implement the regulatory agreement on behalf of the City. The regulatory agreement shall be prepared by the City at the Applicant's expense, and the Applicant shall reimburse the City for the actual fees and costs incurred by the City in conjunction with negotiation and preparation of the regulatory agreement and review of the initial marketing and management plan required as part of the regulatory agreement. [Unless otherwise provided by State law or determined by the City Manager, the regulatory agreement shall include provisions addressing or providing for the following:

    a. The regulatory agreement shall require that the affordable units remain affordable to, and be occupied by, very low income households at an affordable rent for a minimum of 55 years from issuance of a certificate of occupancy. t

    b. To the extent practicable, the size and bedroom count of the affordable units shall at all times be proportional to the size and bedroom count mix of all units in the multi-family building, provided, however, that the property owner may substitute a larger unit for a smaller unit.

    c. Location requirements for the affordable units shall be set forth in the regulatory agreement. The affordable units shall be integrated with the market rate units so that there is a mix of affordable and market rate units throughout the multi-family building, and the project shall comply with the requirements set forth in Health and Safety Code Section 17929. The affordable units shall be "floating" units that are not permanently designated and shall, at all times, be distributed throughout the multi-family building and not congregated within a certain area of the building, unless the Applicant provides substantial evidence to the City that complying with this requirement would make provision of the affordable units infeasible.

    d. The affordable units in the multi-family building shall be constructed concurrently with the market rate units in the multi-family building.

    e. The affordable units shall be constructed and maintained with the same exterior appearance and interior features, fixtures, and amenities and shall use the same type and quality of materials as provided for market rate units in the multi-family building. Finishes and features shall be durable, of good quality, and consistent with contemporary standards for new housing.

f. Occupants of the affordable units shall have the same access to the common entrances of the building as the occupants of market rate units and shall be provided or have access to the same amenities as the occupants of market rate units.

g. The owner of lot 4 shall verify and certify, prior to the initial occupancy, and annually thereafter, that each tenant household occupying each affordable unit meets the applicable income and eligibility requirements established for the affordable unit, and to annually prepare a compliance report and certify that the affordable units are in compliance with the regulatory agreement.

h. The owner of Lot 4 shall be required to maintain or cause to be maintained the interior and exterior of the project and the site in a decent, safe and sanitary manner, and in accordance with the standard of maintenance of first class multifamily rental apartment complexes within Orange County.

i. The owner of Lot 4 shall be required to maintain tenant leases, income certifications, and other books, documents, and records related to the rental of the affordable units and operation of the project for a period of not less than five (5) years after creation of each such record; to allow the City to inspect any such books, documents, or records and to conduct an independent audit or inspection of such records at a location that is reasonably acceptable to the City Manager upon prior written notice; and to permit the City and its authorized agents and representatives to access the property and examine the housing units and to interview owners, occupants, tenants and employees for the purpose of verifying compliance with the regulatory agreement.

j. The regulatory agreement shall contain uniform provisions regarding property management and management responsibilities and shall require the owner of Lot 4 to prepare and obtain the City's approval of a marketing and management plan for the project prior to the issuance of a Certificate of Use and Occupancy for any portion of the Project. The marketing and management plan shall address in detail, without limitation, the following matters: (i) how the owner plans to market the affordable units to prospective tenant households; (ii) procedures for the selection of tenants of affordable units, including a description of how the owner plans to certify the eligibility of tenant households; (iii) procedures for annually verifying income and recertifying the eligibility of tenants of affordable units; (iv) the standard form(s) of rental agreement(s) the owner proposes to enter into with tenants of affordable units; (v) procedures for the collection of rent; (vi) procedures for eviction of tenants; (vii) procedures for ensuring that the required number and unit

size mix of affordable units is maintained and that affordable units do not become congregated to a certain area of the building or project; (viii) procedures for complying with the owner's monitoring and record keeping obligations; (ix) the owner's property management duties; (x) the owner's plan to manage and maintain the project and the affordable units; (xi) the rules and regulations of the property and manner of enforcement; and (xii) and a program addressing security and crime prevention at the project.

k. The regulatory agreement shall contain a provision requiring the owner of Lot 4 to pay the City an annual administration fee to reimburse the City for the estimated reasonable costs incurred by the City in monitoring the owner's compliance with, and otherwise administering, the regulatory agreement, including, but not limited to, the City's review of annual compliance reports and conduct of inspections and/or audits.

l. The regulatory agreement shall require the owner of Lot 4, at its expense, to defend (with counsel acceptable to City and subject to approval by owner), indemnify, and hold harmless City, and its officers, agents, employees and representatives from any and all losses, liabilities, claims, lawsuits, causes of action, judgments, settlements, court costs, attorneys' fees, expert witness fees, and other legal expenses, costs of evidence of title, costs of evidence of value, and other damages of whatsoever nature arising out of or in connection with owner's failure to perform its obligations under the agreement, the owner's ownership or operation of the site, or the development of the project, except for such liability arising from the gross negligence or willful misconduct of City.

m. The regulatory agreement shall remain a non-subordinate covenant and as an encumbrance running with the land for the full term thereof. In no event shall the regulatory agreement be made junior or subordinate to any deed of trust or other documents providing financing for the construction or operation of the project, or any other lien or encumbrance whatsoever for the entire term of the required covenants.

BUILDING DIVISION

33. The Applicant shall be responsible for ensuring all applicable building permits are obtained for any activity requiring a permit. Construction shall comply with the 2025 California Building, Plumbing, Mechanical, Electrical, and Green Building Codes, as may be amended, or the applicable California Building Code in effect at the time of building permit issuance. Any required documents submitted for the purpose of building permit issuance shall be accurately labeled and reflect all work to the reasonable satisfaction of the Community Development Director.

34. At the time of document submittal for permit issuance, the Applicant shall demonstrate compliance with California Disabled Accessibility requirements, as required by Chapter 11 of the California Building Code if applicable.

35. The Applicant shall comply with all general construction water quality requirements, as required by the LHMC 5-36.

36. Prior to issuance of each building permit, the Applicant shall submit to the Community Development Director all required approvals from the Orange County Fire Authority.

37. Prior to issuance of each building permit for the demolition of any existing building, the Applicant shall submit to the Community Development Director evidence of all required approvals from South Coast Air Quality Management District or provide verification of plan submittal, as applicable.

38. The Applicant shall demonstrate compliance with all applicable building energy efficiency standards established by the California Energy Commission that are in effect at the time of the issuance of any permit.

39. During construction, adequate emergency access shall be maintained to the site at all times in accordance with any requirements of the Orange County Fire Authority (OCFA).

40. Prior to the commencement of any work, the Applicant shall provide a contact number to the Community Development Director for the public to call concerning dust, noise, or other construction-related impacts. The information shall also be posted on site in a manner approved by the Community Development Director.

ORANGE COUNTY FIRE AUTHORITY (OCFA)

41. The applicant must formally submit the following plans to OCFA and gain OCFA approval before City grading and building permits issuance;

Prior to issuance of a building permit:

- fire master plan (service code PR145)
- architectural plans *(*service codes PR*200-272), the building must comply with CBC sections 506 and 510 requirements for construction type and number of stories.*
- photovoltaic plans (service request PR363) if *appliable*
- fire sprinkler system (service codes PR410-425)
- underground piping (service codes PR470-475)
- fire sprinkler system (service codes PR400-425)
- Chemical Classification (service codes PR315-322) if applicable

Prior to concealing interior construction:
- fire alarm system (service code PR500-PR530)

For the R3 Residential Buildings:
Prior to OCFA clearance of a final map or issuance of a precise grading permit or a building permit, if a grading permit is not required:
- fire master plan (service code PR145)

Lumber-drop Inspection: After installation of required fire access roadways and hydrants, the applicant shall receive clearance from the OCFA prior to bringing combustible building materials on-site. Call OCFA Inspection Scheduling at 714-573-6150 with the Service Request number of the approved fire master plan at least five days in advance to schedule the lumber drop inspection

Temporary/Final Occupancy Inspections: Prior to issuance of temporary or final certificate of occupancy, all OCFA inspections shall be completed to the satisfaction of the OCFA inspector and be in substantial compliance with codes and standards applicable to the project and commensurate with the type of occupancy (temporary or final) requested. Inspections shall be scheduled at least five days in advance by calling OCFA Inspection Scheduling at 714-573-6150.

PARKING STRUCTURES

42. The parking structure shall be designed to include pavement treatments/materials or finishing techniques that reduce noise generated by automobile tire squeal. All pavement treatments and materials shall be subject to the reasonable approval of the Community Development Director prior to building permit issuance for any parking structure.

43. Prior to building permit issuance for the parking structure, the Applicant shall confer with the Orange County Sheriff's Department (OCSD) to identify features consistent with best practices identified in "Crime Prevention Through Environmental Design in Parking Facilities" or other standards acceptable to OCSD that could be incorporated into the parking structure for which a building permit is requested.

MECHANICAL EQUIPMENT

44. Mechanical equipment, storage, trash areas, and utilities installed at ground level shall be architecturally screened by solid or semi-solid material from public view to the reasonable satisfaction of the Community Development Director. The method of screening shall be architecturally compatible in terms of materials, color, shape, and size. The screening design shall blend

with the building design and include landscaping when on the ground. For rooftop mechanical equipment, building parapet walls shall be at least as high as the equipment and vents installed on each building. For any roof-top equipment, in lieu of fully screening the equipment, the Applicant may provide a “line of sight” study to the Director that indicates no screening is required given the location of mechanical equipment on the roof of a building relative to one or more viewpoints within the Project (as reasonably determined by the Community Development Director) at finished grade. Roof mounted solar panels are excluded from this requirement so long as the overall height of the equipment is as close to the height of building parapet walls as possible, or where integrated into an accessory building such as a roof top carport.

PUBLIC WORKS DEPARTMENT

45. Prior to the issuance of any grading permit or building permit, security instruments shall be posted guaranteeing construction of on-site and off-site improvements in accordance with LHMC Section 10-16.300, and these Conditions of Approval. Security instruments shall include a grading bond and a landscape bond, unless the latter is waived by the Community Development Director.

46. The Applicant shall comply with the recommendations in the Geotechnical Evaluation Report prepared for the Project (Exhibit B).

47. Prior to the issuance of a Certificate of Use and Occupancy, the applicant shall pay for all required geotechnical testing services for improvements in the public right-of-way, which shall be invoiced by the City based on time and materials. These fees will be in addition to all applicable encroachment, grading, subdivision, etc. inspection fees. These fees must be paid in full prior to release of any grading bonds.

48. Prior to the issuance of a building permit, the Applicant shall submit a grading and erosion control plan for any on-site drive aisle, parking space, sidewalk and/or other hardscape improvements. As applicable, the grading plan shall show the construction of all curb and gutter, asphalt and concrete pavement, sidewalk, storm drain, sewer and water systems (for reference only) and other improvements, and must include a horizontal control plan.

49. Prior to release of any grading bonds, the Project improvements must be completed to the reasonable satisfaction of the City Engineer. This includes completion of all punch list items, approved mylar as-builts, underground inspections (for storm drain systems, if any), required paperwork (such as

soils reports, certifications, etc.). All associated permits will be considered active, until all items (including paperwork) have been completed to the reasonable satisfaction of the City Engineer. All permits must be current (not expired) at time of bond release. The Applicant is advised that there may be permit renewal fees if said permits have expired prior to completion of all above listed items.

50. AII grading and storm drain plans shall be prepared on City standard ARCH D size sheets by a licensed civil engineer and shall be submitted to the City Engineer for approval. All landscaping plans shall be prepared on City standard ARCH D size sheets by a licensed landscape architect and shall be submitted to the City Engineer for approval. All plans must be in substantial conformance with the approved site/concept plans. Plan check and inspection fees shall be paid by the Applicant in accordance with the City's fee schedule.

51. Prior to the release of any grading bonds, all grading, storm drain, and landscaping plans associated with the Project shall be as-built upon completion of the Project. Once the as-built drawings are approved, the Applicant shall provide the City with a duplicate mylar of the plans and scanned PDF or TIFF files of all plans.

52. Prior to the issuance of a precise grading permit, all on-site improvement construction (parking lots, sidewalks, ramps, grading) shall be bonded for with the precise grading plan and permit.

53. Prior to the issuance of any grading permit, erosion control, demolition, and earth moving work shall be bonded for with the rough or precise grading plan and permit, whichever occurs first.

54. Prior to work in the public right-of-way, an encroachment permit shall first be obtained from the City Engineer. The City Engineer at his sole discretion may require the posting of an encroachment permit bond to guarantee the completion of work in the public right-of-way.

55. A portion of the Project site is located in a special flood hazard area (SFHA) Zone A floodplain as designated by the Federal Emergency Management Agency (FEMA) on the Flood Insurance Rate Map (FIRM) Panel No. 06059C0426J, effective December 3, 2009. Zone A is identified as an area subject to flooding as a result of the 1-percent annual chance (100-year) or greater storm event. A technical analysis prepared by the Applicant and peer-reviewed by the City shows that the Project site is not actually located in a SFHA. The Applicant shall prepare and process a Letter of Map

Amendment (LOMA) or Letter of Map Revision (LOMR) with FEMA to modify the floodplain limits on the project site. In the event that FEMA does not issue a LOMA or LOMR, the Project will be required to comply the City's floodplain management regulations (LHMC Chapter 9-66), Appendix G of the California Building Code, and/or meet the requirements necessary to meet minimum flood plain management criteria of the National Flood Insurance Program pursuant to Part 59 (commencing with Section 59.1) and Part 60 (commencing with Section 60.1) of Subchapter B of Chapter 1 of Title 44 of the Code of Federal Regulations, as applicable.

PUBLIC WORKS DESIGN CONDITIONS

56. Grading of the Subject Property shall be in accordance with the City of Laguna Hills Grading Code and Manual and to the reasonable satisfaction of the City Engineer. Any grading required outside of the Project boundaries will require either slope easements or right-of-entry letters from the adjacent property owners.

57. Prior to the issuance of a grading permit, the following on site (private property) improvements shall be designed in a manner meeting the approval of the City Engineer in conformance with Laguna Hills Municipal Code Section 10-16.020:

    a. All provisions for surface drainage.
    b. All necessary storm drain facilities extending to a satisfactory point of disposal for the proper control and disposal of storm runoff.
    c. AII structural pavement sections for on-site and off-site streets, including all newly constructed or reconstructed parking lots, shall be submitted to and approved by the City Engineer. The soils engineer shall submit pavement section recommendations based on "R" Value analysis of the subgrade soils and approved City traffic indices. In no event shall the minimum pavement sections be less than the City's engineering standard plan minimum pavement sections.

58. Prior to the issuance of any grading permit, the Applicant shall provide a Certified Access Specialist (CASp) report reviewing existing pathways, sidewalks and access ramps for both on-site access and adjacent to the site access along the accessible pathways for compliance with the Americans with Disabilities Act (ADA) for approval by the City Engineer and the Building Official. Accessible pathways shall not include a path within any drive aisle, except as necessary to cross a drive aisle at 90° to the drive aisle. The CASp report shall include an implementation plan to correct all deficiencies noted and as reasonably approved by the City Engineer and the Building Official.

59. Prior to the issuance of a Certificate of Use and Occupancy, any sidewalk or pathway not in compliance with ADA standards and the CASp report, as approved by the City Engineer and the Building Official, shall be reconstructed to the City's standards.

60. Prior to the issuance of a precise grading permit, a horizontal control plan showing dimensioning of drive aisle, driveway, parking stall, and hardscape improvements shall be prepared for review and approval by the City Engineer. If not otherwise shown on the Vesting Tentative Tract Map, minimum dimensions for drive aisles, driveways, and parking stalls shall adhere to City engineering standard plans and the Municipal Code. The City of Laguna Hills has adopted County of Orange Public Works Standard Plans as its engineering standard plans.

61. Prior to the issuance of a Certificate of Use and Occupancy, the Applicant shall demonstrate to the reasonable satisfaction of the City Engineer that a corner cut-off area is created at the intersection of each driveway serving the Project and a public street that satisfies the requirements of LHMC Section 9-40.160 or otherwise provides traffic vision clearance meeting the corner vision clearance requirements set forth in the California Department of Transportation Highway Design Manual or other applicable published public safety standard.

62. Prior to the issuance of a building permit, the Applicant shall provide plans demonstrating compliance with Laguna Hills Municipal Code Section 9-40.200 (Undergrounding of utilities) which states, in pertinent part: “Utilities shall be placed underground. If an above-ground electrical transformer is located outdoors on any site, it shall be screened from view with a solid wall and landscaping and not located in any setback area.”

PUBLIC WORKS CONSTRUCTION CONDITIONS

63. Perimeter fencing shall be installed that has green screen material or approved equal. The fence/screen material shall be properly maintained and be free of rips, tears, fraying, graffiti, and any other damage or vandalism.

64. The Applicant shall comply with all requirements of the Orange County Stormwater Program "Construction Runoff Guidance Manual" during the construction of the Project. The requirements contained in this manual shall be incorporated into the grading plans.

65. All concrete (including sidewalk) that comes in contact with native soils shall contain Type V cement.

66. Prior to the issuance of a Certificate of Use and Occupancy, all uplifted, subsided or severely worn curb, gutter and sidewalk that fronts the Project in the public rights-of-way along Mill Creek Drive and Ridge Route Drive shall be removed and replaced. This includes uplifted, subsided or severely worn curb and gutter and sidewalk that was in this condition prior to the start of construction. Limits of removal and replacement will not be marked out until immediately prior to occupancy so that all damage that occurred during construction can be included in the limits of replacement.

67. Prior to the issuance of a Certificate of Use and Occupancy, all City Street pavement restorations shall be completed to the reasonable satisfaction of the City Engineer.

68. If any asphalt pavement cuts are made into existing City roadways, the subject roadway shall be ground down and overlaid from the gutter line to the centerline or median of the roadway for any cuts made in that portion of the roadway, and to the reasonable satisfaction of the City Engineer.

69. During the course of the Project construction, no public streets shall be utilized for temporary storage of any construction materials and no vehicles shall be off-loaded of deliveries or filled with materials on any public street.

70. Prior to the issuance of any grading permits, a haul route plan for all exports/imports from/to the site shall be submitted for review and approval by, and to the reasonable satisfaction of, the City Engineer. The haul route shall not utilize any arterial highway prior to 9:00 am or after 4:00 pm daily. In addition, a construction vehicle routing plan shall be submitted for review and approval by, and to the reasonable satisfaction of, the City Engineer prior to any demolition or construction work.

71. During the course of Project construction, no construction equipment traffic shall access or depart the site during morning or evening traffic peak periods, which are 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m., Monday through Friday.

72. The Applicant shall comply with all applicable laws and regulations, including, without limitation:

    a. All applicable federal and state laws regarding the protection of biological resources, including but not limited to the Migratory Bird Treaty Act (16 U.S.C. §§ 703–712), the California Endangered Species Act (Fish & Game Code §§ 2050 et seq.), and Fish and Game Code Sections 3503, 3503.5, 3513, and 4150. In furtherance of these requirements, and

consistent with the recommendations of the Biological Constraints Analysis prepared by Psomas dated October 15, 2024, the following shall apply:

(i) Vegetation removal and ground disturbance shall occur between September 16 and January 14 to avoid potential impacts to active nests of migratory birds and raptors. If clearing must occur between January 15 and September 15, a qualified biologist shall conduct a pre-construction nesting bird survey. If active nests are detected, the active nesting area shall be avoided until the biologist confirms that nesting is complete and all young have fledged.

(ii) Due to past records of tricolored blackbird occurring on adjacent property, if vegetation removal or ground disturbance occurs during the nesting season (January 15 through September 15), the pre-construction survey required by subpart (i) shall include a survey for tricolored blackbird within 300 feet of project activity areas. If active nesting is confirmed within 300 feet, no project activity shall occur within 300 feet of the active nesting colony until a qualified biologist confirms that nesting is complete.

(iii) Prior to demolition or removal of structures or mature trees with cavities or crevices suitable for bat roosting, a qualified biologist shall conduct a survey to identify potentially occupied roost sites. If active roosts are detected, the biologist shall install exclusionary devices during a period when bats are absent and confirm vacancy before demolition or removal proceeds.

b. All applicable rules and regulations of the South Coast Air Quality Management District (SCAQMD), including but not limited to Rule 403 (Fugitive Dust) and Rule 1113 (Architectural Coatings), and all applicable regulations of the California Air Resources Board (CARB), including but not limited to the In-Use Off-Road Diesel-Fueled Fleets Regulation (13 CCR §§ 2449 et seq.) and the Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling (13 CCR § 2485).

c. Health and Safety Code Section 7050.5 and Public Resources Code Sections 5097.98 and 5097.99 regarding the discovery and treatment of human remains, and with Penal Code Section 622.5 regarding the protection of objects and sites of archaeological or historical interest.

d. All applicable provisions of Laguna Hills Municipal Code Chapter 5-24 (Noise Control) and Chapter 6-16 (Noise Disturbances).

e. All applicable California Division of Occupational Safety and Health (Cal/OSHA) regulations, including CCR Title 8, Division 1, Chapter 4, Subchapter 4 (Construction Safety Orders).

f. All applicable requirements of SB 1383 (Chapter 395, Statutes of 2016) and its implementing regulations (14 CCR, Division 7, Chapter 12), and with CALGreen Code Section 5.408 regarding diversion of construction and demolition debris.

PUBLIC WORKS DRAINAGE AND HYDROLOGY CONDITIONS

73. In accordance with Laguna Hills Municipal Code Section 10-16.340, which requires conformance with the Grading Manual, prior to the issuance of a grading permit, a hydrology and hydraulic study (including off-site areas affecting the development) shall be prepared by a qualified civil engineer and approved by the City Engineer. The report shall include detailed drainage studies indicating how the grading, in conjunction with the drainage conveyance systems including applicable swales, channels, street flows, catch basins, storm drains, and flood water retarding, will allow building pads to be safe from inundation from rainfall runoff which may be expected from all storms up to and including the theoretical 100-year flood.

74. Prior to the issuance of grading permits or the approval of improvement plans, a recorded drainage acceptance letter for any concentration or increase of drainage runoff to adjacent properties shall be required.

75. All storm drain systems shall be designed and constructed in accordance with the County of Orange Local Drainage Manual, Orange County Public Works Standard Plans, and applicable City standard engineering plans.

76. Prior to the issuance of a Certificate of Use and Occupancy, any storm drains modified by the Project, if any, shall be inspected by the County of Orange Underground Inspection Team (the City will arrange for the inspection). There will be additional fees for this inspection.

PUBLIC WORKS SOLID WASTE AND RECYCLING CONDITIONS

77. The Applicant shall comply with all requirements set forth in Laguna Hills Municipal Code Chapter 5-32.210 and 5-48 (Construction and Demolition Waste Recycling Program) and related CalRecycle regulations. Prior to issuance of building permits, the Applicant shall submit and obtain approval of a waste reduction and recycling plan as prescribed by the C&D Compliance Official and submit all applicable fees and security deposits.

78. Prior to the issuance of a building permit, the Applicant shall provide for review and approval by the City Engineer a trash and recycling plan detailing the expected trash and recycled material volume produced by the proposed apartment building at the Project. Accordingly, all existing and proposed trash bin enclosures shall be sized to accommodate the required number of trash and recycling bins as required by the plan. At a minimum, any trash bin enclosure shall be built according to the City's standard engineering plan, which requires a floor drain connected to the sanitary sewer system and a

solid roof to prevent rain water intrusion, and shall accommodate one three-yard trash bin and one three-yard recycling bin (approximate dimensions 40" wide x 82" long) and one organics recycling cart (approximate dimensions 30” wide x 36” long) and enough room for personnel to access the trash bins. No trash bin shall be located outside an enclosure approved by the Community Development Director. If, at any time in the future it is determined by the Public Works Director that the trash enclosure is inadequate, the property owner at its expense shall expand the trash enclosure to accommodate extra bins as evidenced by operations or shall order more frequent trash and recycling bin pick-ups. All trash, storage of cartons, containers, and other discarded items shall be screened from public view at all times. LHMC Section 5-32.040 requires that the storage and collection of mixed solid waste and divertable materials be within enclosures.

79. Prior to the issuance of a Certificate of Use and Occupancy, in accordance with Section 5-32.100 of the Laguna Hills Municipal Code, the applicant shall subscribe to the City’s franchise waste hauler’s organics recycling service as required by State Senate Bill 1383. Further information can be found here: https://www.ci.laguna-hills.ca.us/211/Recycling-For-Businesses

80. Prior to the issuance a grading permit, the Applicant shall provide a will serve letter from the City’s franchise solid waste hauler demonstrating that the site and proposed plan of development will allow the franchise solid waste hauler to service the Project.

PUBLIC WORKS STORM WATER / WATER QUALITY CONDITIONS

81. AII projects, in conjunction with a grading permit, require the preparation of an erosion control plan in conformance with the City of Laguna Hills Grading and Excavation Code. All erosion control plans shall incorporate Best Management Practices to the maximum extent possible. In addition, erosion control shall be implemented during construction year-round.

82. Prior to the issuance of any grading permit, evidence that proper clearances have been obtained from the San Diego Regional Water Quality Control Board such as the filing of a Notice of Intent to Discharge, shall be provided to the City Engineer. If a permit is required, the Applicant will be required to prepare a Storm Water Pollution Prevention Plan.

83. Prior to the issuance of a Certificate of Use and Occupancy, "No Dumping - Drains to Ocean" shall be stenciled directly above any inlets or an approved stencil shall be used to paint this message on inlets.

84. Prior to issuance of any precise grading permit, a Water Quality Management Plan (WQMP) shall be approved by the City Engineer. The WQMP shall be prepared in conformance with the City's WQMP Instructions and Template. The project design and construction shall comply with the requirements of the latest edition of the City's National Pollutant Discharge Elimination System (NPDES) Permit issued by the San Diego Regional Water Quality Control Board. Copies of the Permit may be downloaded from the Water Board's website at www.waterboards.ca.gov/sandiego. This order and the City's NPDES Local Implementation Plan (LIP) require the City to classify this Project as a priority project. The Applicant will be responsible for complying with the "priority development project" requirements of this Permit, which requires the Project to incorporate source control BMPs and structural treatment BMPs. The Applicant is advised that there are additional plan check fees for the review of this document.

85. Prior to the issuance of a Certificate of Use and Occupancy, all water runoff from the site (including sheet flow), including existing areas, shall be required to be filtered with a water quality device approved by the City Engineer, prior to the discharge of the water to the street gutter or storm drain system. This may require the installation of trench drains the entire width of the entrances to collect and treat sheet flow leaving the site.

86. Prior to the issuance of a Certificate of Use and Occupancy, the property owner shall furnish a recorded copy of a Maintenance Agreement outlining post construction Best Management Practices (BMP's) in accordance with the County of Orange Drainage Area Management Plan Appendix for New Development. The following non-structural BMP's are required to be implemented by the current property owner, and all subsequent property owners to satisfy National Pollution Discharge Elimination System requirements and requirements outlined in the Orange County Drainage Area Management Plan. A copy of these conditions of approval shall be provided to all subsequent property owners. The following BMP's will be required:

    a. Storage and Repair of Motor Vehicles - The property owner shall not allow motor vehicles stored on the premises to be washed on site, unless a car wash facility is proposed that is connected to the sanitary sewer system. Motor vehicles may be lightly rinsed (with no detergents, soaps, or surfactants) provided that de-ionized water is used sparingly and any runoff is diverted to a landscaped area or collected on-site and disposed of into the sanitary sewer system. Vehicles parked at this facility that show evidence of leaking fluids must be stored with drip pans located to catch the leakage and protected from mixing with stormwater. All

hazardous pollutants spilled from stored vehicles shall be cleaned and picked up immediately with an appropriate "dry method" absorbent material and disposed of properly. All spills must be contained and cleaned up on the premises.

b. Litter Control - The property owner will be required to implement trash management and litter control procedures in the common areas aimed at reducing pollution of drainage water. The property owner may contract with their landscape maintenance firm to provide this service with the regularly scheduled maintenance, which should consist of litter patrol, emptying of trash receptacles in common areas, and noting trash disposal violations and reporting the violations to the property owner for investigation.

c. Trash Enclosures and Dumpsters - The property owner shall post signs on trash enclosure gates that state "Keep Dumpster Lids Closed." The property owner will monitor dumpster usage such that dumpsters are not overfilled and the dumpster lids can close completely. The property owner shall increase the trash pickup schedule as necessary to prevent dumpsters from overfilling.

d. Landscape Maintenance - Ongoing maintenance must be consistent with the City's adopted water conservation ordinance, plus fertilizer and pesticide usage consistent with the "County Management Guidelines for Use and Fertilizers and Pesticides." Landscaping irrigation systems shall be adjusted and properly maintained to prevent over spray runoffs.

e. Green Waste Disposal - Green waste shall not be blown or swept into, or disposed of, in the street, gutter, public right-of-way, or storm drain catch basins or inlets. Leaf blowers, if used, shall be used to move green waste into piles so they can be swept and picked up and disposed of in green waste recycling containers.

f. Employee Training - The property owner shall prepare a training manual(s) for existing and future employees. The manual should include information on non-point source pollution and how to use proper Best Management Practices (BMPs) to minimize runoff pollutants. Training shall be provided upon hire and at regular intervals thereafter.

g. Catch Basin/Inlet Inspection - The property owner must inspect all catch basins/inlets on site and clean the catch basins, if necessary, prior to the storm season (no later than October 15 each year).

h. Lot/Street Sweeping - The property owner must sweep outdoor lots regularly (minimum monthly), and prior to the storm season (no later than October 15 each year). Sweeping shall be done with a vacuum-type sweeper. Under no circumstances are outdoor areas/lots to be rinsed or washed with water unless said rinse/wash water is collected and disposed of properly (i.e. into the sewer).

i. Catch Basin Stenciling - All catch basins/inlets/outlets on site must be marked using the City's "No Dumping - Drains to Ocean" curb marker or stenciled using an approved stencil shall be used to paint this message on the top of curb directly above the inlet, and on one side of the curb face. Labeling for catch basins is to be inspected regularly and maintained so as to be reasonably legible at all times. The inspection and maintenance is to be performed by the property owner. This stencil is to alert the public/employees to the destination of pollutants discharged into the storm water.

j. BMP Maintenance - The property owner shall be responsible for implementation of each non-structural BMP and regularly scheduled cleaning of all BMP structural facilities (catch basin, storm drains, trash enclosures, etc.).

k. Title 22 CCR Compliance - The property owner must comply with Title 22 of the California Code of Regulations and relevant sections of the California Health and Safety Code regarding hazardous waste management, which will be enforced by County Environmental Health on behalf of the State.

l. Haz-Mat Disclosure Compliance - The property owner shall comply with County and City ordinances.

m. Uniform Fire Code Implementation - The property owner shall comply with Article 80 of the Uniform Fire Code.

n. Spill Response Plan/Kit- The property owner shall develop a spill response plan and maintain a spill response kit on site. Employees shall be properly trained to use the spill response kit. Owner shall maintain absorbent materials in the spill response kit to adequately contain any spills that can be anticipated (i.e. oil drips, engine coolant, etc.).

87. Prior to the issuance of a precise grading permit, the Applicant shall provide plans and supporting documentation for the review and approval of the City

Engineer showing that areas requiring regular washing/cleaning (including dumpster areas) are isolated from the storm drain system. No discharge from such areas shall be allowed into the storm drains. This plan may be incorporated into the WQMP.

88. Prior to the issuance of a Certificate of Use and Occupancy, catch basin filters shall be installed on all catch basins which drain the subject site, including any existing catch basins. Specification sheets shall be submitted to the City Engineer for approval prior to the installation of the filters.

PUBLIC WORKS WATER, SEWER, AND UTILITIES CONDITIONS

89. On-site water and sewer facilities that will not be maintained by El Toro Water District shall be plan checked and inspected by the City's Building Department. All fees shall be paid in accordance with the City's fee schedule.

90. Any above ground valve assemblies or back-flow devices shall be placed on private property and an easement dedicated to El Toro Water District.

91. Prior to the issuance of a Certificate of Use and Occupancy, any damage, either structural or aesthetic, to any public and/or private streets as a result of utility connections to service the Project shall be repaired by the Applicant to the reasonable satisfaction of the City Engineer, which may include repaving the street from curb-to-curb. The improvements will not be accepted by the City until the necessary repairs are completed.

92. Any above ground utility cabinets shall be placed on private property and an easement dedicated to the appropriate utility company (if required).

93. No above ground utility structures, cabinets, pipes, or valves shall be constructed within the public right-of-way.

PUBLIC WORKS LANDSCAPING-RELATED CONDITIONS

94. The maintenance of any landscaping between the curb and the right-of-way line of any street abutting the parcel shall be the responsibility of the owner of that parcel in accordance with City of Laguna Hills Municipal Code Section 12-12.360, unless a recognized association or district has assumed responsibility for said maintenance.

95. All landscape plans shall reflect all improvements shown on the final approved grading plans and building plans including, but not limited to, improvements such as ramps, walkways, driveways, planter areas, fire access lanes, ingress and egress to buildings, and appurtenances

constructed to support the use of any improvements such as gates, handrails, fences, or walls.

TRAFFIC AND PARKING CONDITIONS

96. Prior to the issuance of a precise grading permit, a plan for the placement and installation of traffic signing, pavement delineation, and other traffic devices on the subject property shall be prepared for review and approval by the City Engineer. Parking stalls shall be sized and striped according to City engineering standard plans and the Municipal Code, and stop signs along with stop legend bar shall be provided at all locations as specified by the City Engineer. The City of Laguna Hills has adopted County of Orange Public Works Standard Plans as its engineering standard plans.

97. Prior to the issuance of a grading permit, the Applicant shall provide a construction management plan that demonstrates how existing tenants in the existing office building at 23330 Mill Creek Drive during project construction will maintain access to adequate parking and parking lot circulation in addition to vehicle and pedestrian access. The plan shall ensure the proposed buildings maintain the following: 1) adequate site access (vehicular and pedestrian); 2) adequate parking; 3) access to public and private transportation facilities; 4) utility services; and 5) access to adjoining properties that are in existence. In approving the plan, the Public Works Director and Community Development Director may consider the historical vehicular and pedestrian connections between the Subject Property and adjacent properties, and the location of existing driveway entrances/exits. The Applicant shall ensure improvements to remain, or any new improvements required in the approved plan, are maintained in a safe condition for the use of vehicles and pedestrians for as long as the improvements are needed to serve affected buildings until the Project is completed. Prior to City approval of the construction management plan, the Applicant shall obtain approval of the Orange County Fire Authority (OCFA) and provide proof of OCFA approval to the Community Development Director. As reasonably determined by the Community Development Director and Public Works Director, the plan shall be implemented and periodically updated prior to commencement of any project phasing.

CONSTRUCTION ACCESS

98. During construction of the Project, the Applicant shall maintain adequate site vehicular and pedestrian ingress and egress for customers of adjacent commercial uses and utilize temporary directional signage in the public right-of-way as needed to the reasonable satisfaction of the Public Works Director and Community Development Director. Required directional signage shall

comply with City standards and specifications, including but not limited to, the CalTrans design manual, the California Manual of Uniform Traffic Control Devices, and/or as recommended by the American Association of State Highway and Transportation Officials (AASHTO). Required private directional signage shall be provided as appropriate at the reasonable discretion of the Community Development Director.

99. During any construction, adequate emergency access for police, fire, and paramedic vehicles, to the standards of, and approval of, the OCFA, shall be maintained on the Subject Property at all times.

100. Prior to the issuance of any demolition, grading, building or other permit within a District, the Applicant shall submit a construction staging plan to the Community Development Director identifying areas to be used for equipment and material storage, placement of construction trailers, portable restrooms, delivery areas for loading and unloading of materials and equipment, construction waste diversion processing, and construction employee parking. The Applicant shall periodically submit an updated construction staging plan, as needed and/or when reasonably requested by the Community Development Director. Appropriate pedestrian and vehicular safety barriers shall be installed in all areas as required by the Community Development Director prior to the issuance of permits. In addition, prior to the issuance of any permits within a District, an on-site pedestrian and vehicle parking circulation plan shall be submitted to the City for review and approval by the Public Services Director and Community Development Director identifying pedestrian and vehicle access, including temporary parking for disabled patrons for businesses that will remain open during construction.

101. During the course of construction, the Applicant shall immediately respond to requests made by a City inspector to reasonably resolve any public safety or access issues identified during the work. Modifications to an approved construction staging plan shall be made when requested by a City inspector within 48 hours, or as soon as possible as determined by the Community Development Director.

COVENANT AGREEMENT

102. The approved Project consists of four separate residential parcels containing residential buildings at various densities, including a parcel with a six story residential building with structured parking, which share access and parking, along with four lettered lots for recreation, open space, and private streets, and includes approval of a precise plan of development covering all parcels

in accordance with the requirements of the Mixed Use District. Accordingly, prior to or concurrent with recordation of the final map, the then current property owner(s) of any portion of the Subject Property shall enter into and record a Covenant Agreement or Agreements (or other appropriate document acceptable to the City) with the City in a form approved by the City Attorney and City Manager. The City Manager shall be authorized to execute the Covenant Agreement(s) on behalf of the City. Evidence of the recordation of the Covenant Agreement(s) shall be provided to the City within five (5) business days of recordation. The Applicant shall provide City with a current title report and/or other evidence satisfactory to the City evidencing title ownership of any portion of the Subject Property at the time of recordation of the Covenant Agreement(s). The Applicant shall reimburse the City for all legal costs incurred by the City associated with implementation of and/or compliance with this condition.

At a minimum, the Covenant Agreement(s) shall:

a. Run with the land and be binding upon all current and future owners and tenants of any portion the Subject Property and their respective heirs, successors, and assignees;

b. Evidence and provide record notice of the approved precise plan for development of all portions of the Subject Property as depicted on the plans and specifications submitted to the City in conjunction with this Permit;

c. Require all portions of the Subject Property to be developed, used, and maintained in a manner consistent with this Permit, as it may be amended from time to time, and the pertinent specifications and standards contained in these Conditions of Approval, the Mixed Use District, and the City's Development Code;

d. Provide for, or reference and incorporate, all current or future reciprocal access and parking easements between and amongst the various parcels on the Subject Property that are necessary to implement this Permit, including the shared parking for the residential uses on Lots 2 and 3 and all fire lanes as required by the Orange County Fire Authority (OCFA);

e. Include Provisions requiring specified park areas, pedestrian pathways, and other specified exterior developed portions of the Subject Property to be accessible and usable by the public, subject to reasonable limitations on public access to address, among other things, public safety and security.

f. Establish maintenance standards acceptable to the City for all exterior

Project components and areas of the Subject Property and adjacent portions of the right-of-way which Applicant is required to maintain pursuant to these Conditions, including, but not limited to, vehicular, bicycle and pedestrian facilities, parkways, parking facilities, open spaces, landscape areas, furniture and shade structures, signage, utilities, sanitary sewer facilities, and storm water drainage devices, and provide for the allocation of responsibility for maintenance of such components and areas in compliance with such standards and the funding thereof;

g. Include provisions identifying an entity or entities responsible for ongoing implementation and funding of the Operations and Maintenance (O&M) Plan associated with the Water Quality Management Plan (WQMP) for the Project and compliance with the LHMC Chapter 5-36 and other applicable National Pollutant Discharge Elimination System (NPDES) regulations;

h. Provide that the Covenant Agreement may not be substantively amended or terminated without prior written City approval;

i. Provide that the City may, but shall not be obligated to, enforce the provisions of the Covenant Agreement; and

j. Address and assign responsibility for compliance with Covenant Agreement should portions of the Subject Property be, or in the future come, under separate ownership.

PROTECTION OF TRIBAL CULTURAL RESOURCES: GABRIELENO BAND OF MISSION INDIANS – KIZH NATION

103. Retention of Tribal Monitor. The Gabrieleno Band of Mission Indians – Kizh Nation ("Kizh") shall designate a monitor. ("Kizh Monitor") The Kizh Monitor will be retained by the Applicant prior to the commencement of any ground-disturbing activity. As used herein, "ground-disturbing activity" shall include, but is not limited to, demolition, pavement removal, potholing, auguring, boring, grubbing, tree removal, grading, excavation, drilling, and trenching,

104. Site Access and Safety. The Kizh Monitor shall comply with the Applicant's reasonable site access and workplace safety requirements.

105. Compensation. The Applicant shall compensate the Kizh Monitor at a reasonable rate, determined in good faith, that aligns with customary compensation for tribal cultural resource monitoring, taking into account the scope and duration of the Project.

106. Avoidance of Tribal Cultural Resources. The Applicant shall avoid tribal cultural resources where feasible, consistent with Public Resources Code (PRC) section 21084.3(a) and 21083.2(b). Where feasible, the Applicant shall provide deference to tribal preferences regarding access to spiritual, ceremonial, and burial sites, and incorporate tribal traditional knowledge in the protection and sustainable use of tribal cultural resources and landscapes.

107. Treatment of Tribal Cultural Resources. All treatment and documentation of tribal cultural resources shall be conducted in a culturally appropriate manner consistent with PRC Section 21083.9.

108. Records Search. A California Historical Resources Information System archaeological records search and a tribal cultural records search shall be completed for the Project site.

109. Sacred Lands Inventory. A Sacred Lands Inventory request shall be submitted by the Applicant to the Native American Heritage Commission.

110. The Applicant shall comply with Section 7050.5 of the Health and Safety Code and Section 5097.98, including immediate work stoppage upon discovery of human remains or burial grounds, and treatment in accordance with applicable law and in consultation with the affected California Native American tribe.

111. The Applicant shall apply tribal ecological knowledge into habitat restoration efforts undertaken by the project as applicable to the specific, environmental context and conditions of the project.

PROTECTION OF TRIBAL CULTURAL RESOURCES: PAUMA BAND OF LUISENO MISSION INDIANS (“PAUMA”):

112. The Applicant shall promptly notify Pauma of any inadvertent discoveries of potential tribal resources, sacred sites, or ancestral remains, if there are any during ground disturbing activities.

PROTECTION OF TRIBAL CULTURAL RESOURCES: GABRIELENO BAND OF MISSION INDIANS – JUANEÑO BAND OF MISSION INDIANS, ACJACHEMEN NATION

113. Retention of Tribal Monitor. The Juaneno Band of Mission Indians, Acjachemen Nation, shall designate a monitor. (“JBMIAN Monitor”) The JBMIAN Monitor will be retained by the Applicant prior to the commencement

of any ground-disturbing activity. As used herein, “ground-disturbing activity” shall include, but is not limited to, demolition, pavement removal, potholing, auguring, boring, grubbing, tree removal, grading, excavation, drilling, and trenching.

114. Monitoring Locations and Frequency**.** The JBMIAN Monitor shall monitor during ground-disturbing activities in the following locations: (i) within the Project site boundary and (ii) off-site within areas previously identified by JBMIAN as containing potential JBMIAN tribal cultural resources. JBMIAN shall not rotate monitoring responsibilities with other tribes. The frequency and duration of tribal monitoring shall be determined by the JBMIAN Monitor and shall occur as necessary, based on the nature, location, and intensity of ground-disturbing activities and the potential for impacts to tribal cultural resources. JBMIAN has indicated an intent to monitor approximately 2–3 days per week or half days, depending on the tribal resources identified, if any.

115. Monitoring Agreement. Prior to the commencement of any ground-disturbing activity, the Applicant and JBMIAN shall execute a written agreement memorializing the roles, authority, and responsibilities of JBMIAN during ground-disturbing activities, including, at a minimum, (i) protocols in the event of an unanticipated discovery of tribal cultural resources, including procedures for documenting discoveries at the time they occur, treatment measures taken, and confirmation that work did not resume until treatment was completed; (ii) protocols for documenting tribal disposition decisions for recovered resources, including reburial, return, or other treatment; (iii) confidentiality provisions for the location and nature of discovered tribal cultural resources; and (iv) recordkeeping requirements, including monitoring logs and consultation records. A copy of this written agreement shall be submitted to the City prior to any ground-disturbing activities.

116. Compensation. The Applicant shall compensate the JBMIAN Monitor at a reasonable rate, determined in good faith, that aligns with customary compensation for tribal cultural resource monitoring, taking into account the scope and duration of the Project.

117. Coordination and Meetings. Good faith coordination before and during ground-disturbing activities shall occur between the JBMIAN Monitor and the Applicant. A joint construction meeting shall be conducted between the Applicant and the JBMIAN Monitor prior to the commencement of ground-disturbing activities to coordinate anticipated construction and monitoring.

118. Site Access. The JBMIAN Monitor on the Project site shall comply with the

Applicant's reasonable site access and workplace safety requirements.

119. Avoidance of Tribal Cultural Resources. The Applicant shall avoid tribal cultural resources where feasible, consistent with Public Resources Code (PRC) section 21084.3(a) and section 21083.2(b). Where feasible, the Applicant shall provide deference to tribal preferences regarding access to spiritual, ceremonial, and burial sites, and incorporate tribal traditional knowledge in the protection and sustainable use of tribal cultural resources and landscapes. All treatment and documentation of tribal cultural resources shall be conducted in a culturally appropriate manner.

120. Discovery of Tribal Cultural Resources (Non-Human Remains). Upon discovery of any tribal cultural resources other than human remains, the JBMIAN Monitor and the Applicant shall jointly determine if preservation of the resource in place is feasible. If preservation in place is not feasible, the JBMIAN Monitor will recover and retain the tribal cultural resource. The decision to preserve in place or recover a resource shall occur expeditiously (approximately fifteen to twenty minutes).

121. Discovery of Human Remains. Upon discovery of human remains or burial grounds, all construction activities within a 100-foot radius of the discovery shall be halted or redirected until the discovery can be evaluated by the JBMIAN Monitor. The Applicant shall comply with Health and Safety Code Section 7050.5 and Section 5097.98, including immediate work stoppage upon discovery of human remains or burial grounds, and treatment in accordance with applicable law. The location and nature of discovered human remains or burial grounds shall be kept confidential to the extent permitted by law to prevent further disturbance.

122. Tribal Ceremonies and Blessings. If desired by JBMIAN, the Applicant shall accommodate tribal ceremonies or blessings safely and respectfully prior to and/or during construction, as requested by JBMIAN. Records of coordination and confirmation that such ceremonies or blessings were accommodated shall be maintained by JBMIAN.

123. Documentation of Tribal Cultural Resources. Documentation of recovered tribal cultural resources, including descriptions and records of discoveries, shall be prepared and submitted by the JBMIAN Monitor to the City if desired by JBMIAN.

124. Conclusion of Monitoring and Final Report. Tribal monitoring shall conclude upon the earlier of the following: a) written confirmation from JBMIAN that all ground-disturbing activities have been completed; or b) written confirmation

from the City that all ground-disturbing activities have been completed. JBMIAN shall submit a written report to the City at the conclusion of ground-disturbing activities summarizing the results of tribal monitoring and documenting any tribal cultural resources identified or recovered, if desired by JBMIAN.

125. Records Search. A California Historical Resources Information System archaeological records search and a tribal cultural records search shall be completed for the Project site.

126. Sacred Lands Inventory. A Sacred Lands Inventory request shall be submitted by the Applicant to the Native American Heritage Commission.

HAZARDOUS SUBSTANCES

127. The Applicant and Project shall be subject to the following required Conditions pursuant to subdivision (c)(1) of Section 21080.66 of the Public Resources Code:

a. The Applicant shall complete a phase I environmental assessment, as defined in Section 78090 of the Health and Safety Code.

b. If a recognized environmental condition is found, the Applicant shall complete a preliminary endangerment assessment, as defined in Health & Safety Code Section 78095, prepared by a qualified environmental assessor to determine the existing of any release of a hazardous substance on the site and to determine if the potential for exposure of future occupants to significant health hazards from any nearby property or activity.

c. If a release of a hazardous substance is found to exist on the Project site, no Certificate of Use and Occupancy shall be issued until the Applicant provides satisfactory evidence to the City that the release has been removed or any effects of the release have been mitigated to levels required by current federal and state statutory and regulatory standards.

d. If a potential for exposure to significant hazards from surrounding properties or activities is found to exist, no Certificate of Use and Occupancy shall be issued until the Applicant provides satisfactory evidence to the City that the effects of the potential exposure have been mitigated to levels required by current federal and state statutory and regulatory standards.

PASSED, APPROVED AND ADOPTED this 24th day of February 2026.

_____
Don Caskey, Chair

ATTEST:

_____
Jennifer Lee, City Clerk

STATE OF CALIFORNIA)
COUNTY OF ORANGE) ss
CITY OF LAGUNA HILLS)

I, Jennifer Lee, City Clerk of the City of Laguna Hills, California, DO HEREBY CERTIFY that the foregoing is a true and correct copy of Resolution No. PA2026-02-26-X adopted by the Planning Agency of the City of Laguna Hills, California, at a Regular Meeting thereof held on the 24th day of February 2026, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

(SEAL)

_____
Jennifer Lee, City Clerk



PROJECT DESCRIPTION:

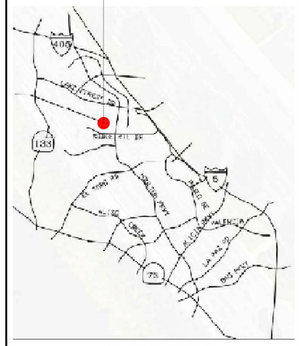
A RESIDENTIAL DEVELOPMENT ON 18.51 ACRES NORTHEAST OF THE INTERSECTION OF RIDGE ROUTE DRIVE AND MILL CREEK ROAD IN THE CITY OF LAGUNA HILLS. THE PROJECT INCLUDES 259 ATTACHED SINGLE-FAMILY UNITS AND 221 MULTI-FAMILY UNITS. THE ATTACHED SINGLE-FAMILY UNITS INCLUDE "DUETS" (46 UNITS), "DUPLEXES (106 UNITS) AND TRIPLEXES (107 UNITS), ALL THREE STORIES IN HEIGHT. THE MULTI-FAMILY BUILDING IS FIVE STORIES IN HEIGHT WITH 221 APARTMENT UNITS WRAPPED AROUND A PARKING STRUCTURE. TWENTY FOUR OF THE TOTAL UNITS WILL BE RESTRICTED FOR VERY LOW INCOME HOUSEHOLDS. DENSITY BONUS LAW INCENTIVES AND WAIVERS ARE REQUESTED.

PROJECT SITE SUMMARY

Zoning:	Multi Family / Mixed Use		
Proposed Development:	Attached Residential		
Gross Area:	18.51		
Total Units	480		
Gross Density:	25.9 DU/AC		
Product / Area Description:	Gross Area (ac)	Net Area (ac)	Total Unit
Lot 1: Single Family Attached (Duet)	3.23	2.52	46
Lot 2: Single Family Attached (Triplex)	4.60	3.64	107
Lot 3: Single Family Attached (Duplex)	6.47	5.49	106
Lot 4: Multifamily	2.33	2.33	221
Lot A: Corner Park	0.31	0.31	
Lot B: Rec Center	0.30	0.3	
Lot C: Shared Street	1.10	1.1	
Lot D: Shared Strret at Multi-Family	0.17	0.17	
Total	18.51	15.86	480

SETBACKS	MXU Zoning 9-30.040	Proposed **(Waiver)**
Minimum Front setback	20'	10'
Minimum Rear setback	15'	4'
Minimum Side setback	5'	4'
Minimum Parking Lot setback	20'	5'
Minimum Building Separation	10'	6.5'

PROJECT LOCATION



VICINITY MAP

UNIT SUMMARY - LOTS 1, 2, & 3

LOT 1 - (UA SINGLE-FAMILY ATTACHED "A") Floor Plan Breakdown

Floor Plan	Bd/Ba	SF (Net)	SF (Gross)	Garage SF	SF (Construction)	# Units	Total SF (Res)	Total SF (Construction)
Plan 1	4bd/3.5ba	2,121	2,328	414	2,742	23	48,783	63,066
Plan 2	4bd/3.5ba	2,738	3,054	407	3,461	23	62,974	79,603
LOT 1 TOTAL						46	111,757	142,669

LOT 2
TRIPLEX (UA SINGLE-FAMILY ATTACHED "B") Floor Plan Breakdown

Floor Plan		SF (Net)	SF (Gross)	Garage SF	SF (Construction)	Total	Total SF (Res)	Total SF (Construction)
Plan 1	2bd+den/3ba	1,820	2,010	423	2,433	29	52,780	70,557
Plan 2	3bd/3.5ba	1,965	2,151	438	2,589	29	56,985	75,081
Plan 3	3bd/3.5ba	2,130	2,316	437	2,753	29	61,770	79,837
						87	171,535	225,475

2-PLEX (UA SINGLE-FAMILY ATTACHED "B") Floor Plan Breakdown

Floor Plan		SF (Net)	SF (Gross)	Garage SF	SF (Construction)	Total	Total SF (Res)	Total SF (Construction)
Plan 2	3bd/3.5ba	1,965	2,151	438	2,589	10	19,650	25,890
Plan 3	3bd/3.5ba	2,130	2,316	437	2,753	10	21,300	27,530
						20	40,950	53,420
LOT 2 TOTAL						107	212,485	278,895

LOT 3 - (UA SINGLE-FAMILY ATTACHED "C") Floor Plan Breakdown

Floor Plan		SF (Net)	SF (Gross)	Garage SF	SF (Construction)	Total	Total SF (Res)	Total SF (Construction)
Plan 1	4bd/3.5ba	2,094	2,334	414	2,748	53	110,982	145,644
Plan 2	4db/3.5ba	2,777	3,025	400	3,425	53	147,181	181,525
LOT 3 TOTAL						106	258,163	327,169

PARKING SUMMARY (ATTACHED RESIDENTIAL) - LOTS: 1, 2 & 3

MIN. PARKING REQUIRED			Spaces required
Single-family, attached	2 covered spaces/unit	259 units	518 spaces
	0.3 unassigned spaces/unit	259 units	77.7 spaces
		Total Required	596 spaces

PARKING PROVIDED	Spaces provided
LOT 1 - (SINGLE-FAMILY ATTACHED "A")	
Garage - std (Plan 2)	46 spaces
Garage - offset (Plan 1)	46 spaces
Driveway (assigned)	35 spaces
Open spaces (unassigned)	11 spaces
	138 spaces
LOT 2 - (SINGLE-FAMILY ATTACHED "B")	
Garage - std	214 spaces
Driveway - std (assigned)	0 spaces
Open spaces (unassigned)	6 spaces
	220 spaces
LOT 3 - (SINGLE-FAMILY ATTACHED "C")	
Garage - std (Plan 2)	106 spaces
Garage - offset (Plan 1)	106 spaces
Driveway (assigned)	53 spaces
Open spaces (unassigned)	17 spaces
	282 spaces
Total Provided	640 spaces

UNIT TYPE	NUMBER OF UNITS	RATIO	TOTAL STALLS
STUDIOS	25	1.00	25
1 BEDROOM	134	1.00	134
2 BEDROOM	62	1.50	93
TOTAL UNITS	221		252
TOTAL RESIDENTIAL STALLS		**1.14 RATIO**	**252**
USPS STALL PROVIDED			1
LEASING STALLS PROVIDED			3
TOTAL STALLS REQUIRED			**256**

USE TYPE	QUANTITY*	RATIO	TOTAL REQUIRED	NUMBER OF REQUIRED	
				STD.	VAN
ASSIGNED RESIDENTIAL	192	0.02	4	3	1
UNASSIGNED GUEST	0	0.05	0	0	0
UNASSIGNED LEASING	3	0.05	1	0	1
TOTAL ACCESSIBLE STALLS REQUIRED:			5	3	2

NOTE:
* THE ACCESSIBLE STALLS FOR EV ARE CALCULATED BELOW AND NOT INCLUDED IN THIS COUNT.
* (CALCULATED NUMBER OF STALLS = ALL PROVIDED - EV READY CHARGERS & EV READY RECEPTACLES)

EV CATEGORY	NUMBERS OF STALLS	RATIO	REQUIRED
ASSIGNED RESIDENTIAL STALLS			
EV READY - CHARGERS	376	10%	38
EV READY - RECEPTACLES		40%	150
RESIDENTIAL EV STALLS REQUIRED		**50%**	**188**
	TOTAL	1/25 - 8' AISLE*	STANDARD
	188	8	180
UNASSIGNED LEASING STALLS			
EV READY - CHARGERS	3	10%	1
EV READY - RECEPTACLES		40%	2
RESIDENTIAL EV STALLS REQUIRED		**50%**	**3**
	TOTAL	1/25 - 8' AISLE*	STANDARD
	3	1	2

NOTE:
* THE NUMBER OF EV CAPABLE SPACES REQUIRED MAY BE REDUCED BY A NUMBER EQUAL TO THE NUMBER OF EV CHARGERS INSTALLED OVER THE FIVE (5) PERCENT REQUIRED. CGBC 4.106.4.2.2 EXCEPTION.
ALL ACCESSIBLE EVSE EQUIPMENT SHALL COMPLY WITH 11B-812. ALL ACCESSIBLE EV STALLS SHALL COMPLY WITH 11A AND 1109A.

PARKING LEVEL	STALL COUNT PER USE							TOTAL STALLS PROVIDED
	STANDARD	USPS	GUEST ADA	STANDARD ADA	EV ADA 8' AISLE	EV CHARGERS	EV RECEPTACLES	
1	8	1	0	1	2	2	9	23
2	35			1		7	28	71
3	35			1		7	28	71
4	35			1		7	28	71
5	35			1		7	28	71
6	37					7	29	73
TOTALS	**185**	**1**	**0**	**5**	**2**	**37**	**150**	**380**
TOTAL STALLS PROVIDED								**380**

OPEN SPACE SUMMARY	REQUIRED (9-30.040)	PROVIDED (WAIVER REQUEST)
Public Open Space - LOT 1	1/4 of min. Open Space	Remove Requirements - None provided
Public Open Space - LOTS 2,3,4	1/4 of min. Open Space	Remove Requirements - None provided
Common Open Space - LOT 1	0.16 acre	Remove Requirements
Common Open Space - LOTS 2,3,4	0.66 acre	Remove Requirements (0.68 acre provided)
Private Open Space - LOT 1(Deck)	100 sf/unit	Varies - 200 sf min.
Private Open Space - LOT 2	100 sf/unit	Remove Requirements (84 sf deck provided)
Private Open Space - LOT 3	100 sf/unit	Varies - 250 sf min.
Private Open Space - LOT 4 (Deck)	100 sf/ground level unit - 50sf/unit above	Remove Requirements -(60 sf average prov'd)

COMMON LANDSCAPE PLANTING	Area
LOT 1	11,356 sf
LOTS 2, 3, 4, A,B & C	164,511 sf
Total Common Landscape Planting Area	175,867 sf (4.04 acres)
Landscape Coverage (4.04 ac / 18.51 ac) =	22%

BUILDING SUMMARY

UNIT TYPE	B LEVEL	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	PERCENTAGE	TOTAL
S1	1	4	5	5	5	5	11.31%	25
STUDIOS	**1**	**4**	**5**	**5**	**5**	**5**	**11.31%**	**25**
A1	4	9	10	12	12	12	26.70%	59
A1.1	2	2	2	2	2	2	5.43%	12
A1A	0	1	4	4	4	4	7.69%	17
A2	1	1	0	0	0	0	0.90%	2
A3	0	8	9	9	9	9	19.91%	44
1 BEDS	**7**	**21**	**25**	**27**	**27**	**27**	**60.63%**	**134**
B2	1	9	11	11	11	10	23.98%	53
B3	0	0	1	1	1	1	1.81%	4
B4	0	1	1	1	1	1	2.26%	5
2 BEDS	**1**	**10**	**13**	**13**	**13**	**12**	**28.05%**	**62**
SUBTOTAL	**9**	**35**	**43**	**45**	**45**	**44**	**100%**	**221**
TOTAL			**221**					

PROPERTY OWNERS:

KB RIDGE ROUTE, LLC
KB MILL CREEK, DST
KB SPECTRUM SUMMIT PLAZA, LLC
ADDRESS:
1645 VILLAGE CENTER CIRCLE, SUITE 200
LAS VEGAS, NV 89134

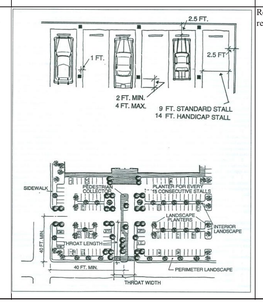
LAKEHILLS CORPORATE PARK OWNERS ASSOCIATION, INC.,
ADDRESS:
C/O WORTH PROPERTY MANAGEMENT
P.O. BOX 449

TERRAVITA
LAGUNA HILLS | CA
KINGSBARN REALTY CAPITAL | 23-109
DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL
KELEMEN COMPANY
URBAN ARENA

TITLE SHEET | CS 1

Item	City Objective Design Standards	City Code	Description	Waiver Request	Justification	Proposed Design
1		MXU Zoning 9-30.040 Development Standards	20' minimum building front setback	Reduce setback to 10'	Without a reduced setback, the required density is physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	10' minimum front setback
2		MXU Zoning 9-30.040 Development Standards	15' minimum building rear setback	Reduce setback to 4'	Without a reduced setback, the required density is physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	4' minimum rear setback
3		MXU Zoning 9-30.040 Development Standards	5' minimum building interior side setback	Reduce setback to 4'	Without a reduced setback, the required density is physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	4' minimum side setback
4		MXU Zoning 9-30.040 Development Standards	15' minimum building street side setback	Reduce setback to 4'	Without a reduced setback, the required density is physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	4' minimum side setback
5		MXU Zoning 9-30.040 Development Standards	20' minimum parking lot front setback	Reduce setback to 5'	Without a reduced setback, the required density is physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	5' minimum front setback
6		MXU Zoning 9-30.040 Development Standards	10' minimum building separation	Reduce to 6'	Without reducing building to building separation, the required density is physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	6'-6" building separation for duplex units
7		MXU Zoning 9-30.040 Development Standards	10% minimum private open space	Remove requirement	Without reducing the minimum private open space acreage, the required density is physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	Multi-Family site does not meet this requirement
8		MXU Zoning 9-30.040 Development Standards	10% minimum landscape coverage	Remove requirement	Without reducing the minimum landscape coverage, the required density is physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	Multi-Family site does not meet this requirement
9	2.1.1 Maximum Block Size		Maximum allowed block length of 800' or perimeter length of 2,800'	Remove requirement	A block wall length requirement makes the required density physically infeasible and a waiver is needed to construct this project.	Longest dimension exceeds 800' without mid block connection.
10	2.1.2 Mid-Block Connection		Required if block lengths exceeds maximum Block Length or Perimeter Length per 2.1.1 Minimum building width must be 20' and a pedestrian path of 8' must be provided	Remove requirement	A block wall length requirement makes the required density physically infeasible and a waiver is needed to construct this project.	No mid-block connection proposed
11	2.2.2 Pedestrian Connections		Primary entries to buildings or units shall beconnected to a public sidewalk or publicly accessible pathway with a pedestrian pathway Entrances serving 1-2 units must have a minimum width of 4'	Reduce requirement to 4' sidewalk on one side	Pedestrian connections in front of all buildings makes the required density physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	4' sidewalk provided on one side of street only. Entrances serving units are 3' minimum.
12	2.4.1.4 Location and screening of roof top equipment		2. Roof-mounted equipment greater in height than 2' or the parapet wall shall be screened to a height equal to the height of the equipment, not including solar panels, wind generators, or green roof features.	screened by parapet	Additional screening increase the building height and cost to comensate for the loss or building affordable housing.	Roof top equipment will be placed far away from building edge, screened by parapets and mansard roofs thus not visible from ground level public view.
13	2.5.1 Public Open Space	MXU Zoning 9-30.040 Development Standards	Required for projects greater than 2ac Minimum public open space shall be 1/4 of the minimum open space required. 10% of site area required as private open space per city code	Remove requirement	A public open space requirement makes the required density physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	0.08 ac is required as public open space. No public open space proposed.
14	2.5.2 Common Open Space	MXU Zoning 9-30.040 Development Standards	50% of required open space is required as common open space. 10% of site area required as private open space per city code	Remove requirement	A common open space requirement makes the required density physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	Kingsbarn - SFD: 0.66 ac is required as common open space, however the common open space may not be located directly next to arterial streets or adjacent commercial developments; therefore Lot B may not be counted towards common open space. The total acreage of Lot A and Blufftop Park is 0.5 ac. Toll Brothers: 0.16 ac required as common open space. No common open space proposed
15	2.8.1 Pedestrian Pathways		All on-site buildings, entries, facilities, amenities, and vehicular and bicycle parking areas shall be internally connected with a minimum 4' wide pedestrian pathway or pathway network. At least two amenities that include trellises and/or benches shall be provided on any pedestrian path longer than 200	Reduce requirement to 4' sidewalk on one side and 3' walks to entries	A pedestrian pathway requirement makes the required density physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	4' sidewalk provided on one side of street only. Entrances serving units are 3' minimum. No amenities proposed along pedestrian paths.
16		9-44.060 Design standards for parking facilities	A(4) Direct access to a parking lot or parking stall from a public roadway shall be prohibited, except for low-density residential uses	Remove/Reduce requirement	Prohibiding direct access to parking stalls from the right of way will reduce the overall density.	Parking lot accessed directly off Mill Creek Dr
17		Single Family Residential Development Standards	City of Laguna Hills Single Family Residentail Development Standards.	Remove all requirments and adjust as designed.	Restrictions make the project infeasble at the density permitted.	

Item	City Objective Design Standards	City Code	Description	Waiver Request	Justification	Proposed Design
18		9-44.060 Table 9-44.D Parking facility design standards	10' x 20' minimum garage dimension	Modify to allow encroachment for trash and water heaters	By restricting trash and water heater encroachment into the garage minimum dimension, the development would be physically infeasible and a waiver is needed to construct this project.	Trash and water heater encroach into minimum dimension
19		9-44.060 Design standards for parking facilities		Remove requirement	The additional area required would make the project infeasable.	Figure shown after section 9-44.060.L of m unicipal code suggests a 1-foot additional width on parking stall adacent to a column and 2.5-feet additional width when adjacent to a wall.We propose no additional width when stall is adjacent to column and 1 foot when stall is adjacent to a wall.

Item	City Objective Design Standards	City Code	Description	Waiver Request	Justification	Proposed Design
20		OCPW Std 1107	Local street: 40' minimum curb to curb with 8' sidewalk+parkway both sides	Modify to match City of Irvine Private Way	A reduced street width of 26' curb to curb will allow the development to meet the required density. Without this waiver this project would be physically infeasible. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	26' curb to curb with sidewalk on one side proposed.
21		OCPW Std 1107	Guard gate: 40' curb to curb with 8' sidewalk+parkway both sides; 100' minimum stacking distance	Modify to match City of Irvine Private Way, reduce stacking distance to 70'	A reduced minimum stacking distance is required to make this project physically feasible. A waiver is needed to construction this project.	Kingsbarn - SFD: 26' curb to curb with sidewalk on one side proposed. Matches City of Irvine Private Way Toll Brothers: 76' stacking distance provided
22		LHMC 9-44.060.A.5	5' Sidewalk access width	Reduce to 4'	5' sidewalk makes the required density infeasible.	4' minimum sidewalk with from Mill Creek and Ridge Route road and within the project.
23	2.7.1.1 Short-Term Bicycle Parking		Short-term bicycle parking shall be provided at a rate of one space per 10 dwelling units	Remove requirement	A short term bicycle parking requirement makes the required density physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	Kingsbarn - SFD: 21 bicycle spaces required, none provided. Toll Brothers: 5 bicycle spaces required, none provided.
24		9-40.100 Fences, walls, and hedges	Perimeter tract walls which are adjacent to a public street shall have articulated planes by providing, at a minimum for every one hundred (100) feet of continuous wall, an eighteen (18) inch deep by eight foot long landscaped recession. Walls should be constructed with pilasters provided at every change in direction, every five feet difference in elevation and at a minimum of every twenty-five (25) feet of continuous wall. Fences, walls, and hedges within the front yard setback shall not exceed 42" in height. The height of retaining walls in the front yard shall be less than 30" in height. The total wall height, including the retaining wall, shall not be greater than 42"	Remove requirement	A fence, wall and hedge requirement (9-40.100) makes the required density physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	MSE planted wall proposed along street, no landscaped recessions proposed. No pilasters proposed. 54' high wall with 5' fence on top proposed
25		9-44.060 Design standards for parking facilities	G(11) Where a parking lot abuts a residential use it shall be provided with an extensive buffer consisting of a minimum five foot wide planter and six foot high solid masonry wall/fence with screening vegetation planted in conjunction with the wall. Where the parking lot is across from a residential area, it shall be provided a landscaped berm and wall combination to screen the lot. H. Paving shall be required for all permanent parking, access, and loading facilities. Decorative paving, colored concrete, and asphalt surfacing materials shall be used and shall conform to the city's adopted standards and requirements.	Remove requirement	The requirement will reduce the overall density such that the project is infeasible, and a waiver is needed to build the project as designed, including the affordable housing.	Tubular steel fence proposed around parking lot No enhanced paving proposed

Item	City Objective Design Standards	City Code	Description	Waiver Request	Justification	Proposed Design
26	2.3.1.2 Floor to Floor Height of Active Uses		Ground floor shall have a minimum floor-to floor height of 12'	Reduce to 10'	The requirement will reduce the overall density such that the project is infeasible, and a waiver is needed to compensate to build the project as designed, including the affordable housing.	10'-1"
27	2.7.1.2 Long-Term Bicycle Parking		At least one long-term bicycle storage space is required for each unit. 210 required	Reduce to 0.5/unit	The requirement will reduce the overall density such that the project is infeasible, and a waiver is needed to compensate to build the project as designed, including the affordable housing.	120 long-term bicycle parking spaces provided
28	3.1 Massing		Buildings shall employ the specified massing strategies of modulation, roof form, or projections	Remove requirement	The requirement will reduce the overall density such that the project is infeasible, and a waiver is needed to compensate to build the project as designed, including the affordable housing.	
29	3.2.1 Stepbacks		Buildings above 2 stories or 35' are required to have a minimum of 30% of the frontage stepped back a minimum of 10'.	Remove requirement	This waiver is required to fully maximize the ability to utilize the square footage of the building footprint in the second and third floors to make up for the loss of overall square footage of market rate homes in building affordable housing.	No stepbacks proposed.
30	3.4.2 End Units		Any building with the Primary Façade and building entry facing a street or pathway perpendicular to a public street r.o.w., private street, or publicly accessible pathway shall meet the following standards: 1. The end unit of a building façade shall have a fenestration area greater than 10% of the façade area. 2. The end unit facing a street shall have at least one architectural projection that projects a minimum of eighteen 18" from the street facing façade.	Remove requirement	The requirement will reduce the overall density such that the project is infeasible, and a waiver is needed to compensate to build the project as designed, including the affordable housing.	5% on the side elevation along a privvate side street. Project complies on main two frontages, along Mill Creek Drive & Ridge route Drive
31	3.5.1 Window Alignment		Windows in opposing units, facing each other and located within 40 feet of each other, shall be offset by a minimum 20 feet.	Remove requirement	Window Alignment and spacing from adjacent buildings make the required density physically infeasible and a waiver is needed to construct this project. The proposed reduced offset spacing allows us to achieve the higher density which will allow us to build affordable units.	Triplex units are 14' apart minimum; no window offset proposed. Duplex units are 6'-6" apart minimum, slight/no window offsets for duplex units.
32	3.9.1 Entrance Types		Primary building entrances for all residential buildings shall face a public sidewalk or publicly accessible pathway. Types of pedestrian entrance frontages specified shall be applied to buildings	Remove requirement	Entrance Types make the required density physically infeasible and a waiver is needed to construct this project. The proposed changes to the sidewalk requirements to primary buiding entrances will allow us to achieve a higher density which will allow us to build affordable units.	One duplex unit and one triplex unit per module face sideyards. None of the listed entrance frontages proposed.
33	3.9.3 Parking & Access		The garage door is required to be located a minimum of 1' behind the primary façade.	Remove requirement	Garage door requirement make the required density physically infeasible and a waiver is needed to construct this project. We need the additional acreage of developable site to maximize the number of residential units to be able to compensate for the loss of acreage of building affordable housing.	All duplex buildings have garage doors in front of the primary façade.
34		MXU Zoning 9-30.040 Development Standards	65' maximum building height	Increase to 85'	The requirement will reduce the overall density and needed to compensate for building affordable housing.	±85-0"

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UA DUET - LOT 1 - SFD, ATTACHED "A"

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UA TRIPLEX - LOT 2 - SFD, ATTACHED "B" & "C"

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UA DUPLEX - LOT 3 - SFD, ATTACHED "D"

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CIVIL

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TERRAVITA

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KINGSBARN REALTY CAPITAL

KELEMEN COMPANY



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DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1"= 50'-0" SCALE

0 50 100

NORTH

EXISTING CONDITIONS | EX

URBAN ARENA



TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

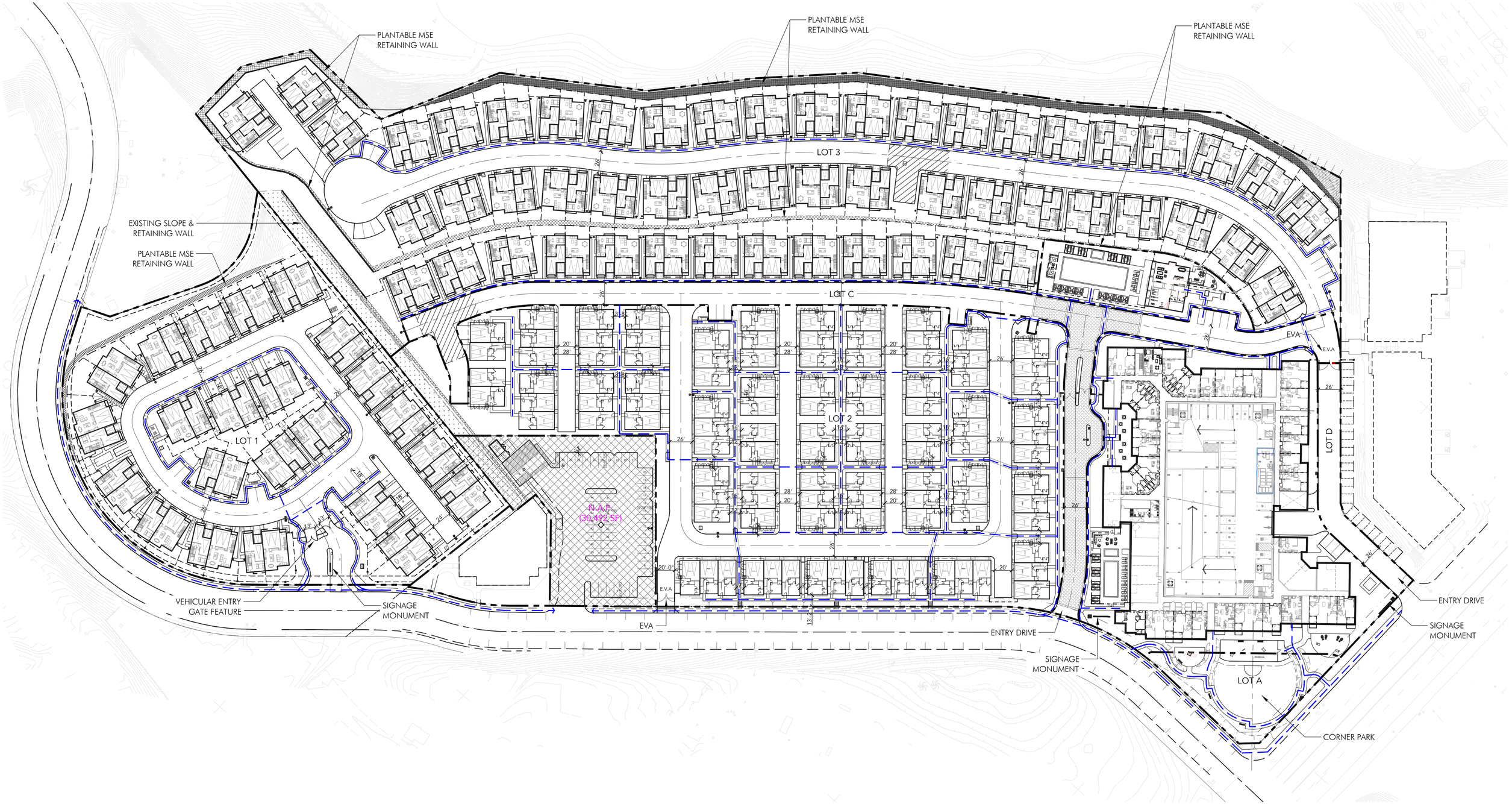
1"= 50'-0" SCALE

0 50 100

NORTH

ILLUSTRATIVE SITE PLAN | SP0

URBAN ARENA



ADA PATH OF TRAVEL

SEE SHEETS SP2 TO SP6 FOR 20 SCALE ENLARGEMENT PLANS

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

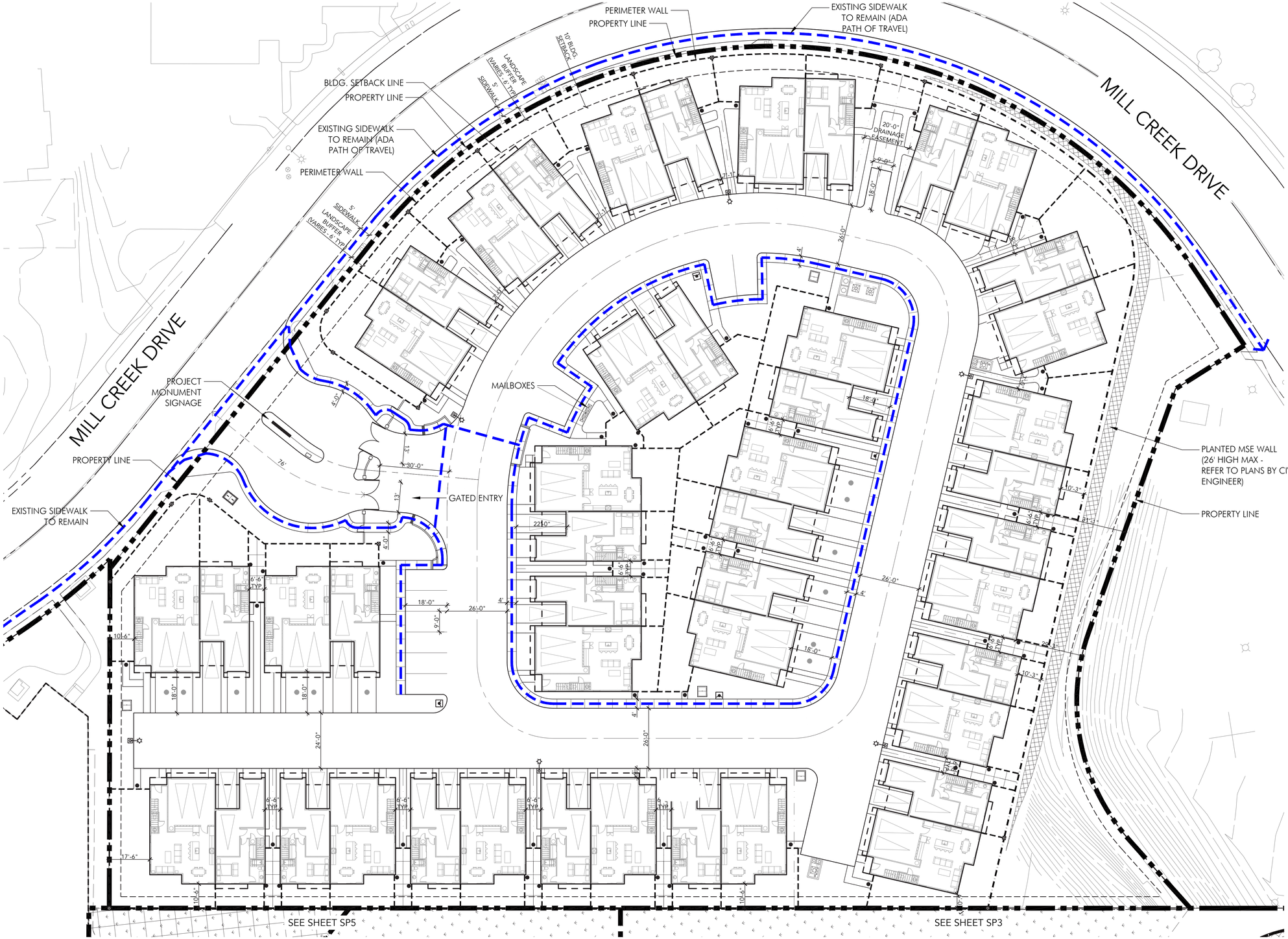
1"= 50'-0" SCALE

0 50 100

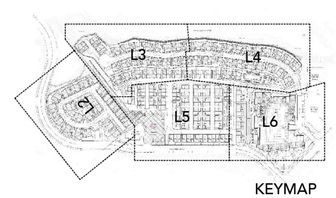
NORTH

OVERALL SITE PLAN | SP1

URBAN ARENA



ADA PATH OF TRAVEL



KEYMAP

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1"= 20'-0" SCALE

0 20 40

NORTH

PARTIAL SITE PLAN | SP2

URBAN ARENA



TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1"= 20'-0" SCALE

0 20 40

NORTH

PARTIAL SITE PLAN | SP3

URBAN ARENA

PLANTED MSE WALL
(REFER TO PLANS BY
CIVIL ENGINEER
FOR OVERALL HEIGHT)

EXISTING RESERVOIR

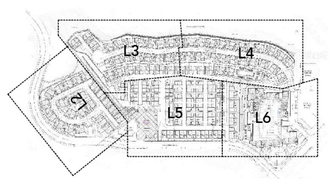
PLANTED MSE WALL
(REFER TO PLANS BY
CIVIL ENGINEER
FOR OVERALL HEIGHT)

SEE SHEET SP3

SEE SHEET SP5

SEE SHEET SP6

ADA PATH OF TRAVEL



KEYMAP

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1"= 20'-0" SCALE

0 20 40

NORTH

PARTIAL SITE PLAN | SP4

URBAN ARENA

SEE SHEET SP3

SEE SHEET SP4

SEE SHEET SP2

SEE SHEET SP6

PARKING LOT FOR EXISTING BLDG. (N.A.P.)

N.A.P. (30,492 SF)

EXISTING BLDG. (N.A.P.)

ADA PATH OF TRAVEL

KEYMAP

MILL CREEK DRIVE

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

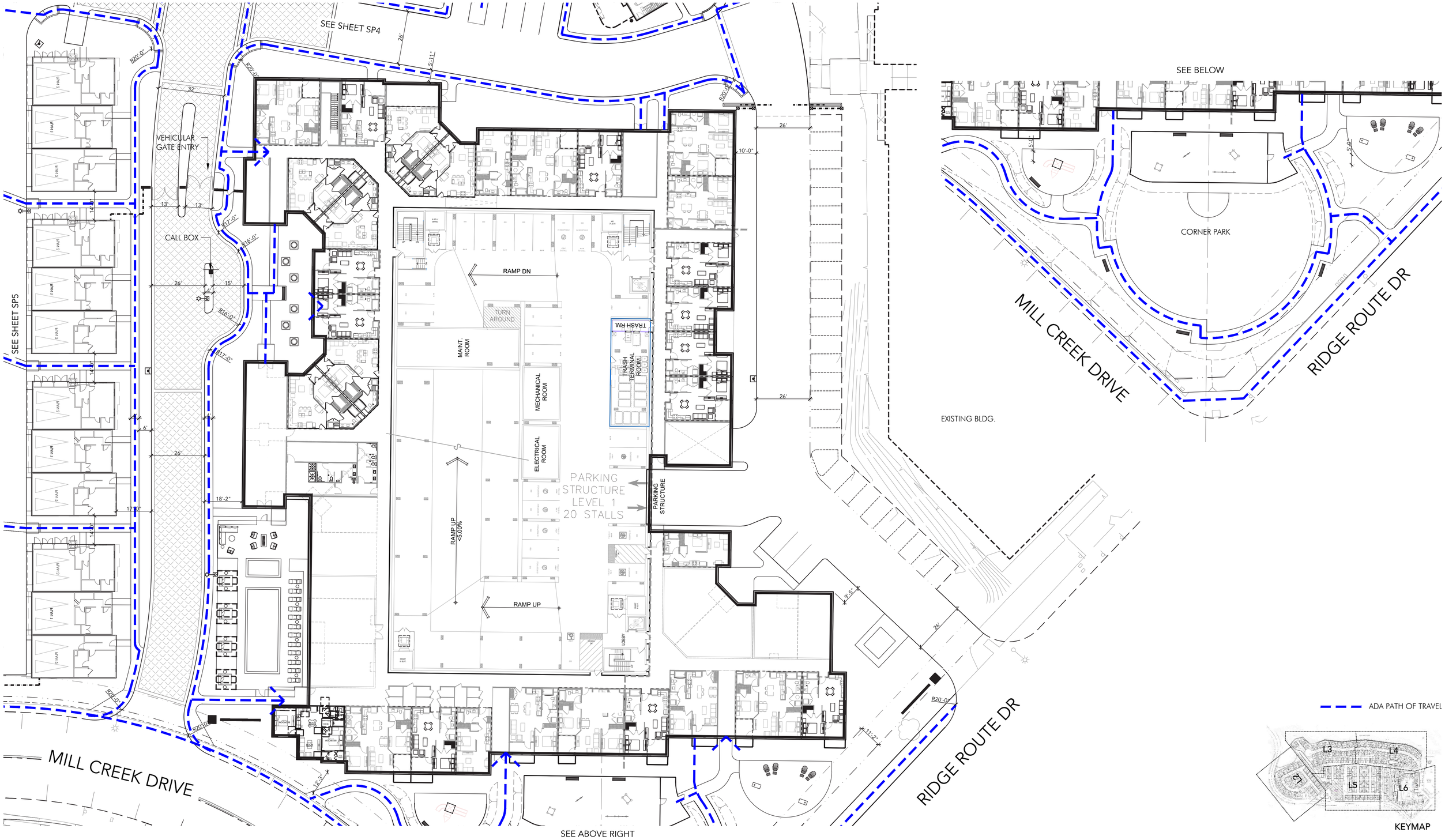
KELEMEN COMPANY

1"= 20'-0" SCALE

NORTH

PARTIAL SITE PLAN | SP5

URBAN ARENA



TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

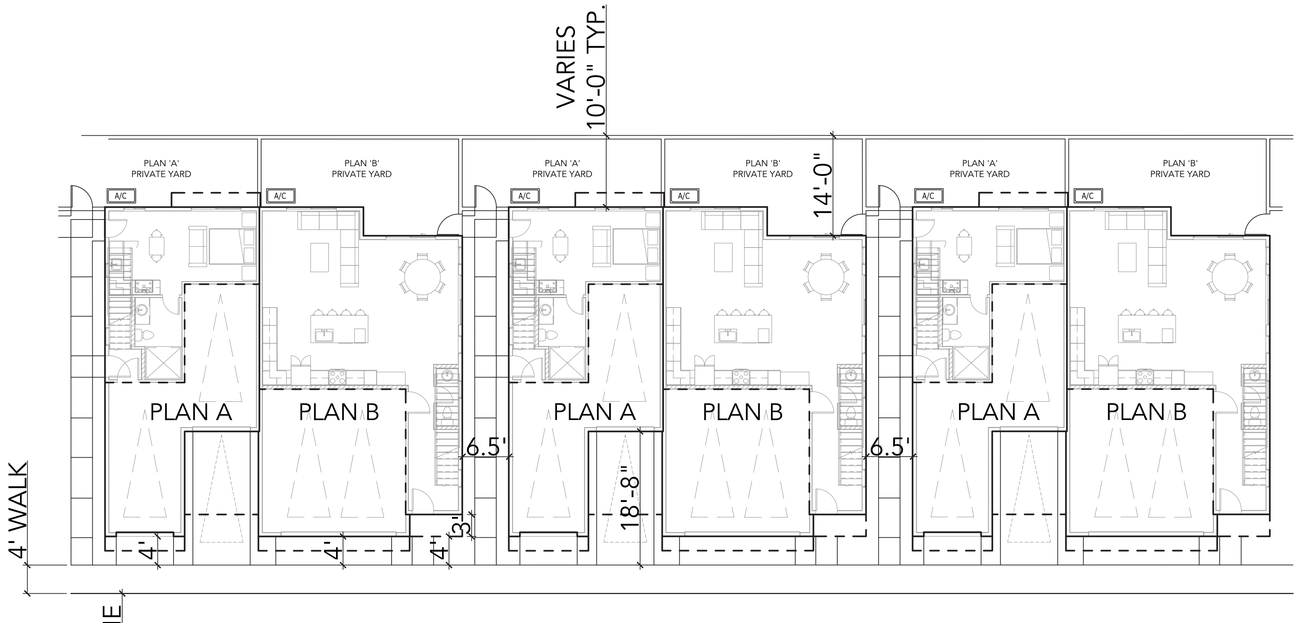
1"= 20'-0" SCALE

0 20 40

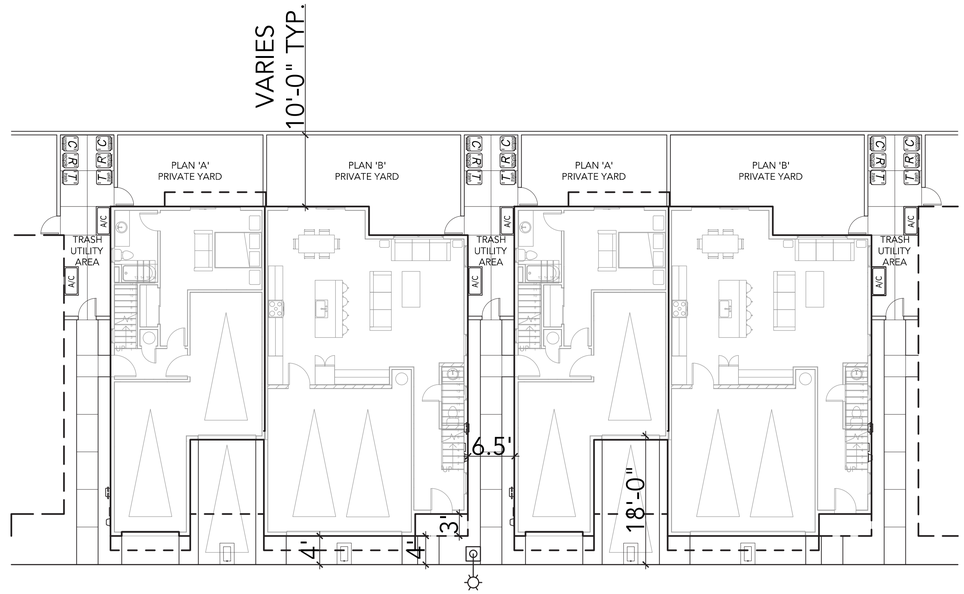
NORTH

PARTIAL SITE PLAN | SP6

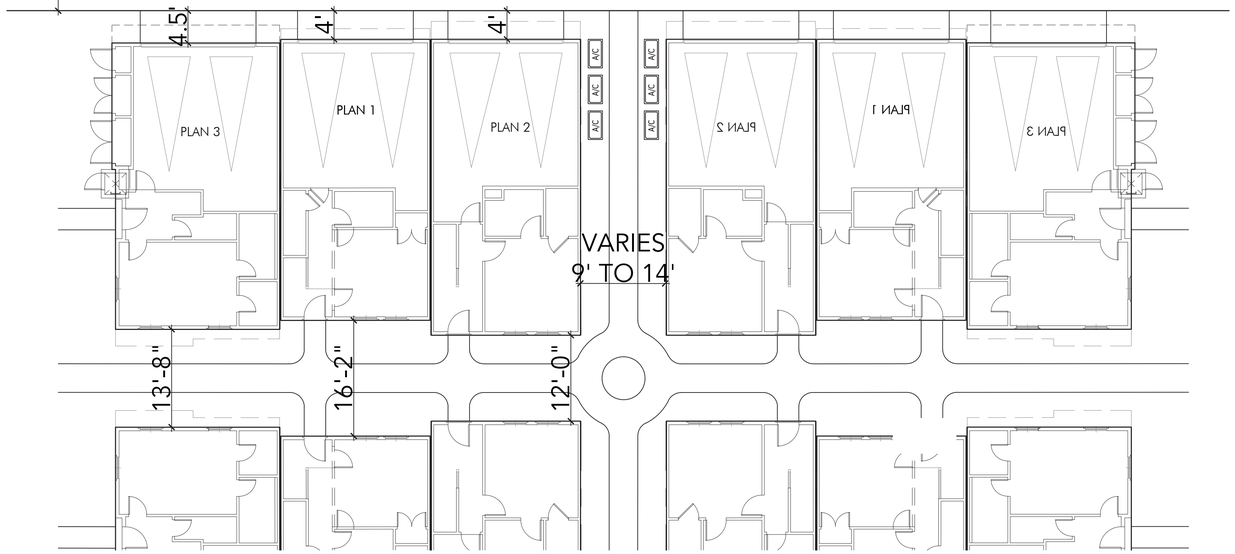
URBAN ARENA



TYPICAL DUPLEX LAYOUT
(UA SINGLE FAMILY ATTACHED "C")



TYPICAL DUET LAYOUT
(UA SINGLE FAMILY ATTACHED "A")



TYPICAL TRIPLEX LAYOUT
(UA SINGLE FAMILY ATTACHED "B")

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1"= 20'-0" SCALE

0 20 40

TYPICAL PROTOTYPE | SP7

URBAN ARENA

PLANTABLE MSE RETAINING WALL
EXISTING RESERVOIR
PLANTABLE MSE RETAINING WALL
EXISTING SLOPE
OPEN SPACE
EXISTING SLOPE
EXISTING SLOPE
LOT 3
EXISTING RETAINING WALL
PLANTABLE MSE RETAINING WALL
LOT B
LOT C
GATED ENTRY
ENTRY PARK
EVA
EVA
EXISTING BUILDING (N.A.P)
LOT 1
LOT 2
LOT 4
LOT D
EXISTING BUILDING (N.A.P.)
N.A.P (30,492 SF)
EXISTING BUILDING (N.A.P.)
EVA
VEHICULAR ENTRY GATE FEATURE
SIGNAGE MONUMENT
MILL CREEK DRIVE
ENTRY DRIVE
ENTRY DRIVE
SIGNAGE MONUMENT
SIGNAGE MONUMENT
LOT A
RIDGE ROUTE DRIVE
CORNER PARK

PLANT_SCHEDULE

SYMBOL	BOTANICAL / COMMON NAME	CONT
TREES		
	ARBUTUS UNEDO 'COMPACTA' / COMPACT STRAWBERRY TREE	24" BOX
	KOELREUTERIA BIPINNATA / CHINESE FLAME TREE	24" BOX
	LAGERSTROEMIA INDICA X FAURIEI 'NATCHEZ' / NATCHEZ CRAPE MYRTLE	36" BOX
	OLEA EUROPAEA / OLIVE MULTI-TRUNK	FIELD GROWN
	OLEA EUROPAEA 'SWAN HILL' / SWAN HILL FRUITLESS OLIVE	36" BOX
	PHOENIX DACTYLIFERA 'MEDJOOL' / MEDJOOL DATE PALM	18' BTH
	PINUS HALEPENSIS / ALLEPO PINE	24" BOX
	PLATANUS X ACERIFOLIA 'BLOODGOOD' / BLOODGOOD LONDON PLANE TREE	24" BOX
	PRUNUS CAROLINIANA 'COMPACTA' / COMPACT CAROLINA CHERRY LAUREL	24" BOX
	WASHINGTONIA ROBUSTA / MEXICAN FAN PALM	14' BTH

SYMBOL	BOTANICAL / COMMON NAME	CONT
SHRUBS		
	AGAVE SPP. / AGAVE	5 GAL
	ALOE SPP. / ALOE	5 GAL
	BACCHARIS PILULARIS / COYOTE BRUSH	5 GAL
	CALLISTEMON VIMINALIS 'LITTLE JOHN' / LITTLE JOHN WEEPING BOTTLEBRUSH	5 GAL
	CARISSA SPP. / NATAL PLUM	1 GAL
	CEANOTHUS GLORIOSUS / POINT REYES CEANOTHUS	5 GAL
	CISTUS SPP. / ROCKROSE	5 GAL
	DIANELLA SPP. / DIANELLA	5 GAL
	EUPHORBIA MILII 'REDI RED' / REDI RED CROWN OF THORNS	5 GAL
	HESPERALOE PARVIFLORA / RED YUCCA	5 GAL
	HETEROMELES ARBUTIFOLIA / TOYON	5 GAL
	ILEX VOMITORIA / YAUPON HOLLY	5 GAL
	LANTANA SPP. / LANTANA	5 GAL
	LIGUSTRUM JAPONICUM 'TEXANUM' / TEXAS JAPANESE PRIVET	5 GAL
	MUHLENBERGIA SPP. / MUHLY GRASS	5 GAL
	PODOCARPUS MACROPHYLLUS 'MAKI' / MAKI YEW PODOCARPUS	15 GAL
	RHAPHIOLEPIS 'MAJESTIC BEAUTY' / MAJESTIC BEAUTY INDIAN HAWTHORN	5 GAL
	RHAPHIOLEPIS UMBELLATA 'MINOR' / DWARF YEDDA HAWTHORN	5 GAL
	RHUS INTEGRIFOLIA / LEMONADE BERRY	5 GAL
	RHUS OVATA / SUGAR BUSH	3 GAL
	SALVIA SPP. / SAGE	5 GAL
	SENECIO SERPENS / BLUE CHALKSTICKS	1 GAL
	WESTRINGIA SPP. / COAST ROSEMARY	5 GAL

TERRAVITA

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KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

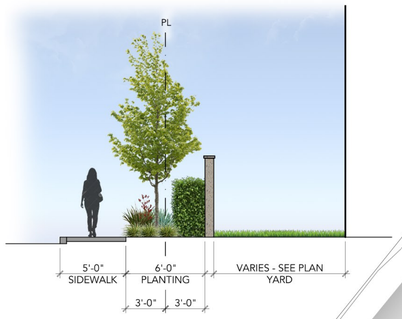
1"= 50'-0" SCALE

0 50 100

NORTH

OVERALL LANDSCAPE PLAN | L1

URBAN ARENA



SECTION A-A

CONCEPT PLANT SCHEDULE

STREET TREES
CHILOPSIS LINEARIS 'WARREN JONES' / WARREN JONES DESERT WILLOW
PINUS HALEPENSIS / ALLEPO PINE
PLATANUS X ACERIFOLIA 'BLOODGOOD' / BLOODGOOD LONDON PLANE TREE
X CHITALPA TASHKENTENSIS / CHITALPA

PASEO / COURTYARD TREES
HETEROMELES ARBUTIFOLIA / TOYON
PISTACIA X 'RED PUSH' / RED PUSH PISTACHE
PRUNUS ILICIFOLIA ILICIFOLIA / HOLLYLEAF CHERRY
RHUS LANCEA / AFRICAN SUMAC
TRISTANIA CONFERTA / BRISBANE BOX

ACCENT TREES
ARBUTUS UNEDO / STRAWBERRY TREE
ARBUTUS X 'MARINA' / MARINA STRAWBERRY TREE
CERCIDIUM X 'DESERT MUSEUM' / DESERT MUSEUM PALO VERDE
LAGERSTROEMIA INDICA X FAURIEI 'NATCHEZ' / NATCHEZ CRAPE MYRTLE

SPECIMEN TREES
OLEA EUROPAEA 'SWAN HILL' / SWAN HILL FRUITLESS OLIVE
QUERCUS AGRIFOLIA / COAST LIVE OAK
QUERCUS ILEX / HOLLY OAK
QUERCUS VIRGINIANA 'HERITAGE' / HERITAGE SOUTHERN LIVE OAK

SHADE TREES
KOELREUTERIA BIPINNATA / CHINESE FLAME TREE
PROSOPIS GLANDULOSA / HONEY MESQUITE
ULMUS PARVIFOLIA / LACEBARK ELM

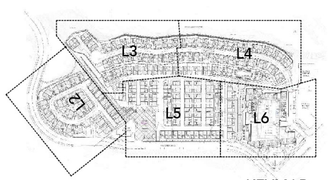
PALMS
PHOENIX DACTYLIFERA 'MEDJOOL' / MEDJOOL DATE PALM
WASHINGTONIA ROBUSTA / MEXICAN FAN PALM

ALLEY TREES
LAURUS X 'SARATOGA' / SARATOGA HYBRID LAUREL
MAGNOLIA GRANDIFLORA 'LITTLE GEM' / LITTLE GEM DWARF SOUTHERN MAGNOLIA
PRUNUS CAROLINIANA 'COMPACTA' / COMPACT CAROLINA CHERRY LAUREL

CONCEPT SHRUBS
AGAVE SPP. / AGAVE
ALOE SPP. / ALOE
BACCHARIS PILULARIS / COYOTE BRUSH
CALLIANDRA CALIFORNICA / RED BAJA FAIRY DUSTER
CALLIANDRA ERIOPHYLLA / FAIRY DUSTER
CALLISTEMON VIMINALIS 'LITTLE JOHN' / LITTLE JOHN WEEPING BOTTLEBRUSH
CAREX SPP. / CAREX
CEANOTHUS SPP. / CALIFORNIA LILAC
CISTUS SPP. / ROCKROSE
DASYLIRION WHEELERI / DESERT SPOON
DIANELLA SPP. / FLAX LILY
EUPHORBIA MILII 'REDI RED' / REDI RED CROWN OF THORNS
FEIJOA SELLOWIANA / PINEAPPLE GUAVA
FRANGULA CALIFORNICA / CALIFORNIA COFFEEBERRY
GREVILLEA X 'NOELLII' / NOEL GREVILLEA
HESPERALOE PARVIFLORA / RED YUCCA
HETEROMELES ARBUTIFOLIA / TOYON
ILEX VOMITORIA / YAUPON HOLLY
LANTANA SPP. / LANTANA
LAVANDULA SPP. / LAVENDER
LEUCOPHYLLUM FRUTESCENS / TEXAS SAGE
LIGUSTRUM JAPONICUM 'TEXANUM' / TEXAS JAPANESE PRIVET
LOMANDRA SPP. / MAT RUSH
MUHLENBERGIA RIGENS / DEER GRASS
OPUNTIA SANTA-RITA 'TUBAC' / SANTA RITA PRICKLY PEAR
PODOCARPUS MACROPHYLLUS 'MAKI' / MAKI YEW PODOCARPUS
RHAPHIOLEPIS SPP. / INDIAN HAWTHORN
RHUS INTEGRIFOLIA / LEMONADE BERRY
RHUS OVATA / SUGAR BUSH
SALVIA SPP. / SAGE
TEUCRIUM CHAMAEDRYS / GERMANDER
WESTRINGIA SPP. / COAST ROSEMARY

CONCEPT GROUNDCOVERS
BACCHARIS PILULARIS / COYOTE BRUSH
BACCHARIS X 'CENTENNIAL' / CENTENNIAL COYOTE BRUSH
CARISSA SPP. / NATAL PLUM
FESTUCA ARUNDINACEA 'MARATHON II' / MARATHON II FESCUE
LEYMUS CONDENSATUS 'CANYON PRINCE' / CANYON PRINCE GIANT WILD RYE
LONICERA JAPONICA / JAPANESE HONEYSUCKLE
MYOPORUM PARVIFOLIUM / TRAILING MYOPORUM
SALVIA ROSMARINUS 'PROSTRATUS' / PROSTATE ROSEMARY
SENECIO MANDRALISCAE / BLUE FINGERS
SENECIO SERPENS / BLUE CHALKSTICKS
TRACHELOSPERMUM JASMINOIDES / CHINESE STAR JASMINE

CONCEPT VINES
FICUS PUMILA / CREEPING FIG
MACFADYENA UNGUIS-CATI / CAT'S CLAW CREEPER
PARTHENOCISSUS TRICUSPIDATA / BOSTON IVY
TRACHELOSPERMUM JASMINOIDES / STAR JASMINE TRELLIS



KEYMAP

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1"= 20'-0" SCALE 0 20 40

NORTH

LANDSCAPE PLAN | L2

URBAN ARENA



SEE SHEET L2 FOR PLANTING LEGEND

KEYMAP

TERRAVITA

LAGUNA HILLS | CA

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DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1"= 20'-0" SCALE

0 20 40

NORTH

LANDSCAPE PLAN | L3

URBAN ARENA

PLANTED MSE WALL
(REFER TO PLANS BY
CIVIL ENGINEER
FOR OVERALL HEIGHT)

EXISTING RESERVOIR

PLANTED MSE WALL
(REFER TO PLANS BY
CIVIL ENGINEER
FOR OVERALL HEIGHT)

LOT 3

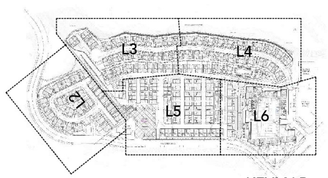
LOT C

SEE SHEET L5

SEE SHEET L6

COMMUNITY POOL
SEE ENLARGEMENT PLAN
SHEET L8

SEE SHEET L2 FOR PLANTING LEGEND



KEYMAP

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KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1"= 20'-0" SCALE

0 20 40

NORTH

LANDSCAPE PLAN | L4

URBAN ARENA

SEE SHEET L3

SEE SHEET L4

SEE SHEET L6

LOT 2

PARKING LOT (N.A.P.)

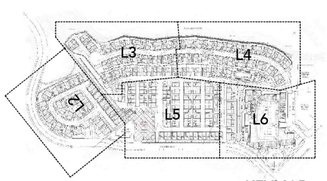
N.A.P. (30,492 SF)

EXISTING BLDG. (N.A.P.)

E.V.A

MILL CREEK DRIVE

SEE SHEET L2 FOR PLANTING LEGEND



KEYMAP

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1"= 20'-0" SCALE

0 20 40

NORTH

LANDSCAPE PLAN | L5

URBAN ARENA

SEE SHEET L4

VEHICULAR GATE ENTRY

E.V.A

CALL BOX

SEE SHEET L5

LOT D

EXISTING BLDG.

RAMP DN

TURN AROUND

MAINT. ROOM

MECHANICAL ROOM

TRASH TERMINAL ROOM

TRASH RM.

ELECTRICAL ROOM

PARKING STRUCTURE

PARKING STRUCTURE LEVEL 1 20 STALLS

COURTYARDS SEE ENLARGEMENT PLAN SHEET L9

RAMP UP <5.00%

LOBBY

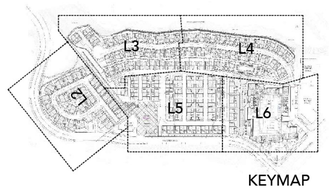
PLAN 2

MILL CREEK DRIVE

RIDGE ROUTE DR

CORNER PARK SEE ENLARGEMENT PLAN - SHEET L7

SEE SHEET L2 FOR PLANTING LEGEND



KEYMAP

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KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1"= 20'-0" SCALE

0 20 40

NORTH

LANDSCAPE PLAN | L6

URBAN ARENA



CORNER PARK

1. TOT LOT
2. BENCH
3. STAGE
4. OUTDOOR SEATING
5. OPEN PLAY TURF AREA
6. SIDEWALK
7. DOG PARK
8. 42" TALL FENCE AND GATE

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

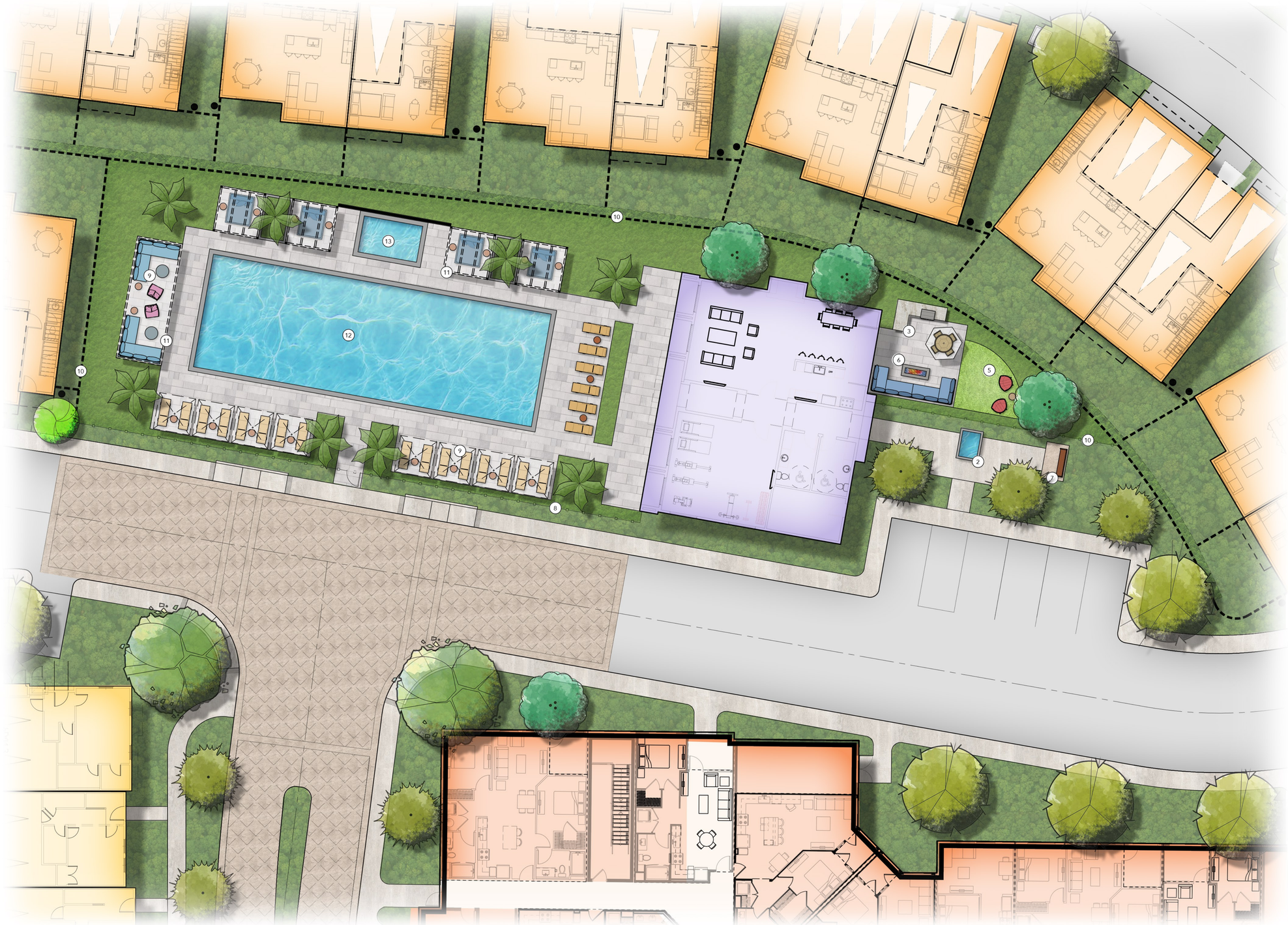
1"= 10'-0" SCALE

0 10 20

NORTH

CORNER PARK | L7

URBAN ARENA



1. ADJACENT PERIMETER WALL
2. FOUNTAIN
3. OUTDOOR BBQ / DINING AREA
4. OUTDOOR SEATING
5. TURF PLAY AREA
6. FIRE PIT LOUNGE
7. BENCH
8. POOL FENCE & GATE
9. LOUNGE SEATING
10. PERIMETER FENCE / WALL
11. CABANA
12. POOL
13. SPA

TERRAVITA

LAGUNA HILLS | CA

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KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1"= 10'-0" SCALE

0 10 20

NORTH

PARKS | L8

URBAN ARENA



1. DECORATIVE POT ON TOP OF LOW PEDESTAL
2. LOUNGE SEATING
3. FIRE PIT
4. CABANA
5. SIDEWALK
6. CALL BOX
7. VEHICULAR GATE
8. PEDESTRIAN GATE & FENCING ENCLOSURE
9. POOL
10. SPA
11. FENCE & GATE
12. MONUMENT SIGNAGE

MULTI FAMILY BLDG. COURTYARDS & ENTRY DRIVE

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

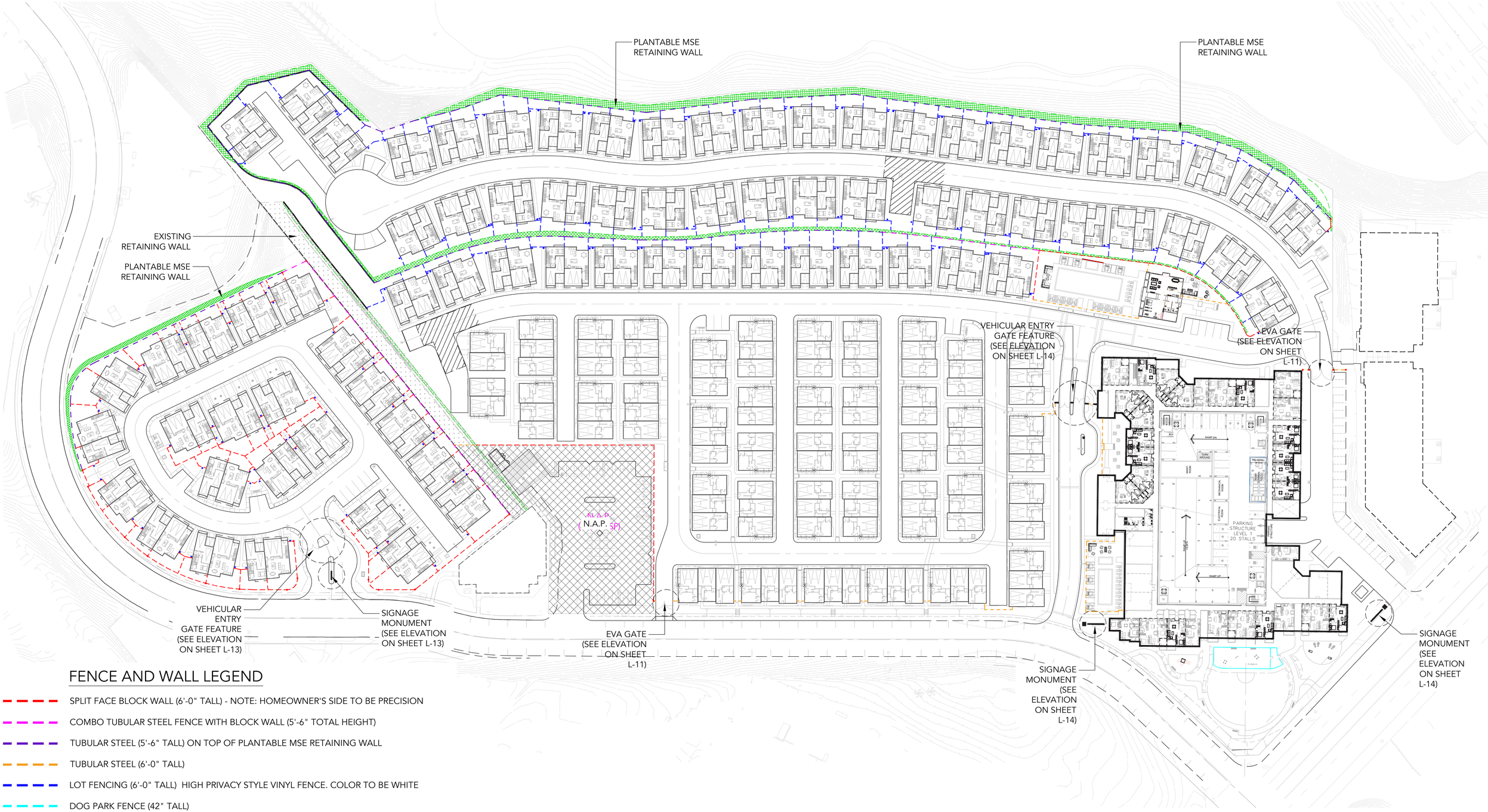
1"= 10'-0" SCALE

0 10 20

NORTH

COURTYARD | L9

URBAN ARENA



FENCE AND WALL LEGEND

- SPLIT FACE BLOCK WALL (6'-0" TALL) - NOTE: HOMEOWNER'S SIDE TO BE PRECISION
- COMBO TUBULAR STEEL FENCE WITH BLOCK WALL (5'-6" TOTAL HEIGHT)
- TUBULAR STEEL (5'-6" TALL) ON TOP OF PLANTABLE MSE RETAINING WALL
- TUBULAR STEEL (6'-0" TALL)
- LOT FENCING (6'-0" TALL) HIGH PRIVACY STYLE VINYL FENCE. COLOR TO BE WHITE
- DOG PARK FENCE (42" TALL)
- SIDE YARD ACCESS GATE LOCATION
- PLANTABLE MSE RETAINING WALL - SEE PLANS BY CIVIL ENGINEER

TERRAVITA

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KELEMEN COMPANY

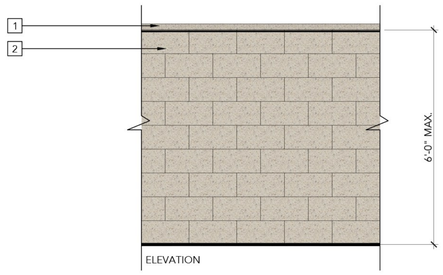
1"= 50'-0" SCALE

0 50 100

NORTH

FENCE & WALL PLAN | L10

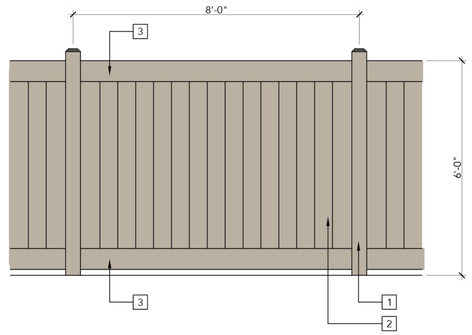
URBAN ARENA



1 SPLIT-FACE CAP
2 ONE-SIDED SIDE SPLIT-FACE BLOCK

C.M.U. SPLIT-FACE BLOCK WALL

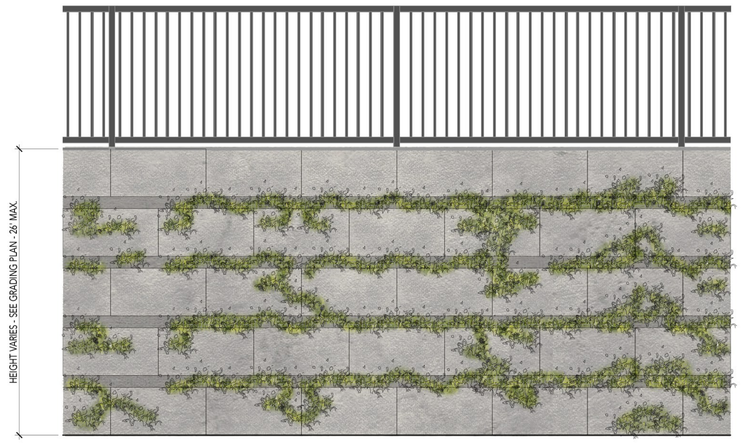
1/2" = 1'-0"



1 5"X 5" ALUMINUM POST WITH VINYL SLEEVE
2 6" TONGUE & GROOVE VINYL PLANK
3 2"X 7" ALUMINUM TOP & BOTTOM RAIL WITH VINYL SLEEVE

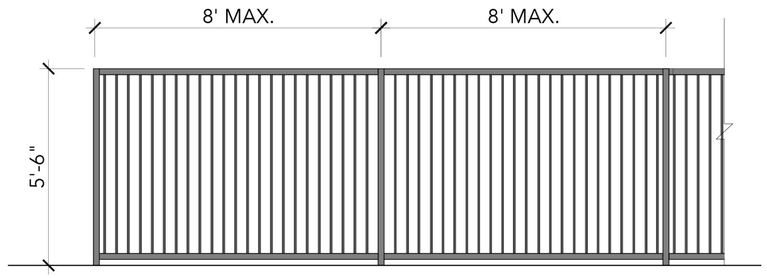
VINYL PRIVACY FENCE

1/2" = 1'-0"



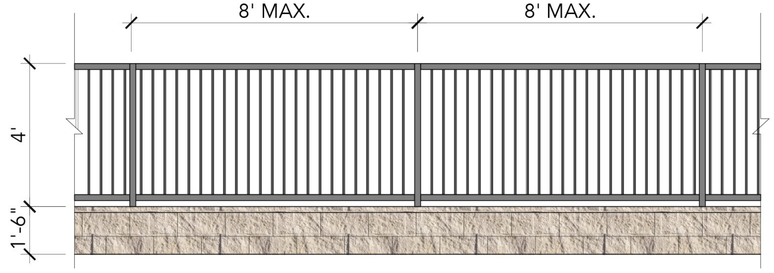
PLANTABLE MSE RETAINING WALL

1/2" = 1'-0"



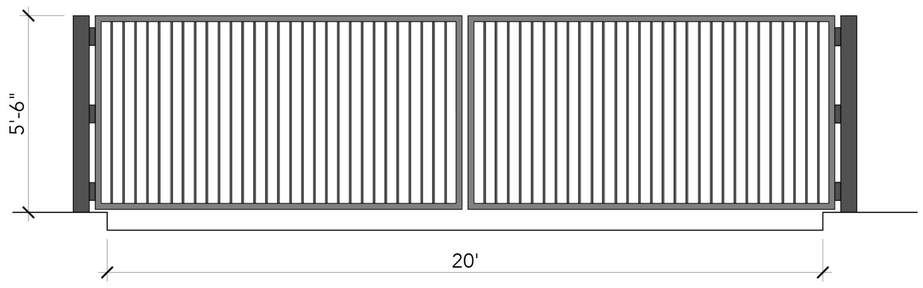
TUBULAR STEEL FENCE

1/2" = 1'-0"



COMBO TUBULAR STEEL FENCE WITH LOW BLOCK WALL BELOW

1/2" = 1'-0"



EVA GATE

1/2" = 1'-0"

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KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

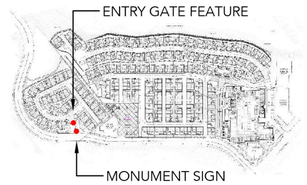
1/2"= 1'-0" SCALE

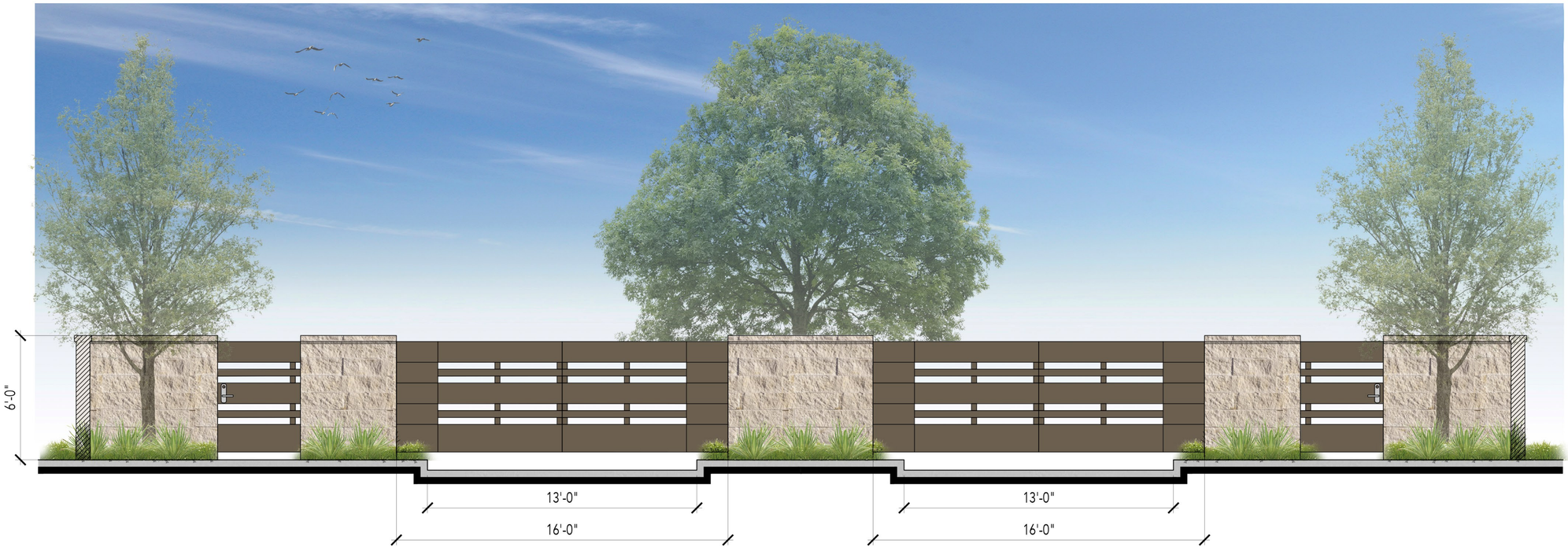
0 2 4

FENCE & WALL ELEVATIONS | L11

URBAN ARENA







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KINGSBARN REALTY CAPITAL | 23-109

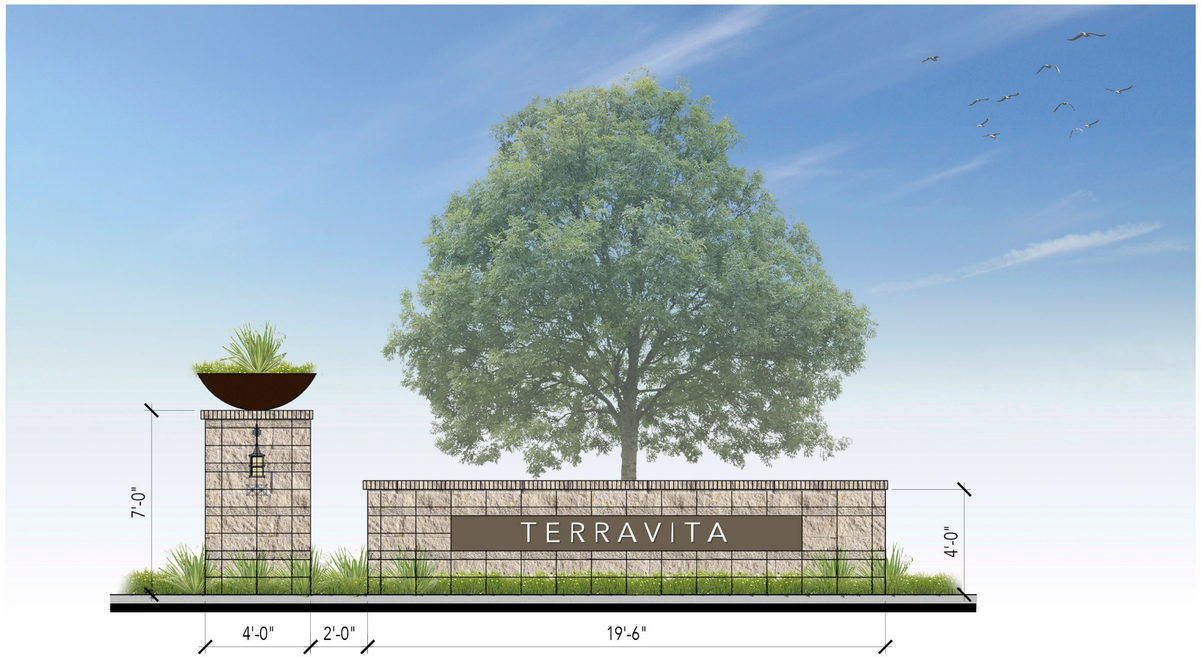
DATE 12 | 16 | 25

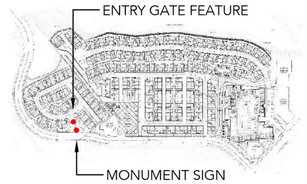
KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

MONUMENT SIGNAGE & ENTRY FEATURE | L12

URBAN ARENA







TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

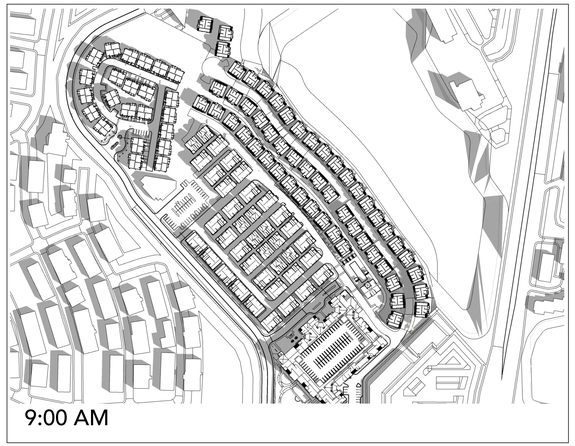
KINGSBARN REALTY CAPITAL

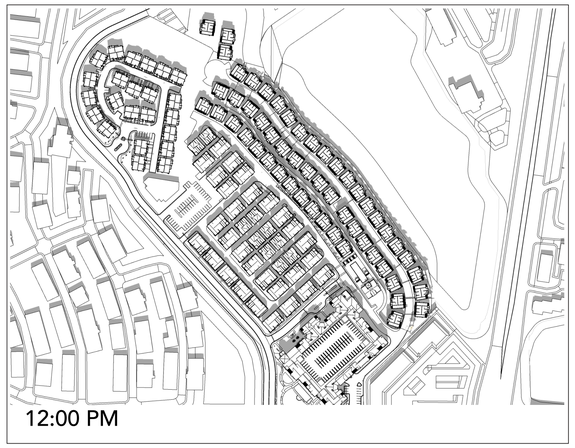
KELEMEN COMPANY

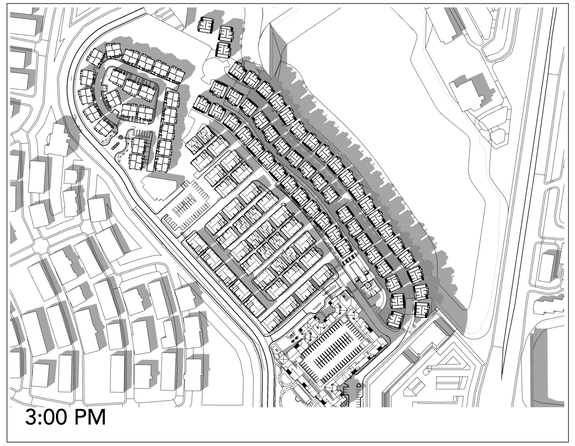
MONUMENT SIGNAGE & ENTRY FEATURE | L13

URBAN ARENA

MARCH







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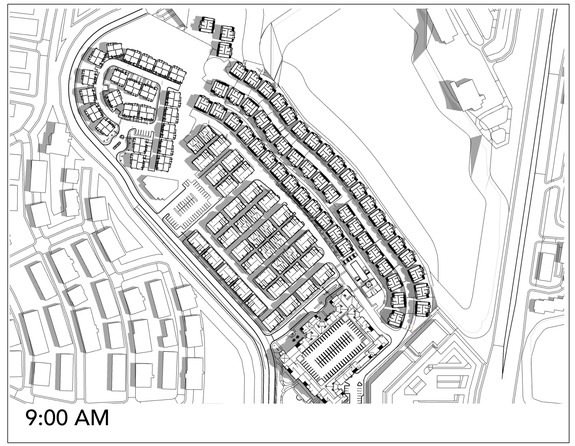

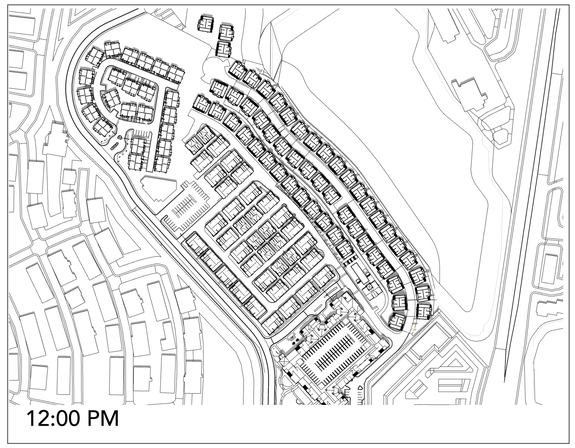

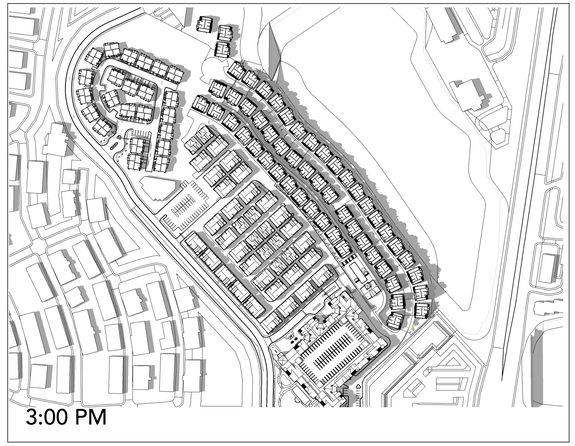

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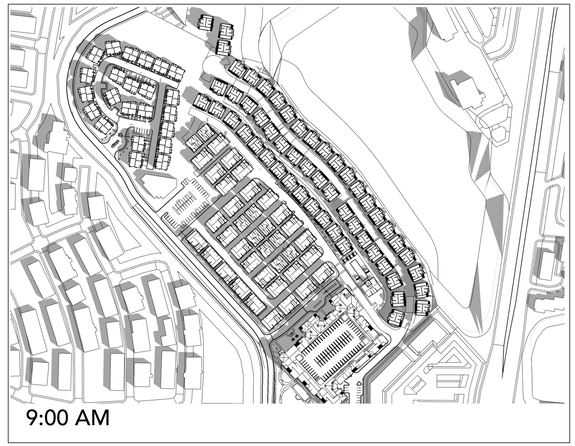

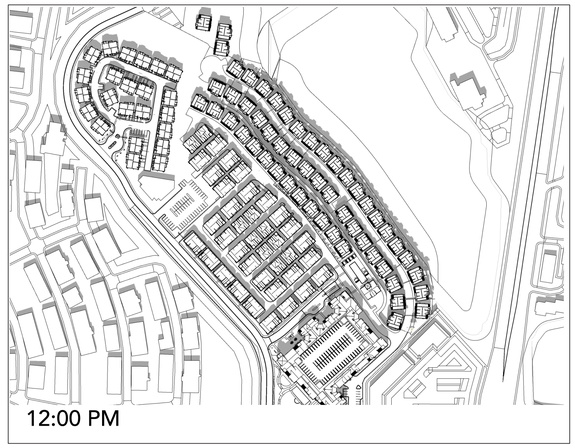

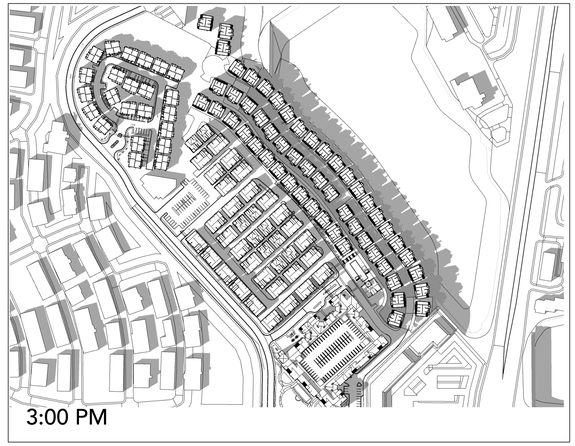

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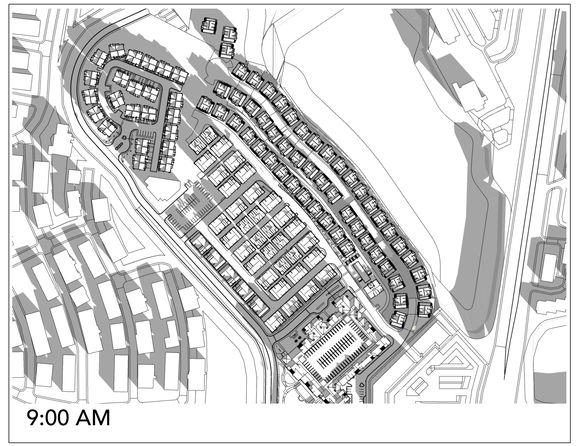
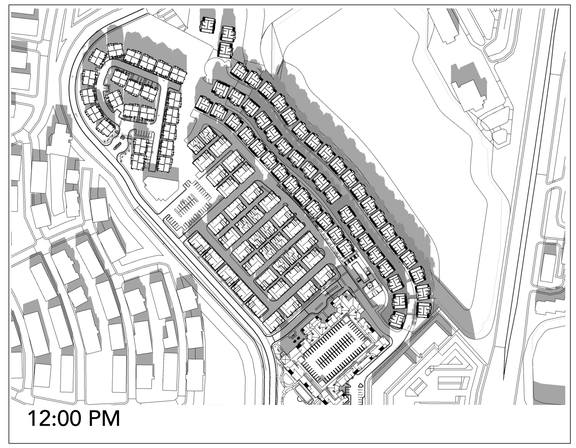






TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

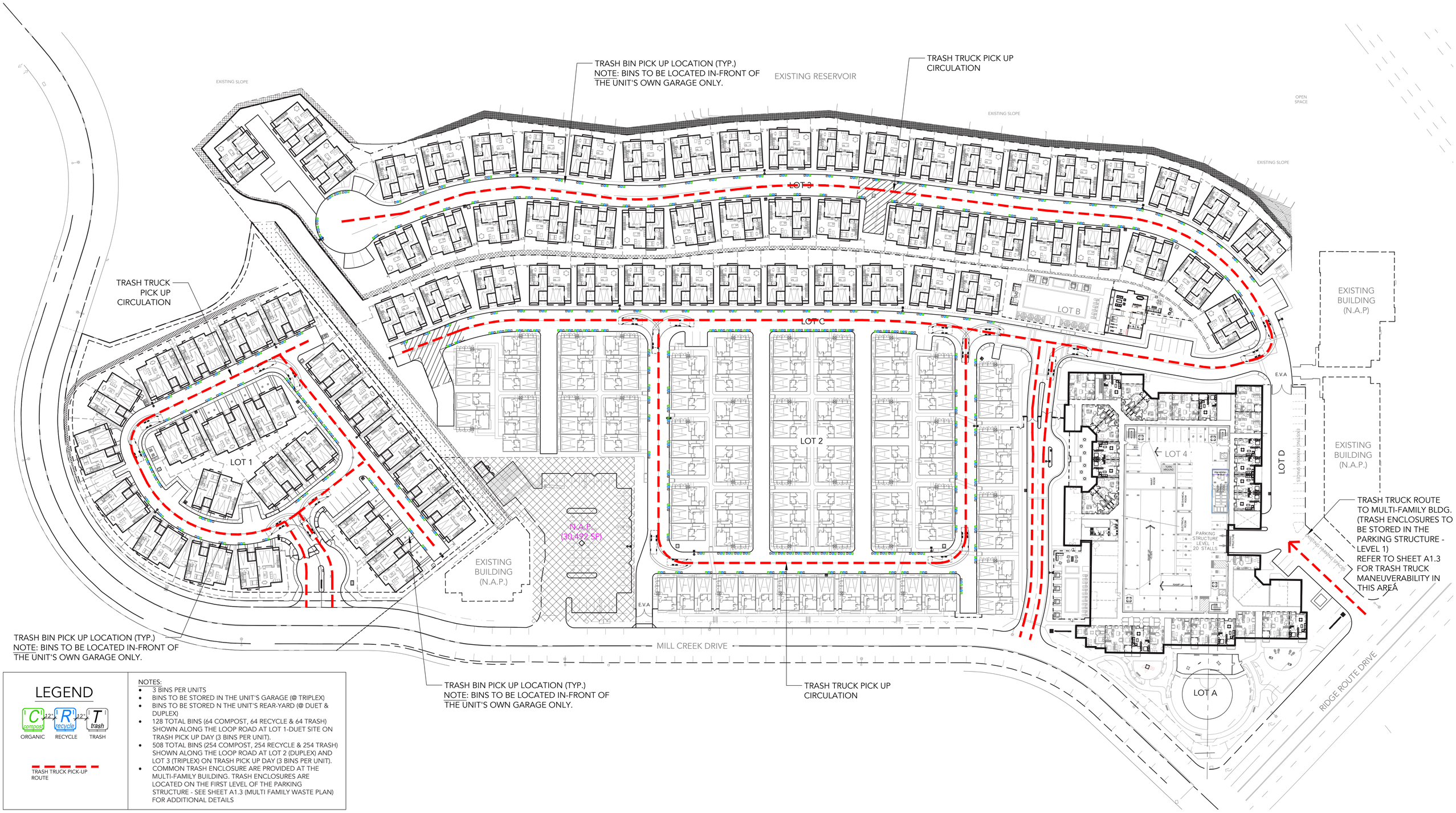
KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

NORTH

SUN/ SHADE STUDY | L14

URBAN ARENA



LEGEND

C compost 12" R recycle 12" T trash

ORGANIC RECYCLE TRASH

TRASH TRUCK PICK-UP ROUTE

NOTES:

- 3 BINS PER UNITS
- BINS TO BE STORED IN THE UNIT'S GARAGE (@ TRIPLEX)
- BINS TO BE STORED N THE UNIT'S REAR-YARD (@ DUET & DUPLEX)
- 128 TOTAL BINS (64 COMPOST, 64 RECYCLE & 64 TRASH) SHOWN ALONG THE LOOP ROAD AT LOT 1-DUET SITE ON TRASH PICK UP DAY (3 BINS PER UNIT).
- 508 TOTAL BINS (254 COMPOST, 254 RECYCLE & 254 TRASH) SHOWN ALONG THE LOOP ROAD AT LOT 2 (DUPLEX) AND LOT 3 (TRIPLEX) ON TRASH PICK UP DAY (3 BINS PER UNIT).
- COMMON TRASH ENCLOSURE ARE PROVIDED AT THE MULTI-FAMILY BUILDING. TRASH ENCLOSURES ARE LOCATED ON THE FIRST LEVEL OF THE PARKING STRUCTURE - SEE SHEET A1.3 (MULTI FAMILY WASTE PLAN) FOR ADDITIONAL DETAILS

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

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KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

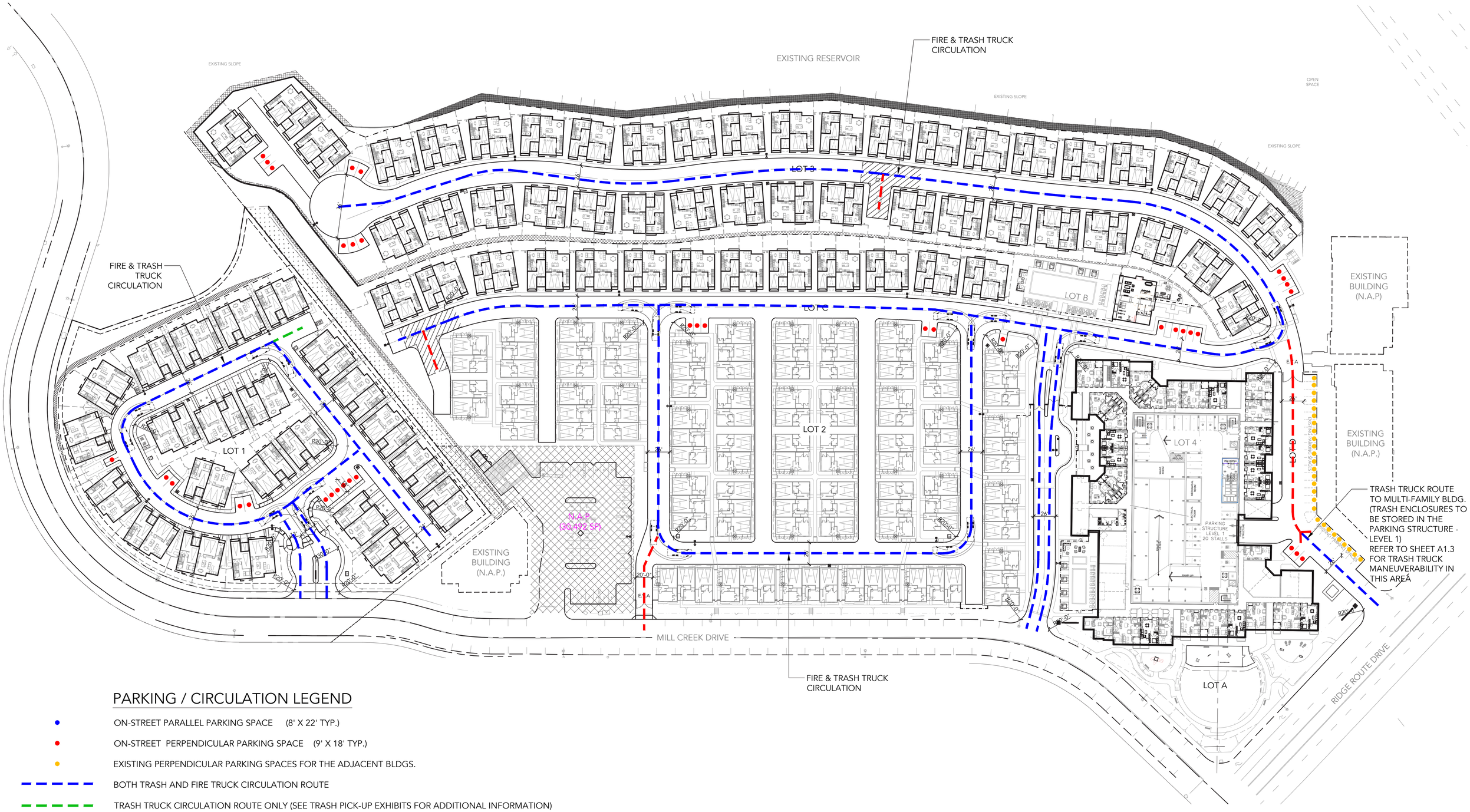
1"= 50'-0" SCALE

0 50 100

NORTH

TRASH P/U EXHIBIT | L15

URBAN ARENA



PARKING / CIRCULATION LEGEND

- ON-STREET PARALLEL PARKING SPACE (8' X 22' TYP.)
- ON-STREET PERPENDICULAR PARKING SPACE (9' X 18' TYP.)
- EXISTING PERPENDICULAR PARKING SPACES FOR THE ADJACENT BLDGS.
- BOTH TRASH AND FIRE TRUCK CIRCULATION ROUTE
- TRASH TRUCK CIRCULATION ROUTE ONLY (SEE TRASH PICK-UP EXHIBITS FOR ADDITIONAL INFORMATION)
- FIRE TRUCK CIRCULATION ROUTE ONLY (SEE FIRE ACCESS PLANS FOR ADDITIONAL INFORMATION)

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

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KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1"= 50'-0" SCALE

0 50 100

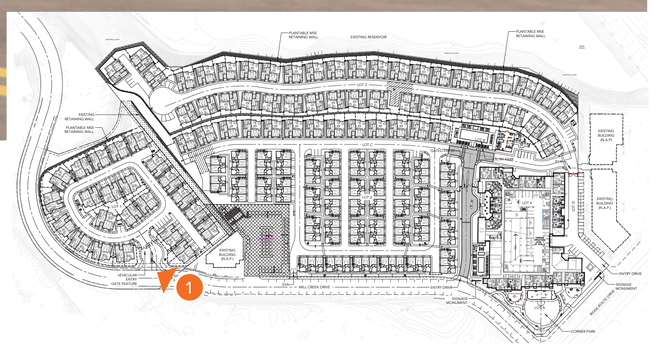
NORTH

CIRCULATION STUDY | L16

URBAN ARENA



1



KEY MAP

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

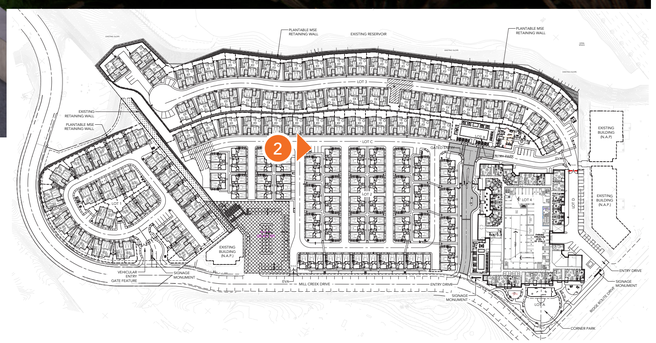
KELEMEN COMPANY

SITE PERSPECTIVE RENDERINGS | L17

URBAN ARENA



2



KEY MAP

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

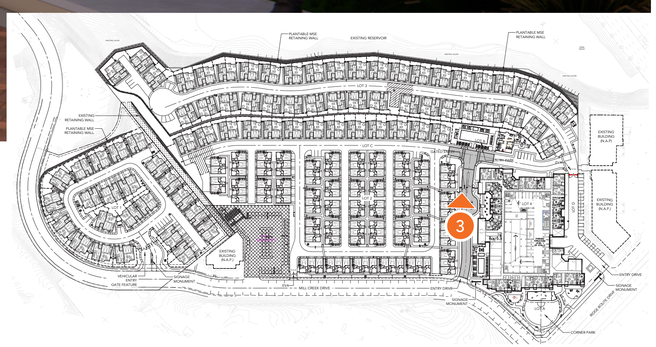
KELEMEN COMPANY

SITE PERSPECTIVE RENDERINGS | L18

URBAN ARENA



3



KEY MAP

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

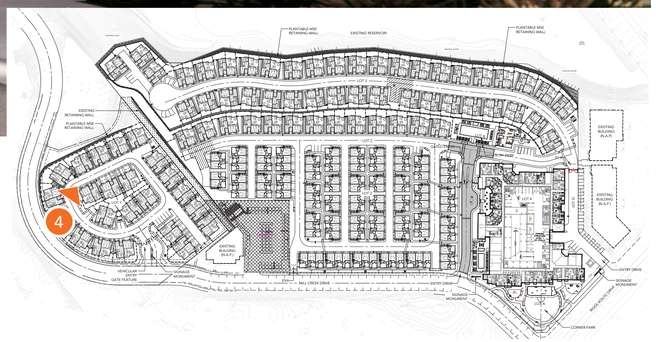
KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

SITE PERSPECTIVE RENDERINGS | L19

URBAN ARENA

4



KEY MAP

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

SITE PERSPECTIVE RENDERINGS | L20

URBAN ARENA



KEY MAP

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

3D MODEL PERSPECTIVE | L21

URBAN ARENA



KEY MAP

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

3D MODEL PERSPECTIVE | L22

URBAN ARENA



TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

3D MODEL PERSPECTIVE | L23

URBAN ARENA

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

LOT 1 - SFD, ATTACHED “A”
DUET COVER SHEET | A1

URBAN ARENA

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

LOT 1 - SFD, ATTACHED “A”
DUET SCHEME 1 FRONT PERSPECTIVE | A2

URBAN ARENA

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

LOT 1 - SFD, ATTACHED “A”
DUET SCHEME 2 FRONT PERSPECTIVE | A3

URBAN ARENA

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

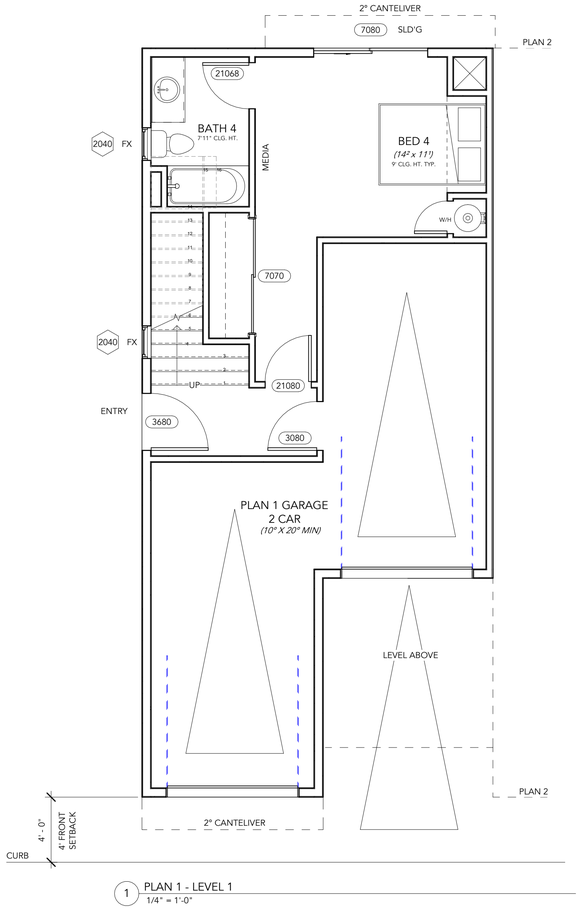
DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

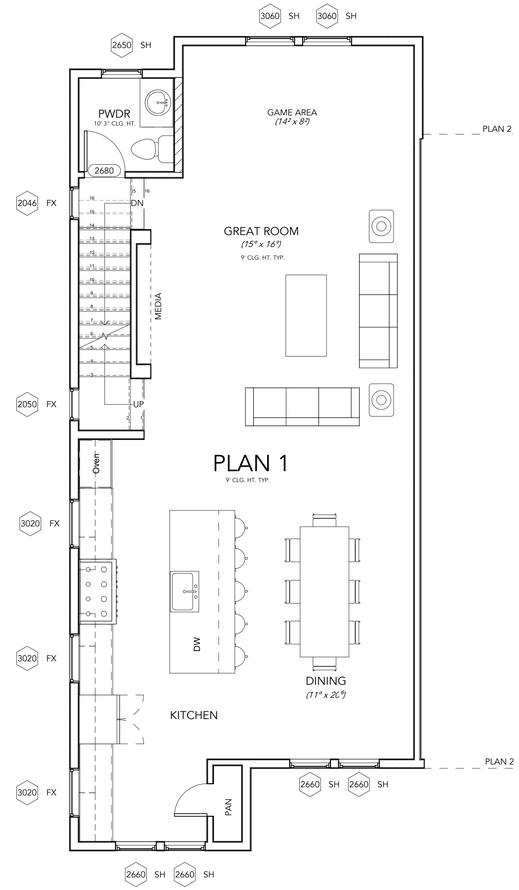
KELEMEN COMPANY

LOT 1 - SFD, ATTACHED “A”
DUET REAR PERSPECTIVE | A4

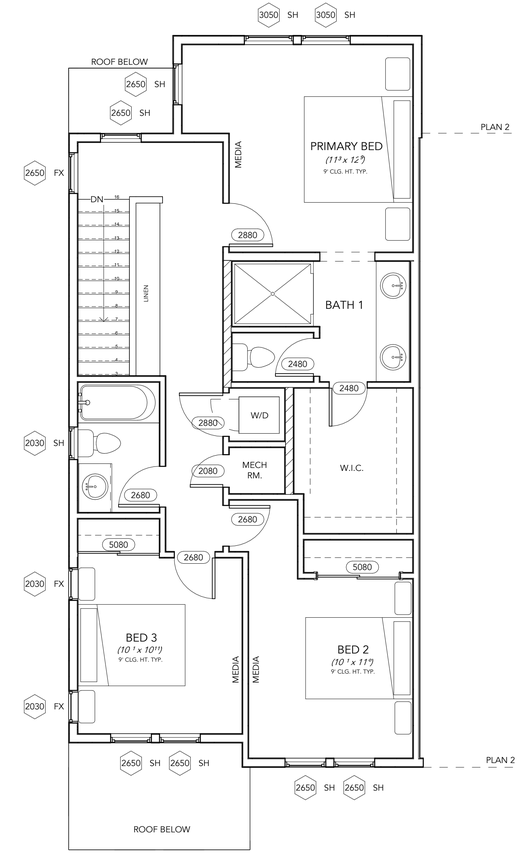
URBAN ARENA



1 PLAN 1 - LEVEL 1
1/4" = 1'-0"



2 PLAN 1 - LEVEL 2
1/4" = 1'-0"



3 PLAN 1- LEVEL 3
1/4" = 1'-0"

PLAN 1
2,328 SF GROSS

PLAN 1 • 4 BR/3.5 BA - NET SQFT	
PLAN 1 • FIRST FLOOR NET	364 SF
PLAN 1 • SECOND FLOOR NET	939 SF
PLAN 1 • THIRD FLOOR NET	818 SF
PLAN 1 • TOTAL	2121 SF

PLAN 1 • 2-CAR GARAGE NET	404 SF

PLAN 1 • 4 BR/3.5 BA - GROSS SQFT	
PLAN 1 • FIRST FLOOR GROSS	404 SF
PLAN 1 • SECOND FLOOR GROSS	1010 SF
PLAN 1 • THIRD FLOOR GROSS	915 SF
PLAN 1 • TOTAL	2328 SF

TERRAVITA
LAGUNA HILLS | CA
KINGSBARN REALTY CAPITAL | 23-109
DATE 12 | 16 | 25

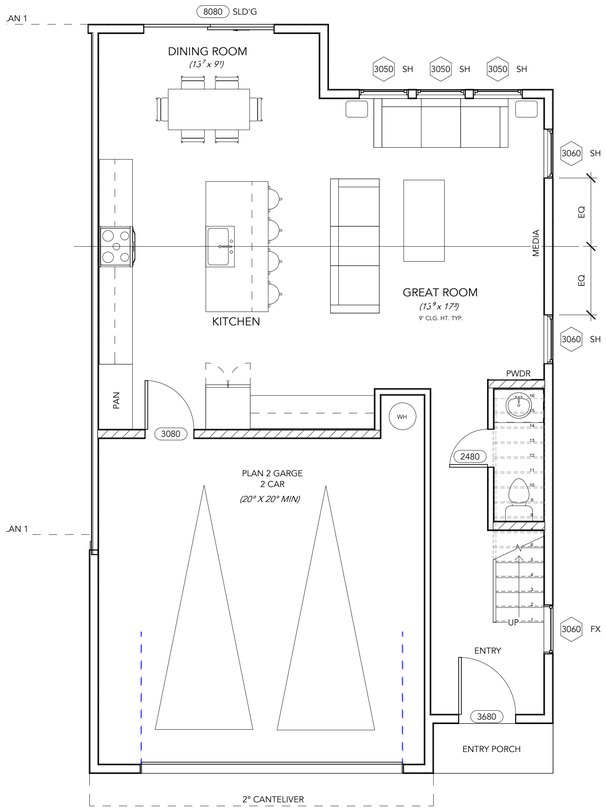
KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

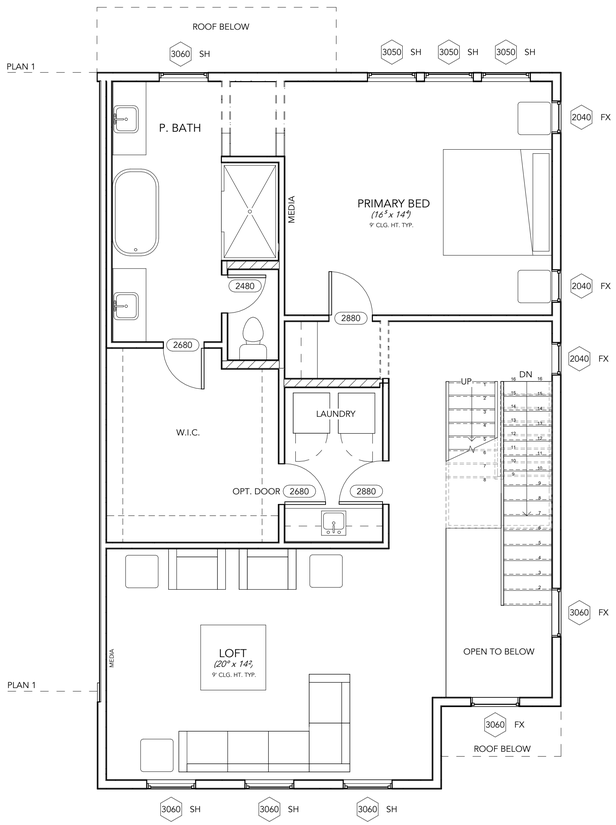
1/4" - 1' - 0" SCALE
0 4 8

LOT 1 - SFD, ATTACHED "A"
DUET FLOOR PLAN 1 | A5

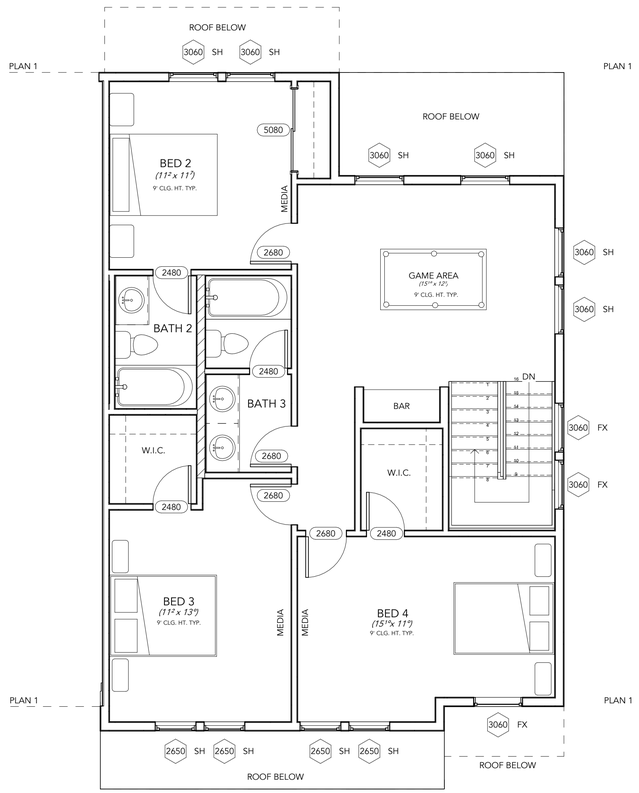
URBAN ARENA



1 PLAN 2 - LEVEL 1
1/4" = 1'-0"



2 PLAN 2 - LEVEL 2
1/4" = 1'-0"



3 PLAN 2 - LEVEL 3
1/4" = 1'-0"

PLAN 2
3,054 SF GROSS

PLAN 2 • 4 BR/3.5 BA - NET SQFT	
PLAN 2 • FIRST FLOOR NET	723 SF
PLAN 2 • SECOND FLOOR NET	1068 SF
PLAN 2 • THIRD FLOOR NET	947 SF
PLAN 2 • TOTAL	2738 SF

PLAN 2 • 2-CAR GARAGE NET	407 SF
PLAN 2 • ENTRY PORCH	22 SF

PLAN 2 • 4 BR/3.5 BA - GROSS SQFT	
PLAN 2 • FIRST FLOOR GROSS	797 SF
PLAN 2 • SECOND FLOOR GROSS	1209 SF
PLAN 2 • THIRD FLOOR GROSS	1047 SF
PLAN 2 • TOTAL	3054 SF

TERRAVITA
LAGUNA HILLS | CA
KINGSBARN REALTY CAPITAL | 23-109
DATE 12 | 16 | 25

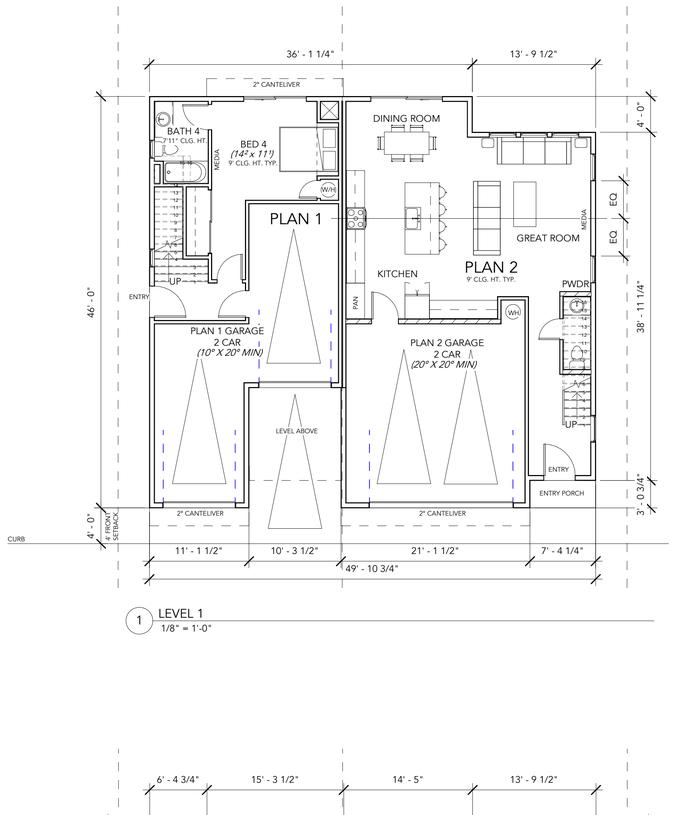
KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

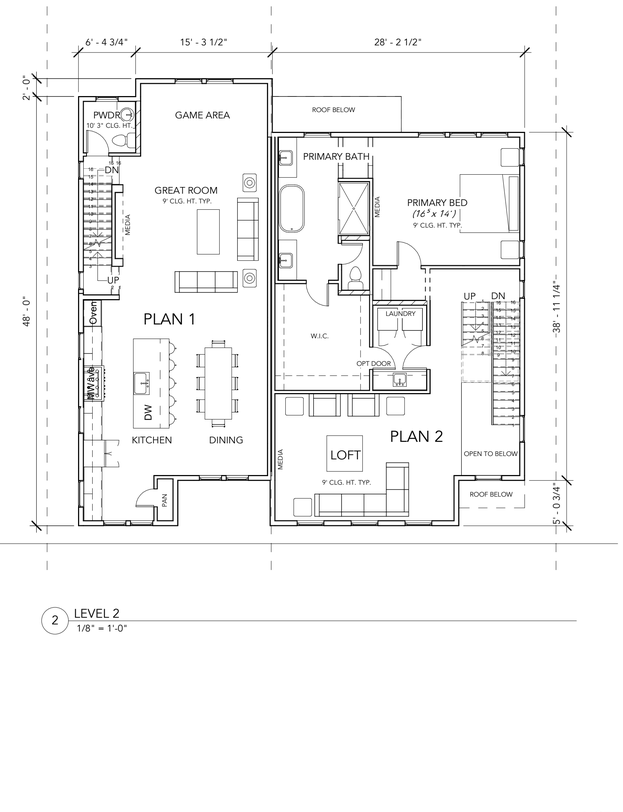
1/4" - 1' - 0" SCALE
0 4 8

LOT 1 - SFD, ATTACHED "A"
DUET FLOOR PLAN 2 | A6

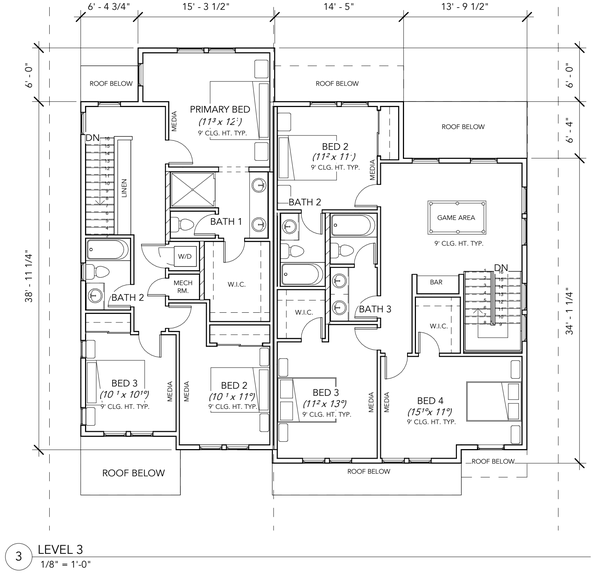
URBAN ARENA



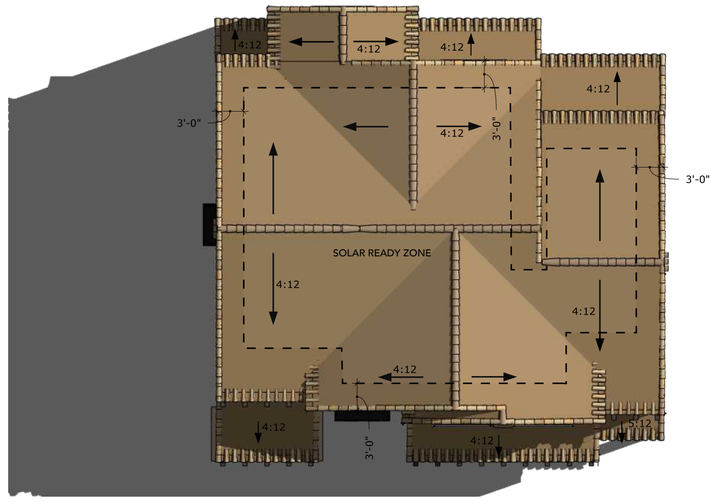
1 LEVEL 1
1/8" = 1'-0"



2 LEVEL 2
1/8" = 1'-0"



3 LEVEL 3
1/8" = 1'-0"



ROOF PLAN
*SEE PAGE A17 - A20 FOR ROOFING MATERIAL

NOTES:

*CONCEPTUAL SOLAR AREA SHOWN. ACTUAL LOCATION MAY VARY BASED ON OPTIMAL SOLAR ORIENTATION FOR EACH BUILDING

*SOLAR PANEL SYSTEM TO ATTACH TO ROOF STRUCTURE

EST. SOLAR AREA
=1,238 SF

EST. SYSTEM SIZE
1,238 SF X 0.018 KW/SF X 50% = 11.1 KW

TERRAVITA

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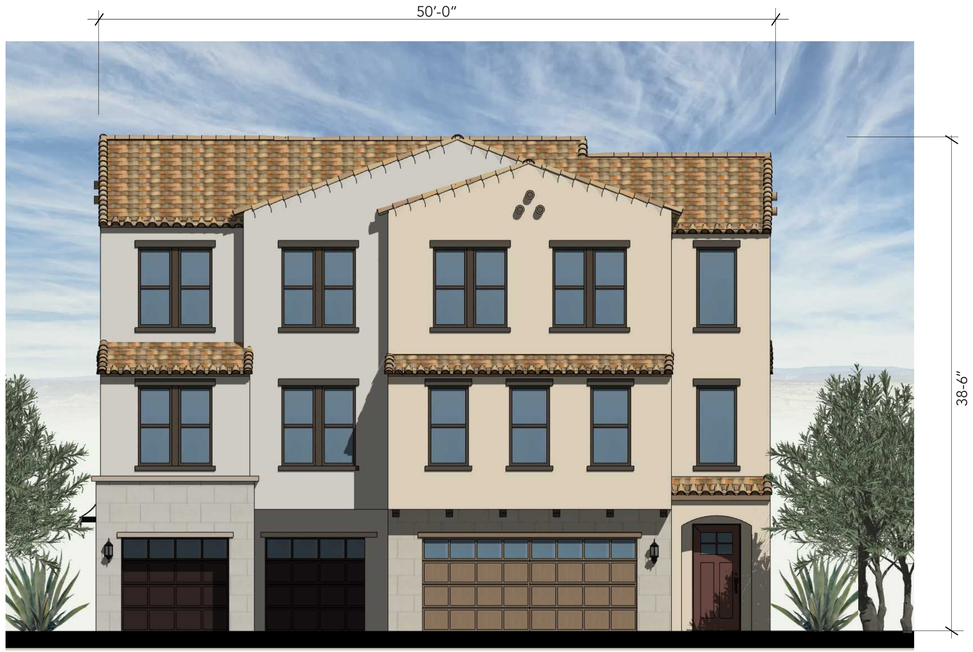
KELEMEN COMPANY

1/8" - 1' - 0" SCALE
0 8 16

LOT 1 - SFD, ATTACHED "A"
DUET COMPOSITE PLANS | A7

URBAN ARENA



FRONT ELEVATION



LEFT ELEVATION



RIGHT ELEVATION



REAR ELEVATION

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

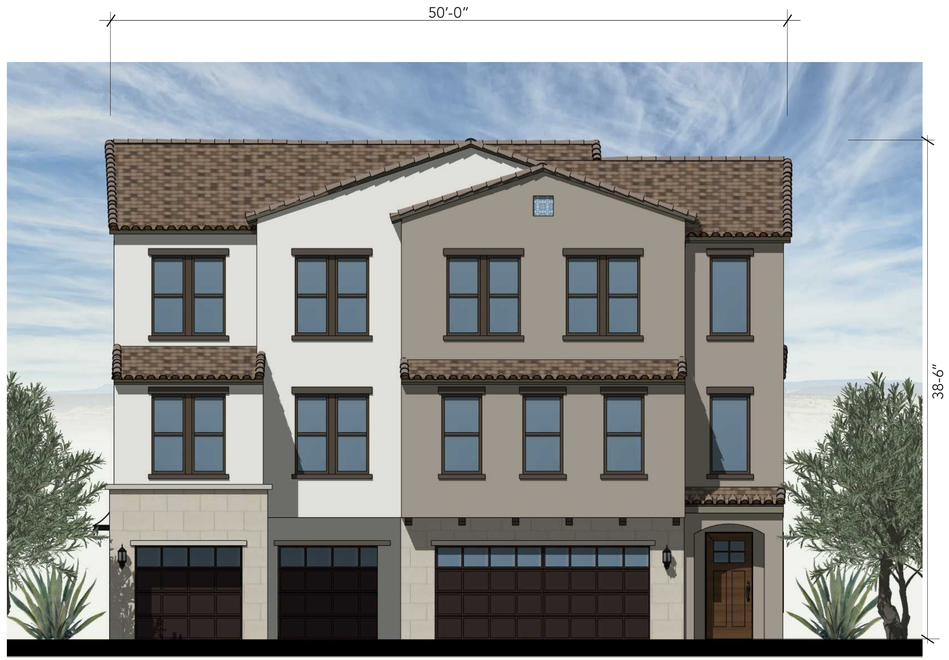
1/4" - 1' - 0" SCALE

0 4 8

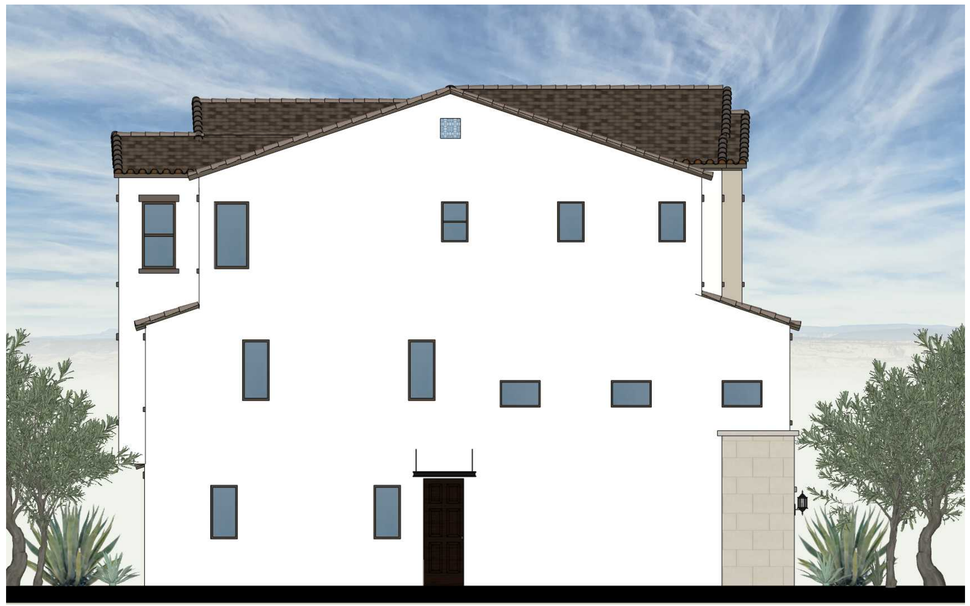
LOT 1 - SFD, ATTACHED "A"

DUET SCHEME 1 ELEVATIONS | A8

URBAN ARENA



FRONT ELEVATION



LEFT ELEVATION



RIGHT ELEVATION



REAR ELEVATION

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

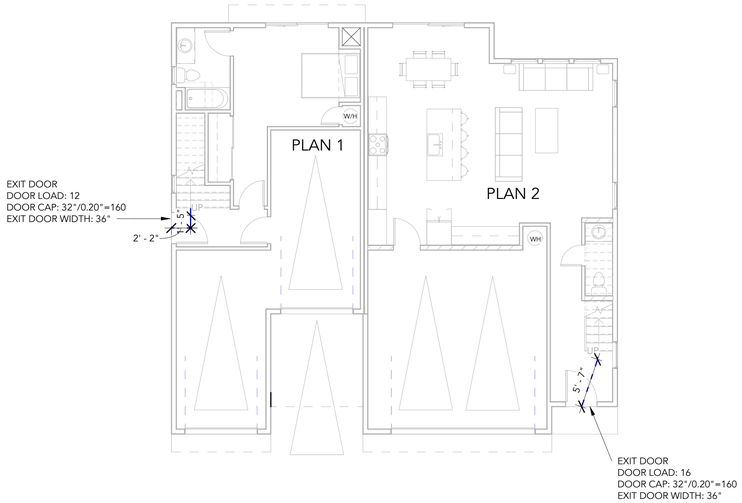
KELEMEN COMPANY

1/4" - 1' - 0" SCALE

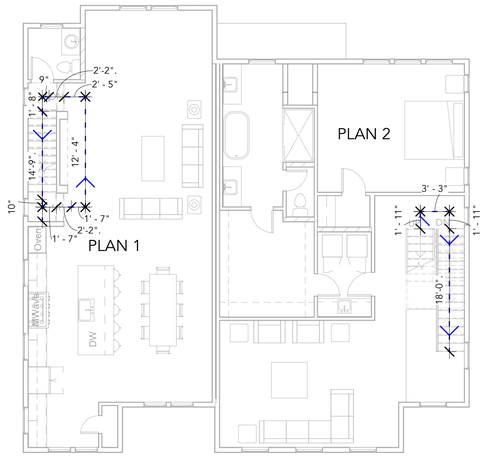
0 4 8

LOT 1 - SFD, ATTACHED "A"
DUET SCHEME 2 ELEVATIONS | A9

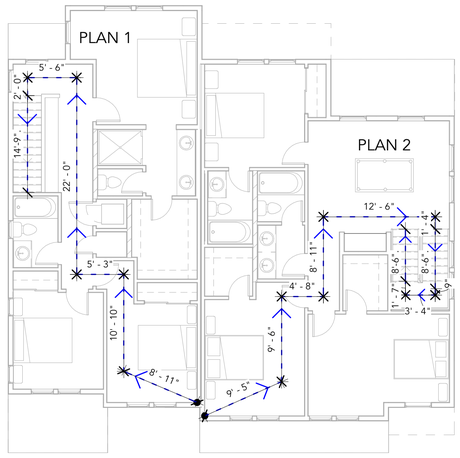
URBAN ARENA



1 LEVEL 1 - EGRESS PATH
1/8" = 1'-0"



2 LEVEL 2 - EGRESS PATH
1/8" = 1'-0"



3 LEVEL 3 - EGRESS PATH

EXIT TRAVEL DISTANCES

PLAN 1

LEVEL 1	69' 3"
LEVEL 2	40' 3"
LEVEL 3	3' 7"
TOTAL	**113' 1"**

PLAN 2

LEVEL 1	69' 0"
LEVEL 2	25' 1"
LEVEL 3	5 ' 7"
TOTAL	**99' 8"**

BUILDING CODE ANALYSIS:	3-STORY TYPE R-3 DUPLEX CRC
OCCUPANCY GROUP:	
SINGLE FAMILY DWELLING:	R-3 CRC
ATT'D GARAGE/CARPORT:	U
TYPE OF CONSTRUCTION: (CBC CH 6)	
SINGLE FAMILY DWELLING:	V-B
ATT'D GARAGE/CAR PORT:	V-B
FIRE SPRINKLERS:	NFPA 13D SPRINKLERS (CBC SECTION 903, CRC R309, & CRC R313)
ALLOWABLE HEIGHT: (LHMC TABLE 9-30.040 MXU ZONING)	35 FT. MAXIMUM
ALLOWABLE STORIES: (CRC SECTION 301.2.2.7)	3 STORIES
EXITING:	
MAXIMUM OCCUPANT LOAD OF SPACE: (CBC SECTION 1004.5) OCCUPANT LOAD FACTOR: 200 SF / PERSON	
	PLAN 1 ACTUAL OCCUPANT LOAD: 12 OCCUPANTS
	PLAN 2 ACTUAL OCCUPANT LOAD: 16 OCCUPANTS
MEANS OF EGRESS SIZING: (CBC SECTION 1005 & 1010)	
STAIRWAY CAPACITY FACTOR: 0.3	PLAN 1 REQURIED STAIR WIDTH: 36 IN MIN. PER CBC SECTION 1011.2
	PLAN 2 REQUIRED STAIR WIDTH: 36 IN MIN. PER CBC SECTION 1011.2
DOORWAY CAPACTITY FACTOR: 0.2	PLAN 1 REQURIED DOOR WIDTH: 32 IN MIN. PER CBC SECTION 1010.1.1
	PLAN 2 REQUIRED DOOR WIDTH: 32 IN MIN. PER CBC SECTION 1010.1.1
SEPARATIONS: (CRC SECTION 302)	SEPARATIONS: (CRC SECTION R302)
	NOTES: CRC R302.2 WALLS SEPERATING TOWNHOUSE UNITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION R302.2.1 OR R302.2.2 AND SHALL COMPLY WITH SECTIONS R302.2.3 THROUGH R302.2.5 CRC R302.2.6 EACH TOWNHOME SHALL BE STRUCTURALLY INDEPENDENT

ALLOWABLE BUILDING AREA:

BUILDING TYPE	OCCUPANCY	CONSTRUCTION TYPE	ALLOWABLE NUMBER OF STORIES (CRC SECTION 301.2.2.7)	ACTUAL BUILDING AREA 1ST FLOOR S.F. R3	ACTUAL BUILDING AREA 2ND FLOOR S.F. R3	ACTUAL BUILDING AREA 3RD FLOOR S.F. R3	ACTUAL BUILDING GARAGE S.F. U	DECK & TERRACE	MAX. BUILDING HEIGHT (LHMC TABLE 9-30.040 MXU ZONING)	ACTUAL BUILDING HEIGHT	TOTAL ACTUAL BUILDING AREA S.F. R3	ACTUAL BUILDING AREA S.F. R3+U	FIRE WALL REQUIRED
DUET - 3 STORY - PLAN 1	R-3 / U	TYPA VB	3	404	1010	915	448	NONE	35'-0"	38'-6"	2328	2776	NO
DUET - 3 STORY - PLAN 2	R-3 / U	TYPA VB	3	797	1209	1047	429	NONE			3054	3483	NO
TOTAL				1201	2219	1962	877				5382	6259	

ALLOWABLE BUILDING AREA: OPT. BALCONY

BUILDING TYPE	OCCUPANCY	CONSTRUCTION TYPE	ALLOWABLE NUMBER OF STORIES (CRC SECTION 301.2.2.7)	ACTUAL BUILDING AREA 1ST FLOOR S.F. R3	ACTUAL BUILDING AREA 2ND FLOOR S.F. R3	ACTUAL BUILDING AREA 3RD FLOOR S.F. R3	ACTUAL BUILDING GARAGE S.F. U	DECK & TERRACE	MAX. BUILDING HEIGHT (LHMC TABLE 9-30.040 MXU ZONING)	ACTUAL BUILDING HEIGHT	TOTAL ACTUAL BUILDING AREA S.F. R3	ACTUAL BUILDING AREA S.F. R3+U	FIRE WALL REQUIRED
DUET - 3 STORY - PLAN 1	R-3 / U	TYPA VB	3	404	899	915	448	NONE	35'-0"	38'-6"	2218	2666	NO
DUET - 3 STORY - PLAN 2	R-3 / U	TYPA VB	3	797	1103	1047	429	NONE			2947	3376	NO
TOTAL				1201	2002	1962	877				5165	6042	

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1/8" - 1' - 0" SCALE
0 8 16

LOT 1 - SFD, ATTACHED "A"
DUET CODE AND EGRESS ANALYSIS | A10

URBAN ARENA



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KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

LOT 1 - SFD, ATTACHED “A”

DUET FRONT PERSPECTIVE - OPTIONAL BALCONY | A11

URBAN ARENA

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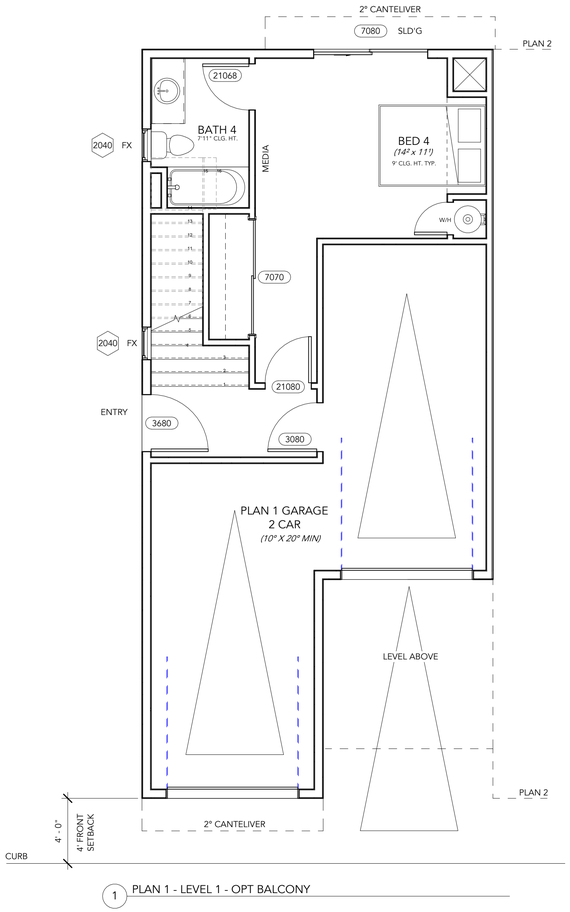
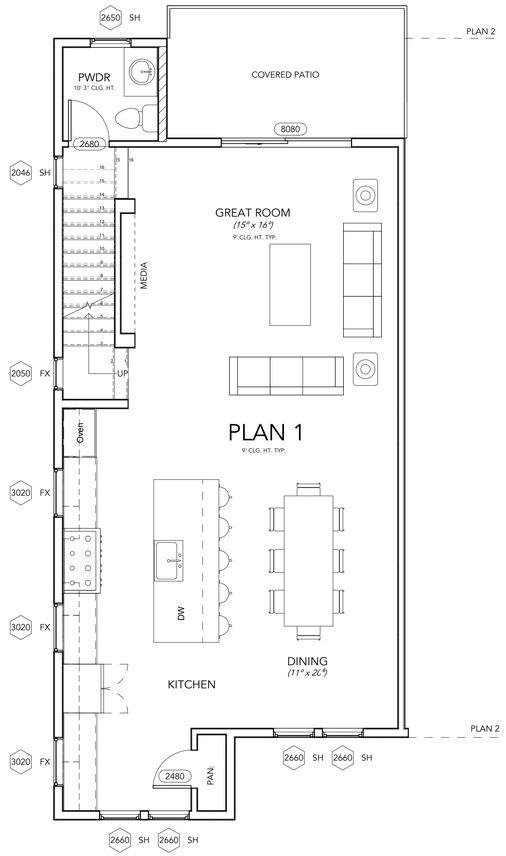
KELEMEN COMPANY

LOT 1 - SFD, ATTACHED “A”
DUET REAR PERSPECTIVE - OPTIONAL BALCONY | A12

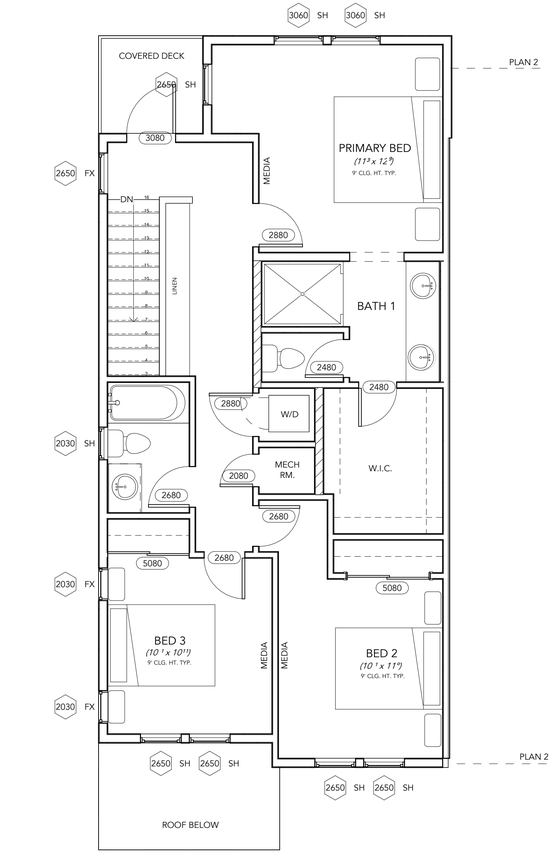
URBAN ARENA



1 PLAN 1 - LEVEL 1 - OPT BALCONY



2 PLAN 1 - LEVEL 2 - OPT BALCONY



3 PLAN 1- LEVEL 3 - OPT BALCONY

PLAN 1 - OPT BALCONY
2,218 SF GROSS

PLAN 1 • 4 BR/3.5 BA - NET SQFT - OPT BALCONY	
PLAN 1 • FIRST FLOOR NET OPT BALCONY	364 SF
PLAN 1 • SECOND FLOOR NET OPT BALCONY	827 SF
PLAN 1 • THIRD FLOOR NET OPT BALCONY	818 SF
PLAN 1 • TOTAL	2009 SF

PLAN 1 • 2-CAR GARAGE NET	404 SF

PLAN 1 • 4 BR/3.5 BA - GROSS SQFT - OPT BALCONY	
PLAN 1 • FIRST FLOOR GROSS OPT BALCONY	404 SF
PLAN 1 • SECOND FLOOR GROSS OPT BALCONY	899 SF
PLAN 1 • THIRD FLOOR GROSS OPT BALCONY	915 SF
PLAN 1 • TOTAL	2218 SF

TERRAVITA
LAGUNA HILLS | CA
KINGSBARN REALTY CAPITAL | 23-109
DATE 12 | 16 | 25

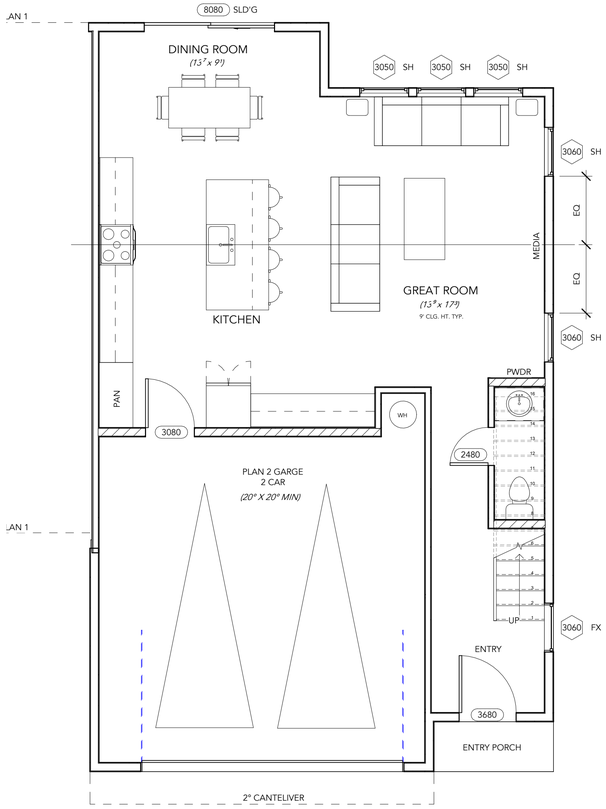
KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

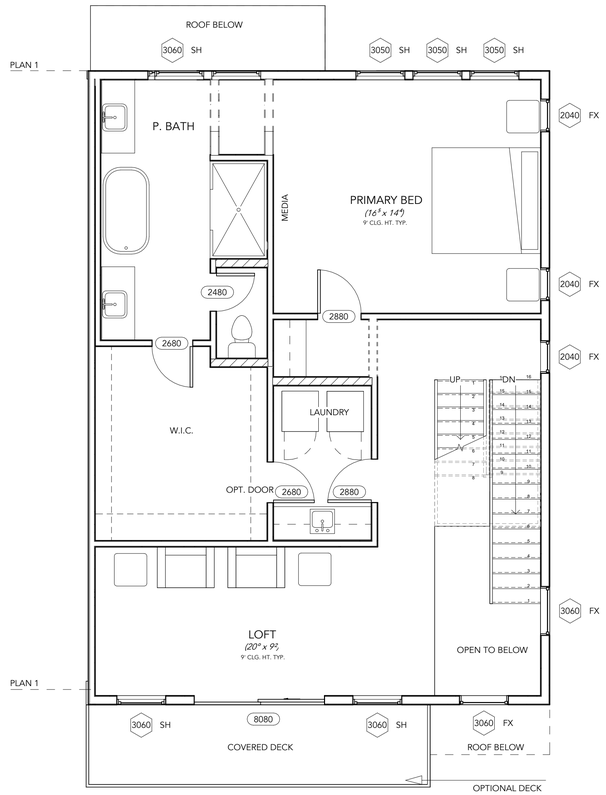
1/4" - 1' - 0" SCALE
0 4 8

LOT 1 - SFD, ATTACHED "A"
DUET FLOOR PLAN 1 - OPTIONAL BALCONY | A13

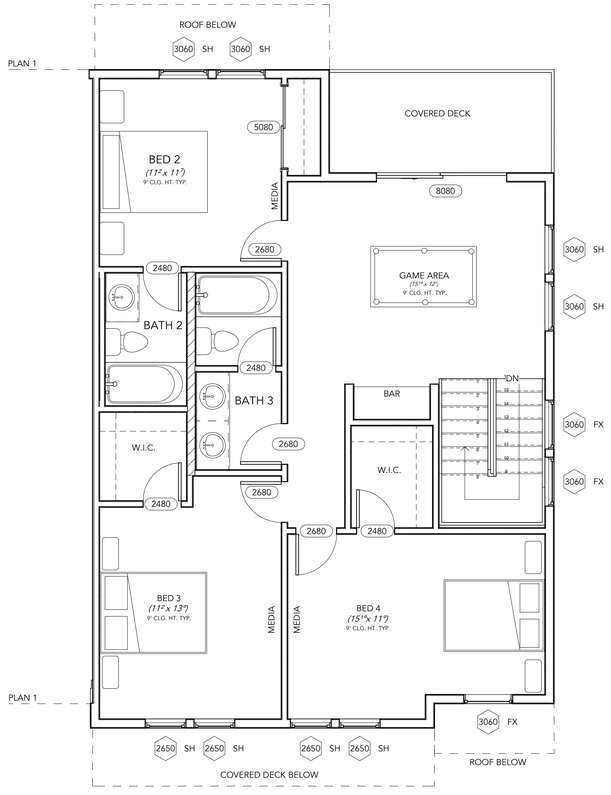
URBAN ARENA



1 PLAN 2 - LEVEL 1 - OPT BALCONY



2 PLAN 2 - LEVEL 2 - OPT BALCONY



3 PLAN 2 - LEVEL 3 - OPT BALCONY

PLAN 2 - OPT BALCONY
2,947 SF GROSS

PLAN 2 • 4 BR/3.5 BA - NET SQFT - OPT BALCONY	
PLAN 2 • FIRST FLOOR NET OPT BALCONY	723 SF
PLAN 2 • SECOND FLOOR NET OPT BALCONY	966 SF
PLAN 2 • THIRD FLOOR NET OPT BALCONY	947 SF
PLAN 2 • TOTAL	2636 SF

PLAN 2 • 2-CAR GARAGE NET	407 SF
PLAN 2 • ENTRY PORCH	22 SF

PLAN 2 • 4 BR/3.5 BA - GROSS SQFT OPT BALCONY	
PLAN 2 • FIRST FLOOR GROSS OPT BALCONY	797 SF
PLAN 2 • SECOND FLOOR GROSS OPT BALCONY	1103 SF
PLAN 2 • THIRD FLOOR GROSS OPT BALCONY	1047 SF
PLAN 2 • TOTAL	2947 SF

TERRAVITA
LAGUNA HILLS | CA
KINGSBARN REALTY CAPITAL | 23-109
DATE 12 | 16 | 25

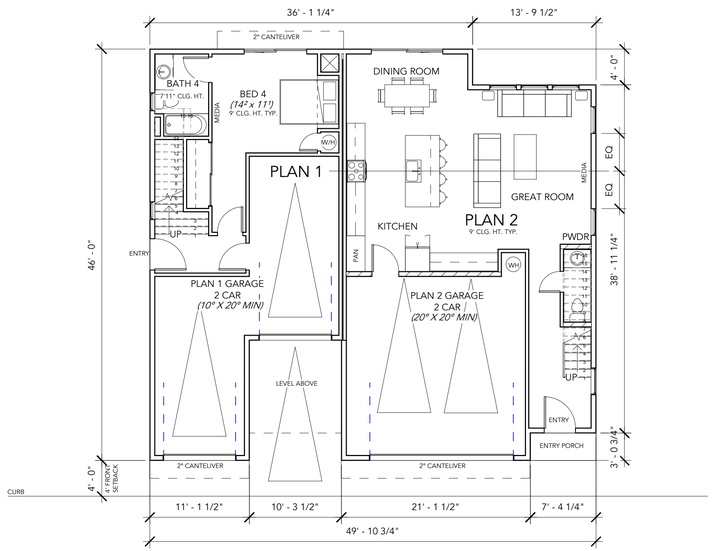
KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

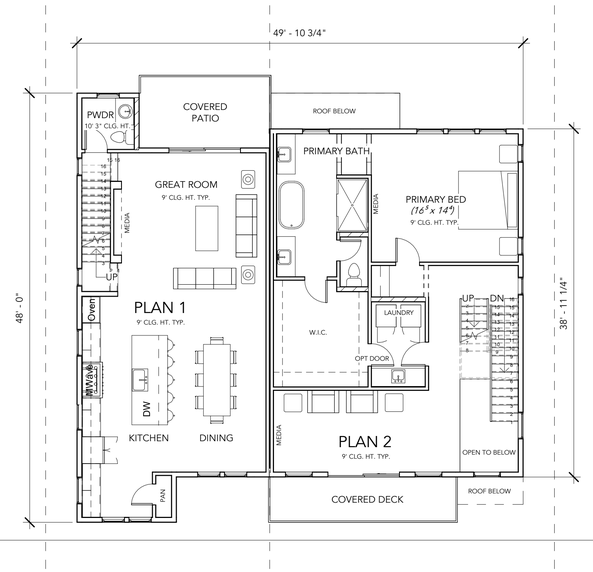
1/4" - 1' - 0" SCALE
0 4 8

LOT 1 - SFD, ATTACHED "A"
DUET FLOOR PLAN 2 - OPTIONAL BALCONY | A14

URBAN ARENA



1 LEVEL 1 - OPT BALCONY



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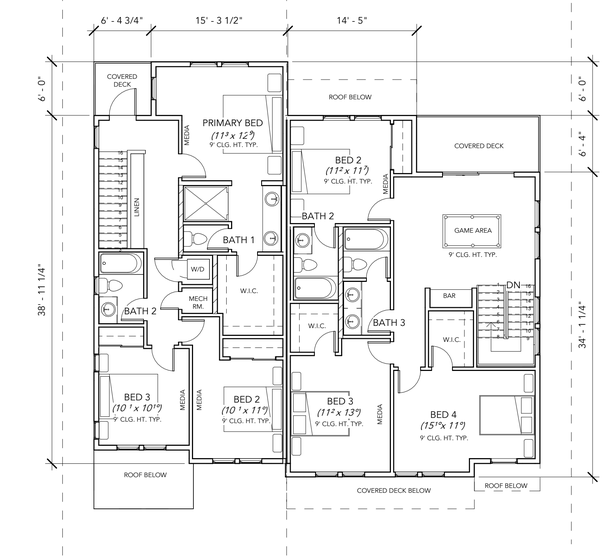
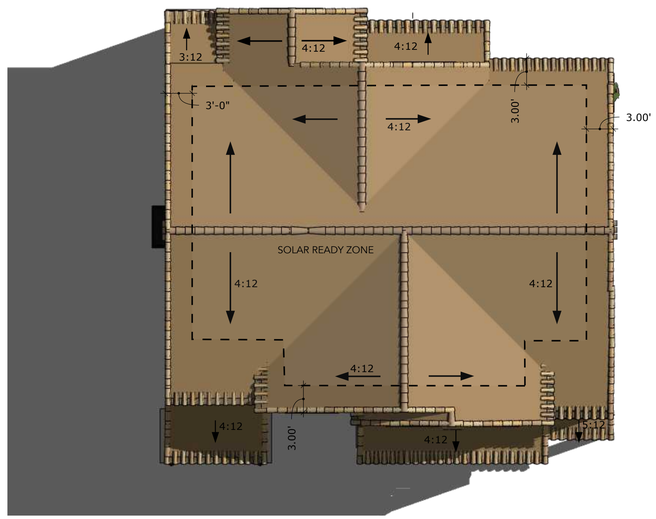


3 LEVEL 3 - OPT BALCONY



ROOF PLAN
*SEE PAGE A17 - A20 FOR ROOFING MATERIAL

NOTES:

*CONCEPTUAL SOLAR AREA SHOWN. ACTUAL LOCATION MAY VARY BASED ON OPTIMAL SOLAR ORIENTATION FOR EACH BUILDING

*SOLAR PANEL SYSTEM TO ATTACH TO ROOF STRUCTURE

EST. SOLAR AREA
=1,403 SF

EST. SYSTEM SIZE
1,403 SF X 0.018 KW/SF X 50% = 12.6 KW

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

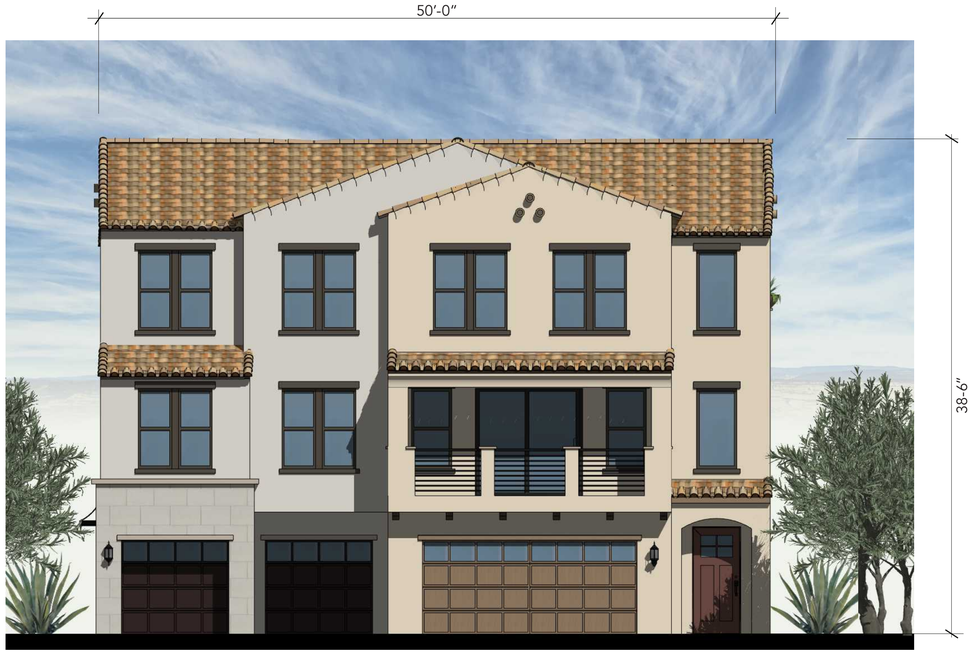
KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1/8" - 1' - 0" SCALE
0 8 16

LOT 1 - SFD, ATTACHED "A"
DUET COMPOSITE PLANS - OPTIONAL BALCONY | A15

URBAN ARENA



FRONT ELEVATION



LEFT ELEVATION



RIGHT ELEVATION



REAR ELEVATION

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1/4" - 1' - 0" SCALE

0 4 8

LOT 1 - SFD, ATTACHED "A"

DUET SCHEME 1 ELEVATIONS - OPT. BALCONY | A16

URBAN ARENA

STUCCO BODY



City Loft

FOAM TRIM



Loggia

FASCIA/EAVES/ SHUTTERS



Connected Gray

ROOF (S)



Walnut Creek Blend

SHINGLE



Sagewood

LIMESTONE TILE



Pietra Italia White

DOOR STAIN



Therma Tru Driftwood

DOOR STAIN



Jeld-Wen Ebony

GUTTERS



Musket

WINDOWS



Dark Bronze

METAL



Black Fox

GARAGE



Bronze

STUCCO BODY

Pure White

FOAM TRIM

Repose Gray

FASCIA/EAVES/ SHUTTERS

Stamped Concrete

ROOF (FLAT)



Concord Blend

SHINGLE



Sagewood

LIMESTONE TILE

Pietra Italia Beige

DOOR STAIN

Therma Tru Driftwood

DOOR STAIN

Jeld-Wen Ebony

GUTTERS

Musket

WINDOWS

Dark Bronze

METAL

Black Fox

GARAGE

Bronze

STUCCO BODY



Intellectual Gray

FOAM TRIM



Neutral Ground

FASCIA/EAVES/ SHUTTERS



Suitable Brown

ROOF (FLAT)



Concord Blend

SHINGLE



Sagewood

LIMESTONE TILE



Pietra Italia Beige

DOOR STAIN



Therma Tru Driftwood

DOOR STAIN



Jeld-Wen Ebony

GUTTERS



Musket

WINDOWS



Dark Bronze

METAL



Black Fox

GARAGE



Bronze

STUCCO BODY



Navajo White

TRIM/PRECAST



Antler Velvet

ROOF (S)



Walnut Creek Blend

SHUTTERS



Rockwood Medium Brown

WINDOWS



Dark Bronze

EXPOSED WOOD TRIM



Resort Tan

DOOR STAIN



Therma Tru New Earth

DOOR STAIN



Jeld Wen Sable

PAINT GRADE FRONT DOOR



Rookwood Medium Brown

GARAGE



Resort Tan

FRENCH DOORS



Antler Velvet

METAL



Black Fox

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

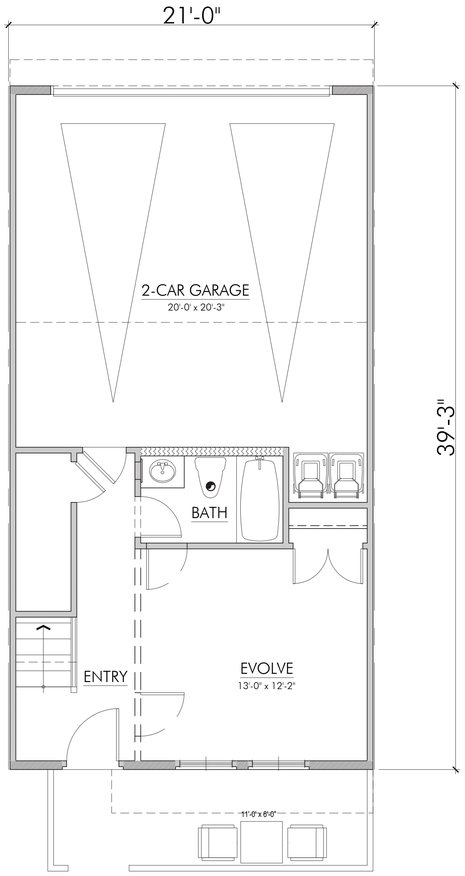
DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

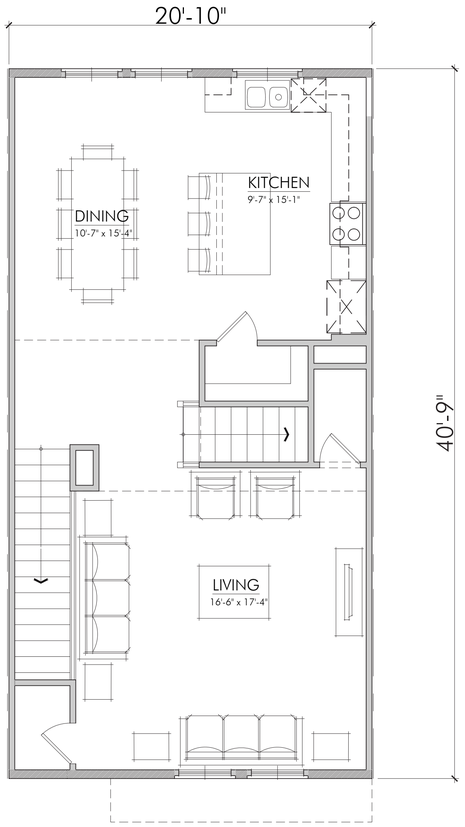
KELEMEN COMPANY

LOT 2 - SFD, ATTACHED “B”
TRIPLEX COVER SHEET | A21

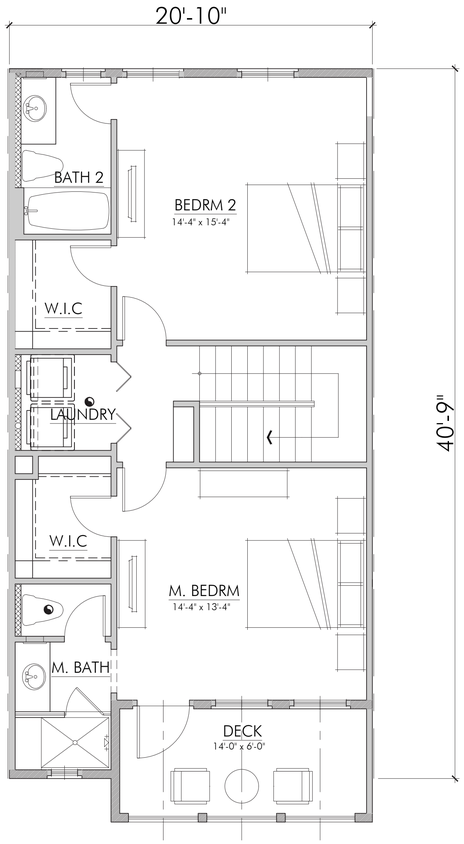
URBAN ARENA



FIRST FLOOR



SECOND FLOOR



THIRD FLOOR

PLAN 1 • 2 BR/EVOLVE/3 BA	
PLAN 1 • FIRST FLOOR	340 SF
PLAN 1 • SECOND FLOOR	780 SF
PLAN 1 • THIRD FLOOR	700 SF
PLAN 1 • TOTAL NET	1,820 SF
PLAN 1 • 2-CAR GARAGE - NET	423 SF
PLAN 1 • DECK - NET	85 SF

PLAN 1
2,010 SF GROSS

PLAN 1 • 2 BR/EVOLVE/3 BA	
PLAN 1 • FIRST FLOOR	370 SF
PLAN 1 • SECOND FLOOR	849 SF
PLAN 1 • THIRD FLOOR	791 SF
PLAN 1 • TOTAL GROSS	2,010 SF

TERRAVITA
LAGUNA HILLS | CA
KINGSBARN REALTY CAPITAL | 23-109
DATE 12 | 16 | 25

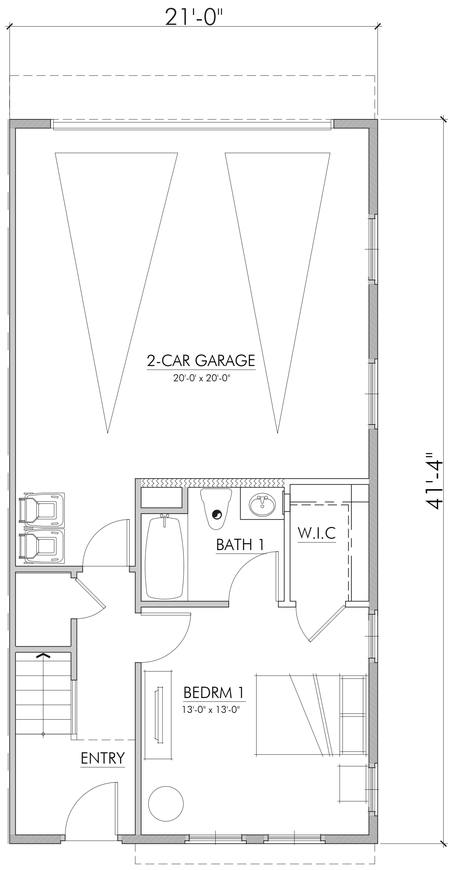
KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

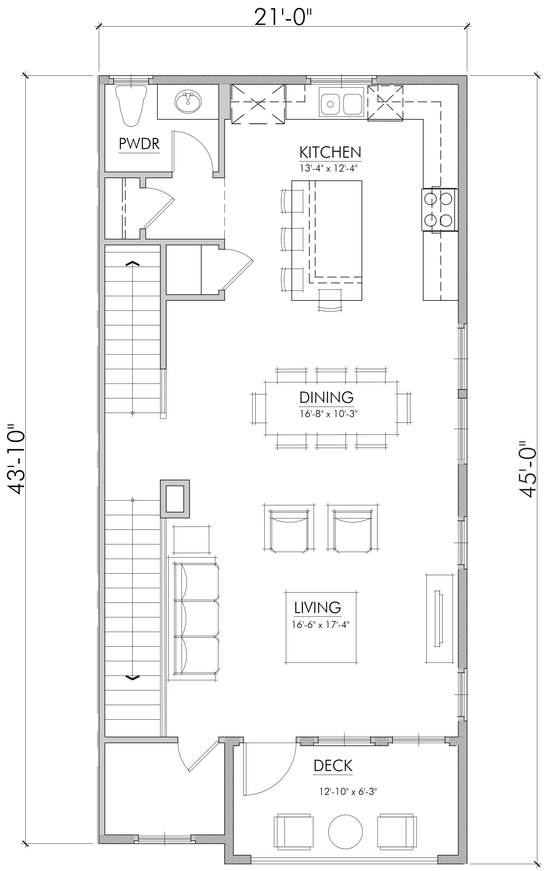
1/4" - 1' - 0" SCALE
0 4 8

LOT 2 - SFD, ATTACHED "B"
TRIPLEX FLOOR PLAN 1 | A22

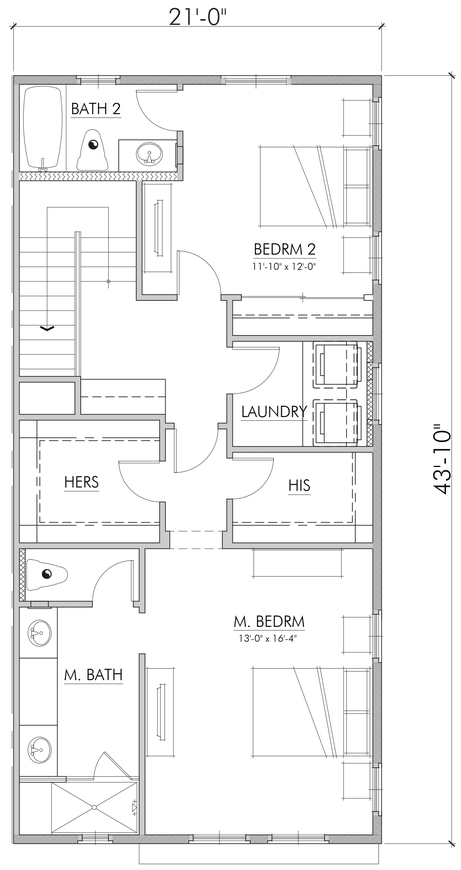
URBAN ARENA



FIRST FLOOR



SECOND FLOOR



THIRD FLOOR

PLAN 2 • 3 BR/3.5 BA	
PLAN 2 • FIRST FLOOR	362 SF
PLAN 2 • SECOND FLOOR	774 SF
PLAN 2 • THIRD FLOOR	829 SF
PLAN 2 • TOTAL NET	1,965 SF
PLAN 2 • 2-CAR GARAGE - NET	438 SF
PLAN 2 • DECK - NET	79 SF

PLAN 2
2,151 SF GROSS

PLAN 2 • 3 BR/3.5 BA	
PLAN 2 • FIRST FLOOR	398 SF
PLAN 2 • SECOND FLOOR	840 SF
PLAN 2 • THIRD FLOOR	913 SF
PLAN 2 • TOTAL GROSS	2,151 SF

TERRAVITA
LAGUNA HILLS | CA
KINGSBARN REALTY CAPITAL | 23-109
DATE 12 | 16 | 25

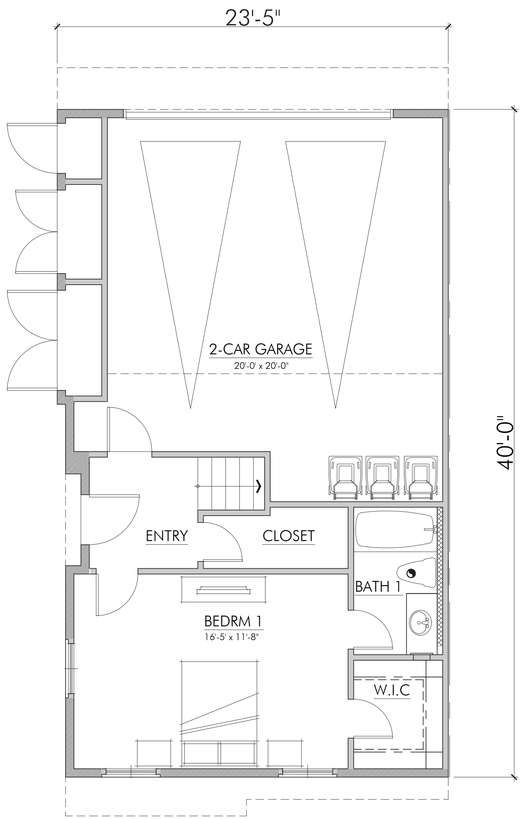
KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

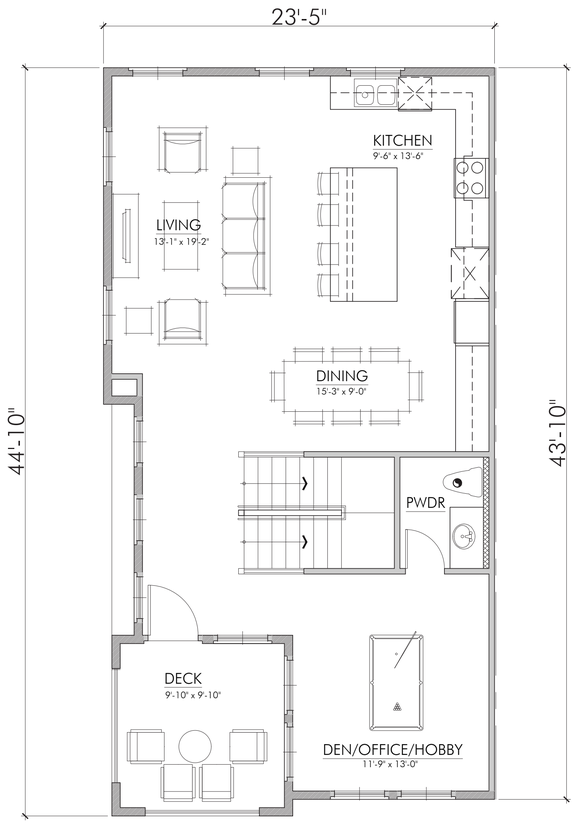
1/4" - 1' - 0" SCALE
0 4 8

LOT 2 - SFD, ATTACHED "B"
TRIPLEX FLOOR PLAN 2 | A23

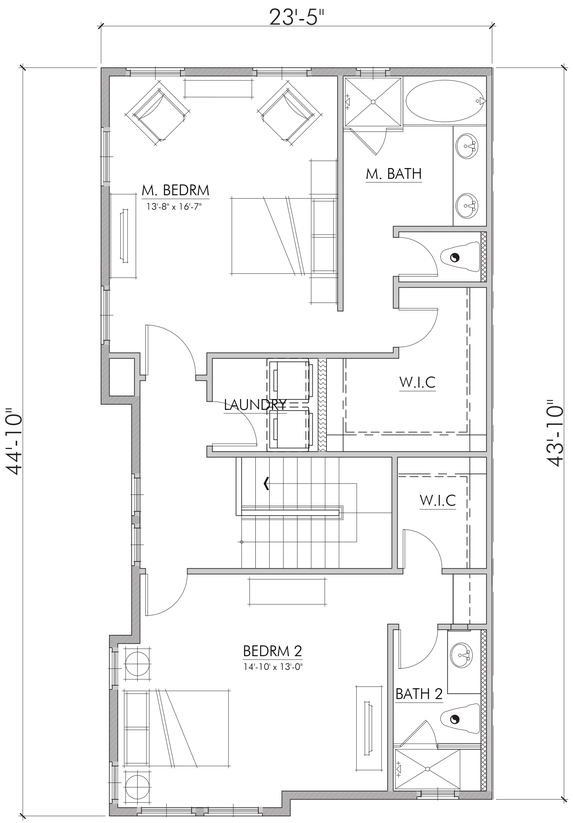
URBAN ARENA



FIRST FLOOR



SECOND FLOOR



THIRD FLOOR

PLAN 3 • 3 BR/3.5 BA	
PLAN 3 • FIRST FLOOR - NET	371 SF
PLAN 3 • SECOND FLOOR - NET	836 SF
PLAN 3 • THIRD FLOOR - NET	923 SF
PLAN 3 • TOTAL NET	2,130 SF
PLAN 3 • 2-CAR GARAGE - NET	437 SF
PLAN 3 • DECK - NET	97 SF

PLAN 3
2,316 SF GROSS

PLAN 3 • 3 BR/3.5 BA	
PLAN 3 • FIRST FLOOR - GROSS	410 SF
PLAN 3 • SECOND FLOOR - GROSS	899 SF
PLAN 3 • THIRD FLOOR - GROSS	1007 SF
PLAN 3 • TOTAL GROSS	2,316 SF

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

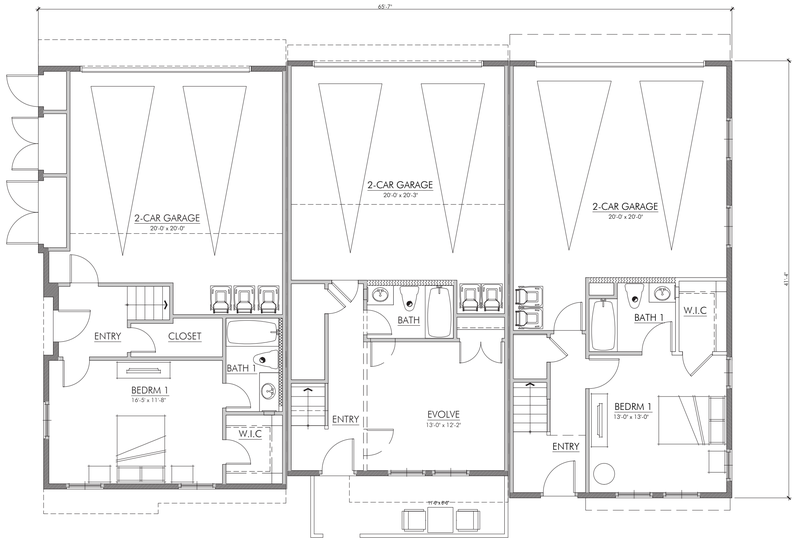
KELEMEN COMPANY

1/4" - 1' - 0" SCALE

0 4 8

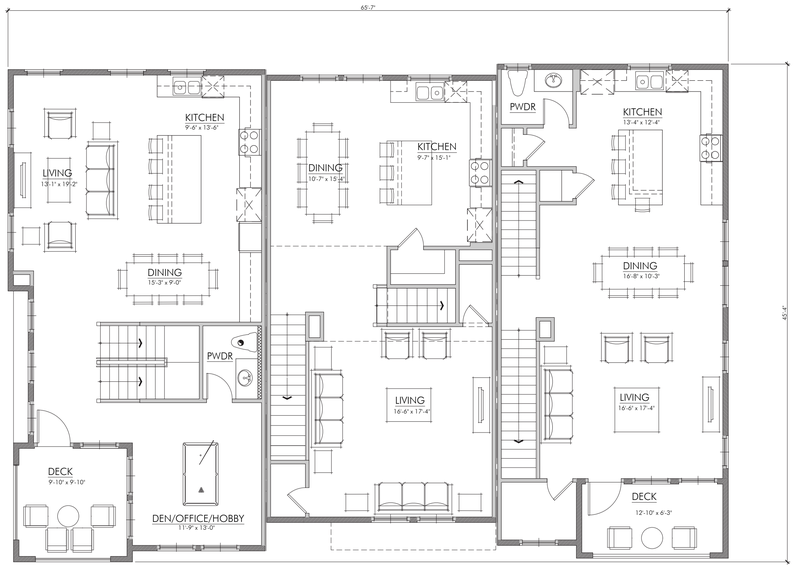
LOT 2 - SFD, ATTACHED "B"
TRIPLEX FLOOR PLAN 3 | A24

URBAN ARENA



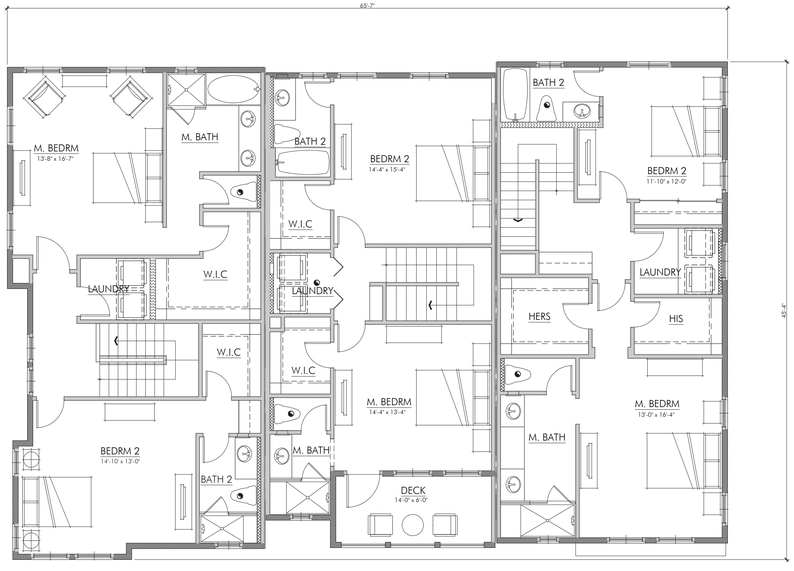
PLAN 3 PLAN 1 PLAN 2

FIRST LEVEL



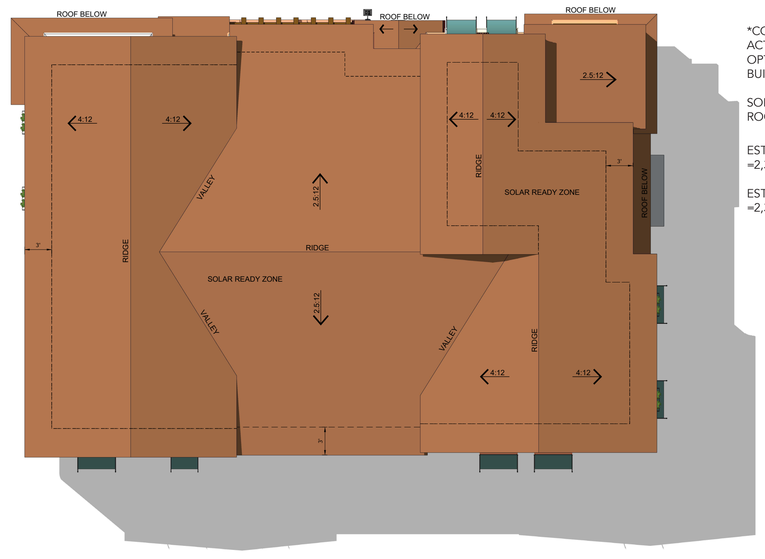
PLAN 3 PLAN 1 PLAN 2

SECOND LEVEL



PLAN 3 PLAN 1 PLAN 2

THIRD LEVEL



*CONCEPTUAL SOLAR AREA SHOWN. ACTUAL LOCATION MAY VARY BASED ON OPTIMAL SOLAR ORIENTATION FOR EACH BUILDING

SOLAR PANEL SYSTEM TO ATTACH TO ROOF STRUCTURE

EST. SOLAR AREA
=2,364 SF

EST. SYSTEM SIZE
=2,364 SF X 0.018 KW/SF X 50% = 21.3 KW

ROOF

*SEE PAGE A28 & A30 FOR ROOFING MATERIAL

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

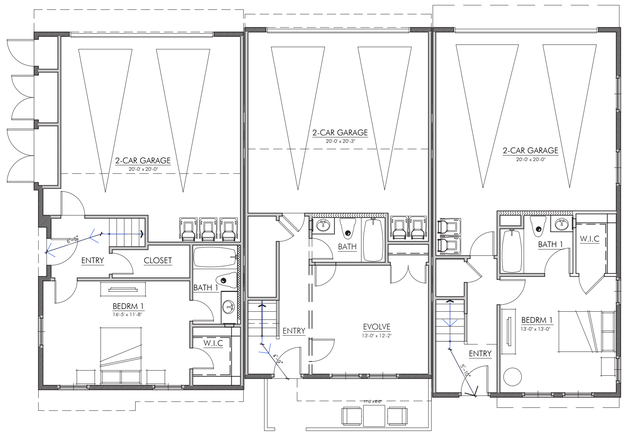
KELEMEN COMPANY

1/8" - 1' - 0" SCALE

0 8 16

LOT 2 - SFD, ATTACHED "B"
TRIPLEX COMPOSITE PLANS | A25

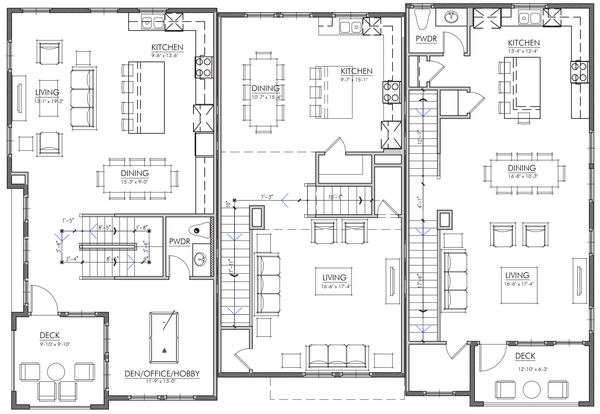
URBAN ARENA



PLAN 3 PLAN 1 PLAN 2

FIRST LEVEL

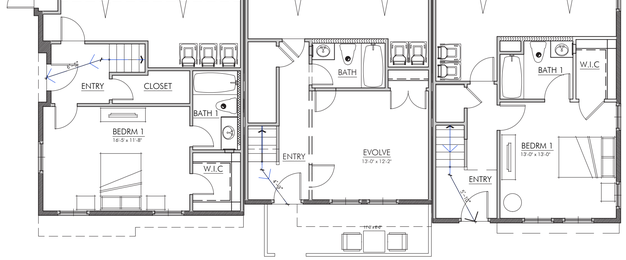
SCALE: 1/8" = 1'-0"



PLAN 3 PLAN 1 PLAN 2

SECOND LEVEL

SCALE: 1/8" = 1'-0"



PLAN 3 PLAN 1 PLAN 2

FIRST LEVEL

SCALE: 1/8" = 1'-0"

PLAN 3
EXIT DOOR
DOOR LOAD: 12
DOOR CAP: 32"/0.20"=160
EXIT DOOR WIDTH: 36"

PLAN 1
EXIT DOOR
DOOR LOAD: 11
DOOR CAP: 32"/0.20"=160
EXIT DOOR WIDTH: 36"

PLAN 2
EXIT DOOR
DOOR LOAD: 11
DOOR CAP: 32"/0.20"=160
EXIT DOOR WIDTH: 36"

EXIT TRAVEL DISTANCES

PLAN 1

LEVEL 1	62 ' 0"
LEVEL 2	26 ' 0"
LEVEL 3	4 ' 9"
TOTAL	**92 ' 9"**

PLAN 2

LEVEL 1	51 ' 11"
LEVEL 2	34 ' 2"
LEVEL 3	5 ' 10"
TOTAL	**91 ' 11"**

BUILDING CODE ANALYSIS:	3-STORY TYPE R-3 TRIPLEX CRC
OCCUPANCY GROUP:	
TRIPLEX:	R-3 CRC
ATT'D GARAGE/CARPORT:	U
TYPE OF CONSTRUCTION: (CBC CH 6)	
TRIPLEX:	V-B
ATT'D GARAGE/CAR PORT:	V-B
FIRE SPRINKLERS:	NFPA 13D SPRINKLERS (CBC SECTION 903, CRC R309, & CRC R313)
ALLOWABLE HEIGHT: (LHMC TABLE 9-30.040 MXU ZONING)	35 FT. MAXIMUM
ALLOWABLE STORIES: (CRC SECTION 301.2.2.7)	3 STORIES
EXITING:	SINGLE EXIT PERMITTED PER CRC SECTION R318
MAXIMUM OCCUPANT LOAD OF SPACE: (CBC SECTION 1004.5) OCCUPANT LOAD FACTOR: 200 SF / PERSON	
	PLAN 1 ACTUAL OCCUPANT LOAD: 11 OCCUPANTS
	PLAN 2 ACTUAL OCCUPANT LOAD: 11 OCCUPANTS
	PLAN 3 ACTUAL OCCUPANT LOAD: 12 OCCUPANTS
MEANS OF EGRESS SIZING: (CBC SECTION 1005 & 1010)	
STAIRWAY CAPACITY FACTOR: 0.3	PLAN 1 REQURIED STAIR WIDTH: 36 IN MIN. PER CBC SECTION 1011.2
	PLAN 2 REQUIRED STAIR WIDTH: 36 IN MIN. PER CBC SECTION 1011.2
	PLAN 3 REQUIRED STAIR WIDTH: 36 IN MIN. PER CBC SECTION 1011.2
DOORWAY CAPACTITY FACTOR: 0.2	PLAN 1 REQURIED DOOR WIDTH: 32 IN MIN. PER CBC SECTION 1010.1.1
	PLAN 2 REQUIRED DOOR WIDTH: 32 IN MIN. PER CBC SECTION 1010.1.1
	PLAN 3 REQUIRED DOOR WIDTH: 32 IN MIN. PER CBC SECTION 1010.1.1
SEPARATIONS: (CRC SECTION 302)	SEPARATIONS: (CRC SECTION R302)
	NOTES: CRC R302.2 WALLS SEPERATING TOWNHOUSE UNITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION R302.2.1 OR R302.2.2 AND SHALL COMPLY WITH SECTIONS R302.2.3 THROUGH R302.2.5 CRC R302.2.6 EACH TOWNHOME SHALL BE STRUCTURALLY INDEPENDENT

ALLOWABLE BUILDING AREA:

BUILDING TYPE	OCCUPANCY	CONSTRUCTION TYPE	ALLOWABLE NUMBER OF STORIES (CRC SECTION 301.2.2.7)	ACTUAL BUILDING AREA 1ST FLOOR S.F. R2	ACTUAL BUILDING AREA 2ND FLOOR S.F. R2	ACTUAL BUILDING AREA 3RD FLOOR S.F. R2	ACTUAL BUILDING GARAGE S.F. U	DECK & TERRACE	MAX. BUILDING HEIGHT (LHMC TABLE 9-30.040 MXU ZONING)	ACTUAL BUILDING HEIGHT	TOTAL ACTUAL BUILDING AREA S.F. R2	ACTUAL BUILDING AREA S.F. R2+U	FIRE WALL REQUIRED
TRIPLEX - 3 STORY - PLAN 1	R-3 / U	TYPE VB	3	370	849	791	448	85	35'-0"	37'-10"	2010	2458	NO
TRIPLEX - 3 STORY - PLAN 2	R-3 / U	TYPE VB	3	398	840	913	466	79			2151	2617	NO
TRIPLEX - 3 STORY - PLAN 3	R-3 / U	TYPE VB	3	410	899	1007	460	97			2316	2776	NO
TOTAL				1178	2588	2711	1374				6477	5393	

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1/8" - 1' - 0" SCALE

0 8 16

LOT 2 - SFD, ATTACHED "B"
TRIPLEX CODE AND EGRESS ANALYSIS | A26

URBAN ARENA



FRONT ELEVATION



LEFT ELEVATION



REAR ELEVATION



RIGHT ELEVATION

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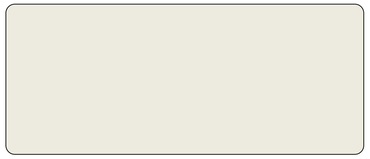
KELEMEN COMPANY

3/16" - 1' - 0" SCALE

0 8 16

LOT 2 - SFD, ATTACHED "B"
TRIPLEX SCHEME A ELEVATIONS | A27

URBAN ARENA



A STUCCO 1 LIGHT SAND FINISH
SW 7008 “ALABASTER”
SHERWIN WILLIAMS



B STUCCO LIGHT SAND FINISH
SW 7006 “EXTRA WHITE”
SHERWIN WILLIAMS



C STUCCO LIGHT SAND FINISH
SW 6073 “PERFECT GREIGE”
SHERWIN WILLIAMS



D TRIM, SHUTTERS, WOOD POSTS, & GARAGE
SW 6082 “SABLE”
SHERWIN WILLIAMS



E ENTRY DOORS
SW 6143 “BASKET BEIGE”
SHERWIN WILLIAMS



F RAILINGS
SW 6991 “BLACK MAGIC”
SHERWIN WILLIAMS



G AWNINGS
CAST LAGOON
SUNBRELLA



H TERRA COTTA TILE & WALL CAP
MISSION RED
ARTO 8x8



I ALUMINUM STOREFRONT - SINGLE HUNG -BRONZE
MILGARD



J TILE ROOF
3636 PIEDMONT BLEND
EAGLE ROOFING - CAPISTRANO



FRONT ELEVATION



LEFT ELEVATION



REAR ELEVATION



RIGHT ELEVATION

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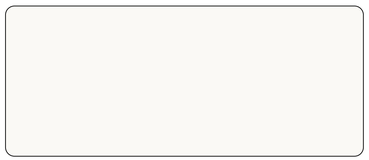
KELEMEN COMPANY

3/16" - 1' - 0" SCALE

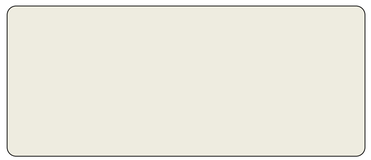
0 8 16

LOT 2 - SFD, ATTACHED "B"
TRIPLEX SCHEME B ELEVATIONS | A29

URBAN ARENA



A STUCCO 1 LIGHT SAND FINISH
SW 7005 “PURE WHITE”
SHERWIN WILLIAMS



B STUCCO 2 LIGHT SAND FINISH
SW 7551 “GREEK VILLA”
SHERWIN WILLIAMS



C STUCCO 3 LIGHT SAND FINISH
& TRIM 1
SW 7052 “GRAY AREA”
SHERWIN WILLIAMS



D SHUTTERS & ENTRY DOORS 1
SW 0047 “STUDIO BLUE GREEN”
SHERWIN WILLIAMS



E WOOD POSTS, TRIM 2, GARAGE
& ENTRY DOORS 2
SW 6082 “SABLE”
SHERWIN WILLIAMS



F AWNINGS
CANVAS BURGUNDY
SUNBRELLA



G RAILINGS
SW 6991 “BLACK MAGIC”
SHERWIN WILLIAMS



H WALL CAP & ACCENT
DESERT
ARTO



I ALUMINUM STOREFRONT - SINGLE
HUNG -BRONZE
MILGARD



J TILE ROOF
SCC 8806 “TUSCON BLEND”
EAGLE ROOFING - CAPISTRANO

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KINGSBARN REALTY CAPITAL | 23-109

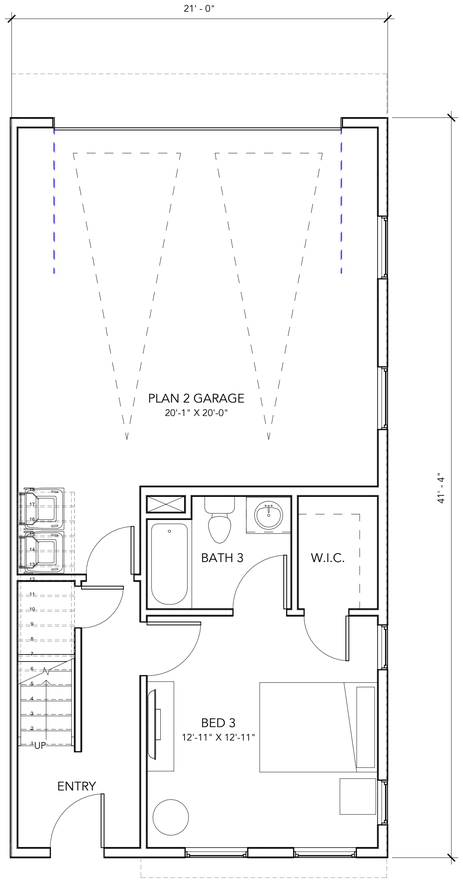
DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

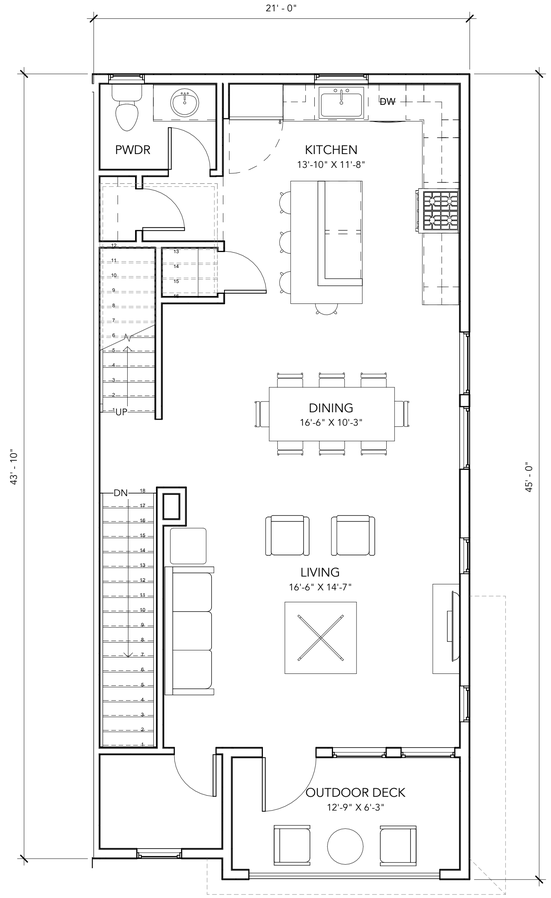
KELEMEN COMPANY

LOT 2 - SFD, ATTACHED “C”
2-PLEX COVER SHEET | A31

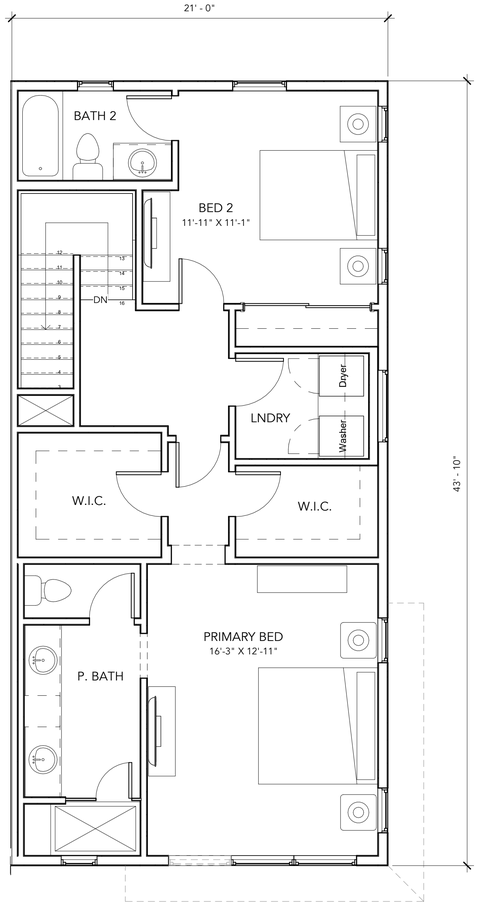
URBAN ARENA



1 LEVEL 1 - PLAN 2
1/4" = 1'-0"



2 LEVEL 2 - PLAN 2
1/4" = 1'-0"



3 LEVEL 3 - PLAN 2
1/4" = 1'-0"

PLAN 2
2,151 SF GROSS

PLAN 2 • 3BR / 3.5BA	
PLAN 2 • FIRST FLOOR	362 SF
PLAN 2 • SECOND FLOOR	774 SF
PLAN 2 • THIRD FLOOR	829 SF
PLAN 2 • TOTAL NET	1,965 SF
PLAN 2 • 2-CAR GARAGE - NET	438 SF
PLAN 2 • DECK - NET	79 SF

PLAN 2 • 3BR / 3.5BA	
PLAN 2 • FIRST FLOOR	398 SF
PLAN 2 • SECOND FLOOR	840 SF
PLAN 2 • THIRD FLOOR	913 SF
PLAN 2 • TOTAL GROSS	2,151 SF

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DATE 12 | 16 | 25

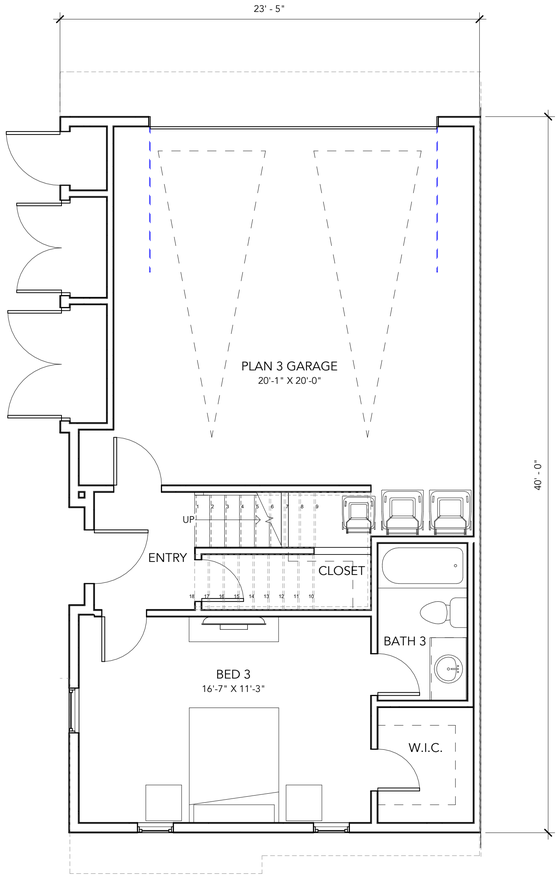
KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

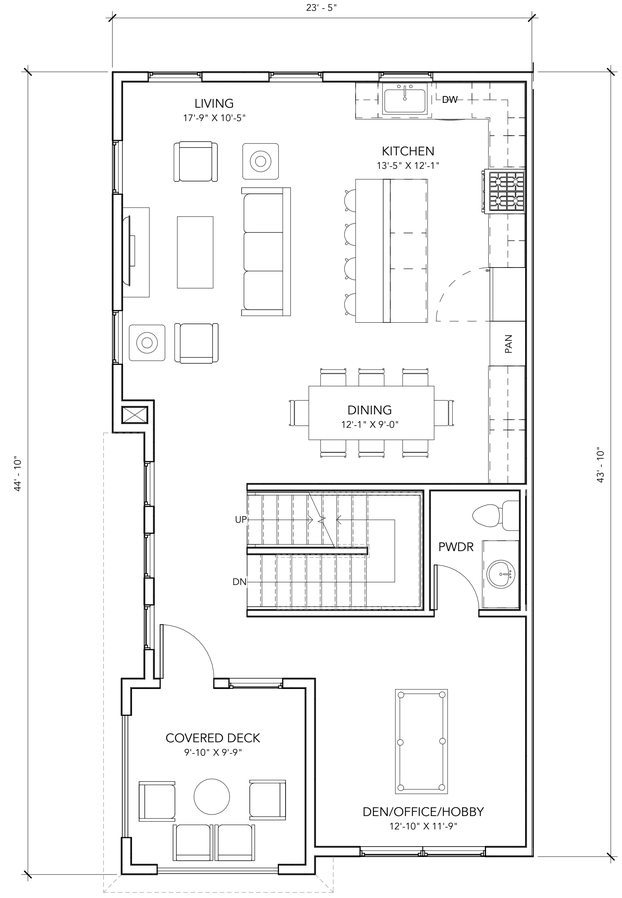
1/4" - 1' - 0" SCALE
0 4 8

LOT 2 - SFD, ATTACHED "C"
2-PLEX FLOOR PLAN 2 | A32

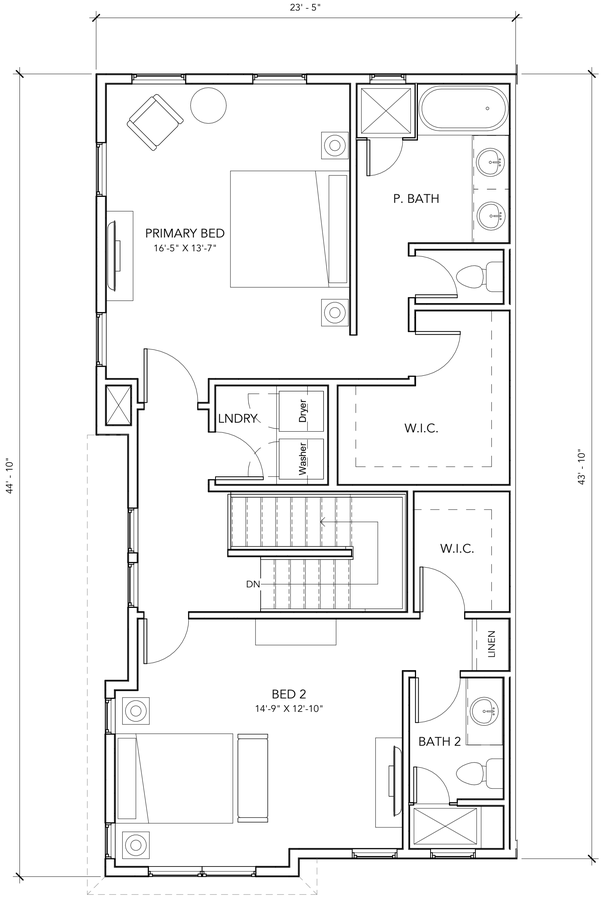
URBAN ARENA



1 LEVEL 1 - PLAN 3
1/4" = 1'-0"



2 LEVEL 2 - PLAN 3
1/4" = 1'-0"



3 LEVEL 3 - PLAN 3
1/4" = 1'-0"

PLAN 3
2,316 SF GROSS

PLAN 3 • 3BR / 3.5BA	
PLAN 3 • FIRST FLOOR	371 SF
PLAN 3 • SECOND FLOOR	836 SF
PLAN 3 • THIRD FLOOR	923 SF
PLAN 3 • TOTAL NET	2,130 SF
PLAN 3 • 2-CAR GARAGE - NET	437 SF
PLAN 3 • DECK - NET	97 SF

PLAN 3 • 3BR / 3.5BA	
PLAN 3 • FIRST FLOOR	410 SF
PLAN 3 • SECOND FLOOR	899 SF
PLAN 3 • THIRD FLOOR	1,007 SF
PLAN 3 • TOTAL GROSS	2,316 SF

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KINGSBARN REALTY CAPITAL | 23-109
DATE 12 | 16 | 25

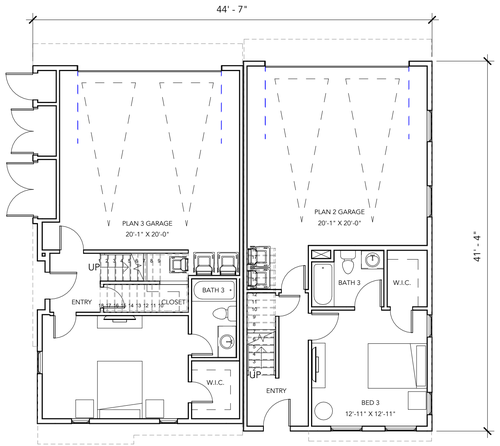
KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1/4" - 1' - 0" SCALE
0 4 8

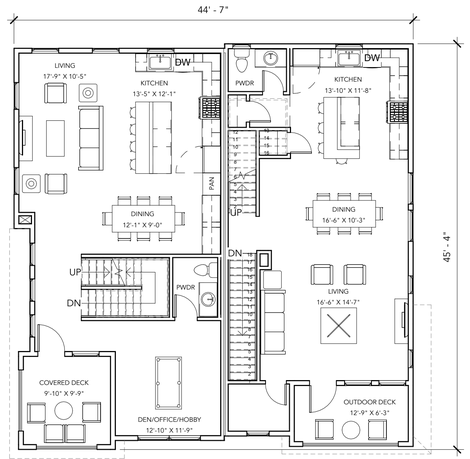
LOT 2 - SFD, ATTACHED "C"
2-PLEX FLOOR PLAN 3 | A33

URBAN ARENA



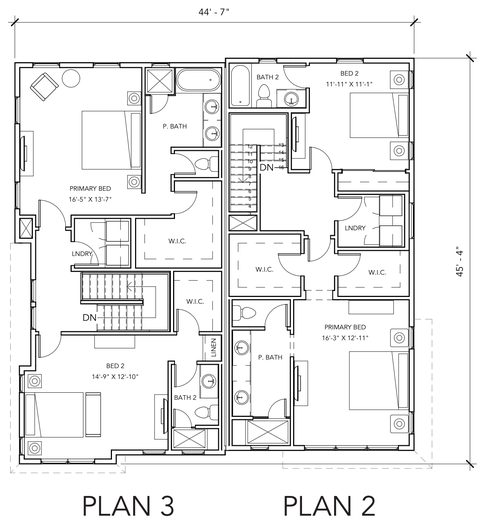
PLAN 3 PLAN 2

FIRST LEVEL



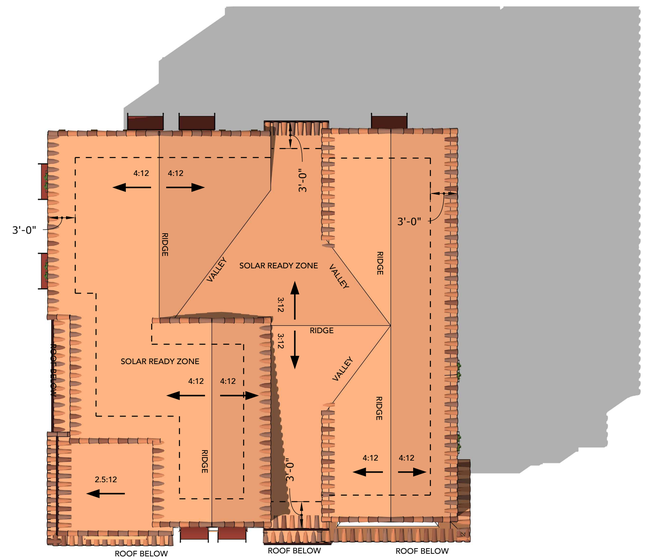
PLAN 3 PLAN 2

SECOND LEVEL



PLAN 3 PLAN 2

THIRD LEVEL



*CONCEPTUAL SOLAR AREA SHOWN. ACTUAL LOCATION MAY VARY BASED ON OPTIMAL SOLAR ORIENTATION FOR EACH BUILDING

SOLAR PANEL SYSTEM TO ATTACH TO ROOF STRUCTURE

EST. SOLAR AREA
=1,237 SF

EST. SYSTEM SIZE
1,237 SF X 0.018 KW/SF X 50% = 11.1 KW

*REFER TO SHEET A26 FOR PLAN 3 AND PLAN 2 EGRESS ANALYSIS

*REFER TO SHEET A45 FOR BUILDING CODE ANALYSIS

ROOF

*SEE PAGE A36 & A38 FOR ROOFING MATERIAL

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KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1/8" - 1' - 0" SCALE
0 8 16

LOT 2 - SFD, ATTACHED "C"
2-PLEX COMPOSITE PLANS | A34

URBAN ARENA



FRONT ELEVATION



RIGHT ELEVATION



LEFT ELEVATION



REAR ELEVATION

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LAGUNA HILLS | CA

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DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

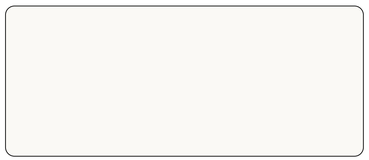
KELEMEN COMPANY

3/16" - 1' - 0" SCALE

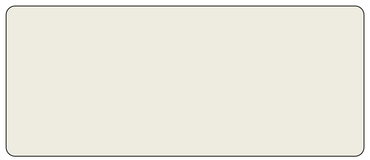
0 8 16

LOT 2 - SFD, ATTACHED "C"
2-PLEX SCHEME A ELEVATIONS | A35

URBAN ARENA



A STUCCO 1 LIGHT SAND FINISH
SW 7005 “PURE WHITE”
SHERWIN WILLIAMS



B STUCCO 2 LIGHT SAND FINISH
SW 7551 “GREEK VILLA”
SHERWIN WILLIAMS



C SHUTTERS
SW 0047 “STUDIO BLUE GREEN”
SHERWIN WILLIAMS



D WOOD POSTS, TRIM 2, GARAGE
& ENTRY DOORS 1
SW 6082 “SABLE”
SHERWIN WILLIAMS



E AWNINGS
CANVAS BURGUNDY
SUNBRELLA



F RAILINGS
SW 6991 “BLACK MAGIC”
SHERWIN WILLIAMS



G WALL CAP & ACCENT
DESERT
ARTO



H ENTRY DOORS 2
SW 6143 “BASKET BEIGE”
SHERWIN WILLIAMS



I ALUMINUM STOREFRONT - SINGLE
HUNG -BRONZE
MILGARD



J TILE ROOF
SCC 8806 “TUSCON BLEND”
EAGLE ROOFING - CAPISTRANO



FRONT ELEVATION



RIGHT ELEVATION



LEFT ELEVATION



REAR ELEVATION

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

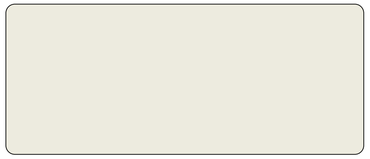
KELEMEN COMPANY

3/16" - 1' - 0" SCALE

0 8 16

LOT 2 - SFD, ATTACHED "C"
2-PLEX SCHEME B ELEVATIONS | A37

URBAN ARENA



A STUCCO 1 LIGHT SAND FINISH
SW 7008 “ALABASTER”
SHERWIN WILLIAMS



C STUCCO 2 LIGHT SAND FINISH
& TRIM 1
SW 7052 “GRAY AREA”
SHERWIN WILLIAMS



C ENTRY DOOR 1
SW 0047 “STUDIO BLUE GREEN”
SHERWIN WILLIAMS



D TRIM 2, SHUTTERS, WOOD POSTS, &
GARAGE
SW 6082 “SABLE”
SHERWIN WILLIAMS



E ENTRY DOORS 2
SW 6143 “BASKET BEIGE”
SHERWIN WILLIAMS



F RAILINGS
SW 6991 “BLACK MAGIC”
SHERWIN WILLIAMS



G AWNINGS
CAST LAGOON
SUNBRELLA



H TERRA COTTA TILE & WALL CAP
MISSION RED
ARTO 8x8



I ALUMINUM STOREFRONT - SINGLE
HUNG -BRONZE
MILGARD



J TILE ROOF
3636 PIEDMONT BLEND
EAGLE ROOFING - CAPISTRANO



TERRAVITA

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KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

LOT 3 - SFD, ATTACHED “D”
DUPLEX COVER SHEET | A39

URBAN ARENA



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LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

LOT 3 - SFD, ATTACHED “D”
DUPLEX FRONT A PERSPECTIVE | A40

URBAN ARENA



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LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

LOT 3 - SFD, ATTACHED “D”
DUPLEX FRONT B PERSPECTIVE | A41

URBAN ARENA

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

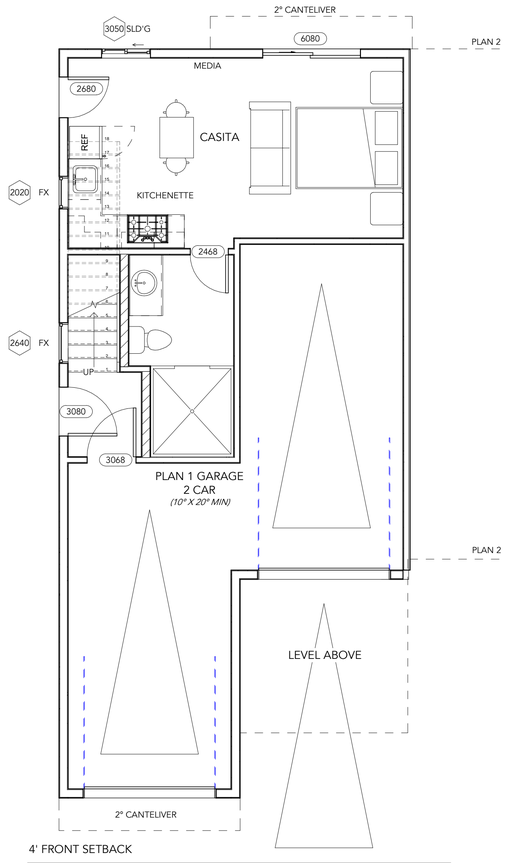
DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

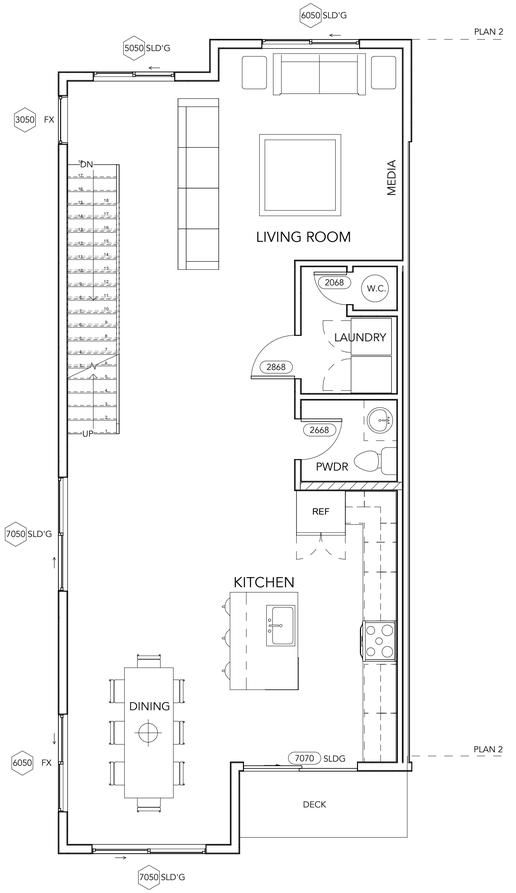
KELEMEN COMPANY

LOT 3 - SFD, ATTACHED “D”
DUPLEX REAR PERSPECTIVE | A42

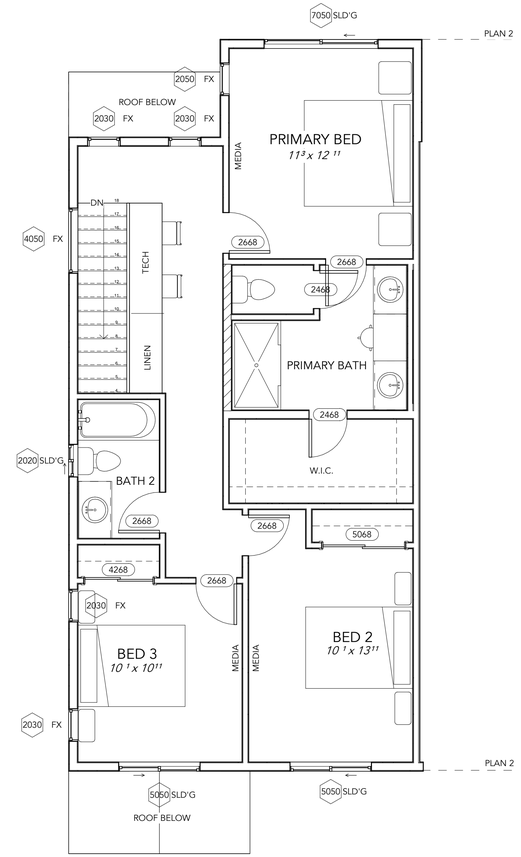
URBAN ARENA



1 PLAN 1 - LEVEL 1
1/4" = 1'-0"



2 PLAN 1 - LEVEL 2
1/4" = 1'-0"



3 PLAN 1- LEVEL 3
1/4" = 1'-0"

PLAN 1
2,334 SF GROSS

PLAN 1 • 4 BR/3.5 BA - NET	
PLAN 1 • FIRST FLOOR NET	340 SF
PLAN 1 • SECOND FLOOR NET	933 SF
PLAN 1 • THIRD FLOOR NET	821 SF
PLAN 1 • TOTAL	2094 SF

PLAN 1 • 2-CAR GARAGE NET	404 SF
PLAN 1 • DECK	41 SF

PLAN 1 • 4 BR/3.5 BA - GROSS	
PLAN 1 • FIRST FLOOR GROSS	408 SF
PLAN 1 • SECOND FLOOR GROSS	1012 SF
PLAN 1 • THIRD FLOOR GROSS	914 SF
PLAN 1 • TOTAL	2334 SF

TERRAVITA
LAGUNA HILLS | CA
KINGSBARN REALTY CAPITAL | 23-109
DATE 12 | 16 | 25

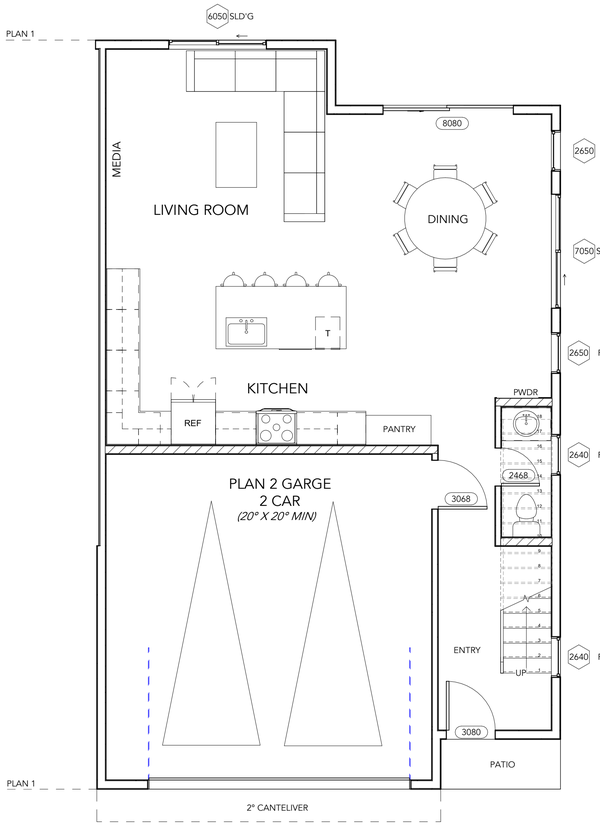
KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

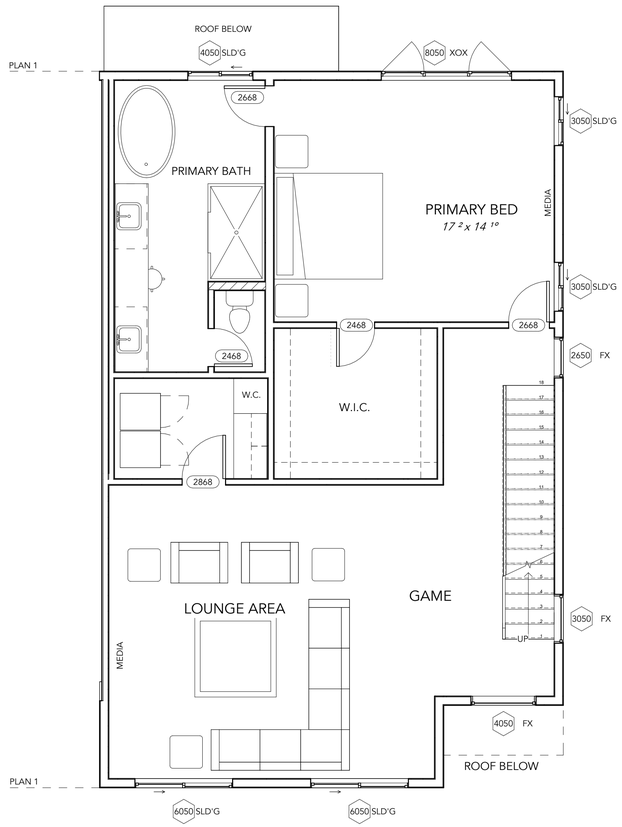
1/4" - 1' - 0" SCALE
0 4 8

LOT 3 - SFD, ATTACHED "D"
DUPLEX FLOOR PLAN 1 | A43

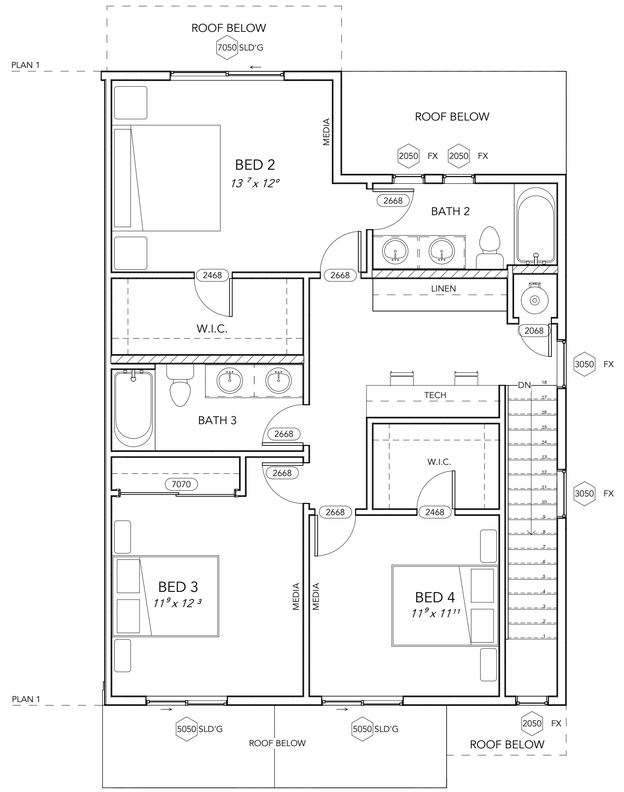
URBAN ARENA



1 PLAN 2 - LEVEL 1



2 PLAN 2 - LEVEL 2



3 PLAN 2 - LEVEL 3
1/4" = 1'-0"

PLAN 2
3,025 SF GROSS

PLAN 2 • 4 BR/3.5 BA - NET	
PLAN 2 • FIRST FLOOR NET	731 SF
PLAN 2 • SECOND FLOOR NET	1135 SF
PLAN 2 • THIRD FLOOR NET	911 SF
PLAN 2 • TOTAL	2777 SF

PLAN 2 • 2-CAR GARAGE NET	400 SF
PLAN 2 • ENTRY PORCH	22 SF

PLAN 2 • 4 BR/3.5 BA -GROSS	
PLAN 2 • FIRST FLOOR GROSS	804 SF
PLAN 2 • SECOND FLOOR GROSS	1205 SF
PLAN 2 • THIRD FLOOR GROSS	1016 SF
PLAN 2 • TOTAL	3025 SF

TERRAVITA
LAGUNA HILLS | CA
KINGSBARN REALTY CAPITAL | 23-109
DATE 12 | 16 | 25

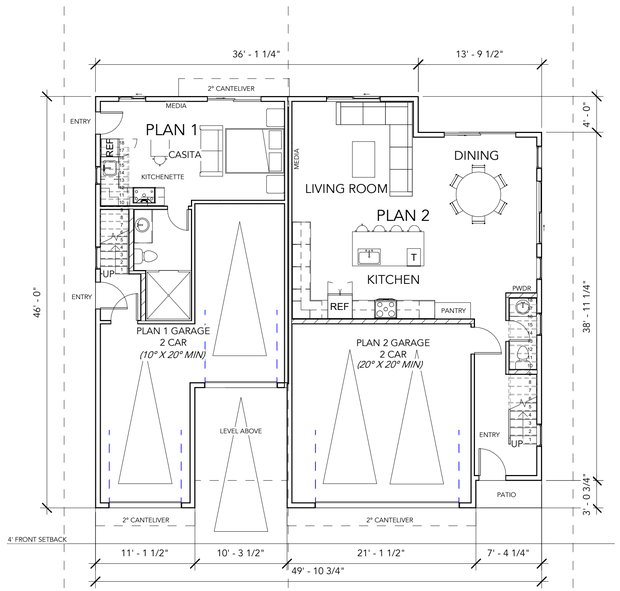
KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

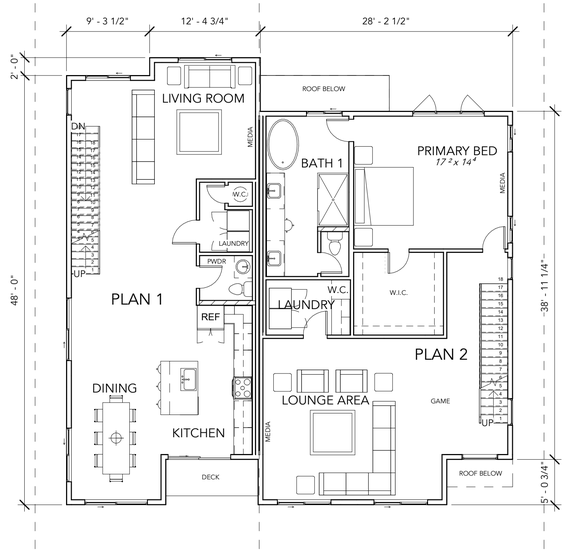
1/4" - 1' - 0" SCALE
0 4 8

LOT 3 - SFD, ATTACHED "D"
DUPLEX FLOOR PLAN 2 | A44

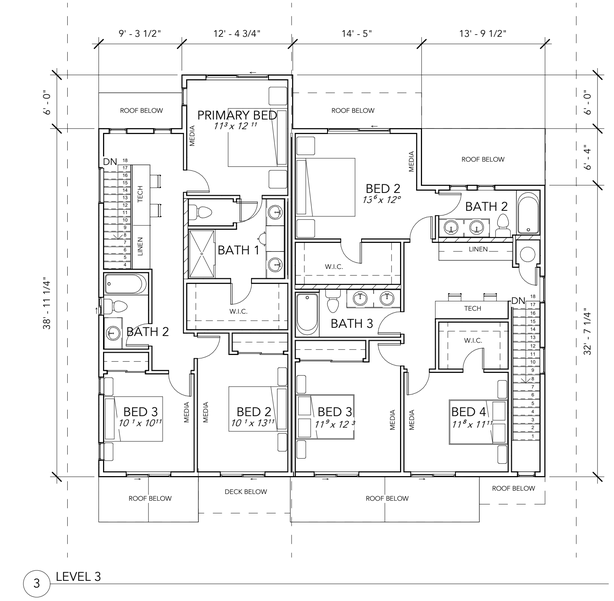
URBAN ARENA



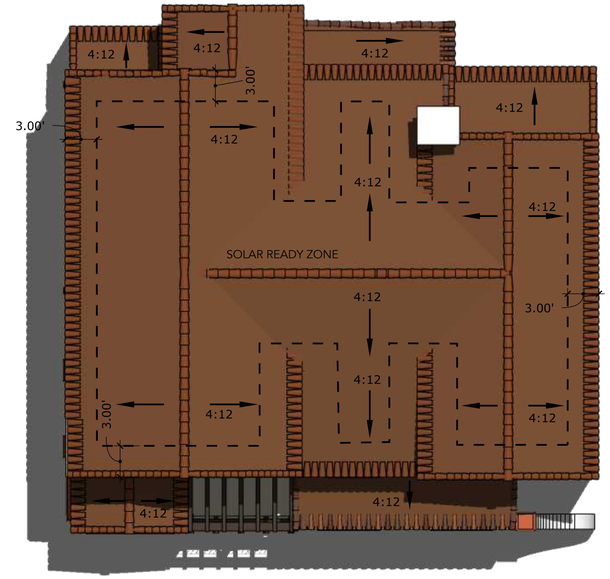
1 LEVEL 1
1/8" = 1'-0"



2 LEVEL 2
1/8" = 1'-0"



3 LEVEL 3



ROOF PLAN
*SEE PAGE A48 & A50 FOR ROOFING MATERIAL

NOTES:

*CONCEPTUAL SOLAR AREA SHOWN. ACTUAL LOCATION MAY VARY BASED ON OPTIMAL SOLAR ORIENTATION FOR EACH BUILDING

*SOLAR PANEL SYSTEM TO ATTACH TO ROOF STRUCTURE

EST. SOLAR AREA
=1,170 SF

EST. SYSTEM SIZE
1,170 SF X 0.018 KW/SF X 50% = 10.5 KW

TERRAVITA

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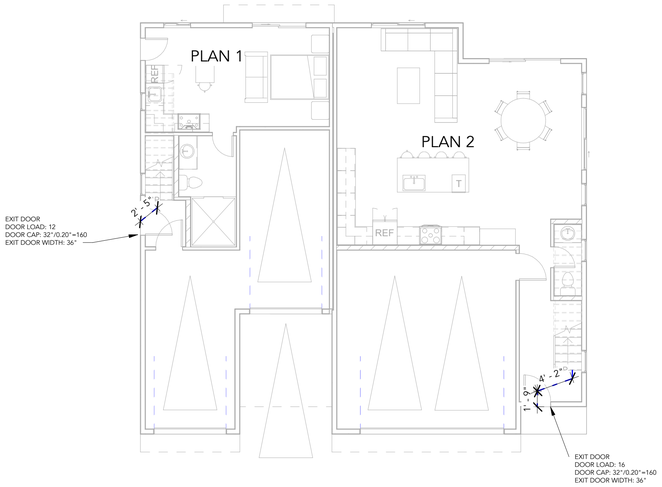
KELEMEN COMPANY

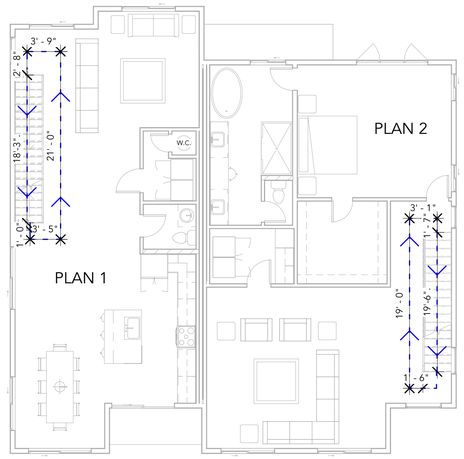
1/8" - 1' - 0" SCALE
0 8 16

LOT 3 - SFD, ATTACHED "D"
DUPLEX COMPOSITE PLANS | A45

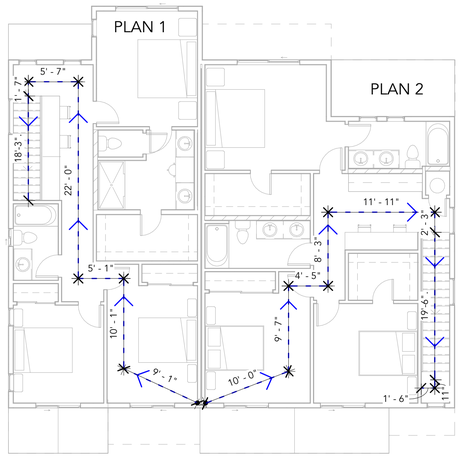
URBAN ARENA



1 LEVEL 1 - EGRESS ANALYSIS
1/8" = 1'-0"



2 LEVEL 2 - EGRESS ANALYSIS
1/8" = 1'-0"



3 LEVEL 3 - EGRESS ANALYSIS

EXIT TRAVEL DISTANCES

PLAN 1

LEVEL 1	71 ' 8"
LEVEL 2	50 ' 1"
LEVEL 3	2 ' 5"
TOTAL	**124 ' 2"**

PLAN 2

LEVEL 1	68 ' 4"
LEVEL 2	44 ' 8"
LEVEL 3	5 ' 11"
TOTAL	**118 ' 11"**

BUILDING CODE ANALYSIS:	3-STORY TYPE R-3 DUPLEX CRC
OCCUPANCY GROUP:	
SINGLE FAMILY DWELLING:	R-3 CRC
ATT'D GARAGE/CARPORT:	U
TYPE OF CONSTRUCTION: (CBC CH 6)	
SINGLE FAMILY DWELLING:	V-B
ATT'D GARAGE/CAR PORT:	V-B
FIRE SPRINKLERS:	NFPA 13D SPRINKLERS (CBC SECTION 903, CRC R309, & CRC R313)
ALLOWABLE HEIGHT: (LHMC TABLE 9-30.040 MXU ZONING)	35 FT. MAXIMUM
ALLOWABLE STORIES: (CRC SECTION 301.2.2.7)	3 STORIES
EXITING:	
MAXIMUM OCCUPANT LOAD OF SPACE: (CBC SECTION 1004.5) OCCUPANT LOAD FACTOR: 200 SF / PERSON	
	PLAN 1 ACTUAL OCCUPANT LOAD: 12 OCCUPANTS
	PLAN 2 ACTUAL OCCUPANT LOAD: 16 OCCUPANTS
MEANS OF EGRESS SIZING: (CBC SECTION 1005 & 1010)	
STAIRWAY CAPACITY FACTOR: 0.3	PLAN 1 REQURIED STAIR WIDTH: 36 IN MIN. PER CBC SECTION 1011.2
	PLAN 2 REQUIRED STAIR WIDTH: 36 IN MIN. PER CBC SECTION 1011.2
DOORWAY CAPACTITY FACTOR: 0.2	PLAN 1 REQURIED DOOR WIDTH: 32 IN MIN. PER CBC SECTION 1010.1.1
	PLAN 2 REQUIRED DOOR WIDTH: 32 IN MIN. PER CBC SECTION 1010.1.1
SEPARATIONS: (CRC SECTION 302)	SEPARATIONS: (CRC SECTION R302)
	NOTES: CRC R302.2 WALLS SEPERATING TOWNHOUSE UNITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION R302.2.1 OR R302.2.2 AND SHALL COMPLY WITH SECTIONS R302.2.3 THROUGH R302.2.5 CRC R302.2.6 EACH TOWNHOME SHALL BE STRUCTURALLY INDEPENDENT

ALLOWABLE BUILDING AREA:

BUILDING TYPE	OCCUPANCY	CONSTRUCTION TYPE	ALLOWABLE NUMBER OF STORIES (CRC SECTION 301.2.2.7)	ACTUAL BUILDING AREA 1ST FLOOR S.F. R3	ACTUAL BUILDING AREA 2ND FLOOR S.F. R3	ACTUAL BUILDING AREA 3RD FLOOR S.F. R3	ACTUAL BUILDING GARAGE S.F. U	DECK & TERRACE	MAX. BUILDING HEIGHT (LHMC TABLE 9-30.040 MXU ZONING)	ACTUAL BUILDING HEIGHT	TOTAL ACTUAL BUILDING AREA S.F. R3	ACTUAL BUILDING AREA S.F. R3+U	FIRE WALL REQUIRED
DUPLEX - 3 STORY - PLAN 1	R-3 / U	TYPA VB	3	408	1012	914	443	NONE	35'-0"	38'-6"	2334	2777	NO
DUPLEX - 3 STORY - PLAN 2	R-3 / U	TYPA VB	3	804	1205	1016	424	NONE			3025	3449	NO
TOTAL				1212	2217	1930	867				5359	6226	

TERRAVITA
LAGUNA HILLS | CA
KINGSBARN REALTY CAPITAL | 23-109
DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

1/8" - 1' - 0" SCALE
0 8 16

LOT 3 - SFD, ATTACHED "D"
DUPLEX CODE AND EGRESS ANALYSIS | A46

URBAN ARENA



FRONT ELEVATION



LEFT ELEVATION



RIGHT ELEVATION



REAR ELEVATION

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

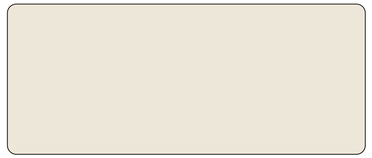
KELEMEN COMPANY

3/16" - 1' - 0" SCALE

0 8 16

LOT 3 - SFD, ATTACHED "D"
DUPLEX SCHEME A ELEVATIONS | A47

URBAN ARENA



A STUCCO LIGHT SAND FINISH
SW 7511 “BUNGALOW BEIGE”
SHERWIN WILLIAMS



B STUCCO LIGHT SAND FINISH
SW 7008 “ALABASTER”
SHERWIN WILLIAMS



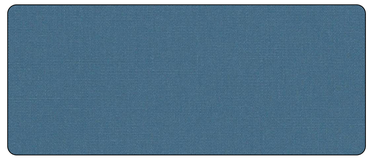
C GARAGE 1 & ENTRY DOORS 1,
SHUTTERS, POSTS
SW 7020 “BLACK FOX”
SHERWIN WILLIAMS



D GARAGE 2 & ENTRY DOORS 2
SW 2808 “ROCKWOOD DARK BROWN”
SHERWIN WILLIAMS



E RAILING
SW 6990 “CAVIAR”
SHERWIN WILLIAMS



F AWNINGS
SAPPHIRE BLUE
SUNBRELLA



G TERRA COTTA TILE & WALL CAP
MISSION RED
ARTO 8x8



H PORCELAIN TILE - CEMENTINE
POSA 4
ARIZONA TILE 8x8



I ALUMINUM STOREFRONT - SINGLE
HUNG -BRONZE
MILGARD



J TILE ROOF
3636 PIEDMONT BLEND
EAGLE ROOFING - CAPISTRANO



FRONT ELEVATION



LEFT ELEVATION



RIGHT ELEVATION



REAR ELEVATION

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

3/16" - 1' - 0" SCALE

0 8 16

LOT 3 - SFD, ATTACHED "D"
DUPLEX SCHEME B ELEVATIONS | A49

URBAN ARENA



A STUCCO LIGHT SAND FINISH
SW 7006 “EXTRA WHITE”
SHERWIN WILLIAMS



B STUCCO LIGHT SAND FINISH
SW 7632 “MODERN GRAY”
SHERWIN WILLIAMS



C GARAGE 1, ENTRY DOORS,
& SHUTTERS 1
SW 7020 “BLACK FOX”
SHERWIN WILLIAMS



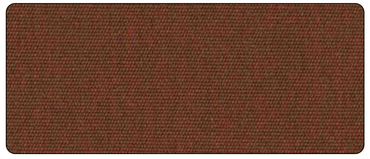
D GARAGE 2
SW 6102 “PORTABELLO”
SHERWIN WILLIAMS



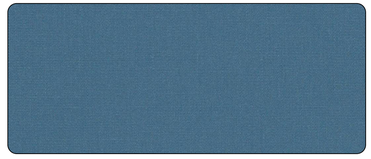
E RAILING
SW 6990 “CAVIAR”
SHERWIN WILLIAMS



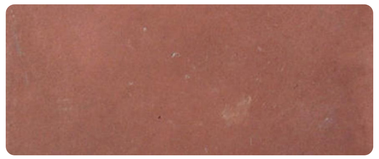
F ENTRY DOORS & SHUTTERS 2
SW 9684 “AZURE TIDE”
SHERWIN WILLIAMS



G AWNINGS
MAHOGANY
SUNBRELLA



H AWNINGS
SAPPHIRE BLUE
SUNBRELLA



I TILE ACCENT
SPANISH INN RED
ARTO



J STONE - CUT COARSE STONE
SEASHELL
EL DORADO STONE



K ALUMINUM STOREFRONT
SINGLE HUNG -BRONZE
MILGARD



L PORCELAIN TILE - CEMENTINE
POSA 1
ARIZONA TILE 8x8



M TILE ROOF
3606 VALLEJO RANGE
EAGLE ROOFING - CAPISTRANO

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN REALTY CAPITAL | 23-109

DATE 12 | 16 | 25

KINGSBARN REALTY CAPITAL

KELEMEN COMPANY

LOT 3 - SFD, ATTACHED “D”
DUPLEX SCHEME B COLOR & MATERIALS | A50

URBAN ARENA

BUILDING SUMMARY

UNIT TYPE	B LEVEL	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5	PERCENTAGE	TOTAL
S1	1	4	5	5	5	5	11.31%	25
STUDIOS	1	4	5	5	5	5	**11.31%**	**25**
A1	4	9	10	12	12	12	26.70%	59
A1.1	2	2	2	2	2	2	5.43%	12
A1A	0	1	4	4	4	4	7.69%	17
A2	1	1	0	0	0	0	0.90%	2
A3	0	8	9	9	9	9	19.91%	44
1 BEDS	7	21	25	27	27	27	**60.63%**	**134**
B1	0	1	1	1	1	1	8.06%	5
B2	1	9	11	11	11	10	23.98%	53
B3	0	0	1	1	1	1	1.81%	4
B4	0	1	1	1	1	1	2.26%	5
2 BEDS	1	10	13	13	13	12	**28.05%**	**62**
SUBTOTAL	**9**	**35**	**43**	**45**	**45**	**44**	**100%**	**221**
TOTAL	**221**							

UNIT SUMMARY

UNIT TYPE	UNIT NET AREA (SQ. FT.)	NUMBER OF UNITS	TOTAL NET AREA (SQ. FT.)	TOTAL UNIT %
S1	561	25	14,025	11.3%
A1	615	59	36,285	60.6%
A1.1	615	12	7,380	
A1A	609	17	10,353	
A2	709	2	1,418	
A3	756	44	33,264	
B1	761	5	3,805	25.8%
B2	977	53	51,781	
B3	1,079	4	4,316	
TOTAL	**736 AVERAGE**	**221**	**162,627**	**98%**

PRIVATE OPEN SPACE

UNIT TYPE	BALCONY NET AREA (SQ. FT.)	NUMBER OF UNITS	BALCONY DIMENSIONS	TOTAL NET AREA (SQ. FT.)
S1	0	25	-	0
A1	76	59	9'-10" X 7'-10"	4,484
A1.1	76	12	9'-10" X 7'-10"	912
A1A	76	17	9'-10" X 7'-10"	1,292
A2	66	2	11'-10" X 5'-7"	132
A3	42	44	7'-0" X 6'-0"	1,848
B1	41	5	7'-7" X 5'-4"	205
B2	73	53	8'-0" X 9'-1"	3,869
B3	41	4	6'-0" X 6'-9"	164
TOTAL	**58**	**221**		**12,906**

VEHICLE PARKING SUMMARY

RESIDENTIAL STALLS REQUIRED PER STATE DENSITY BONUS

UNIT TYPE	NUMBER OF UNITS	RATIO	TOTAL STALLS
STUDIOS	25	1.00	25
1 BEDROOM	134	1.00	134
2 BEDROOM	62	1.50	93
TOTAL UNITS	221		252
TOTAL RESIDENTIAL STALLS		**1.14 RATIO**	**252**
USPS STALL PROVIDED			1
LEASING STALLS PROVIDED			3
TOTAL STALLS REQUIRED			**256**

ACCESSIBLE STALLS REQUIRED (CBC 1109A.4 & 1109A.5)

USE TYPE	QUANTITY*	RATIO	TOTAL REQUIRED	NUMBER OF REQUIRED	
				STD.	VAN
ASSIGNED RESIDENTIAL	192	0.02	4	3	1
UNASSIGNED GUEST	0	0.05	0	0	0
UNASSIGNED LEASING	3	0.05	1	0	1
TOTAL ACCESSIBLE STALLS REQUIRED:			**5**	**3**	**2**

NOTE:
* THE ACCESSIBLE STALLS FOR EV ARE CALCULATED BELOW AND NOT INCLUDED IN THIS COUNT.
* (CALCULATED NUMBER OF STALLS = ALL PROVIDED - EV READY CHARGERS & EV READY RECEPTACLES)

EV STALLS REQUIRED (CGBC 4.106.4.2.2.1.b & 4.106.4.2.2.2.b)

EV CATEGORY	NUMBERS OF STALLS	RATIO	REQUIRED
ASSIGNED RESIDENTIAL STALLS			
EV READY - CHARGERS	376	10%	38
EV READY - RECEPTACLES		40%	150
RESIDENTIAL EV STALLS REQUIRED		**50%**	**188**
	TOTAL	1/25 - 8' AISLE*	STANDARD
	188	8	180
UNASSIGNED LEASING STALLS			
EV READY - CHARGERS	3	10%	1
EV READY - RECEPTACLES		40%	2
RESIDENTIAL EV STALLS REQUIRED		**50%**	**3**
	TOTAL	1/25 - 8' AISLE*	STANDARD
	3	1	2

NOTE:
* THE NUMBER OF EV CAPABLESPACES REQUIRED MAY BE REDUCED BY A NUMBER EQUAL TO THE NUMBER OF EV CHARGERS INSTALLED OVER THE FIVE (5) PERCENT REQUIRED. CGBC 4.106.4.2.2 EXCEPTION.
ALL ACCESSIBLE EVSE EQUIPMENT SHALL COMPLY WITH 11B-812. ALL ACCESSIBLE EV STALLS SHALL COMPLY WITH 11A AND 1109A.

RESIDENTIAL STALLS PROVIDED

PARKING LEVEL	STALL COUNT PER USE							TOTAL STALLS PROVIDED
	STANDARD	USPS	GUEST ADA	STANDARD ADA	EV ADA 8' AISLE	EV CHARGERS	EV RECEPTACLES	
1	8	1	0	1	2	2	9	23
2	35			1		7	28	71
3	35			1		7	28	71
4	35			1		7	28	71
5	35			1		7	28	71
6	37					7	29	73
TOTALS	**185**	**1**	**0**	**5**	**2**	**37**	**150**	**380**

TOTAL STALLS PROVIDED

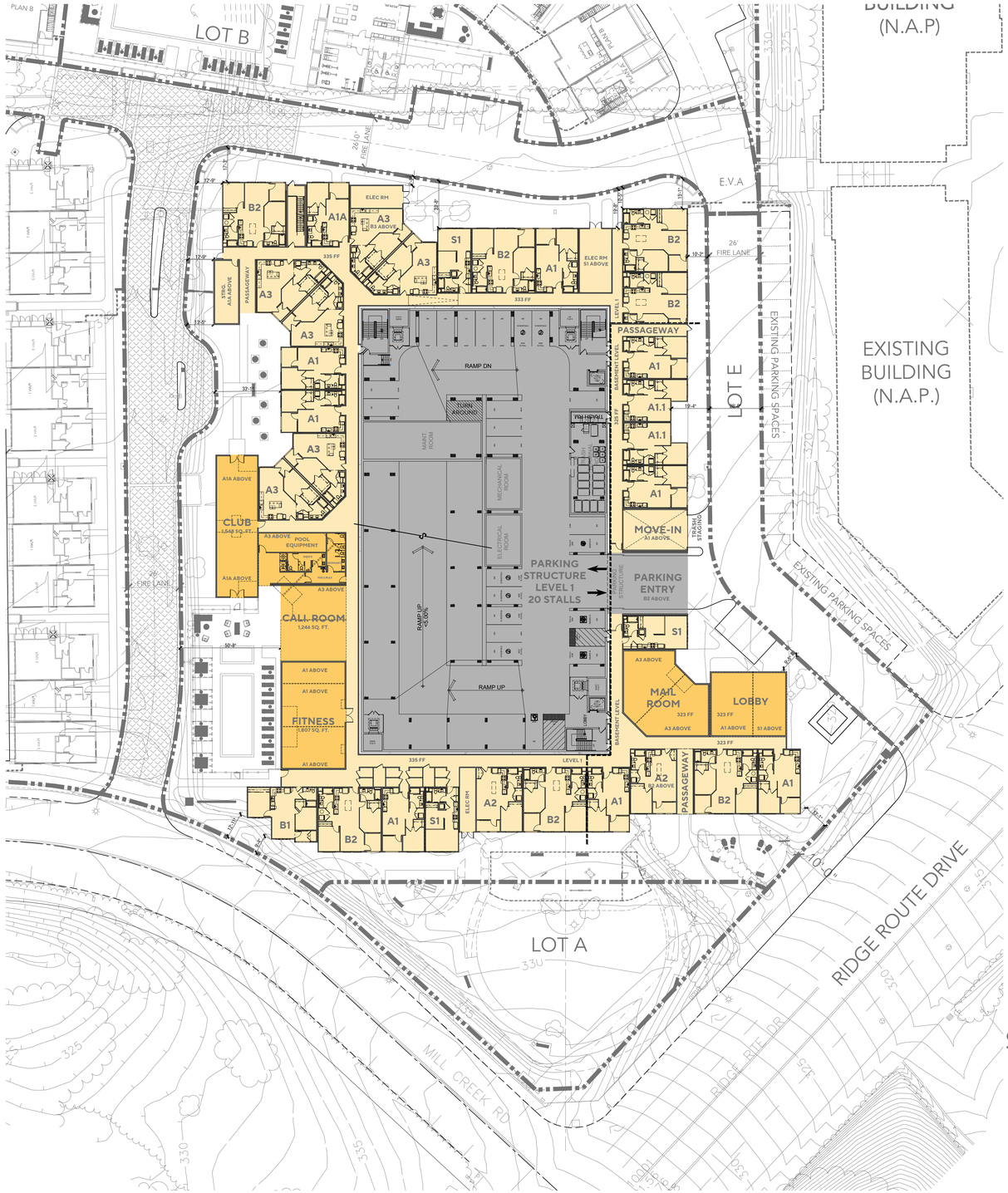
TOTAL STALLS PROVIDED	**380**

TERRAVITA

TERRAVITA IS A 221-UNIT MULTI-FAMILY DEVELOPMENT FEATURING A FIVE-STORY RESIDENTIAL BUILDING DESIGNED AROUND A SIX-LEVEL PARKING STRUCTURE. **TERRAVITA** INCLUDES ± 11,000 SQUARE FEET OF INDOOR AMENITIES AND MULTIPLE LANDSCAPED OUTDOOR COURTYARDS. APARTMENT OPTIONS RANGE FROM STUDIOS TO TWO-BEDROOM UNITS, WITH SIZES VARYING FROM 561 TO 1,179 SQUARE FEET. THE AFFORDABLE UNITS ARE PROVIDED IN THE FORM OF 24 STUDIO UNITS.

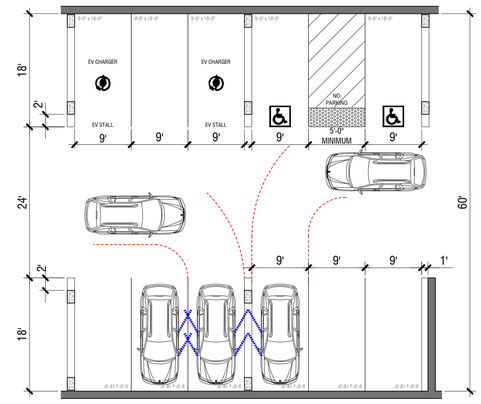
PROJECT ADDRESS: LAGUNA HILLS	
ZONING:	
GROSS LAND AREA:	2.4 ACRES
TOTAL UNITS:	221 UNITS
DENSITY [1]:	92.1 DU/AC
LOT COVERAGE:	71 %
BUILDING GROSS AREA:	233,418 SF
PARKING STRUCTURE GROSS AREA:	161,000 SF

[1] DENSITY CALCULATED FOR PROJECT AS A WHOLE (MULTI-FAMILY & TOWN HOMES).



SITE PLAN

PARKING DIMENSIONS



NOTES:

1. THE PROPOSED DIMENSIONS PROVIDE EQUIVALENT ACCESS AND MANEUVERABILITY TO ALLOW PARKING WITHIN STANDARD OR COLUMN OBSTRUCTED STALLS.
2. THE PROPOSED DIMENSIONS PROVIDE EQUIVALENT OR GREATER DIMENSIONS AND ACCESS FOR PASSENGER LOADING AND UNLOADING AT COLUMN OBSTRUCTED STALLS THAN WHAT IS PROVIDED AT STANDARD STALLS.
3. THE PROPOSED STALL DIMENSIONS ARE 9' X 18' DEEP FOR BOTH STANDARD AND COLUMN OBSTRUCTED STALLS (1' OF ADDITIONAL WIDTH IS PROPOSED AT WALL AND OTHER OBSTRUCTIONS).

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 22-0661

DATE 12 | 18 | 2025

KINGSBARN® CAPITAL & DEVELOPMENT

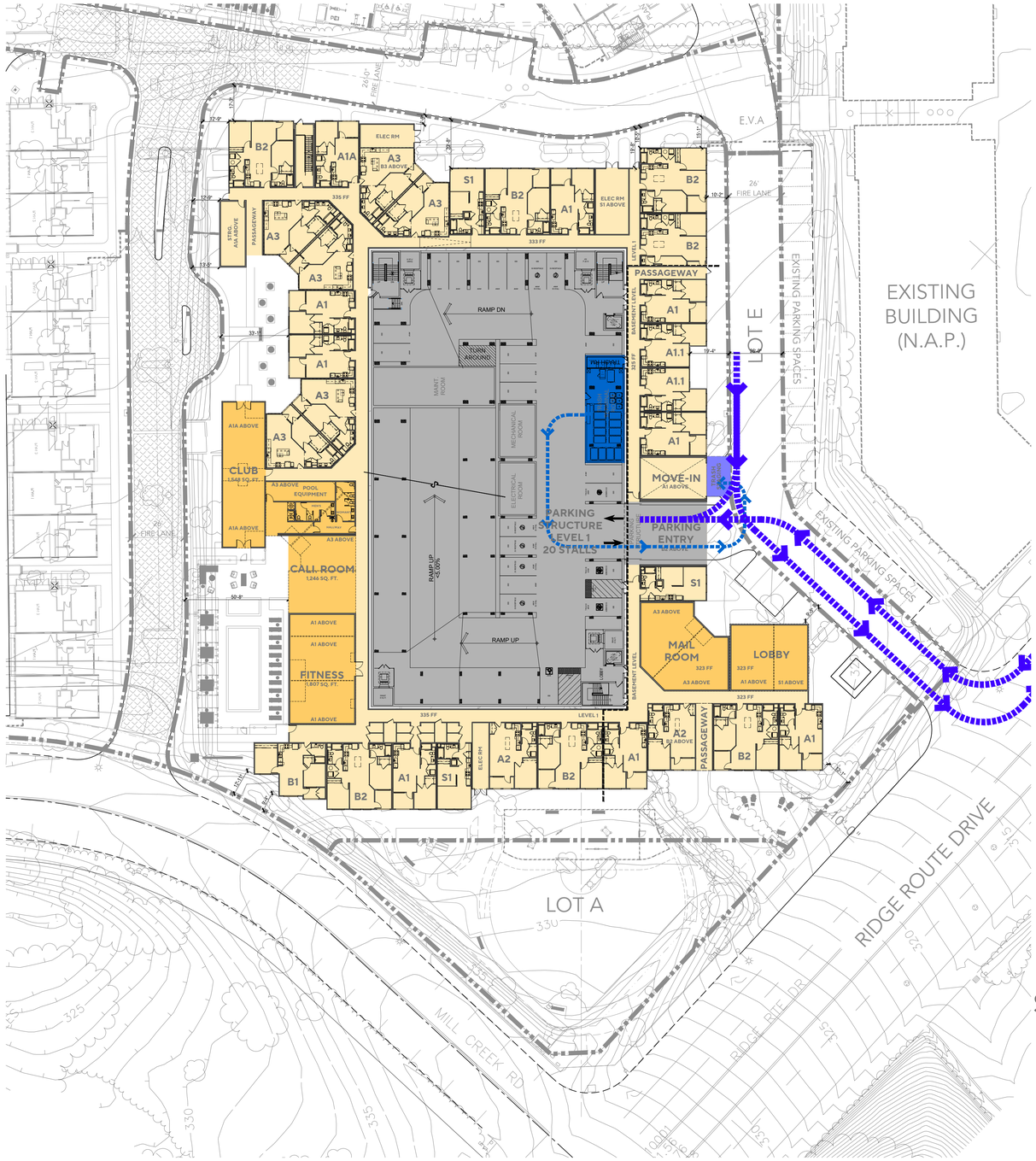
KELEMEN COMPANY

1"=30'-0" SCALE

0 30 60

NORTH

MULTI FAMILY SITE PLAN | A1.0



SITE PLAN

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 22-0661

DATE 12 | 18 | 2025

KINGSBARN® CAPITAL & DEVELOPMENT

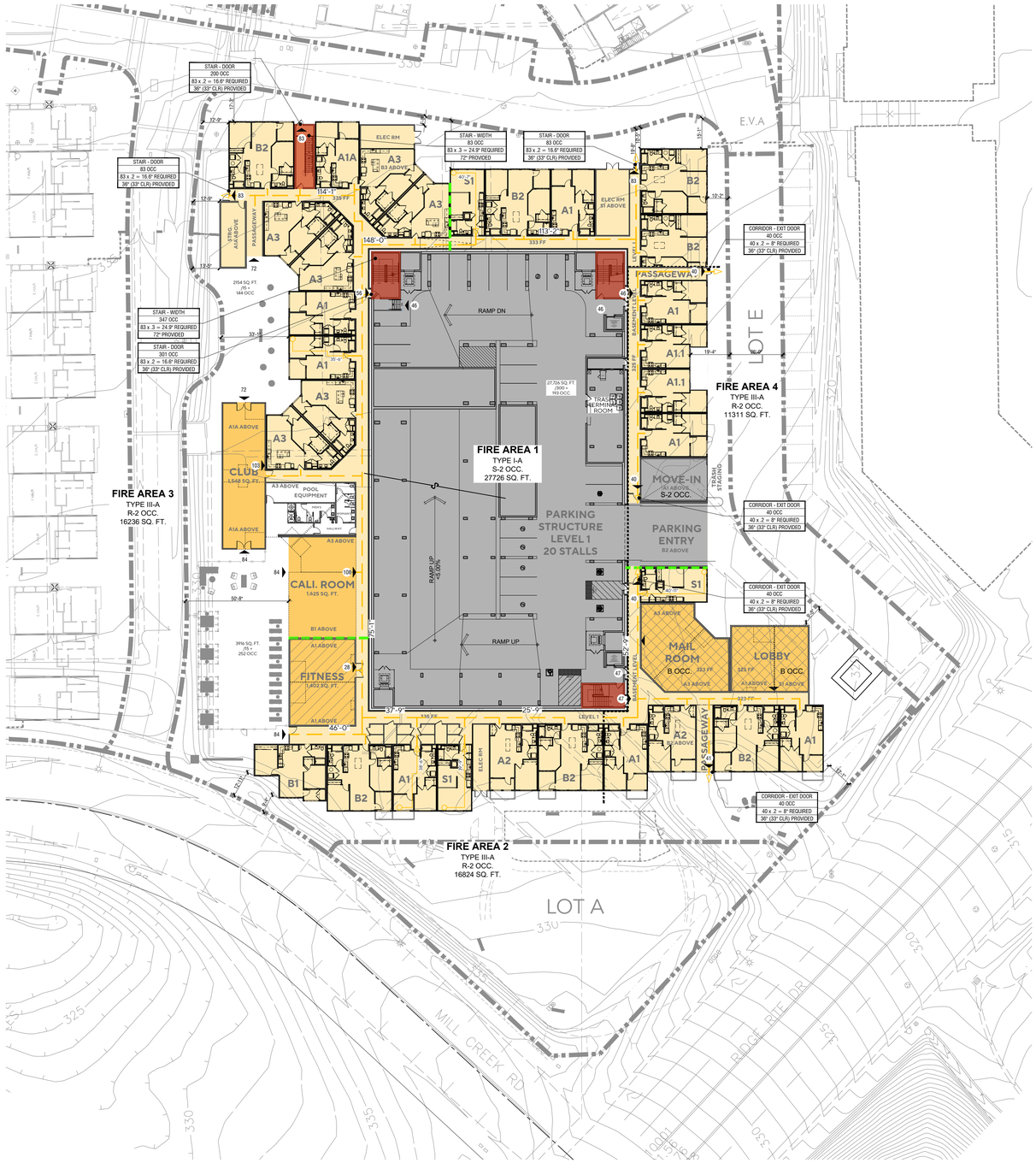
KELEMEN COMPANY

1"=30'-0" SCALE

0 30 60

NORTH

MULTI FAMILY WASTE PLAN | A1.1



SITE PLAN

LEGEND

- STAIRWELL WITH ROOF ACCESS
- FIRE AREA SEPARATION WALL
- ACCESSIBLE MEANS OF EGRESS TO PUBLIC RIGHT-OF-WAY
- # OCCUPANT LOAD COUNT

NOTES

BUILDING OCCUPANCY:	APARTMENTS R-2 & PARKING STRUCTURE S-2
CONSTRUCTION TYPE:	APARTMENTS TYPE III-A & PARKING STRUCTURE TYPE I-A
SYSTEMS:	PARKING STRUCTURE MECHANICALLY VENTILATED
HEIGHT:	± 69'-0"
STORIES:	5 LEVELS OF RESIDENTIAL WITH A PARTIAL BASEMENT

OCCUPANCY TYPE

- S-2 OCCUPANCY
- R-2 OCCUPANCY
- A OCCUPANCY
- A OCCUPANCY - FITNESS
- B OCCUPANCY - LEASING/ MAIL/ COWORK

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 22-0661

DATE 12 | 18 | 2025

KINGSBARN® CAPITAL & DEVELOPMENT

KELEMEN COMPANY

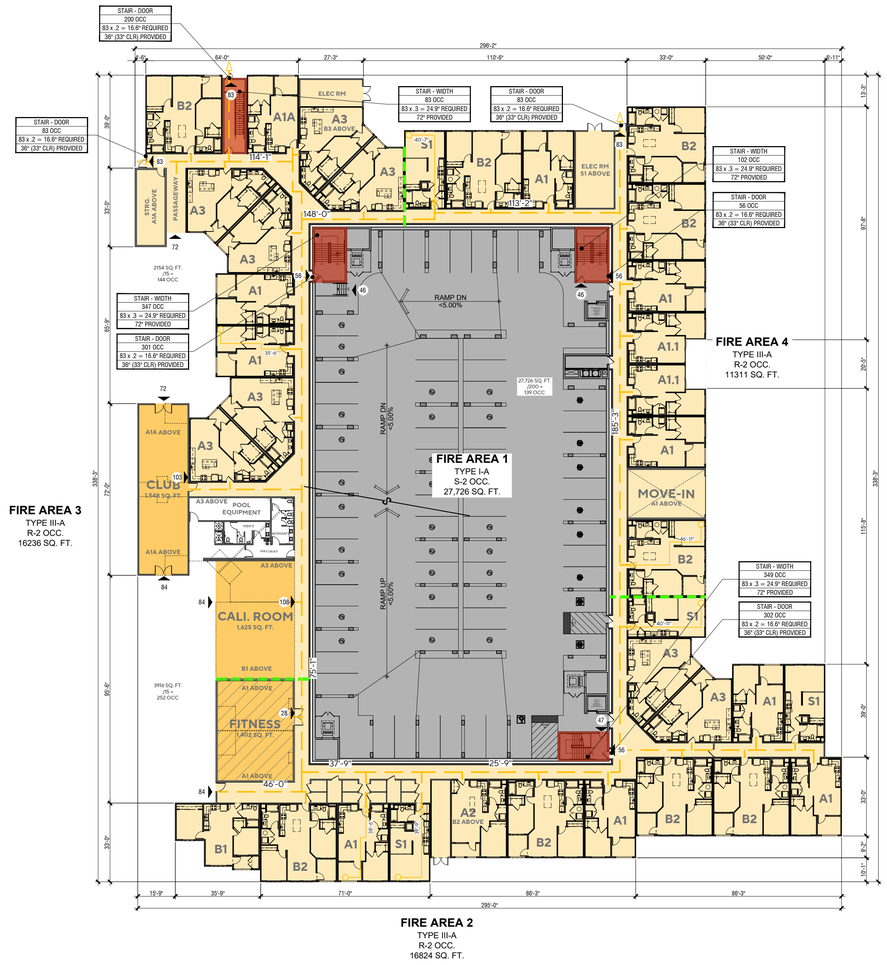
1"=30'-0" SCALE

0 30 60

MULTI FAMILY
EGRESS & AREA SEPARATION | A1.2



BASEMENT



LEVEL 1

OCC. LOAD CALC. - BASEMENT

S-2 OCCUPANCY (200 GROSS / OCCUPANT)
PARKING STRUCTURE / MOVE-IN
(27,726 SF + 710 SF) / 200 = 143 OCC.

R-2 OCCUPANCY (200 GROSS / OCCUPANT)
RESIDENTIAL UNITS
13,864 SF / 200 = 70 OCC.

B-OCCUPANCY (150 GROSS / OCCUPANT)
LEASING/ MAIL/ COWORK
2,795 SF/ 150 = 19 OCC.

OCC. LOAD CALC. - LEVEL 1

S-2 OCCUPANCY (200 GROSS / OCCUPANT)
PARKING STRUCTURE
27,726 SF / 200 = 139 OCC.

R-2 OCCUPANCY (200 GROSS / OCCUPANT)
RESIDENTIAL UNITS
38,215 SF / 200 = 191 OCC.

A OCCUPANCY (15 GROSS / OCCUPANT)
CLUB / CALIFORNIA ROOM
3,173 SF / 15 = 211 OCC.

A OCCUPANCY (50 GROSS / OCCUPANT)
FITNESS
1,402 SF / 50 = 28 OCC.

LEGEND

STAIRWELL WITH ROOF ACCESS

FIRE AREA SEPARATION WALL

ACCESSIBLE MEANS OF EGRESS
TO PUBLIC RIGHT-OF-WAY

OCCUPANT LOAD COUNT

NOTES

BUILDING OCCUPANCY:	APARTMENTS R-2 & PARKING STRUCTURE S-2
CONSTRUCTION TYPE:	APARTMENTS TYPE III-A & PARKING STRUCTURE TYPE I-A
SYSTEMS:	PARKING STRUCTURE MECHANICALLY VENTILATED
HEIGHT:	± 69'-0"
STORIES:	5 LEVELS OF RESIDENTIAL WITH A PARTIAL BASEMENT

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 22-0661

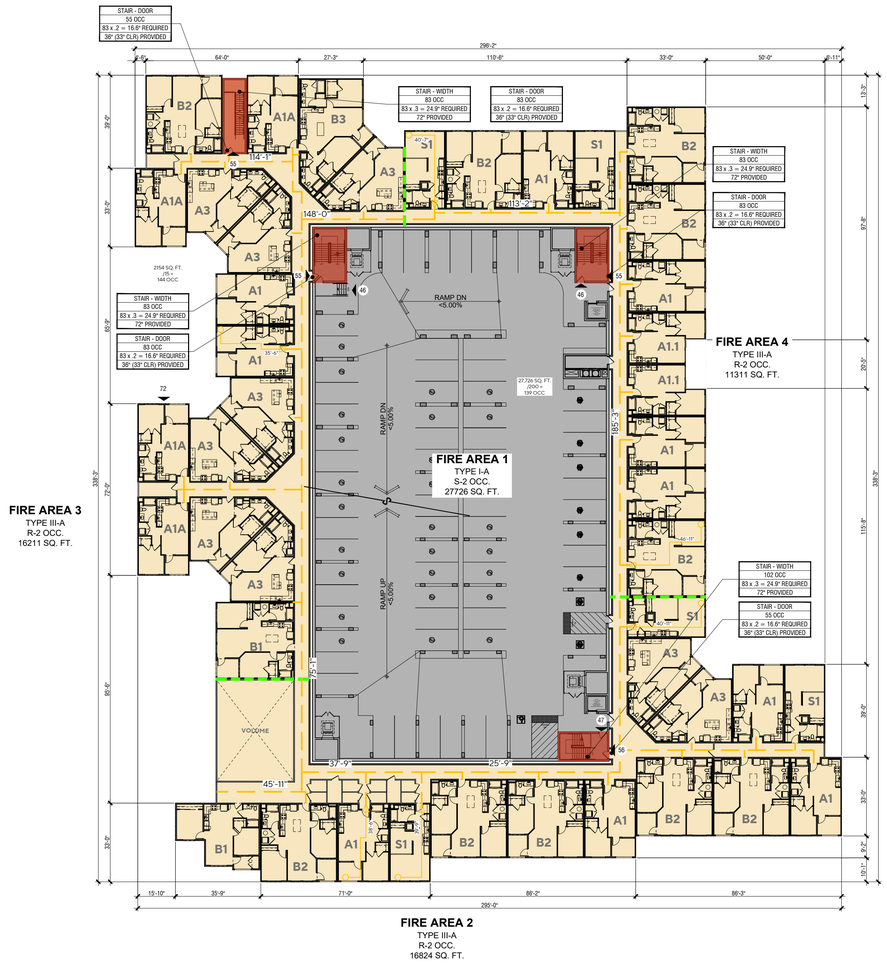
DATE 12 | 18 | 2025

KINGSBARN®
CAPITAL & DEVELOPMENT

KELEMEN
COMPANY

1"=30'-0" SCALE
0 30 60

MULTI FAMILY
EGRESS & AREA SEPARATION | A1.3



TYPICAL UPPER

OCC. LOAD CALC. - TYPICAL UPPER

S-2 OCCUPANCY (200 GROSS / OCCUPANT)
PARKING STRUCTURE
27,726 SF / 200 = 139 OCC.

R-2 OCCUPANCY (200 GROSS / OCCUPANT)
RESIDENTIAL UNITS
44,346 SF / 200 = 222 OCC.

LEGEND

STAIRWELL WITH ROOF ACCESS

FIRE AREA SEPARATION WALL

ACCESSIBLE MEANS OF EGRESS TO PUBLIC RIGHT-OF-WAY

\# OCCUPANT LOAD COUNT

NOTES

BUILDING OCCUPANCY:	APARTMENTS R-2 & PARKING STRUCTURE S-2
CONSTRUCTION TYPE:	APARTMENTS TYPE III-A & PARKING STRUCTURE TYPE I-A
SYSTEMS:	PARKING STRUCTURE MECHANICALLY VENTILATED
HEIGHT:	± 69'-0"
STORIES:	5 LEVELS OF RESIDENTIAL WITH A PARTIAL BASEMENT

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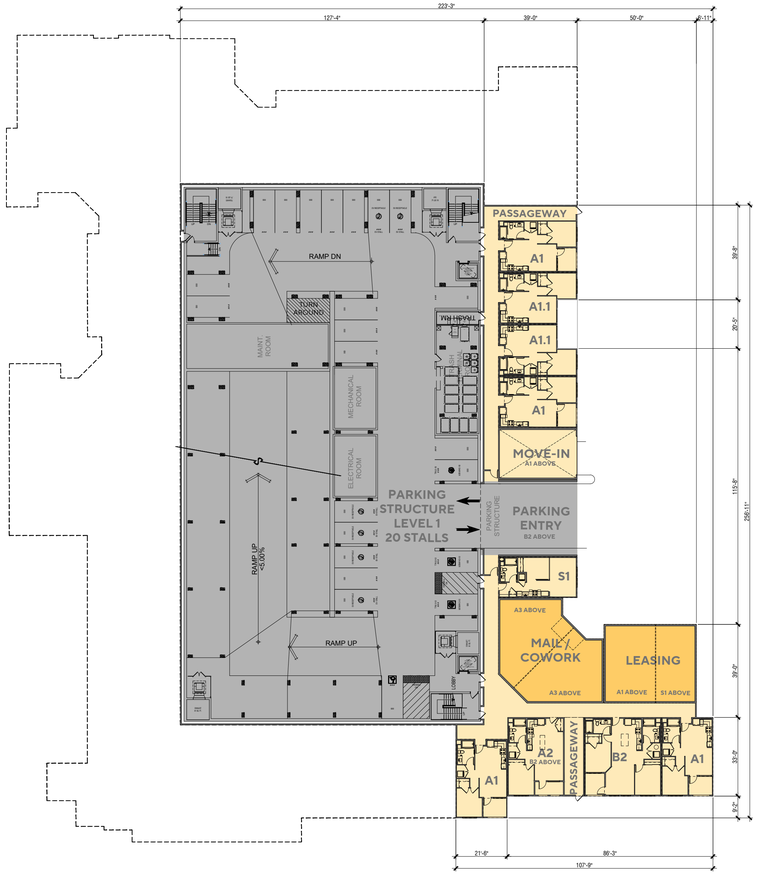
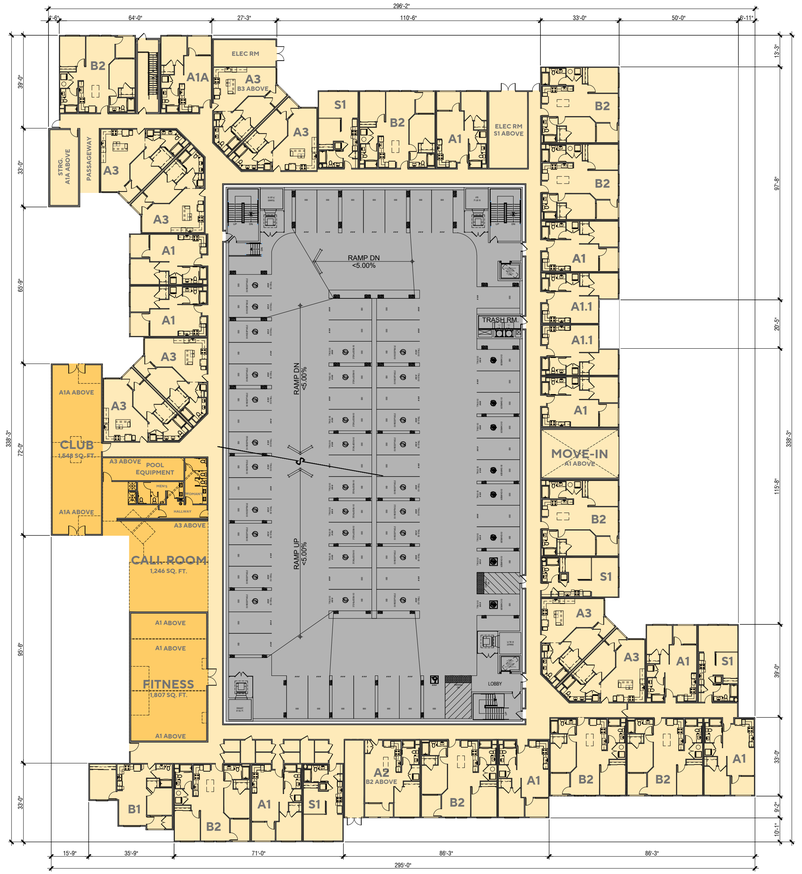
KELEMEN
COMPANY

1"=30'-0" SCALE
0 30 60

MULTI FAMILY
EGRESS & AREA SEPARATION | A1.3A

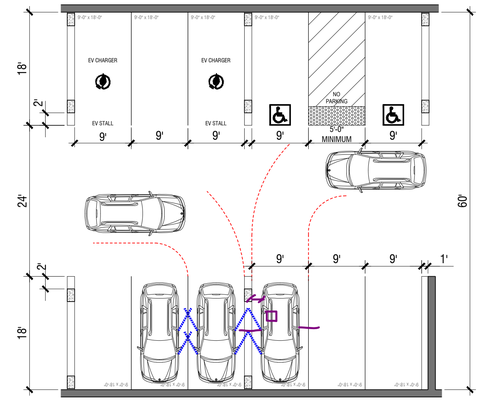


BASEMENT LEVEL



LEVEL 1

PARKING DIMENSIONS



NOTES:

1. THE PROPOSED DIMENSIONS PROVIDE EQUIVALENT ACCESS AND MANEUVERABILITY TO ALLOW PARKING WITHIN STANDARD OR COLUMN OBSTRUCTED STALLS.

2. THE PROPOSED DIMENSIONS PROVIDE EQUIVALENT OR GREATER DIMENSIONS AND ACCESS FOR PASSENGER LOADING AND UNLOADING AT COLUMN OBSTRUCTED STALLS THAN WHAT IS PROVIDED AT STANDARD STALLS.

3. THE PROPOSED STALL DIMENSIONS ARE 9' X 18' DEEP FOR BOTH STANDARD AND COLUMN OBSTRUCTED STALLS (1' OF ADDITIONAL WIDTH IS PROPOSED AT WALL AND OTHER OBSTRUCTIONS).

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KINGSBARN® CAPITAL & DEVELOPMENT

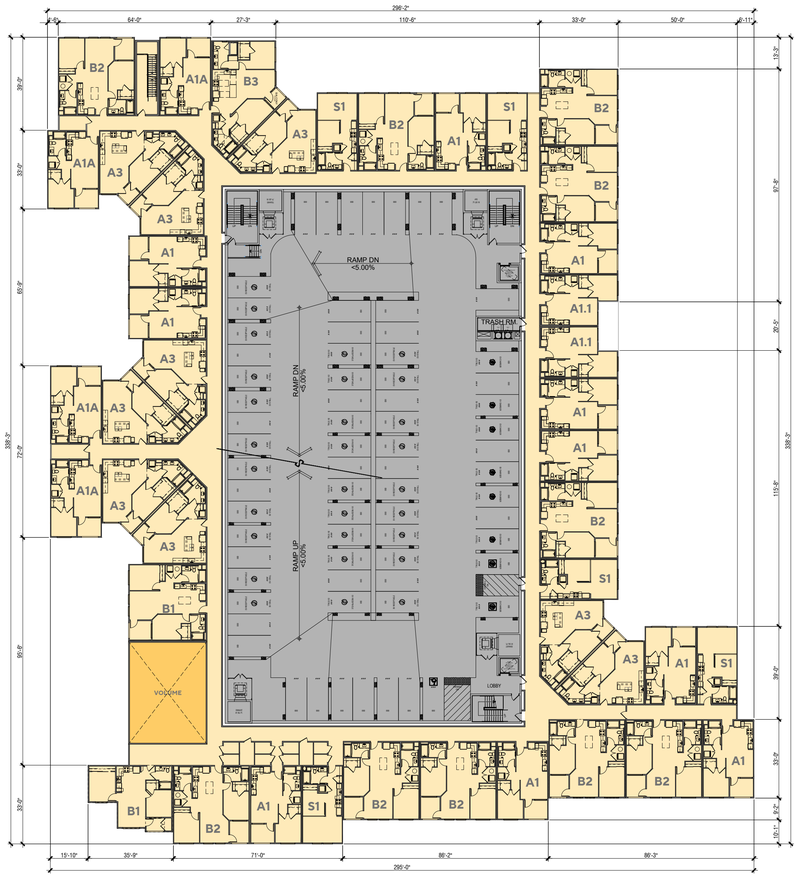
KELEMEN COMPANY

1"=30'-0" SCALE

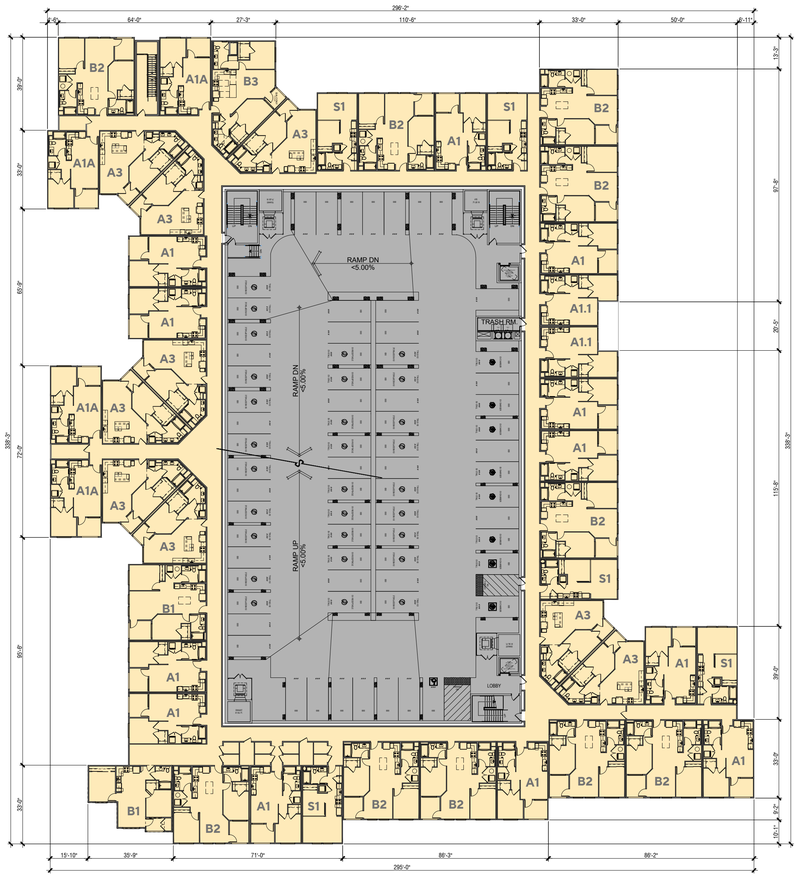
0 30 60

NORTH

MULTI FAMILY
BASEMENT & LEVEL 1 | A1.4

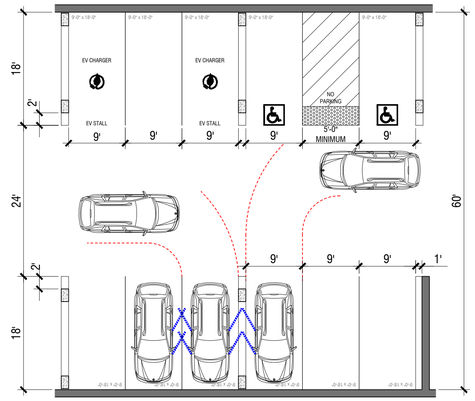


LEVEL 2



LEVEL 3-4

PARKING DIMENSIONS



NOTES:

1. THE PROPOSED DIMENSIONS PROVIDE EQUIVALENT ACCESS AND MANEUVERABILITY TO ALLOW PARKING WITHIN STANDARD OR COLUMN OBSTRUCTED STALLS.
2. THE PROPOSED DIMENSIONS PROVIDE EQUIVALENT OR GREATER DIMENSIONS AND ACCESS FOR PASSENGER LOADING AND UNLOADING AT COLUMN OBSTRUCTED STALLS THAN WHAT IS PROVIDED AT STANDARD STALLS.
3. THE PROPOSED STALL DIMENSIONS ARE 9' X 18' DEEP FOR BOTH STANDARD AND COLUMN OBSTRUCTED STALLS (1' OF ADDITIONAL WIDTH IS PROPOSED AT WALL AND OTHER OBSTRUCTIONS).

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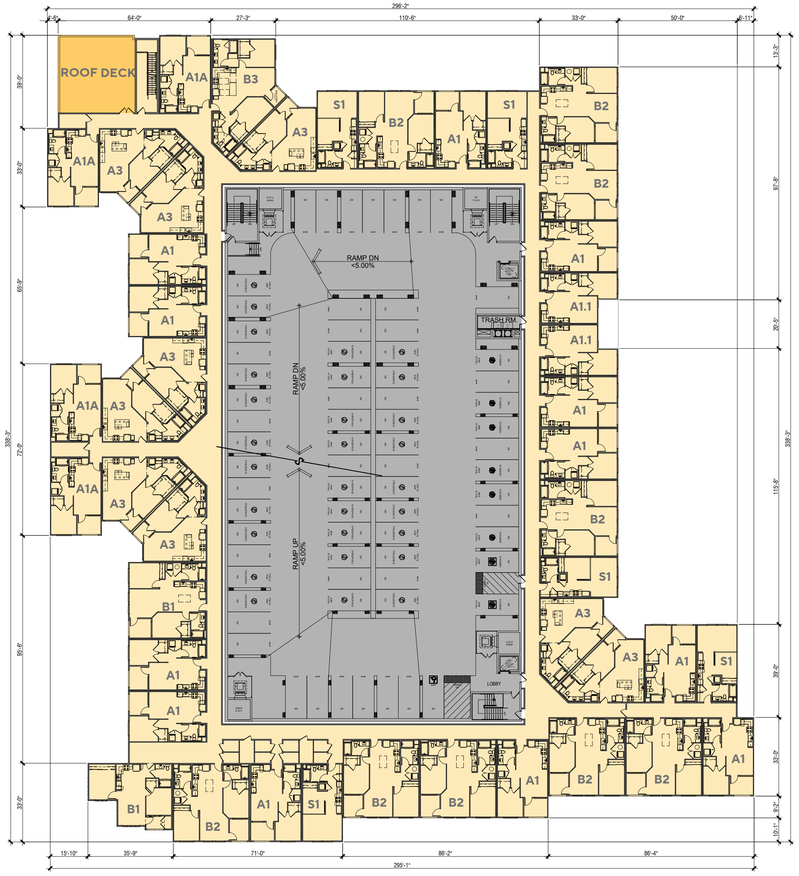
1"=30'-0" SCALE

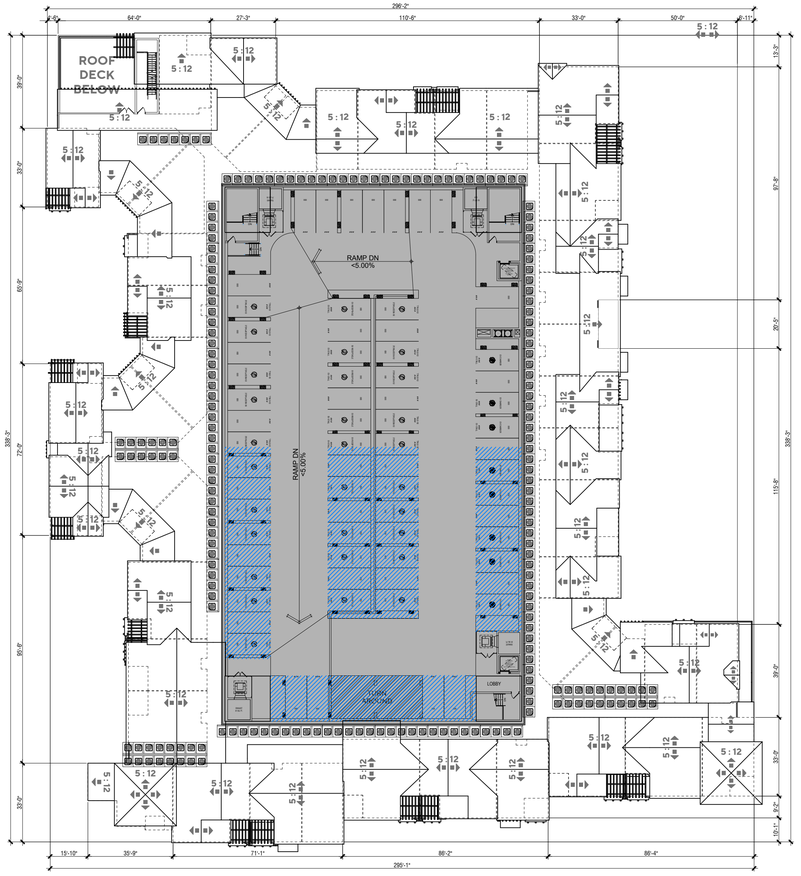
0 30 60

NORTH

MULTI FAMILY
LEVEL 2 & LEVELS 3-4 | A1.5



LEVEL 5



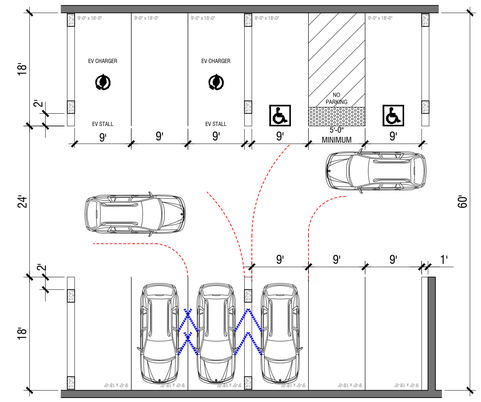
ROOF PLAN
SOLAR PANEL ASSESSMENT

1. OPTIMAL LOCATION SHOWN ABOVE IN BLUE HATCH.
2. LIGHT GAUGE STEEL UTILIZING THE COLUMNS OF THE PARKING STRUCTURE.
3. ENERGY USAGE TO BE VERIFIED BY T-24 REPORT.
4. ENERGY OUTPUT AND SYSTEM SIZE - SOLAR PANEL SYSTEM DESIGN WILL MEET OR EXCEED THE T-24 REQUIREMENTS.
5. PRODUCTION OF THE PROPOSED SOLAR PANEL TO BE DETERMINED.

LEGEND

- LEASING & AMENITIES
- RESIDENTIAL
- PARKING
- PROPOSED SOLAR PANEL LOCATION

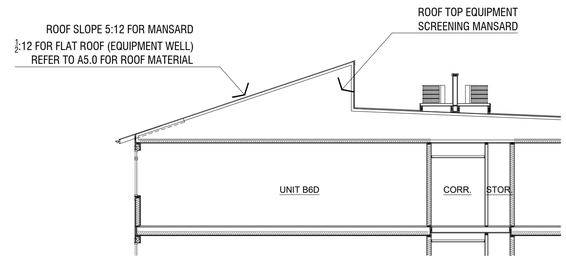
PARKING DIMENSIONS



NOTES:

1. THE PROPOSED DIMENSIONS PROVIDE EQUIVALENT ACCESS AND MANEUVERABILITY TO ALLOW PARKING WITHIN STANDARD OR COLUMN OBSTRUCTED STALLS.
2. THE PROPOSED DIMENSIONS PROVIDE EQUIVALENT OR GREATER DIMENSIONS AND ACCESS FOR PASSENGER LOADING AND UNLOADING AT COLUMN OBSTRUCTED STALLS THAN WHAT IS PROVIDED AT STANDARD STALLS.
3. THE PROPOSED STALL DIMENSIONS ARE 9' X 18' DEEP FOR BOTH STANDARD AND COLUMN OBSTRUCTED STALLS (1' OF ADDITIONAL WIDTH IS PROPOSED AT WALL AND OTHER OBSTRUCTIONS).

ROOFTOP MECHANICAL SCREENING



TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 22-0661

DATE 12 | 18 | 2025

KINGSBARN® CAPITAL & DEVELOPMENT

KELEMEN COMPANY

1"=30'-0" SCALE

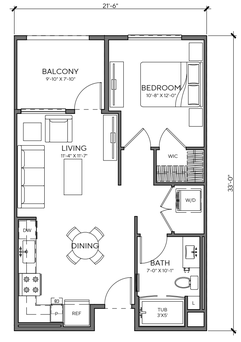
0 30 60

NORTH

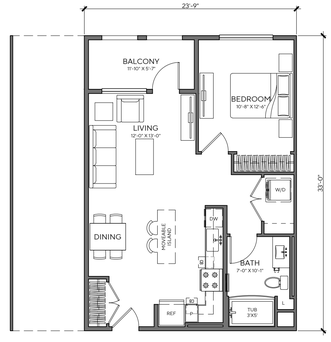
MULTI FAMILY
LEVEL 5 & ROOF PLAN | A1.6



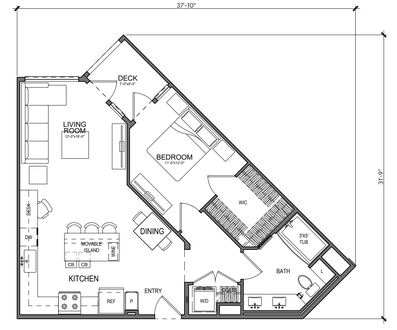
UNIT S1: STUDIO
LIVABLE AREA: 561 SQ. FT.
BALCONY AREA: -



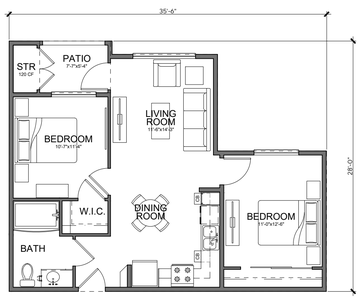
UNIT A1: 1BR|1BA
LIVABLE AREA: 615 SQ. FT.
BALCONY AREA: 76 SQ. FT.



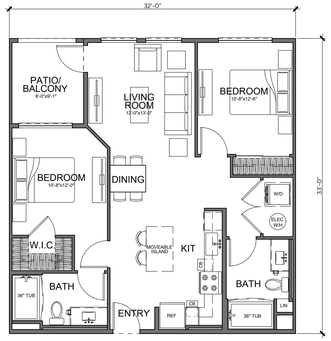
UNIT A2: 1BR|1BA
LIVABLE AREA: 709 SQ. FT.
BALCONY AREA: 66 SQ. FT.



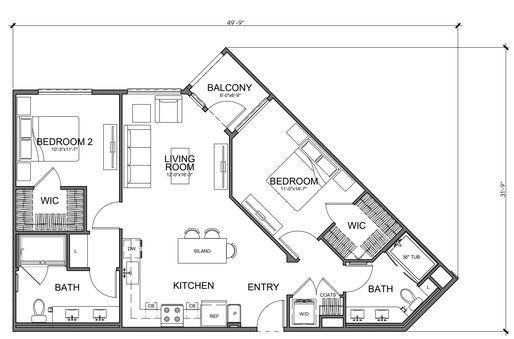
UNIT A3: 1BR|1BA
LIVABLE AREA: 756 SQ. FT.
BALCONY AREA: 42 SQ. FT.



UNIT B1: 2BR|1BA
LIVABLE AREA: 761 SQ. FT.
BALCONY AREA: 41 SQ. FT.



UNIT B2: 2BR|2BA
LIVABLE AREA: 977 SQ. FT.
BALCONY AREA: 73 SQ. FT.



UNIT B3: 2BR|2BA
LIVABLE AREA: 1,079 SQ. FT.
BALCONY AREA: 41 SQ. FT.

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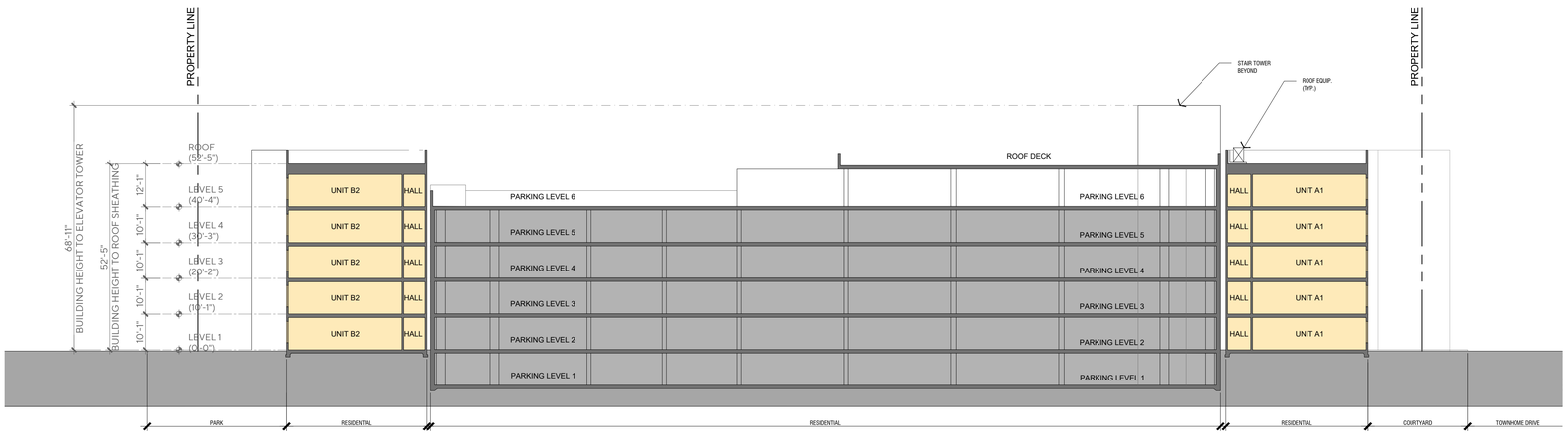
CAPITAL & DEVELOPMENT

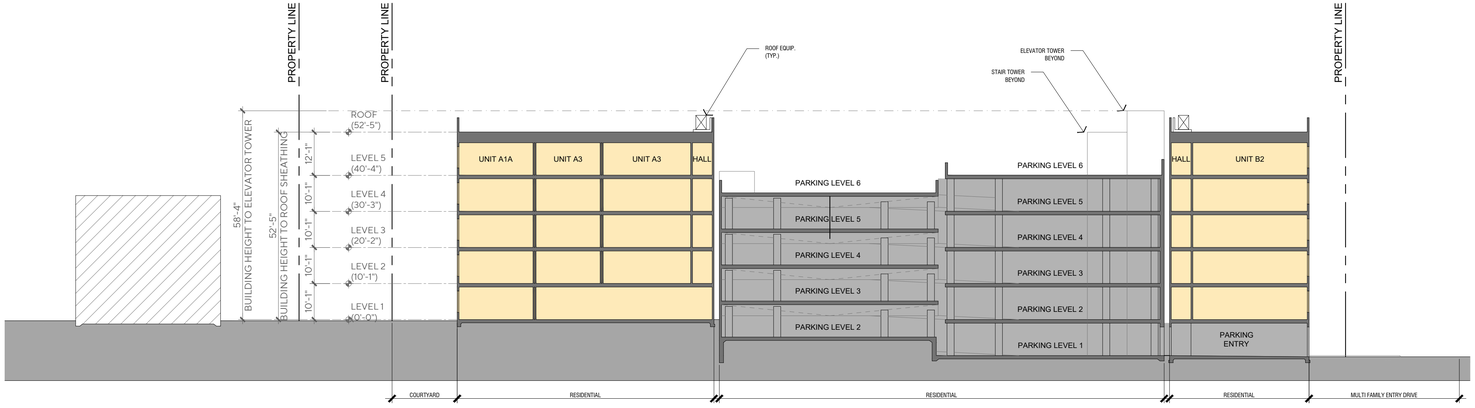
KELEMEN
COMPANY

1/8"=1'-0" SCALE
0 8 16

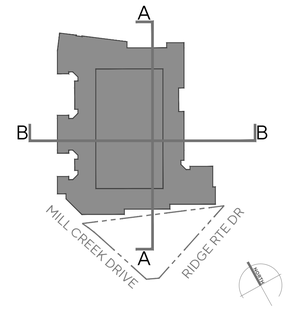
MULTI FAMILY
UNIT PLANS | A2.0



SECTION A-A



SECTION B-B



TERRAVITA

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KINGSBARN | KELEMEN CO. | 22-0661

DATE 12 | 18 | 2025

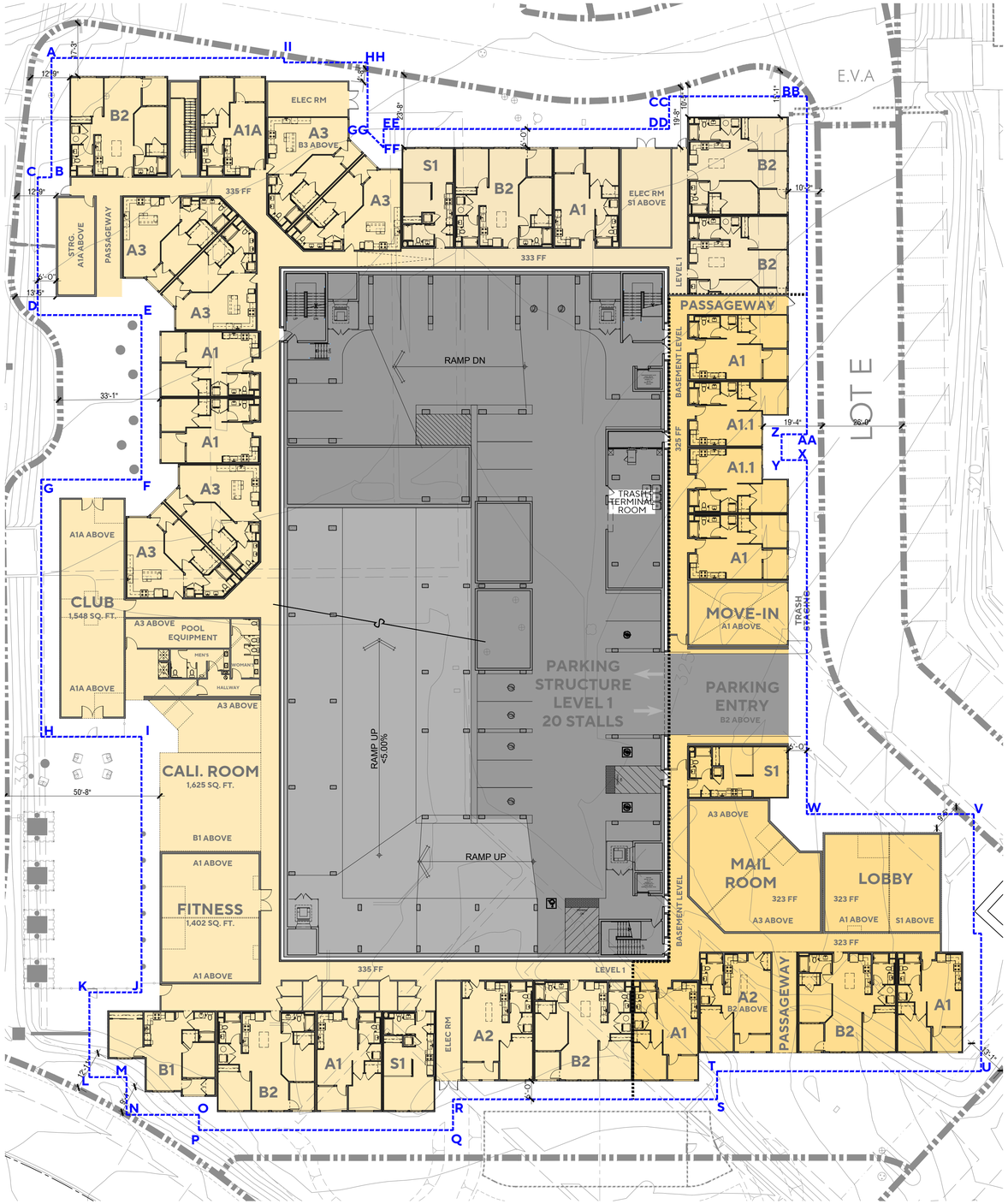
KINGSBARN® CAPITAL & DEVELOPMENT

KELEMEN COMPANY

1"=20'-0" SCALE

0 20 40

MULTI FAMILY BUILDING SECTIONS | A3.0



BUILDING SECTION

SITE PLAN

GRADE PLANE AVERAGE CALCULATION - MIDRISE							
SEGMENT	REFERENCED GRADE ELEVATIONS AND LENGTHS						AVG.
	START POINT FFE	END POINT FFE	AVG. (START + END /2)	X	LENGTH BETWEEN POINTS (IN FEET)	=	
AB	333.00	334.00	333.50	X	39.00	=	13,006.50
BC	334.00	334.00	334.00	X	6.50	=	2,171.00
CD	334.00	334.00	334.00	X	45.00	=	15,030.00
DE	334.00	334.00	334.00	X	34.00	=	11,356.00
EF	334.00	334.00	334.00	X	64.25	=	21,459.50
FG	334.00	334.00	334.00	X	32.75	=	10,938.50
GH	334.00	334.00	334.00	X	84.00	=	28,056.00
HI	334.00	334.00	334.00	X	32.75	=	10,938.50
IJ	334.00	334.00	334.00	X	73.00	=	24,382.00
JK	334.00	334.00	334.00	X	17.00	=	5,678.00
KL	334.00	333.00	333.50	X	27.75	=	9,254.63
LM	333.00	334.00	333.50	X	12.25	=	4,085.38
MN	334.00	333.00	333.50	X	12.25	=	4,085.38
NO	333.00	334.00	333.50		23.50	=	7,837.25
OP	334.00	334.00	334.00	X	5.00	=	1,670.00
PQ	334.00	329.00	331.50	X	83.00	=	27,514.50
QR	329.00	329.00	329.00	X	10.00	=	3,290.00
RS	329.00	323.00	326.00	X	86.25	=	28,117.50
ST	323.00	323.00	323.00	X	9.25	=	2,987.75
TU	323.00	322.00	322.50	X	83.75	=	27,009.38
UV	322.00	322.00	322.00	X	84.00	=	27,048.00
VW	322.00	322.00	322.00	X	54.50	=	17,549.00
WX	322.00	324.00	323.00	X	115.75	=	37,387.25
XY	324.00	324.00	324.00	X	8.25	=	2,673.00
YZ	324.00	325.00	324.50	X	8.50	=	2,758.25
Z-AA	325.00	325.00	325.00	X	8.25	=	2,681.25
AA-BB	325.00	328.00	326.50	X	110.50	=	36,078.25
BB-CC	328.00	329.00	328.50	X	45.00	=	14,782.50
CC-DD	329.00	329.00	329.00	X	10.75	=	3,536.75
DD-EE	329.00	329.00	329.00	X	93.25	=	30,679.25
EE-FF	329.00	329.00	329.00	X	6.00	=	1,974.00
FF-GG	329.00	329.00	329.00	X	7.50	=	2,467.50
GG-HH	329.00	329.00	329.00	X	22.50	=	7,402.50
HH-II	329.00	330.00	329.50	X	27.25	=	8,978.88
II-A	330.00	333.00	331.50	X	76.00	=	25,194.00
TOTAL PERIMETER				=	1459.25		480,058.13
GRADE PLANE AVERAGE				=	328.98		

LEGEND

- RESIDENTIAL
- RESIDENTIAL - BASEMENT LEVEL
- PARKING GARAGE
- PARKING GARAGE - BASEMENT LEVEL

NOTES

DEFINITIONS PER THE 2025 CALIFORNIA BUILDING CODE:

BASEMENT. A STORY THAT IS NOT A STORY ABOVE GRADE PLANE (SEE "STORY ABOVE GRADE PLANE"). THIS DEFINITION OF "BASEMENT" DOES NOT APPLY TO THE PROVISIONS OF SECTION 1612 FOR FLOOR LOADS.

SEE ALSO THE DEFINITION OF "STORY ABOVE GRADE PLANE":

STORY ABOVE GRADE PLANE. ANY STORY HAVING ITS FINISHED FLOOR SURFACE ENTIRELY ABOVE GRADE PLANE, OR IN WHICH THE FINISHED SURFACE OF THE FLOOR NEXT ABOVE IS:

1. MORE THAN 6 FEET (1829 MM) ABOVE GRADE PLANE; OR
2. MORE THAN 12 FEET (3658 MM) ABOVE THE FINISHED GROUND LEVEL AT ANY POINT.

SEE ALSO THE DEFINITION OF "GRADE PLANE":

GRADE PLANE. A REFERENCE PLANE REPRESENTING THE AVERAGE OF FINISHED GROUND LEVEL ADJOINING THE BUILDING AT EXTERIOR WALLS. WHERE THE FINISHED GROUND LEVEL SLOPES AWAY FROM THE EXTERIOR WALLS, THE REFERENCE PLANE SHALL BE ESTABLISHED BY THE LOWEST POINTS WITHIN THE AREA BETWEEN THE BUILDING AND THE LOT LINE OR, WHERE THE LOT LINE IS MORE THAN 6 FEET (1829 MM) FROM THE BUILDING, BETWEEN THE BUILDING AND A POINT 6 FEET (1829 MM) FROM THE BUILDING.

TERRAVITA

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KINGSBARN | KELEMEN CO. | 22-0661

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KINGSBARN® CAPITAL & DEVELOPMENT

KELEMEN COMPANY

1"=20'-0" SCALE

0 20 40

MULTI FAMILY
AVERAGE GRADE EXHIBIT | A3.1



1. NORTH ELEVATION



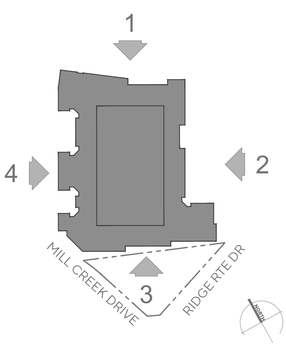
2. EAST ELEVATION



3. SOUTH ELEVATION



4. WEST ELEVATION



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CAPITAL & DEVELOPMENT

KELEMEN
COMPANY

1"=20'-0" SCALE

0 20 40

MULTI FAMILY
BUILDING ELEVATIONS | A4.0



SOUTH ELEVATION

COLORS

A. SW 7757 HIGH REFLECTIVE WHITE

B. SW 9061 SYMMETRY

C. SW 9594 SETTLEMENT

D. SW 7034 STATUS BRONZE

E. SW 6258 TRICORN BLACK

MATERIALS



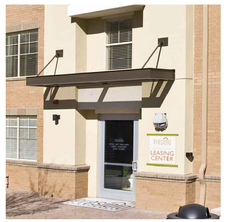
1. STUCCO 20/30 - LIGHT SAND FINISH



2. STUCCO - SANTA BARBARA FINISH



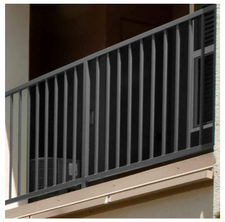
3. PORCELAIN TILE



4. METAL CANOPY



5. METAL AWNING



6. METAL RAILING



7. ALUMINUM WINDOW SYSTEM



8. VINYL WINDOWS



9. TRELLIS STRUCTURE



10. CONCRETE TILE ROOF

TERRAVITA

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KINGSBARN®
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KELEMEN
COMPANY

MULTI FAMILY
COLOR & MATERIAL | A5.0

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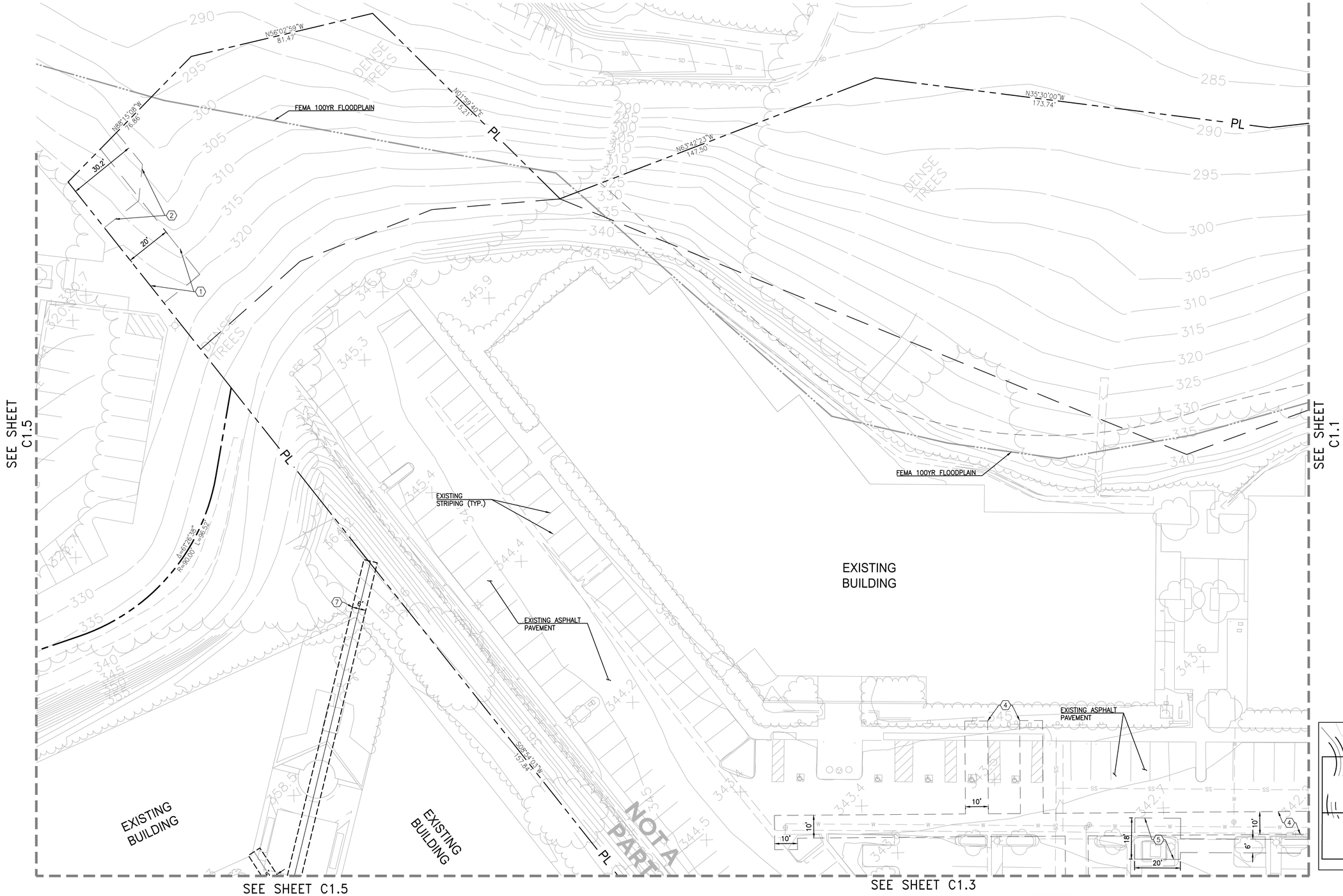
CAPITAL & DEVELOPMENT

KELEMEN
COMPANY

MULTI FAMILY
ARTIST RENDERING | A6.0

EXISTING CONDITIONS PLAN



LEGEND

EXISTING:

STREET LIGHT	
SEWER PIPE	SS
SEWER MANHOLE	
UTILITY VALVE	
FIRE WATER	FW
DOMESTIC WATER	W
STORM DRAIN	SD
FIRE HYDRANT	
ELECTRICAL	E
GAS	G
FENCE	X
RIGHT OF WAY / PROPERTY LINE	R/W PL

EASEMENTS NOTES

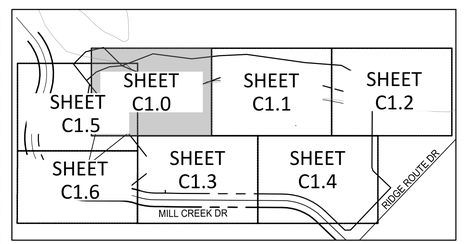
(1) EASEMENT FOR OPEN YARD SPACE, RECORDED OCTOBER 8, 1982, INSTRUMENT NO.82–3555433, OF OFFICIAL RECORDS.

(2) EASEMENT FOR EXCAVATION, CONSTRUCTION, GRADING, IMPROVEMENT, USE AND MAINTENANCE OF SLOPES RECORDED OCTOBER 8, 1982, INSTRUMENT NO. 82–355434, OF OFFICIAL RECORDS.

(4) EASEMENT FOR PIPELINE OR PIPELINES, RECORDED SEPTEMBER 3, 1987, INSTRUMENT NO. 87–502144, AND RE–RECORDED JUNE 1, 19989, INSTRUMENT NO.89–289215, AND RE–RECORDED NOVEMBER 23,1999 INSTRUMENT NO. 99–811213, OF OFFICIAL RECORDS.

(5) EASEMENT FOR PUBLIC UTILITIES, RECORDED SEPTEMBER 6, 1988, INSTRUMENT NO. 88–447131, AND RE–RECORDED JULY 18, 1989, INSTRUMENT NO. 89–377312, OF OFFICIAL RECORDS.

(7) EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES, RECORDED 12, 1984 AS INSTRUMENT NO. 84–423525 OF OFFICIAL RECORDS. IN FAVOR OF: SOUTHERN CALIFORNIA EDISON COMPANY.



TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 24-099

DATE 09 | 25 | 24

REGISTERED PROFESSIONAL ENGINEER KENNETH T. KOZLIK No. RCE 71883 Civil STATE OF CALIFORNIA

KINGSBARN® CAPITAL & DEVELOPMENT

KELEMEN COMPANY

FUSCOE ENGINEERING

1"=20'–0"SCALE 0 20 40

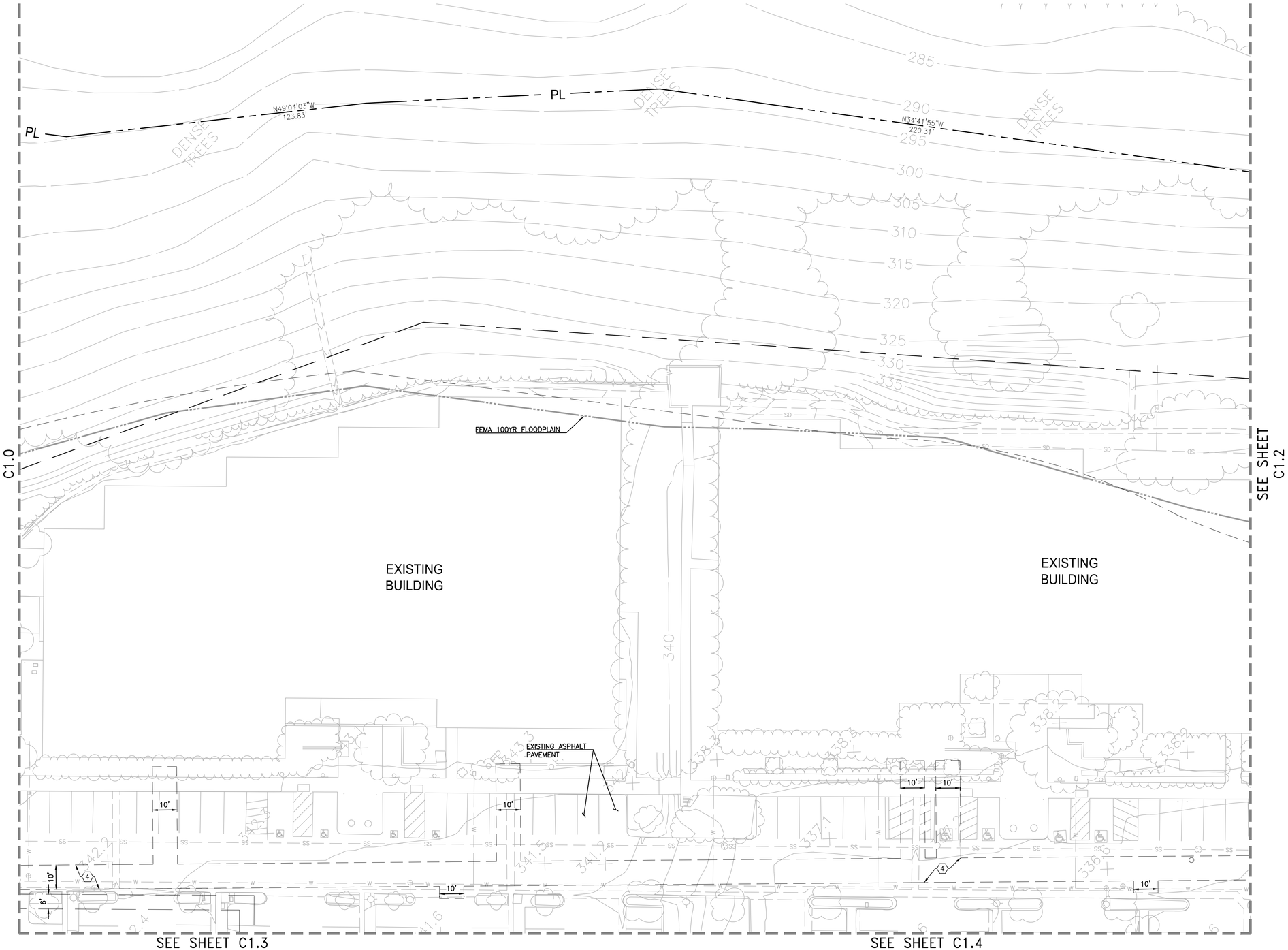
NORTH

F:\PROJECTS\4014\002\PLANS\ENTITLEMENTS\CONCEPTUAL GRADING PLAN\4014–002 EX.DWG (09–25–2025 10:46:35AM) Plotted by: nmalone

EXISTING CONDITIONS PLAN | C1.0

URBAN ARENA

EXISTING CONDITIONS PLAN



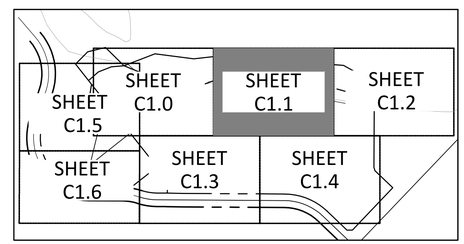
LEGEND

EXISTING:

- STREET LIGHT
- SEWER PIPE — SS
- SEWER MANHOLE
- UTILITY VALVE
- FIRE WATER — FW
- DOMESTIC WATER — W
- STORM DRAIN — SD
- FIRE HYDRANT
- ELECTRICAL — E
- GAS — G
- FENCE — X
- RIGHT OF WAY / PROPERTY LINE — R/W PL

EASEMENTS NOTES

(4) EASEMENT FOR PIPELINE OR PIPELINES, RECORDED SEPTEMBER 3, 1987, INSTRUMENT NO. 87-502144, AND RE-RECORDED JUNE 1, 19989, INSTRUMENT NO.89-289215, AND RE-RECORDED NOVEMBER 23,1999 INSTRUMENT NO. 99-811213, OF OFFICIAL RECORDS.



TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 24-099

DATE 09 | 25 | 24

REGISTERED PROFESSIONAL ENGINEER
KENNETH T. KOLLIK
No. RCE 71883
Civil
STATE OF CALIFORNIA

KINGSBARN®
CAPITAL & DEVELOPMENT

KELEMEN COMPANY

FUSCOE ENGINEERING

1"=20'-0" SCALE
0 20 40

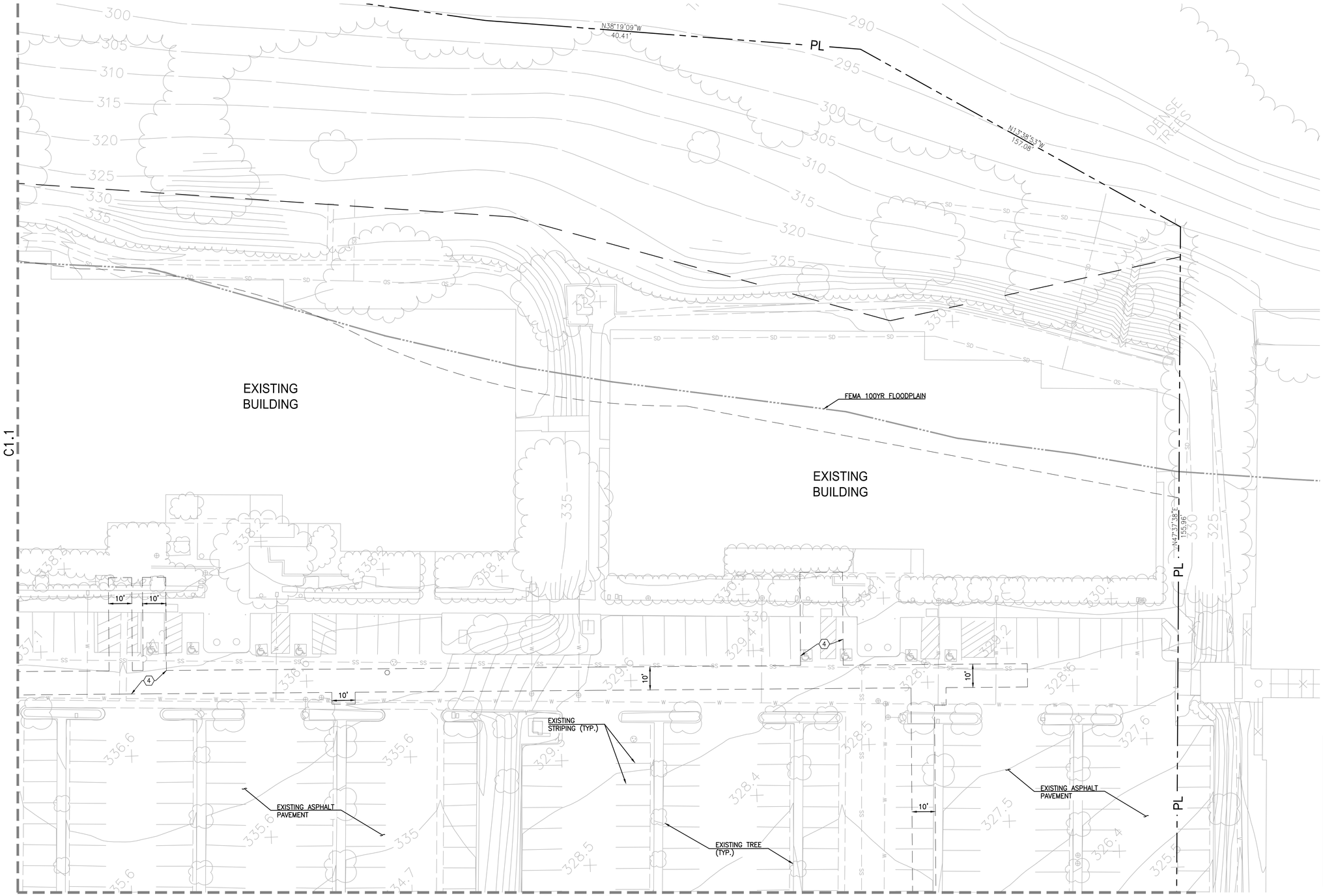
NORTH

F:\PROJECTS\4014\002\PLANS\ENTITLEMENTS\CONCEPTUAL GRADING PLAN\4014-002 EX.DWG (09-25-2025 10:46:42AM) Plotted by: nmalone

EXISTING CONDITIONS PLAN | C1.1

URBAN ARENA

EXISTING CONDITIONS PLAN



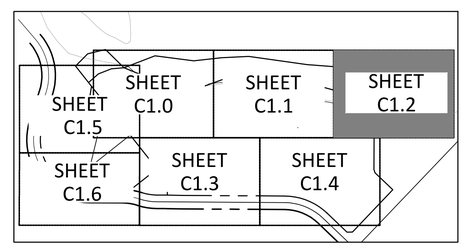
LEGEND

EXISTING:

- STREET LIGHT
- SEWER PIPE (SS)
- SEWER MANHOLE
- UTILITY VALVE
- FIRE WATER (FW)
- DOMESTIC WATER (W)
- STORM DRAIN (SD)
- FIRE HYDRANT
- ELECTRICAL (E)
- GAS (G)
- FENCE (X)
- RIGHT OF WAY / PROPERTY LINE (R/W, PL)

EASEMENTS NOTES

(4) EASEMENT FOR PIPELINE OR PIPELINES, RECORDED SEPTEMBER 3, 1987, INSTRUMENT NO. 87-502144, AND RE-RECORDED JUNE 1, 19989, INSTRUMENT NO.89-289215, AND RE-RECORDED NOVEMBER 23,1999 INSTRUMENT NO. 99-811213, OF OFFICIAL RECORDS.



TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 24-099

DATE 09 | 25 | 24

REGISTERED PROFESSIONAL ENGINEER — KENNETH T. KOZLIK — No. RCE 71883 — Civil — STATE OF CALIFORNIA

KINGSBARN® CAPITAL & DEVELOPMENT

KELEMEN COMPANY

FUSCOE ENGINEERING

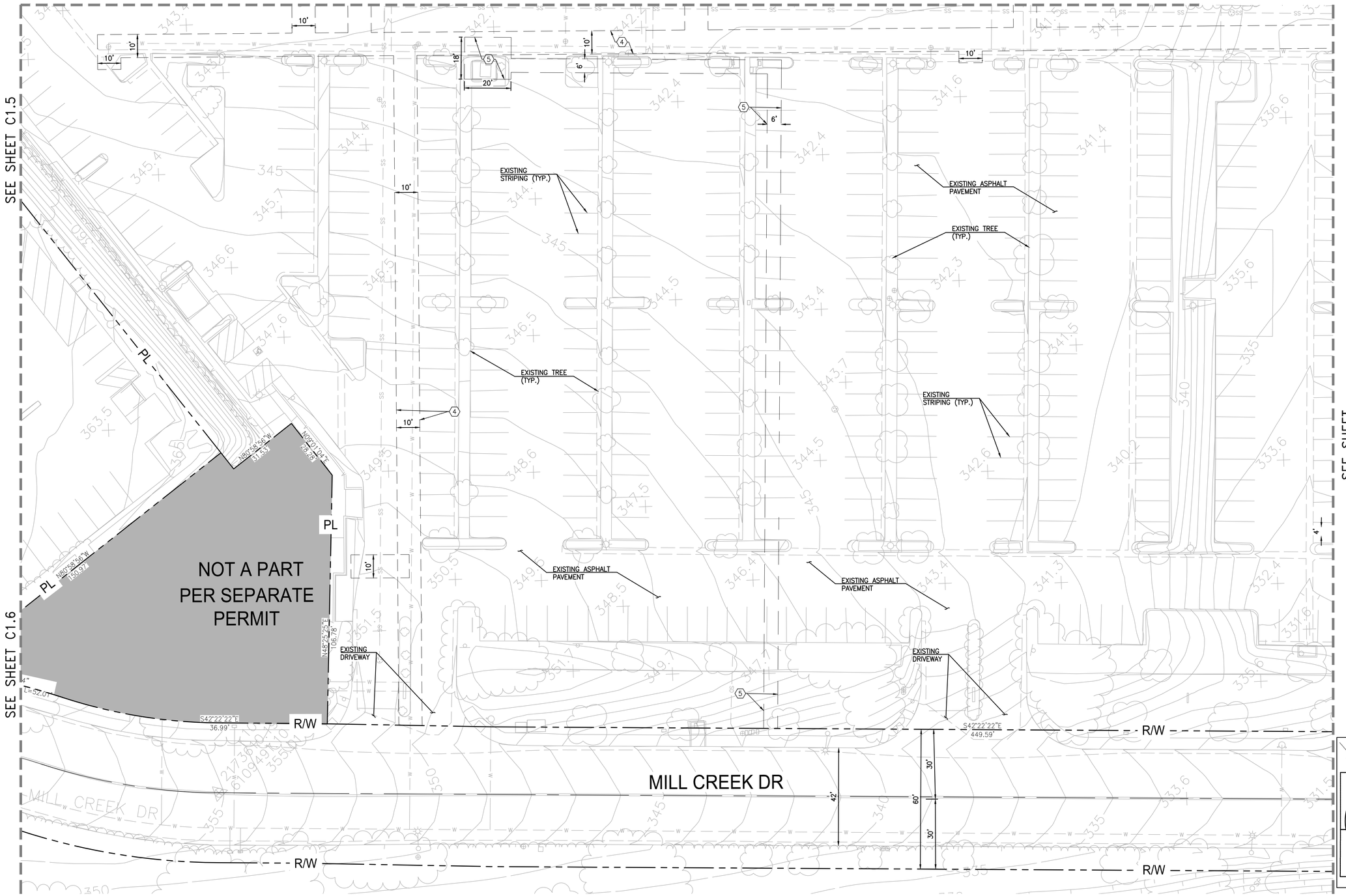
1"=20'-0"SCALE (0, 20, 40) NORTH

F:\PROJECTS\4014\002\PLANS\ENTITLEMENTS\CONCEPTUAL GRADING PLAN\4014-002 EX.DWG (09-25-2025 10:46:51AM) Plotted by: nmalone

EXISTING CONDITIONS PLAN | C1.2

URBAN ARENA

EXISTING CONDITIONS PLAN



LEGEND

EXISTING:

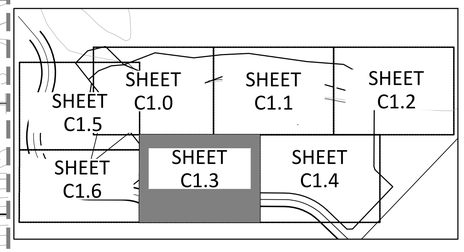
STREET LIGHT	
SEWER PIPE	SS
SEWER MANHOLE	
UTILITY VALVE	
FIRE WATER	FW
DOMESTIC WATER	W
STORM DRAIN	SD
FIRE HYDRANT	
ELECTRICAL	E
GAS	G
FENCE	X
RIGHT OF WAY / PROPERTY LINE	R/W PL

EASEMENTS NOTES

(4) EASEMENT FOR PIPELINE OR PIPELINES, RECORDED SEPTEMBER 3, 1987, INSTRUMENT NO. 87-502144, AND RE-RECORDED JUNE 1, 19989, INSTRUMENT NO.89-289215, AND RE-RECORDED NOVEMBER 23,1999 INSTRUMENT NO. 99-811213, OF OFFICIAL RECORDS.

(5) EASEMENT FOR PUBLIC UTILITIES, RECORDED SEPTEMBER 6, 1988, INSTRUMENT NO. 88-447131, AND RE-RECORDED JULY 18, 1989, INSTRUMENT NO. 89-377312, OF OFFICIAL RECORDS.

(8) EASEMENT FOR INSTALL, ENLARGE, CONSTRUCT, RECONSTRUCT, REMOVE AND REPLACE, OPERATE, INSPECT, MAINTAIN REPAIR, IMPROVE AND RELOCATE PIPELINES, TOGETHER WITH INCIDENTAL APPURTENANCES, RECORDED NOVEMBER 2,1999, INSTRUMENT NO. 99-767419, OFFICIAL RECORDS.



TERRAVITA
LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 24-099
DATE 09 | 25 | 24

REGISTERED PROFESSIONAL ENGINEER — KENNETH T. KOZLIK — No. RCE 71883 — Civil — STATE OF CALIFORNIA

KINGSBARN® CAPITAL & DEVELOPMENT

KELEMEN COMPANY

FUSCOE ENGINEERING

1"=20'-0" SCALE (0, 20, 40) NORTH

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EXISTING CONDITIONS PLAN | C1.3

URBAN ARENA

EXISTING CONDITIONS PLAN



LEGEND

EXISTING:

- STREET LIGHT
- SEWER PIPE
- SEWER MANHOLE
- UTILITY VALVE
- FIRE WATER
- DOMESTIC WATER
- STORM DRAIN
- FIRE HYDRANT
- ELECTRICAL
- GAS
- FENCE
- RIGHT OF WAY PROPERTY LINE

EASEMENTS NOTES

1. EASEMENT FOR OPEN YARD SPACE, RECORDED OCTOBER 8, 1982, INSTRUMENT NO.82-3555433, OF OFFICIAL RECORDS.
4. EASEMENT FOR PIPELINE OR PIPELINES, RECORDED SEPTEMBER 3, 1987, INSTRUMENT NO. 87-502144, AND RE-RECORDED JUNE 1, 19989, INSTRUMENT NO.89-289215, AND RE-RECORDED NOVEMBER 23,1999 INSTRUMENT NO. 99-811213, OF OFFICIAL RECORDS.

TERRAVITA

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KINGSBARN | KELEMEN CO. | 24-099

DATE 09 | 25 | 24

REGISTERED PROFESSIONAL ENGINEER KENNETH T. KOZLIK No. RCE 71883 Civil STATE OF CALIFORNIA

KINGSBARN® CAPITAL & DEVELOPMENT

KELEMEN COMPANY

FUSCOE ENGINEERING

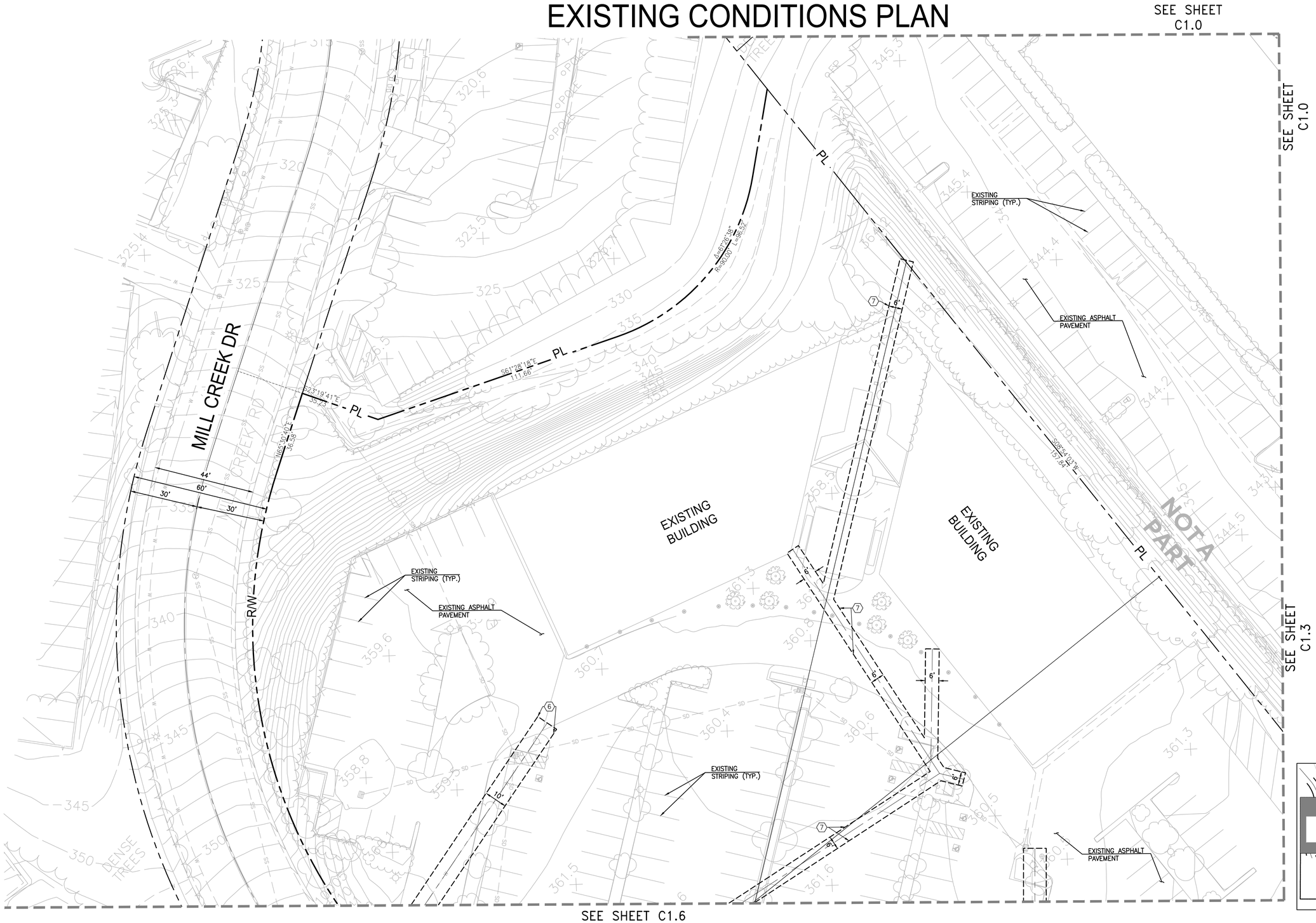
1"=20'-0" SCALE 0 20 40 NORTH

EXISTING CONDITIONS PLAN | C1.4

URBAN ARENA

F:\PROJECTS\4014\002\PLANS\ENTITLEMENTS\CONCEPTUAL GRADING PLAN\4014-002 EX.DWG (09-25-2025 10:47:12AM) Plotted by: nmalone

EXISTING CONDITIONS PLAN



LEGEND

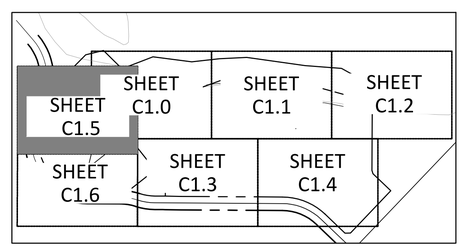
EXISTING:

- STREET LIGHT
- SEWER PIPE
- SEWER MANHOLE
- UTILITY VALVE
- FIRE WATER
- DOMESTIC WATER
- STORM DRAIN
- FIRE HYDRANT
- ELECTRICAL
- GAS
- FENCE
- RIGHT OF WAY PROPERTY LINE

EASEMENTS NOTES

(6) EASEMENT FOR PIPE LINES AND INCIDENTAL PUIRPOSES, RECORDED JANUARY 19, 1984 AS INSTRUMENT NO. 84-027274 OF OFFICIAL RECORDS. IN FAVOR OF: EL TORO WATER DISTRICT.

(7) EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES, RECORDED OCTOBER 12, 1984 AS INSTRUMENT NO. 84-423525 OF OFFICIAL RECORDS. IN FAVOR OF: SOUTHERN CALIFORNIA EDISON COMPANY.



TERRAVITA

LAGUNA HILLS | CA

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DATE 09 | 25 | 24

REGISTERED PROFESSIONAL ENGINEER KENNETH T. KOZLIK No. RCE 71883 Civil STATE OF CALIFORNIA

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KELEMEN COMPANY

FUSCOE ENGINEERING

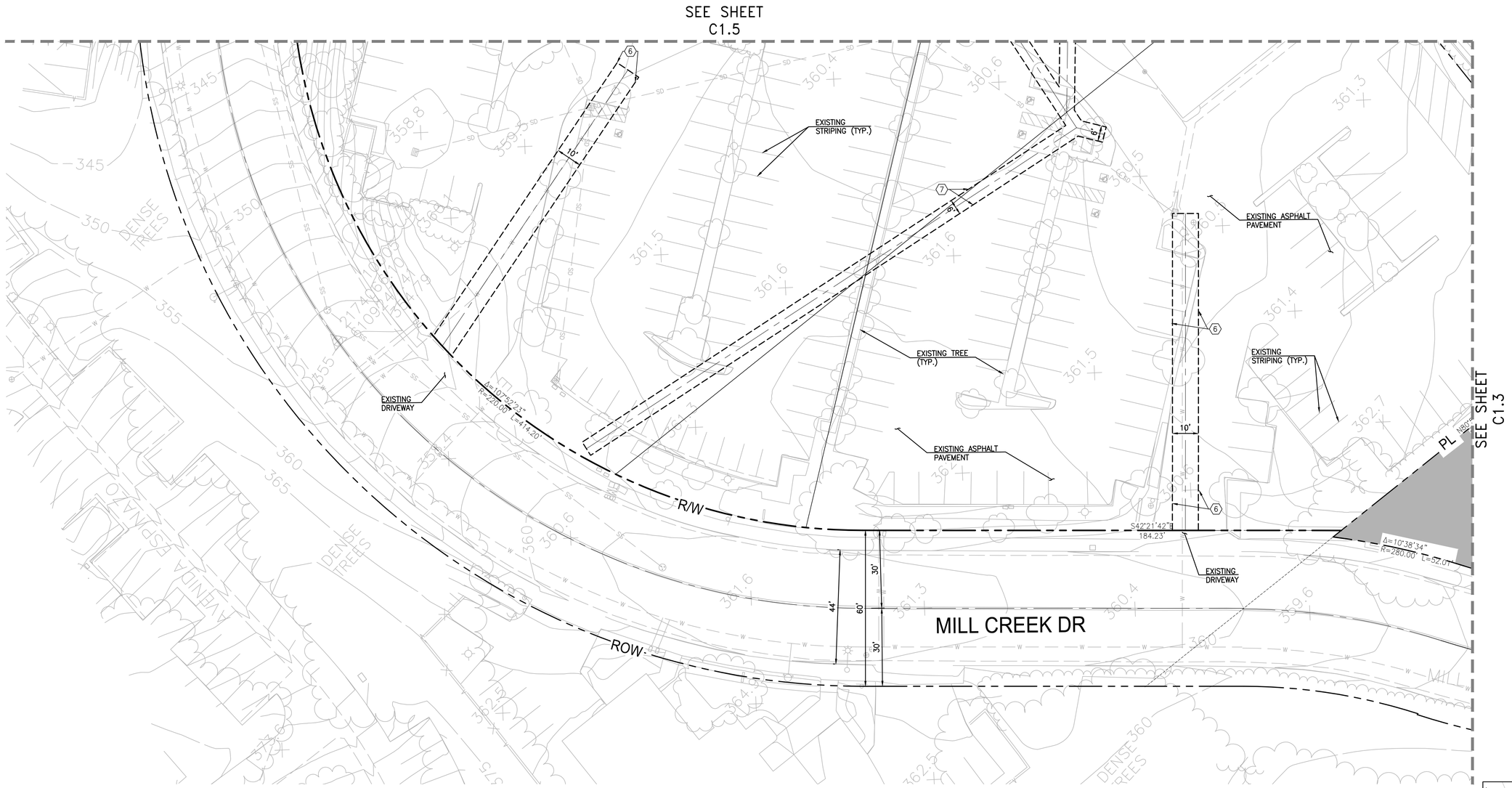
1"=20'-0" SCALE 0 20 40 NORTH

EXISTING CONDITIONS PLAN | C1.5

URBAN ARENA

F:\PROJECTS\4014\002\PLANS\ENTITLEMENTS\CONCEPTUAL GRADING PLAN\4014-002 EX.DWG (09-25-2025 10:47:23AM) Plotted by: nmalone

EXISTING CONDITIONS PLAN



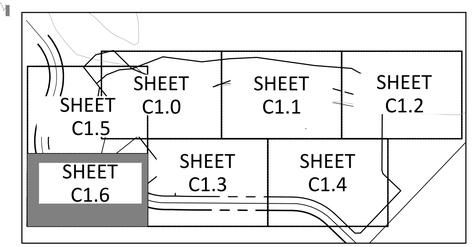
LEGEND

EXISTING:

STREET LIGHT	
SEWER PIPE	SS
SEWER MANHOLE	
UTILITY VALVE	
FIRE WATER	FW
DOMESTIC WATER	W
STORM DRAIN	SD
FIRE HYDRANT	
ELECTRICAL	E
GAS	G
FENCE	X
RIGHT OF WAY	R/W
PROPERTY LINE	PL

EASEMENTS NOTES

(6) EASEMENT FOR PIPE LINES AND INCIDENTAL PUIRPOSES, RECORDED JANUARY 19, 1984 AS INSTRUMENT NO. 84-027274 OF OFFICIAL RECORDS. IN FAVOR OF: EL TORO WATER DISTRICT.



TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 24-099

DATE 09 | 25 | 24

REGISTERED PROFESSIONAL ENGINEER KENNETH T. KOZLIK No. RCE 71883 Civil STATE OF CALIFORNIA

KINGSBARN® CAPITAL & DEVELOPMENT

KELEMEN COMPANY

FUSCOE ENGINEERING

1"=20'-0" SCALE 0 20 40

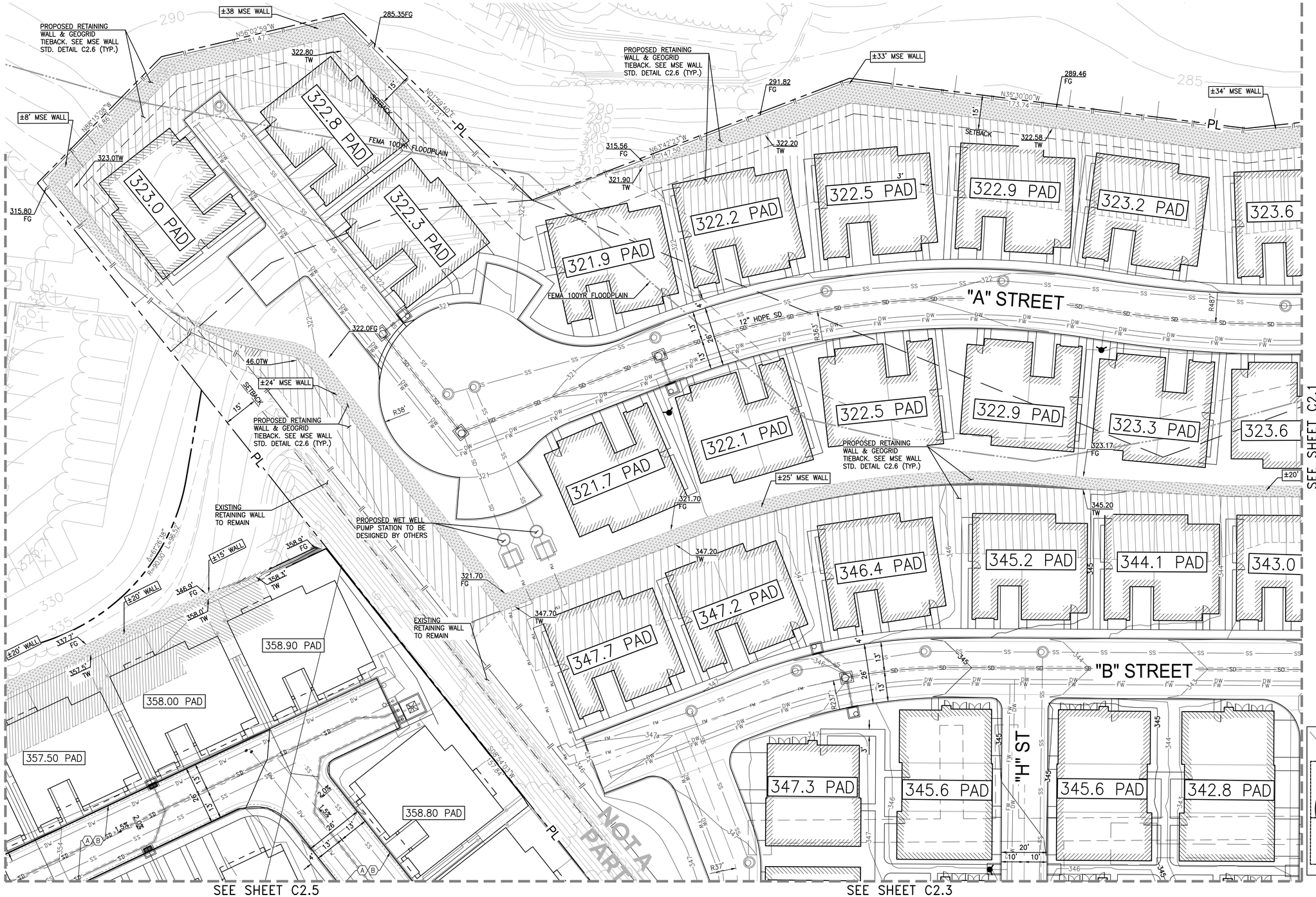
NORTH

F:\PROJECTS\4014\002\PLANS\ENTITLEMENTS\CONCEPTUAL GRADING PLAN\4014-002 EX.DWG (09-25-2025 10:47:31AM) Plotted by: nmalone

EXISTING CONDITIONS PLAN | C1.6

URBAN ARENA

CONCEPTUAL GRADING AND UTILITY PLANS



LEGEND

PROPOSED:

- STREET CENTERLINE
- RIGHT OF WAY/ PROPERTY LINE — R/W PL
- EASEMENT
- SEWER PIPE — SS
- SEWER MANHOLE
- SEWER CLEANOUT
- FIRE WATER — FW
- DOMESTIC WATER — W
- FIRE HYDRANT
- STORM DRAIN — SD
- CATCH BASIN
- JUNCTION STRUCTURE
- STORM DRAIN INLET
- BUILDING
- CONCRETE
- ASPHALT CONCRETE
- ELECTRICAL — E
- GAS — G
- SIDEWALK
- CURB AND GUTTER
- MODULAR WETLAND SYSTEM (MWS)
- STORM WATER DETENTION VAULT
- FILTERRA BIOFILTRATION SYSTEM
- SEWER POC TO BUILDING — S
- WATER POC TO BUILDING — W
- ROOF DRAIN — RD
- DEMOLITION OF UTILITY LINE
- STREET LIGHT
- AREA DRAIN
- SIDEWALK UNDERDRAIN
- FENCE PER LANDSCAPE PLANS
- SLOPE/MSE WALL
- GEOGRID/TIE-BACKS

EXISTING:

- STREET LIGHT
- SEWER PIPE — SS
- SEWER MANHOLE
- UTILITY VALVE
- FIRE WATER — FW
- DOMESTIC WATER — W
- STORM DRAIN
- FIRE HYDRANT

EASEMENTS NOTES

1. EASEMENT FOR OPEN YARD SPACE, RECORDED OCTOBER 8, 1982, INSTRUMENT NO.82-3555433, OF OFFICIAL RECORDS.
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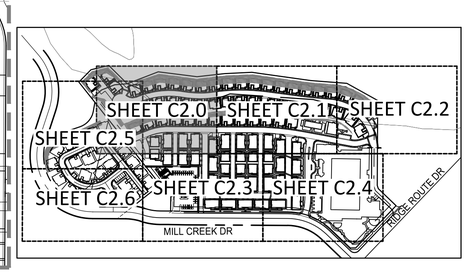
5. EASEMENT FOR PUBLIC UTILITIES, RECORDED SEPTEMBER 6, 1988, INSTRUMENT NO. 88-447131, AND RE-RECORDED JULY 18, 1989, INSTRUMENT NO. 89-377312, OF OFFICIAL RECORDS.
7. EASEMENT FOR PUBLIC UTILITIES AND INCIDENTAL PURPOSES, RECORDED 12, 1984 AS INSTRUMENT NO. 84-423525 OF OFFICIAL RECORDS. IN FAVOR OF: SOUTHERN CALIFORNIA EDISON COMPANY.



TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 24-099

DATE 09 | 25 | 24

REGISTERED PROFESSIONAL ENGINEER KENNETH T. KOZLIK No. RCE 71883 Civil STATE OF CALIFORNIA

KINGSBARN® CAPITAL & DEVELOPMENT

KELEMEN COMPANY

FUSCOE ENGINEERING

1"=20'-0" SCALE 0 20 40

NORTH

URBAN ARENA

F:\PROJECTS\4014\002\PLANS\ENTITLEMENTS\CONCEPTUAL GRADING PLAN\4014-002 GP.DWG (12-18-2025 4:12:16PM) Plotted by: JBlevins

CONCEPTUAL GRADING AND DRAINAGE PLAN | C2.0

CONCEPTUAL GRADING AND UTILITY PLANS



LEGEND

PROPOSED:

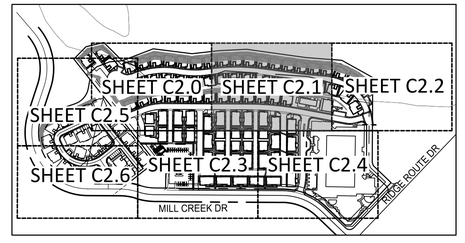
- STREET CENTERLINE
- RIGHT OF WAY/ PROPERTY LINE (R/W PL)
- EASEMENT
- SEWER PIPE (SS)
- SEWER MANHOLE
- SEWER CLEANOUT
- FIRE WATER (FW)
- DOMESTIC WATER (W)
- FIRE HYDRANT
- STORM DRAIN (SD)
- CATCH BASIN
- JUNCTION STRUCTURE
- STORM DRAIN INLET
- BUILDING
- CONCRETE
- ASPHALT CONCRETE
- ELECTRICAL (E)
- GAS (G)
- SIDEWALK
- CURB AND GUTTER
- MODULAR WETLAND SYSTEM (MWS)
- STORM WATER DETENTION VAULT
- FILTERRA BIOFILTRATION SYSTEM
- SEWER POC TO BUILDING (S)
- WATER POC TO BUILDING (W)
- ROOF DRAIN (RD)
- DEMOLITION OF UTILITY LINE
- STREET LIGHT
- AREA DRAIN
- SIDEWALK UNDERDRAIN
- FENCE PER LANDSCAPE PLANS
- SLOPE/MSE WALL
- GEOGRID/TIE-BACKS

EXISTING:

- STREET LIGHT
- SEWER PIPE (SS)
- SEWER MANHOLE
- UTILITY VALVE
- FIRE WATER (FW)
- DOMESTIC WATER (W)
- STORM DRAIN
- FIRE HYDRANT

EASEMENTS NOTES

(4) EASEMENT FOR PIPELINE OR PIPELINES, RECORDED SEPTEMBER 3, 1987, INSTRUMENT NO. 87-502144, AND RE-RECORDED JUNE 1, 19989, INSTRUMENT NO.89-289215, AND RE-RECORDED NOVEMBER 23,1999 INSTRUMENT NO. 99-811213, OF OFFICIAL RECORDS.



TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 24-099

DATE 09 | 25 | 24

REGISTERED PROFESSIONAL ENGINEER — KENNETH T. KOLLIK — No. RCE 71883 — Civil — STATE OF CALIFORNIA

KINGSBARN® CAPITAL & DEVELOPMENT

KELEMEN COMPANY

FUSCOE ENGINEERING

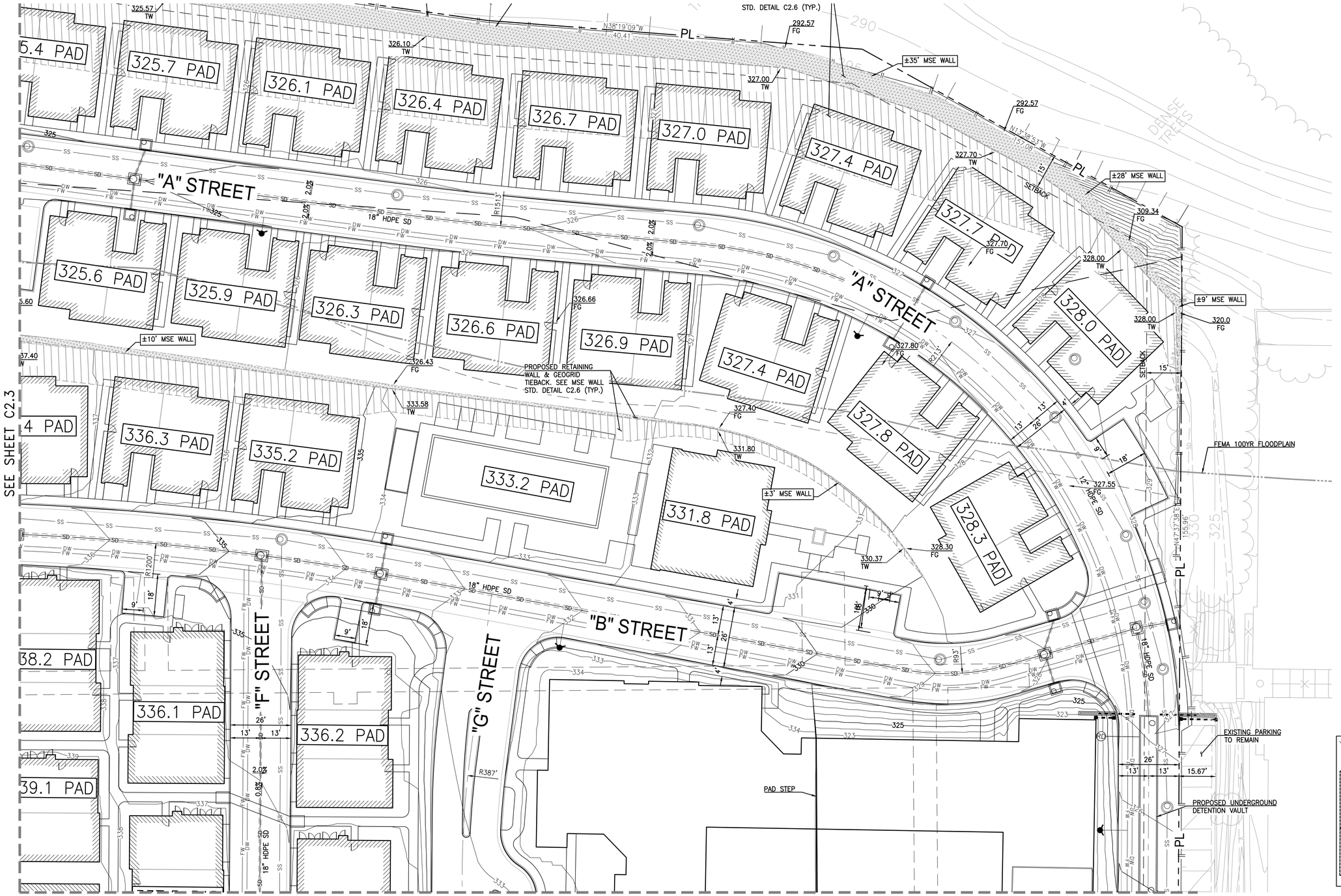
1"=20'-0" SCALE (0, 20, 40) NORTH

F:\PROJECTS\4014\002\PLANS\ENTITLEMENTS\CONCEPTUAL GRADING PLAN\4014-002 GP.DWG (12-18-2025 4:12:33PM) Plotted by: JBlevins

CONCEPTUAL GRADING AND DRAINAGE PLAN | C2.1

URBAN ARENA

CONCEPTUAL GRADING AND UTILITY PLANS



LEGEND

PROPOSED:

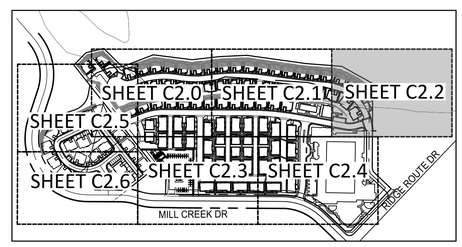
- STREET CENTERLINE
- RIGHT OF WAY/ PROPERTY LINE (R/W / PL)
- EASEMENT
- SEWER PIPE (SS)
- SEWER MANHOLE
- SEWER CLEANOUT
- FIRE WATER (FW)
- DOMESTIC WATER (W)
- FIRE HYDRANT
- STORM DRAIN (SD)
- CATCH BASIN
- JUNCTION STRUCTURE
- STORM DRAIN INLET
- BUILDING
- CONCRETE
- ASPHALT CONCRETE
- ELECTRICAL (E)
- GAS (G)
- SIDEWALK
- CURB AND GUTTER
- MODULAR WETLAND SYSTEM (MWS)
- STORM WATER DETENTION VAULT
- FILTERRA BIOFILTRATION SYSTEM
- SEWER POC TO BUILDING (S)
- WATER POC TO BUILDING (W)
- ROOF DRAIN (RD)
- DEMOLITION OF UTILITY LINE
- STREET LIGHT
- AREA DRAIN
- SIDEWALK UNDERDRAIN
- FENCE PER LANDSCAPE PLANS
- SLOPE/MSE WALL
- GEOGRID/TIE-BACKS

EXISTING:

- STREET LIGHT
- SEWER PIPE (SS)
- SEWER MANHOLE
- UTILITY VALVE
- FIRE WATER (FW)
- DOMESTIC WATER (W)
- STORM DRAIN
- FIRE HYDRANT

EASEMENTS NOTES

(4) EASEMENT FOR PIPELINE OR PIPELINES, RECORDED SEPTEMBER 3, 1987, INSTRUMENT NO. 87-502144, AND RE-RECORDED JUNE 1, 19989, INSTRUMENT NO.89-289215, AND RE-RECORDED NOVEMBER 23,1999 INSTRUMENT NO. 99-811213, OF OFFICIAL RECORDS.



TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 24-099

DATE 09 | 25 | 24

REGISTERED PROFESSIONAL ENGINEER — KENNETH T. KOZLIK — No. RCE 71883 — Civil — STATE OF CALIFORNIA

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KELEMEN COMPANY

FUSCOE ENGINEERING

1"=20'-0" SCALE (0 — 20 — 40)

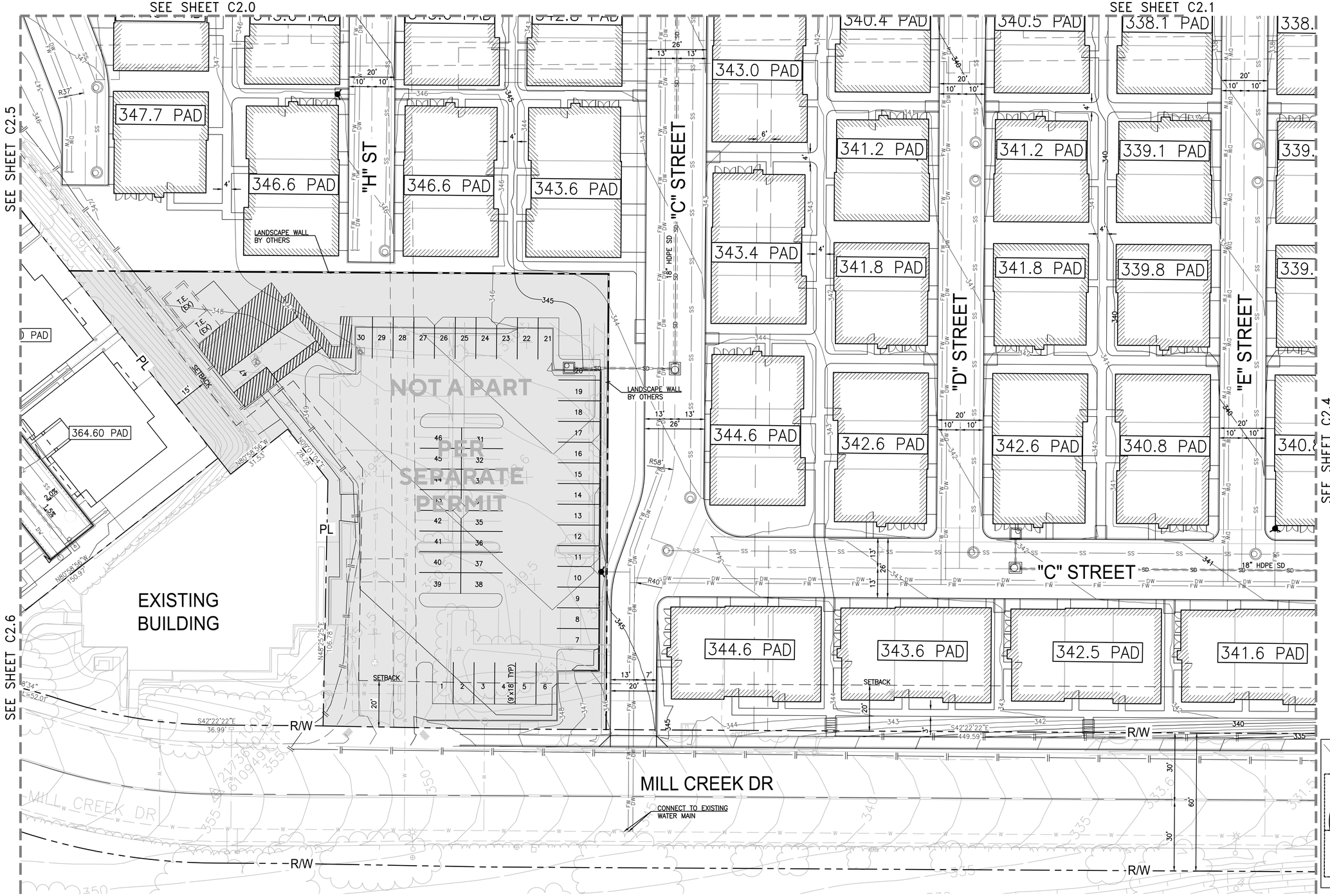
NORTH

F:\PROJECTS\4014\002\PLANS\ENTITLEMENTS\CONCEPTUAL GRADING PLAN\4014-002 GP.DWG (12-18-2025 4:12:49PM) Plotted by: JBlevins

CONCEPTUAL GRADING AND DRAINAGE PLAN | C2.2

URBAN ARENA

CONCEPTUAL GRADING AND UTILITY PLANS



LEGEND

PROPOSED:

- STREET CENTERLINE
- RIGHT OF WAY/ PROPERTY LINE (R/W / PL)
- EASEMENT
- SEWER PIPE (SS)
- SEWER MANHOLE
- SEWER CLEANOUT
- FIRE WATER (FW)
- DOMESTIC WATER (W)
- FIRE HYDRANT
- STORM DRAIN (SD)
- CATCH BASIN
- JUNCTION STRUCTURE
- STORM DRAIN INLET
- BUILDING
- CONCRETE
- ASPHALT CONCRETE
- ELECTRICAL (E)
- GAS (G)
- SIDEWALK
- CURB AND GUTTER
- MODULAR WETLAND SYSTEM (MWS)
- STORM WATER DETENTION VAULT
- FILTERRA BIOFILTRATION SYSTEM
- SEWER POC TO BUILDING (S)
- WATER POC TO BUILDING (W)
- ROOF DRAIN (RD)
- DEMOLITION OF UTILITY LINE
- STREET LIGHT
- AREA DRAIN
- SIDEWALK UNDERDRAIN
- FENCE PER LANDSCAPE PLANS
- SLOPE/MSE WALL
- GEOGRID/TIE-BACKS

EXISTING:

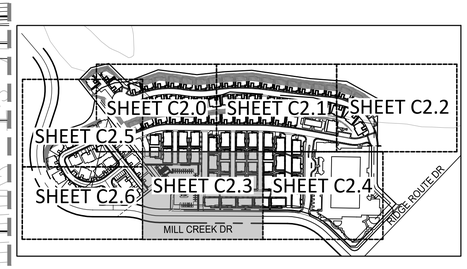
- STREET LIGHT
- SEWER PIPE (SS)
- SEWER MANHOLE
- UTILITY VALVE
- FIRE WATER (FW)
- DOMESTIC WATER (W)
- STORM DRAIN
- FIRE HYDRANT

EASEMENTS NOTES

(4) EASEMENT FOR PIPELINE OR PIPELINES, RECORDED SEPTEMBER 3, 1987, INSTRUMENT NO. 87-502144, AND RE-RECORDED JUNE 1, 19989, INSTRUMENT NO.89-289215, AND RE-RECORDED NOVEMBER 23,1999 INSTRUMENT NO. 99-811213, OF OFFICIAL RECORDS.

(5) EASEMENT FOR PUBLIC UTILITIES, RECORDED SEPTEMBER 6, 1988, INSTRUMENT NO. 88-447131, AND RE-RECORDED JULY 18, 1989, INSTRUMENT NO. 89-377312, OF OFFICIAL RECORDS.

(8) EASEMENT FOR INSTALL, ENLARGE, CONSTRUCT, RECONSTRUCT, REMOVE AND REPLACE, OPERATE, INSPECT, MAINTAIN REPAIR, IMPROVE AND RELOCATE PIPELINES, TOGETHER WITH INCIDENTAL APPURTENANCES, RECORDED NOVEMBER 2,1999, INSTRUMENT NO. 99-767419, OFFICIAL RECORDS.



TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 24-099

DATE 09 | 25 | 24

REGISTERED PROFESSIONAL ENGINEER — KENNETH T. KOZLIK — No. RCE 71883 — Civil — STATE OF CALIFORNIA

KINGSBARN® CAPITAL & DEVELOPMENT

KELEMEN COMPANY

FUSCOE ENGINEERING

1"=20'-0" SCALE (0, 20, 40) NORTH

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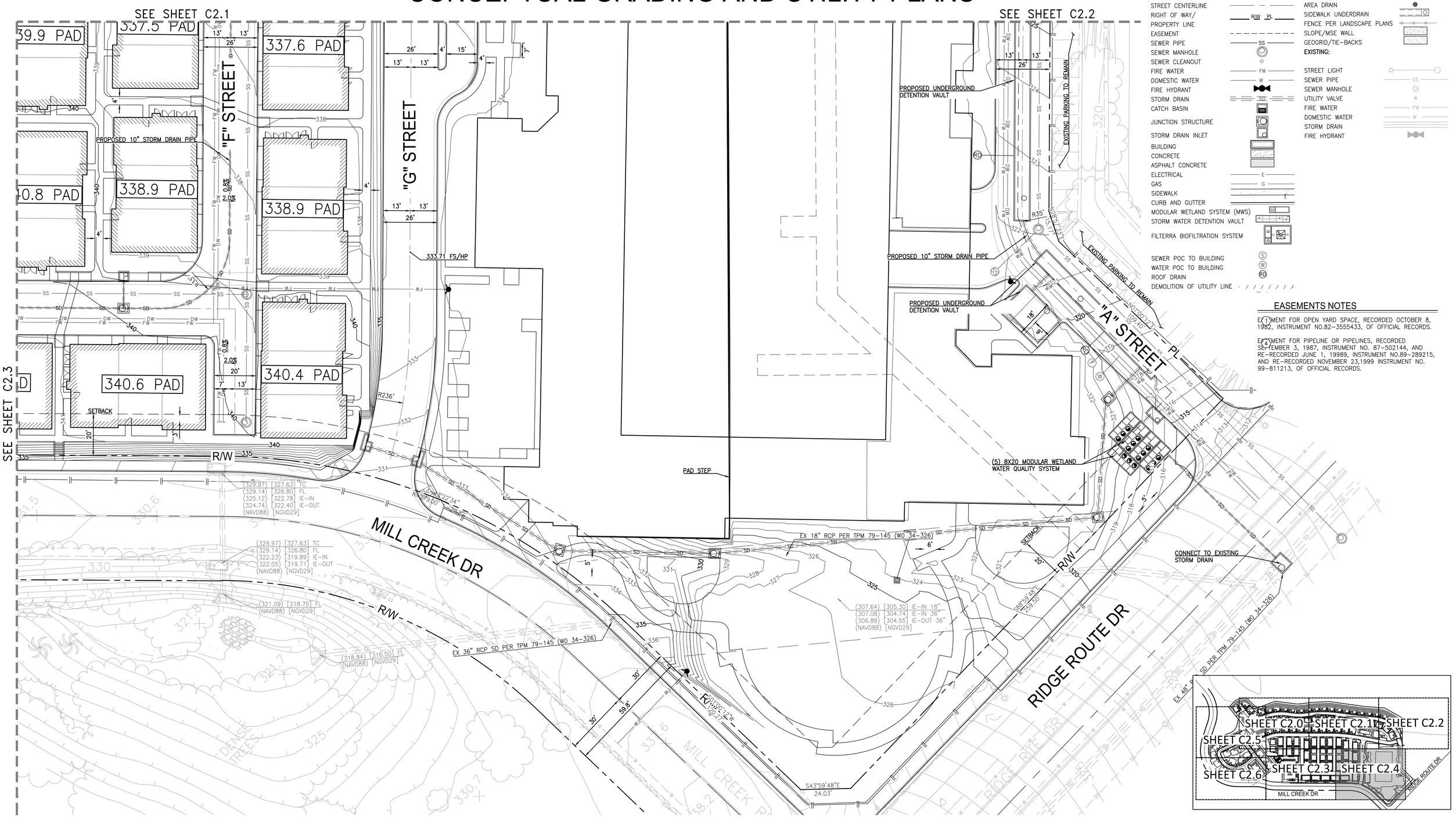
CONCEPTUAL GRADING AND DRAINAGE PLAN | C2.3

URBAN ARENA

CONCEPTUAL GRADING AND UTILITY PLANS



LEGEND

PROPOSED:

- STREET CENTERLINE
- RIGHT OF WAY/ PROPERTY LINE (R/W PL)
- EASEMENT
- SEWER PIPE (SS)
- SEWER MANHOLE
- SEWER CLEANOUT
- FIRE WATER (FW)
- DOMESTIC WATER (W)
- FIRE HYDRANT
- STORM DRAIN (SD)
- CATCH BASIN
- JUNCTION STRUCTURE
- STORM DRAIN INLET
- BUILDING
- CONCRETE
- ASPHALT CONCRETE
- ELECTRICAL (E)
- GAS (G)
- SIDEWALK
- CURB AND GUTTER
- MODULAR WETLAND SYSTEM (MWS)
- STORM WATER DETENTION VAULT
- FILTERRA BIOFILTRATION SYSTEM
- SEWER POC TO BUILDING (S)
- WATER POC TO BUILDING (W)
- ROOF DRAIN (RD)
- DEMOLITION OF UTILITY LINE

- STREET LIGHT
- AREA DRAIN
- SIDEWALK UNDERDRAIN
- FENCE PER LANDSCAPE PLANS
- SLOPE/MSE WALL
- GEOGRID/TIE-BACKS

EXISTING:

- STREET LIGHT
- SEWER PIPE (SS)
- SEWER MANHOLE
- UTILITY VALVE
- FIRE WATER (FW)
- DOMESTIC WATER (W)
- STORM DRAIN
- FIRE HYDRANT

EASEMENTS NOTES

(1) EASEMENT FOR OPEN YARD SPACE, RECORDED OCTOBER 8, 1982, INSTRUMENT NO.82-3555433, OF OFFICIAL RECORDS.

(4) EASEMENT FOR PIPELINE OR PIPELINES, RECORDED SEPTEMBER 3, 1987, INSTRUMENT NO. 87-502144, AND RE-RECORDED JUNE 1, 19989, INSTRUMENT NO.89-289215, AND RE-RECORDED NOVEMBER 23,1999 INSTRUMENT NO. 99-811213, OF OFFICIAL RECORDS.

TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 24-099

DATE 09 | 25 | 24

REGISTERED PROFESSIONAL ENGINEER
KENNETH T. KOZLIK
No. RCE 71883
Civil
STATE OF CALIFORNIA

KINGSBARN®
CAPITAL & DEVELOPMENT

KELEMEN COMPANY

FUSCOE ENGINEERING

1"=20'-0"SCALE
0 20 40

NORTH

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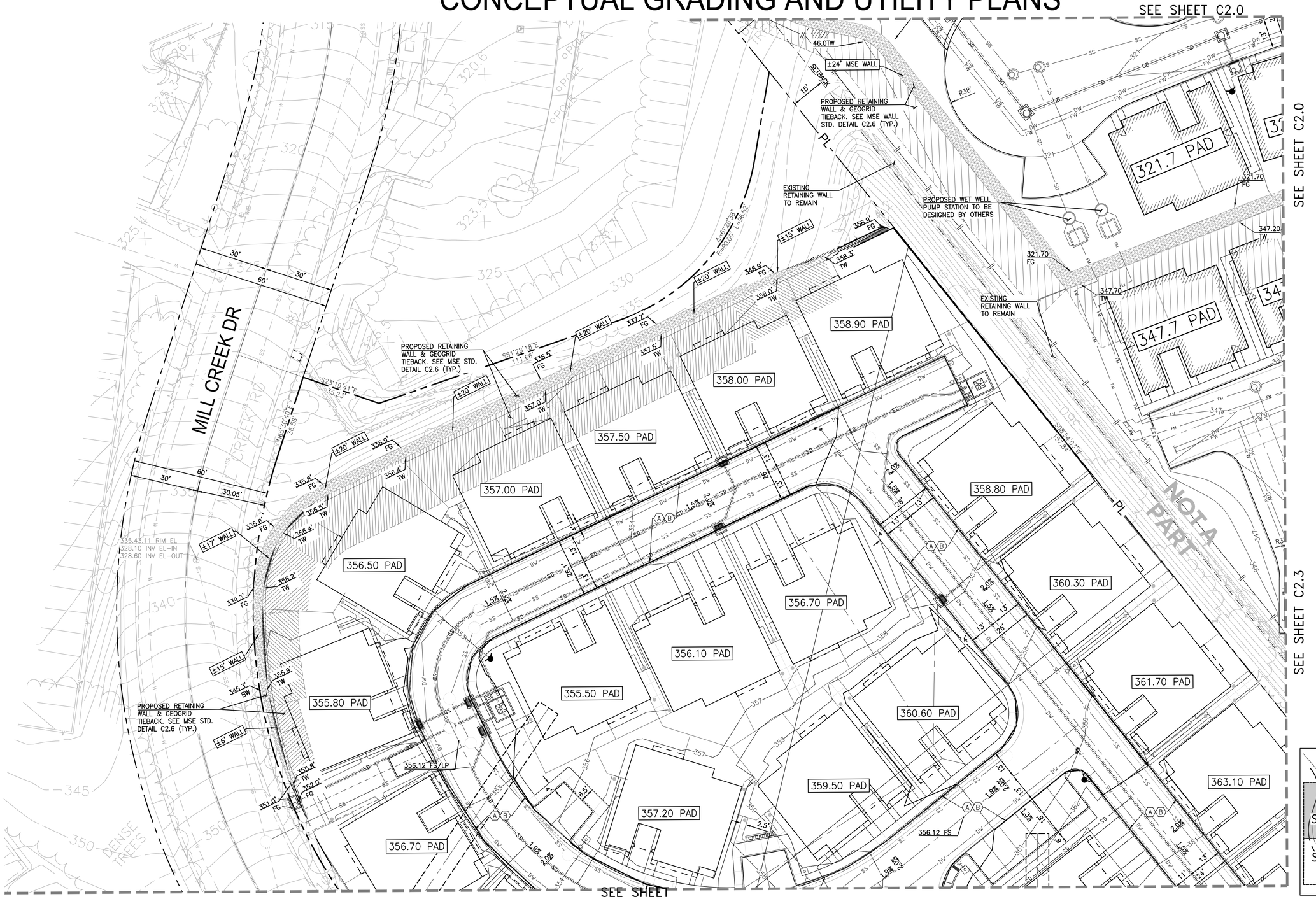
CONCEPTUAL GRADING AND DRAINAGE PLAN | C2.4

URBAN ARENA

CONCEPTUAL GRADING AND UTILITY PLANS



LEGEND

PROPOSED:

- STREET CENTERLINE
- RIGHT OF WAY/ PROPERTY LINE (R/W / PL)
- EASEMENT
- SEWER PIPE (SS)
- SEWER MANHOLE
- SEWER CLEANOUT
- FIRE WATER (FW)
- DOMESTIC WATER (W)
- FIRE HYDRANT
- STORM DRAIN (SD)
- CATCH BASIN
- JUNCTION STRUCTURE
- STORM DRAIN INLET
- BUILDING
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- ROOF DRAIN (RD)
- DEMOLITION OF UTILITY LINE
- STREET LIGHT
- AREA DRAIN
- SIDEWALK UNDERDRAIN
- FENCE PER LANDSCAPE PLANS
- SLOPE/MSE WALL
- GEOGRID/TIE-BACKS

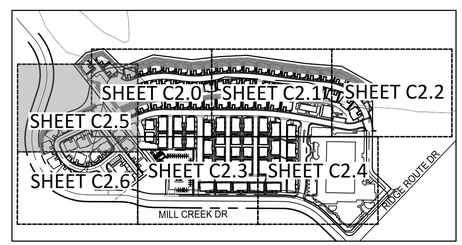
EXISTING:

- STREET LIGHT
- SEWER PIPE (SS)
- SEWER MANHOLE
- UTILITY VALVE
- FIRE WATER (FW)
- DOMESTIC WATER (W)
- STORM DRAIN
- FIRE HYDRANT

EASEMENTS NOTES

(A) EASEMENT FOR EMERGENCY ACCESS PURPOSES TO THE CITY OF LAGUNA HILLS

(B) EASEMENT TO EL TORO WATER DISTRICT FOR SEWER AND WATER PURPOSES



TERRAVITA

LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 24-099

DATE 09 | 25 | 24

REGISTERED PROFESSIONAL ENGINEER KENNETH T. KOZLIK No. RCE 71883 Civil STATE OF CALIFORNIA

KINGSBARN® CAPITAL & DEVELOPMENT

KELEMEN COMPANY

FUSCOE ENGINEERING

1"=20'-0" SCALE (0, 20, 40) NORTH

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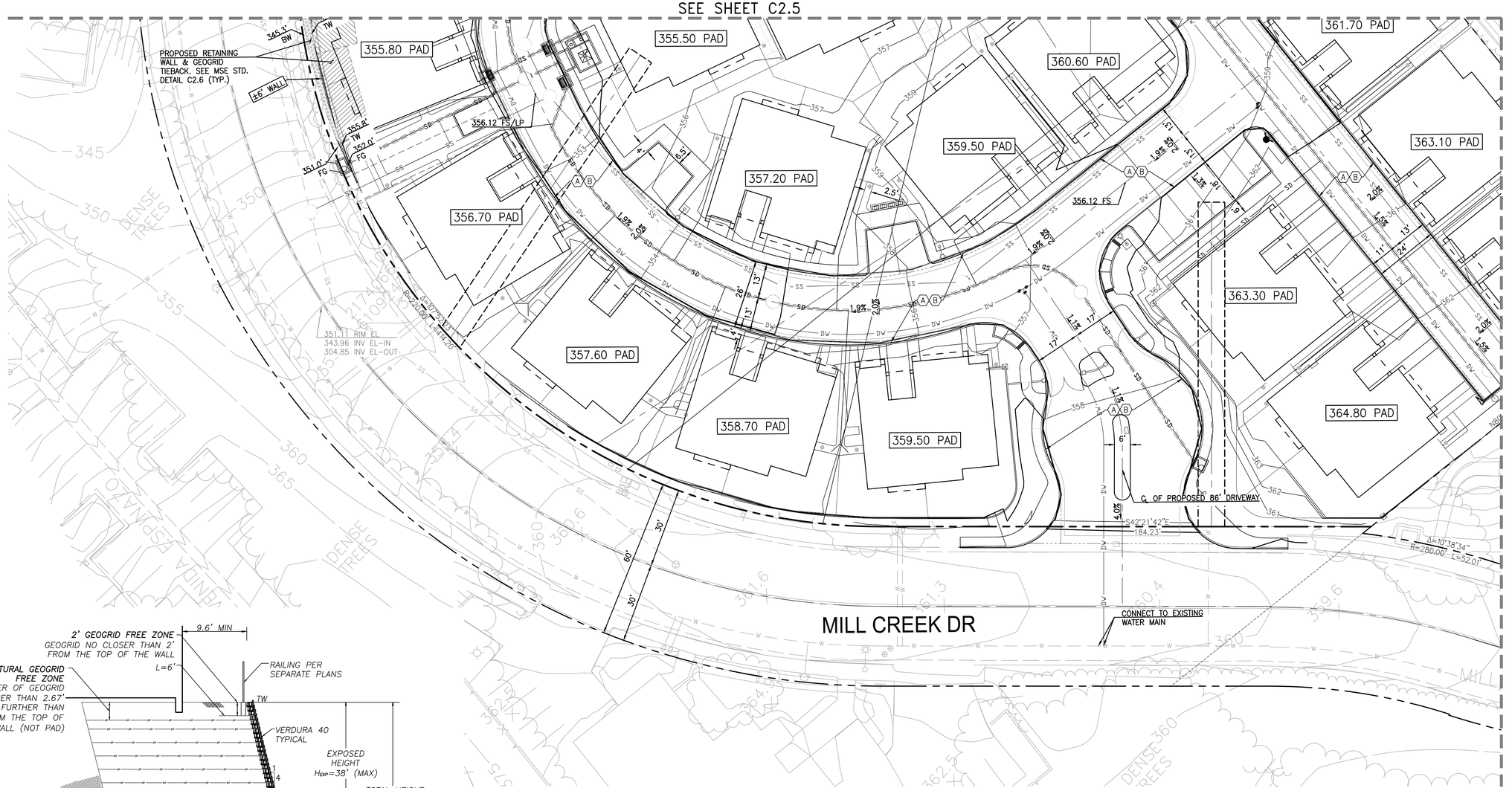
CONCEPTUAL GRADING AND DRAINAGE PLAN | C2.5

URBAN ARENA

CONCEPTUAL GRADING AND UTILITY PLANS

SEE SHEET C2.5



LEGEND

PROPOSED:

- STREET CENTERLINE
- RIGHT OF WAY/ PROPERTY LINE (R/W / PL)
- EASEMENT
- SEWER PIPE (SS)
- SEWER MANHOLE
- SEWER CLEANOUT
- FIRE WATER (FW)
- DOMESTIC WATER (W)
- FIRE HYDRANT
- STORM DRAIN (SD)
- CATCH BASIN
- JUNCTION STRUCTURE
- STORM DRAIN INLET
- BUILDING
- CONCRETE
- ASPHALT CONCRETE
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- SLOPE/MSE WALL
- GEOGRID/TIE-BACKS

EXISTING:

- STREET LIGHT
- SEWER PIPE (SS)
- SEWER MANHOLE
- UTILITY VALVE
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- DOMESTIC WATER (W)
- STORM DRAIN
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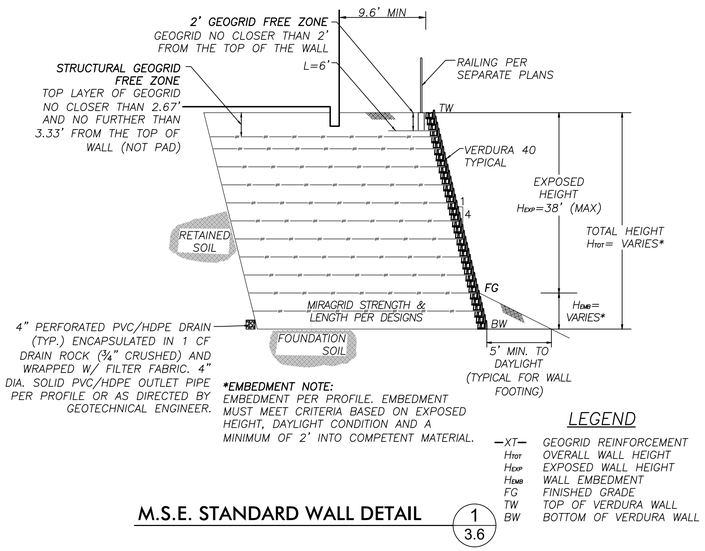
EASEMENTS NOTES

(A) EASEMENT FOR EMERGENCY ACCESS PURPOSES TO THE CITY OF LAGUNA HILLS

(B) EASEMENT TO EL TORO WATER DISTRICT FOR SEWER AND WATER PURPOSES

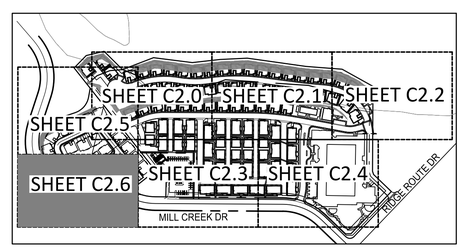


***EMBEDMENT NOTE:**
EMBEDMENT PER PROFILE. EMBEDMENT MUST MEET CRITERIA BASED ON EXPOSED HEIGHT, DAYLIGHT CONDITION AND A MINIMUM OF 2' INTO COMPETENT MATERIAL.

LEGEND

—XT—	GEOGRID REINFORCEMENT
Htot	OVERALL WALL HEIGHT
Hexp	EXPOSED WALL HEIGHT
Hemb	WALL EMBEDMENT
FG	FINISHED GRADE
TW	TOP OF VERDURA WALL
BW	BOTTOM OF VERDURA WALL

M.S.E. STANDARD WALL DETAIL 1 / 3.6



TERRAVITA
LAGUNA HILLS | CA

KINGSBARN | KELEMEN CO. | 24-099

DATE 09 | 25 | 24

REGISTERED PROFESSIONAL ENGINEER — KENNETH T. KOZLIK — No. RCE 71883 — Civil — STATE OF CALIFORNIA

KINGSBARN® CAPITAL & DEVELOPMENT

KELEMEN COMPANY

FUSCOE ENGINEERING

1"=20'-0" SCALE (0 / 20 / 40) NORTH

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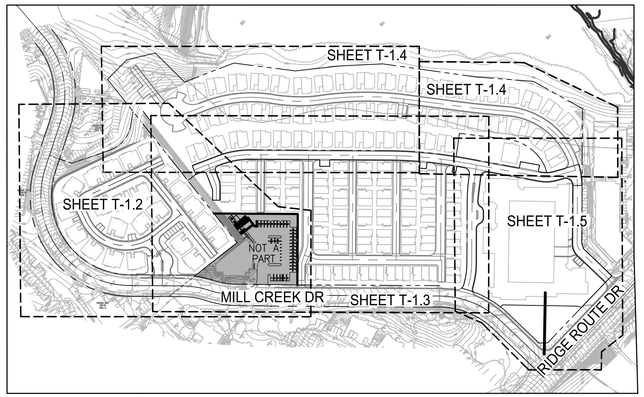
CONCEPTUAL GRADING AND DRAINAGE PLAN | C2.6

URBAN ARENA

VESTING TENTATIVE TRACT MAP 19401

LAGUNA HILLS TERRAVITA



KEY MAP

SCALE: 1"=200'

OWNER

KB RIDGE ROUTE, LLC, A DELAWARE LIMITED LIABILITY COMPANY, AS TO PARCELS 1 AND 2

KB MILL CREEK, DST, A DELAWARE STATUTORY TRUST, AS TO PARCELS 3, 4 AND 5

LAKEHILLS CORPORATE PARK OWNERS ASSOCIATION, INC., A CALIFORNIA NONPROFIT MUTUAL BENEFIT CORPORATION, AS TO PARCEL 7

TITLE REPORT

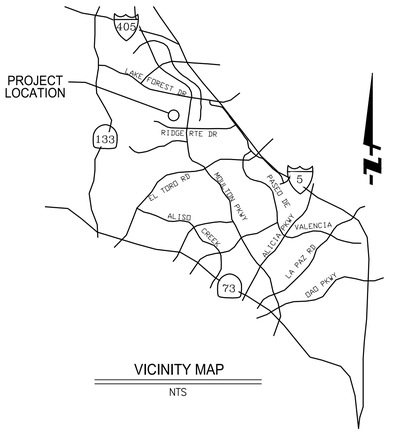
PREPARED BY: FIRST AMERICAN TITLE INSURANCE COMPANY
NATIONAL COMMERCIAL SERVICES
8311 W. SUNSET RD., SUITE 100
LAS VEGAS, NV 89113
ORDER NO: NCS-1236666-HHLV
REPORT DATE: OCTOBER 03, 2024
UPDATED: FEBRUARY 04, 2026

PREPARED BY: FIRST AMERICAN TITLE INSURANCE COMPANY
NATIONAL COMMERCIAL SERVICES
8311 W. SUNSET RD., SUITE 100
LAS VEGAS, NV 89113
ORDER NO: NCS-1294610-HHLV
REPORT DATE: FEBRUARY 2, 2026

ASSESSOR PARCEL NUMBERS (SEE SHEET T-1.2)

APN: 588-141-11
ADDRESS: 23272 MILL CREEK DR LAGUNA HILLS CA 92653-1641

APN: 588-141-12
ADDRESS: 23282 MILL CREEK DR LAGUNA HILLS CA 92653-1658



VICINITY MAP

NTS

LEGAL DESCRIPTION (SEE SHEET T-1.2)

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA, AND IS DESCRIBED AS FOLLOWS:

PARCEL ONE:

PARCEL 1 AS SHOWN ON LOT LINE ADJUSTMENT LL 83-25, AS EVIDENCED BY DOCUMENT RECORDED SEPTEMBER 1, 1983 AS INSTRUMENT NO. 83-385612 OF OFFICIAL RECORDS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

PARCEL 10 AS SHOWN ON A MAP FILED IN BOOK 147, PAGES 43 THROUGH 47, OF PARCEL MAPS, RECORDS OF ORANGE COUNTY, CALIFORNIA, ALONG WITH THAT PORTION OF PARCEL 9 AS SHOWN ON SAID MAP, DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWESTERLY CORNER OF SAID PARCEL 9; THENCE ALONG THE NORTHERLY LINE OF SAID PARCEL SOUTH 81° 54' 00" EAST 123.59 FEET; THENCE SOUTH 60° 06' 00"WEST 100.56 FEET TO A POINT ON THE EASTERLY RIGHT-OF-WAY LINE OF MILL CREEK DRIVE, BEING ON A CURVE CONCAVE NORTHEASTERLY, HAVING A RADIUS OF 220.00 FEET; THENCE NORTHWESTERLY ALONG SAID CURVE 76.54 FEET THROUGH A CENTRAL ANGLE OF 19° 55' 59" TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM THAT PORTION OF SAID PARCEL 10 DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEASTERLY CORNER OF SAID PARCEL 10; THENCE ALONG THE SOUTHERLY LINE OF SAID PARCEL NORTH 81° 54' 00"WEST 228.25 FEET; THENCE NORTH 60° 06' 00" EAST 289.65 FEET TO A POINT ON THE EASTERLY LINE OF SAID PARCEL 10; THENCE ALONG SAID EASTERLY LINE SOUTH 8° 06' 00" WEST 178.33 FEET TO THE POINT OF BEGINNING.

EXCEPTING ALL OIL, OIL RIGHTS, MINERALS, MINERAL RIGHTS, NATURAL GAS RIGHTS AND OTHER HYDROCARBONS BY WHATSOEVER NAME KNOWN, GEOTHERMAL STEAM AND ALL PRODUCTS DERIVED FROM ANY OF THE FOREGOING, THAT MAY BE WITHIN OR UNDER THE PARCEL OF LAND HEREINABOVE DESCRIBED, TOGETHER WITH THE PERPETUAL RIGHT OF DRILLING, MINING, EXPLORING AND OPERATING THEREFOR AND STORING IN AND REMOVING THE SAME, INCLUDING THE RIGHT TO WHIPSTOCK OR DIRECTIONALLY DRILL AND MINE FROM LANDS THAN THOSE HEREINABOVE DESCRIBED, OIL OR GAS WELLS, TUNNELS AND SHAFTS INTO, THROUGH OR ACROSS THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, AND TO BOTTOM SUCH WHIPSTOCKED OR DIRECTIONALLY DRILLED WELLS, TUNNELS AND SHAFTS UNDER AND BENEATH OR BEYOND THE EXTERIOR LIMITS THEREOF, AND TO REDRILL, RETUNNEL, EQUIP, MAINTAIN, REPAIR, DEEPEN AND OPERATE ANY SUCH WELLS OF MINES WITHOUT, HOWEVER, THE RIGHT TO DRILL, MINE, STORE, EXPLORE OR OPERATE THROUGH THE SURFACE OR THE UPPER 500 FEET OF THE SUBSURFACE OF SAID LAND, AS GRANTED TO TITLE INSURANCE AND TRUST COMPANY, AS TRUSTEE, IN DEED RECORDED FEBRUARY 14, 1979 IN BOOK 13034, PAGE 1317 OF OFFICIAL RECORDS.

PARCEL TWO:

PARCEL 2 AS SHOWN ON LOT LINE ADJUSTMENT LL 83-25, AS EVIDENCED BY DOCUMENT RECORDED SEPTEMBER 1, 1983 AS INSTRUMENT NO. 83-385612 OF OFFICIAL RECORDS, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

PARCEL 9 AS SHOWN ON A MAP FILED IN BOOK 147, PAGES 43 THROUGH 47, OF PARCEL MAPS, RECORDS OF ORANGE COUNTY, CALIFORNIA, ALONG WITH THAT PORTION OF PARCEL 10 AS SHOWN ON SAID MAP, DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEASTERLY CORNER OF SAID PARCEL 10; THENCE ALONG THE SOUTHERLY LINE OF SAID PARCEL NORTH 81° 54' 00" WEST 228.25 FEET; THENCE NORTH 60° 06' 00" EAST 289.65 FEET TO A POINT ON THE EASTERLY LINE OF SAID PARCEL 10; THENCE ALONG SAID EASTERLY LINE SOUTH 8° 06' 00" WEST 178.33 FEET TO THE POINT OF BEGINNING.

EXCEPTING THEREFROM THAT PORTION OF SAID PARCEL 9 DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWESTERLY CORNER OF SAID PARCEL 9; THENCE ALONG THE NORTHERLY LINE OF SAID PARCEL SOUTH 81° 54' 00" EAST 123.59 FEET; THENCE SOUTH 60° 06' 00" WEST 100.56 FEET TO A POINT ON THE EASTERLY RIGHT-OF-WAY LINE OF MILL CREEK DRIVE, BEING ON A CURVE CONCAVE NORTHEASTERLY, HAVING A RADIUS OF 220.00 FEET; THENCE NORTHWESTERLY ALONG SAID CURVE 76.54 FEET THROUGH A CENTRAL ANGLE OF 19° 55' 59" TO THE POINT OF BEGINNING.

EXCEPTING ALL OIL, OIL RIGHTS, MINERALS, MINERAL RIGHTS, NATURAL GAS RIGHTS AND OTHER HYDROCARBONS BY WHATSOEVER NAME KNOWN, GEOTHERMAL STEAM AND ALL PRODUCTS DERIVED FROM ANY OF THE FOREGOING, THAT MAY BE WITHIN OR UNDER THE PARCEL OF LAND HEREINABOVE DESCRIBED, TOGETHER WITH THE PERPETUAL RIGHT OF DRILLING, MINING, EXPLORING AND OPERATING THEREFOR AND STORING IN AND REMOVING THE SAME, INCLUDING THE RIGHT TO WHIPSTOCK OR DIRECTIONALLY DRILL AND MINE FROM LANDS THAN THOSE HEREINABOVE DESCRIBED, OIL OR GAS WELLS, TUNNELS AND SHAFTS INTO, THROUGH OR ACROSS THE SUBSURFACE OF THE LAND HEREINABOVE DESCRIBED, AND TO BOTTOM SUCH WHIPSTOCKED OR DIRECTIONALLY DRILLED WELLS, TUNNELS AND SHAFTS UNDER AND BENEATH OR BEYOND THE EXTERIOR LIMITS THEREOF, AND TO REDRILL, RETUNNEL, EQUIP, MAINTAIN, REPAIR, DEEPEN AND OPERATE ANY SUCH WELLS OF MINES WITHOUT, HOWEVER, THE RIGHT TO DRILL, MINE, STORE, EXPLORE OR OPERATE THROUGH THE SURFACE OR THE UPPER 500 FEET OF THE SUBSURFACE OF SAID LAND, AS GRANTED TO TITLE INSURANCE AND TRUST COMPANY, AS TRUSTEE, IN DEED RECORDED FEBRUARY 14, 1979 IN BOOK 13034, PAGE 1317 OF OFFICIAL RECORDS.

NOTE:

1. A FINAL FINANCE AND CONVEYANCE TRACT OR PARCEL MAP CAN ALSO BE PREPARED, PROCESSED, AND RECORDED

ABBREVIATIONS

CL	CENTERLINE
EX	EXISTING
NTS	NOT TO SCALE
PL	PROPERTY LINE
PROP	PROPOSED
R/W	RIGHT-OF-WAY

PROPOSED PHASING

SINGLE PHASE CONSTRUCTION
A. B. ROUGH GRADING
B. ONSITE & OFFSITE UTILITIES
C. PRECISE GRADING
D. BUILDING CONSTRUCTION
E. SITEWORK & LANDSCAPING

TELEPHONE / CABLE TELEVISION
VERIZON / GTE – (800) 483-1000
AT&T – (800) 310-2355
COX – (800) 234-3993

ELECTRIC
SOUTHERN CALIFORNIA EDISON
4155 BAKE PARKWAY
IRVINE, CA 92618

WASTE MANAGEMENT
CR&R
30111 CROWN VALLEY PARKWAY
LAGUNA NIGUEL, CA 92677

GAS
SOUTHERN CALIFORNIA GAS COMPANY
738 SOUTH HARBOR BLVD.
SANTA ANA, CA 92704

WATER & SEWER
EL TORO WATER DISTRICT (ETWD)
24251 LOS ALISOS BLVD.
LAKE FOREST, CA 92630

LEGEND

PROPOSED:

- STREET CENTERLINE — CL
- RIGHT OF WAY/PROPERTY LINE — PL R/W
- EASEMENT
- SEWER PIPE — SS
- SEWER MANHOLE
- SEWER CLEANOUT
- FIRE WATER — FW
- DOMESTIC WATER — DW
- FIRE HYDRANT
- CATCH BASIN
- JUNCTION STRUCTURE
- STORM DRAIN INLET
- CURB AND GUTTER
- MODULAR WETLAND SYSTEM (MWS)
- STORM WATER DETENTION VAULT
- FILTERRA BIOFILTRATION SYSTEM
- SLOPE/MSE WALL
- GEOGRID REINFORCEMENT

EXISTING:

- STREET LIGHT
- SEWER PIPE — SS
- SEWER MANHOLE
- UTILITY VALVE
- FIRE WATER — FW
- DOMESTIC WATER — DW
- STORM DRAIN — SD
- FIRE HYDRANT
- ELECTRICAL — E
- GAS — G
- FENCE — X

LEGAL DESCRIPTION (SEE SHEET T-1.3 - T-1.5)

PARCEL A:

PARCELS 1 THROUGH 5 AND 7 INCLUSIVE AS SHOWN ON PARCEL MAP NO. 98-191, IN THE CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS PER MAP FILED IN BOOK 311, PAGES 26 THROUGH 31 INCLUSIVE OF PARCEL MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY.

EXCEPT ONE-HALF UNDIVIDED INTEREST IN AND TO ALL MINERALS, OIL, GAS, PETROLEUM AND OTHER HYDROCARBON SUBSTANCES IN OR UNDER, OR WHICH MAY BE PRODUCED FROM SAID LAND WHICH UNDERLIES A PLANE PARALLEL TO AND 500 FEET BELOW THE PRESENT SURFACE OF SAID LAND, FOR THE PURPOSE OF PROSPECTING FOR, THE EXPLORATION, DEVELOPMENT, PRODUCTION, EXTRACTION AND TAKING OF SAID MINERALS, OIL, GAS, PETROLEUM AND OTHER HYDROCARBON SUBSTANCES FROM SAID LAND BY MEANS OF MINES, WELLS, DERRICKS AND/OR OTHER EQUIPMENT FROM SURFACE LOCATIONS ON ADJOINING OR NEIGHBORING LAND OR LYING OUTSIDE OF THE ABOVE DESCRIBED LAND, IT BEING UNDERSTOOD THAT THE OWNER OF SUCH MINERALS, OIL, GAS, PETROLEUM AND OTHER HYDROCARBON SUBSTANCES, AS SET FORTH ABOVE, SHALL HAVE NO RIGHT TO ENTER UPON THE SURFACE OF THE ABOVE DESCRIBED LAND NOR TO USE ANY OF THE SAID LAND OR ANY PORTION THEREOF ABOVE SAID PLANE PARALLEL TO AND 500 FEET BELOW THE PRESENT SURFACE OF THE SAID LAND FOR ANY PURPOSE WHATSOEVER, AS SET FORTH IN AN INSTRUMENT RECORDED FEBRUARY 15, 1974 IN BOOK 11076, PAGE 773 OF OFFICIAL RECORDS.

PARCEL B:

NON-EXCLUSIVE EASEMENTS FOR SURFACE DRAINAGE FROM PARCEL 2 OVER PARCEL 1 ("PARCEL 1") OF PARCEL MAP 85-367 IN THE CITY OF LAGUNA HILLS, COUNTY OF ORANGE, STATE OF CALIFORNIA, AS PER MAP FILED IN BOOK 262, PAGE 5 THROUGH 6 OF MAPS IN THE OFFICE OF THE COUNTY RECORDER OF SAID COUNTY THROUGH THE DRAINAGE PATTERNS AND SYSTEMS AS ARE ESTABLISHED FROM TIME TO TIME UPON PARCEL 1 AS SET FORTH IN THE DEED RECORDED APRIL 26, 1991 AS INSTRUMENT NO. 91-197995 OF OFFICIAL RECORDS.

PARCEL C:

A NON-EXCLUSIVE EASEMENT FOR ACCESS, INGRESS AND EGRESS OVER AND UPON THE AREA OF PARCEL 1 DESCRIBED IN SCHEDULE 1 ATTACHED THERETO AS "SLOPE MAINTENANCE AREA" AND "SLOPE MAINTENANCE AREA ACCESS" FOR THE SOLE PURPOSES OF PERMITTING ACCESS TO ACCOMPLISH CERTAIN SLOPE MAINTENANCE AREA LOCATED WITHIN PARCEL 2, AS SET FORTH IN THE ABOVE-MENTIONED DEED.

PARCEL D:

A NON-EXCLUSIVE EASEMENT OF ACCESS, INGRESS AND EGRESS OVER AND UPON THE AREA OF PARCEL 1 DESCRIBED ON SCHEDULE 1 ATTACHED THERETO AS "PEDESTRIAN ACCESS" FOR THE SOLE PURPOSE OF PERMITTING ACCESS TO PARCEL 1, AS SET FORTH IN THE FIRST ABOVE-MENTIONED DEED.

PARCEL E:

AN EASEMENT TO MAINTAIN, REPAIR, RESTORE AND/OR REPLACE ONE (1) TEMPORARY PROJECT LEASING INFORMATION SIGN ("TEMPORARY LEASING SIGN") FOR THE BENEFIT OF PARCEL 2 AND LOCATED ON PARCEL 1 ADJACENT TO MOULTON PARKWAY AT THE LOCATION SHOWN ON SCHEDULE 1 ATTACHED THERETO AS SET FORTH ALSO IN THE FIRST ABOVE-MENTIONED DEED

PARCEL F:

NON-EXCLUSIVE EASEMENTS FOR ACCESS AND PARKING AS MORE PARTICULARLY SET FORTH IN SECTION 4.2 OF THE AMENDED AND RESTATED DECLARATION OF COVENANTS, CONDITIONS AND RESTRICTIONS AND RECIPROCAL EASEMENT AGREEMENT RECORDED MAY 17, 2006 AS INSTRUMENT NO. 2006000332225 OF OFFICIAL RECORDS.

LOT SUMMARY (SEE SHEET T-1.2 - T1.5)

DESCRIPTION:	GROSS AREA (SF)	GROSS AREA (AC)	NET AREA (SF)	NET AREA (AC)
CONDOMINIUM DEVELOPMENT LOT 1	140,773	3.23	109,628	2.52
CONDOMINIUM DEVELOPMENT LOT 2	200,376	4.60	158,558	3.64
CONDOMINIUM DEVELOPMENT LOT 3	281,833	6.47	239,144	5.49
MULTI-FAMILY DEVELOPMENT LOT 4	101,494	2.33	101,494	2.33
PRIVATE PARK LOT A	13,504	0.31	13,504	0.31
PRIVATE PARK LOT B	13,068	0.30	13,068	0.30
PRIVATE LOCAL STREETS LOT C	47,916	1.10	47,916	1.10
PRIVATE LOCAL STREETS LOT D	7,405	0.17	7,405	0.17

ENGINEER'S NOTES

1. ALL GUTTER FLOWLINE SLOPES SHALL BE 0.5% MINIMUM SLOPE AND DRAIN AS NOTED.
2. ALL PROPOSED CURB FACES SHALL BE 6" TALL PER COUNTY STANDARDS.
3. CURB ELEVATIONS HAVE BEEN OMITTED FOR CLARITY BUT SHALL BE 6" ABOVE THE FINISHED SURFACE OR GUTTER FLOWLINE AS NOTED ON THE PLAN.
4. ONSITE SANITARY SEWER LINE SHALL BE 8" PVC SDR-35 PIPE.
5. SANITARY SEWER SYSTEM SHALL BE GRAVITY FLOW DISCHARGED INTO PUBLIC LINE OPERATED BY EVMWD.
6. ONSITE FIRE/DOMESTIC WATER MAIN SHALL BE 8" PVC C-900 PIPE.
7. EACH PROPOSED UNIT SHALL HAVE INDIVIDUAL METERS.
8. ONSITE GAS LINE SHALL BE 3" HDPE YELLOW GAS PIPE, NOT SHOWN FOR CLARITY.
9. ONSITE PRIVATE STORM DRAIN LINE SHALL BE AS NOTED.
10. ALL ONSITE STORMDRAIN PIPING SHALL BE DESIGNED TO CONVEY THE 100 YEAR STORM PEAK FLOWRATES AND SHALL HAVE A MINIMUM SLOPE OF 0.35%.
11. ANY PROPOSED INCREASE IN STORMWATER VOLUME AND RUNOFF SHALL BE MITIGATED BY AN ONSITE UNDRGROUND STORMWATER DETENTION SYSTEM WITH AN OUTLET STRUCTURE THAT TIES INTO THE EXISTING 60" RCP STORM DRAIN.
12. ONSITE UNDERGROUND STORMWATER DETENTION SYSTEM SHALL BE CONTECH, STORMTECH, OR ADS AND SHALL BE DESIGNED TO DETAIN THE DIFFERENTIAL VOLUME BETWEEN THE PRE-CONSTRUCTION AND POST-CONSTRUCTION 10 YEAR, 24 HOUR STORM EVENTS.
13. NO OFFSITE DRAINAGE AREAS ARE TRIBUTARY TO THE SITE.
14. ALL OPEN SPACE AND LANDSCAPE AREAS SHALL DRAIN AT 1% MINIMUM AND LANDSCAPE ARCHITECT SHALL DESIGN A YARD DRAIN SYSTEM TO CONVEY NUISANCE WATER TO THE PRIVATE STREETS AND/OR THE ONSITE STORM DRAIN NETWORK. YARD DRAINS ADJACENT TO PROPOSED BUILDINGS SHALL BE A MINIMUM OF 0.3' LOWER THAN THE ADJACENT BUILDING PAD ELEVATION.
15. DEEPENED FOOTINGS SHALL BE PROVIDED AROUND BUILDING PERIMETERS WHERE THE ADJACENT FINISHED GRADES ARE HIGHER OR LOWER THAN THE BUILDING PAD ELEVATIONS.
16. PLUMBER SHALL DESIGN ROOF DRAINAGE SYSTEM WITH GUTTER DOWNSPOUTS, DECK DRAIN SYSTEM AND PATIO DRAINAGE SYSTEM TO DRAIN INTO THE ADJACENT LANDSCAPE AND OPEN SPACE AREAS WHERE POSSIBLE.
17. GEOGRID WILL EXTEND BELOW BUILDING FOUNDATIONS IN SOME LOCATIONS.

ASSESSOR'S PARCEL NUMBER (SHEET T-1.3 - T-1.5)

APN: 588-161-06 (AFFECTS: PARCEL 1 OF PARCEL A)
ADDRESS: 24461 MILL CREEK DR LAGUNA HILLS CA 92653

APN: 588-161-07 (AFFECTS: PARCEL 2 OF PARCEL A)
ADDRESS: 24411 MILL CREEK DR LAGUNA HILLS CA 92653

APN: 588-161-08 (AFFECTS: PARCEL 3 OF PARCEL A)
ADDRESS: 23422 MILL CREEK DR LAGUNA HILLS CA 92653-1688

APN: 588-161-09 (AFFECTS: PARCEL 4 OF PARCEL A)
ADDRESS: 23382 MILL CREEK DR LAGUNA HILLS CA 92653-1682

APN: 588-161-10 (AFFECTS: PARCEL 5 OF PARCEL A)
ADDRESS: 23332 MILL CREEK DR LAGUNA HILLS CA 92653-1679

APN: 588-161-13 (AFFECTS: PARCEL 7 OF PARCEL A)

REGISTERED PROFESSIONAL ENGINEER
KENNETH T. KOZLIK
No. RCE 71883
Civil
STATE OF CALIFORNIA

DECLARATION OF RESPONSIBLE CHARGE

I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGES OVER THE DESIGN OF THE PROJECT AS DEFINED IN SECTION 6703 OF THE BUSINESS & PROFESSIONS CODE AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF EL CENTRO AND THE IMPERIAL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN."

KENNETH KOZLIK RCE NO. 71883 EXP. 12/31/2027 — 2/12/2026 DATE

REVISIONS

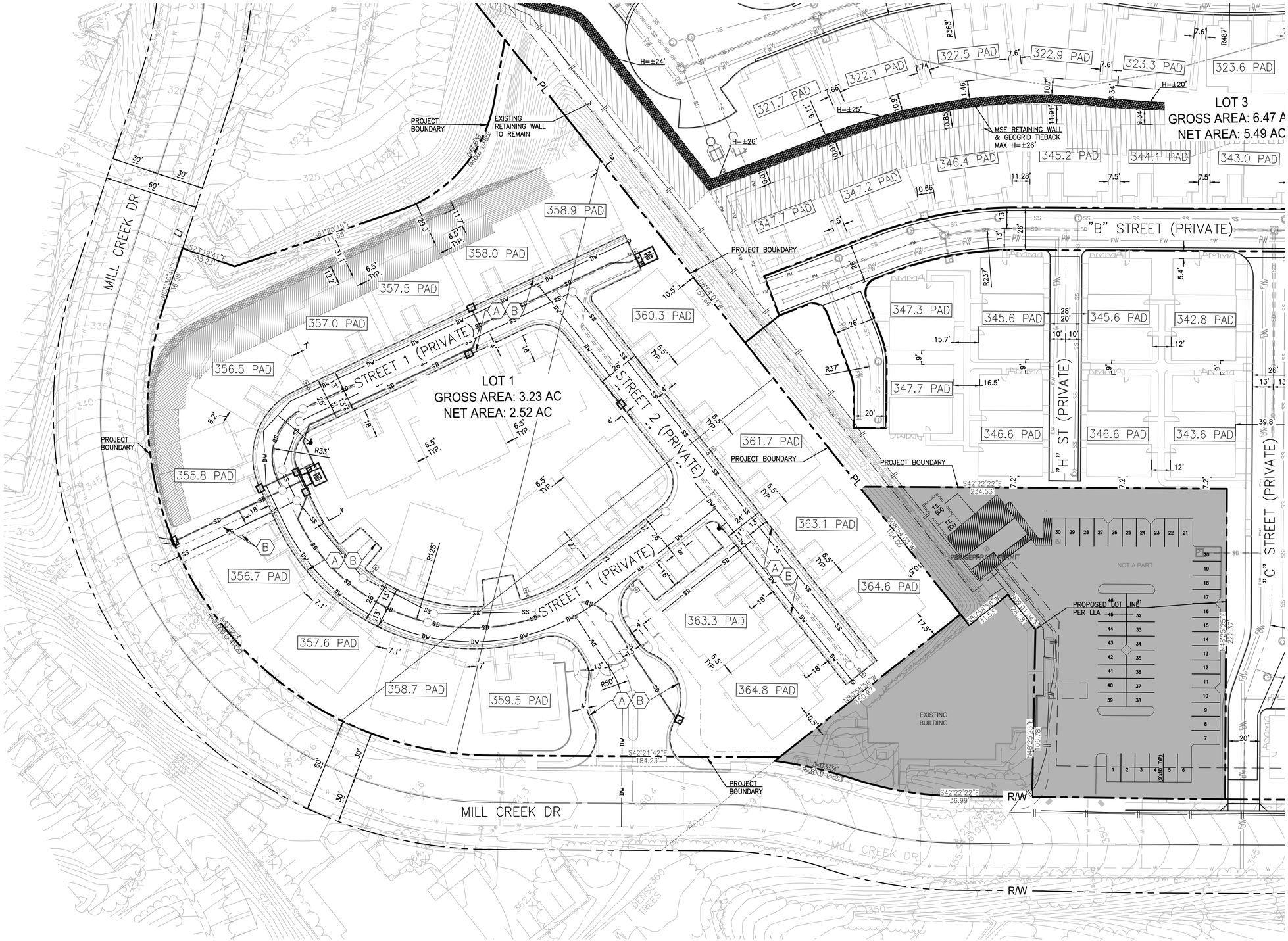
NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

VESTING TENTATIVE TRACT NO. 19401
LAGUNA HILLS TERRAVITA
FOR CONDOMINIUM PURPOSES

FUSCOE ENGINEERING
6390 Greenwich Dr, Suite 170
San Diego, Ca 92122
858.554.1500 fuscoe.com

February 11, 2026
JOB NO. 2486-005-015
DRAWN BY: JB
SHEET T-1.1

F:\PROJECTS\2014\002\PLANS\ENTITLEMENTS\TENTATIVE TRACT MAP\2014-002 (TM T-1) TOLLING (02-11-2026 4:23:37PM) Plotted By: cla



PROPOSED EASEMENT NOTES

(A) EASEMENT FOR EMERGENCY ACCESS PURPOSES TO THE CITY OF LAGUNA HILLS

(B) EASEMENT TO EL TORO WATER DISTRICT FOR SEWER AND WATER PURPOSES

REGISTERED PROFESSIONAL ENGINEER
KENNETH T. KOZAK
No. RCE 71883
Civil
STATE OF CALIFORNIA
2/12/2026

30' 0' 15' 30'
SCALE: 1" = 30'

VESTING TENTATIVE TRACT NO. 19401
LAGUNA HILLS TERRAVITA
FOR CONDOMINIUM PURPOSES

REVISIONS					
NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

FUSCOE ENGINEERING
6390 Greenwich Dr, Suite 170
San Diego, Ca 92122
858.554.1500
fuscoe.com

February 12, 2026
JOB NO. 2486-005-015
DRAWN BY: JB
SHEET T-1.2

F:\PROJECTS\2014\2021\PLANS\ENTITLEMENTS\TENTATIVE TRACT MAP\2014-002 (TM 1-12 KB).DWG (03-12-2026 8:51:01AM) Plotted by: JBevins

LOT 3
GROSS AREA: 6.47 AC
NET AREA: 5.49 AC

LOT 3

LOT C
AREA: 1.10 AC

"B" STREET (PRIVATE)

"B" STREET

MATCHLINE SEE SHEET T-1.4

LOT 2
GROSS AREA: 4.60 AC
NET AREA: 3.64 AC

"H" ST (PRIVATE)

"C" STREET (PRIVATE)

"D" STREET (PRIVATE)

"E" STREET (PRIVATE)

"F" STREET (PRIVATE)

"G" STREET (PRIVATE)

"C" STREET

"C" STREET (PRIVATE)

STREET 2 (PRIVATE)

1 (PRIVATE)

PROJECT BOUNDARY

MSE RETAINING WALL & GEOGRID TIEBACK MAX H=±26'

FEMA 100YR FLOODPLAIN

PROPOSED LOT LINE PER LLA

EXISTING BUILDING

NOT A PART

DENSE 360 TREES

MILL CREEK DR

R1200'

R387'

R236'

R237'

R58'

R50'

R37'

R30'

321.7 PAD
322.1 PAD
322.5 PAD
322.9 PAD
323.3 PAD
323.6 PAD
323.9 PAD
324.3 PAD
325.6 PAD
325.9 PAD
326.3 PAD
326.6 PAD
333.2 PAD
335.2 PAD
336.3 PAD
337.4 PAD
338.5 PAD
339.6 PAD
340.7 PAD
341.8 PAD
343.0 PAD
344.1 PAD
345.2 PAD
346.4 PAD
347.2 PAD
347.7 PAD
360.3 PAD
361.7 PAD
363.1 PAD
363.3 PAD
364.6 PAD
364.8 PAD
347.3 PAD
345.6 PAD
342.8 PAD
347.7 PAD
346.6 PAD
343.6 PAD
340.4 PAD
340.5 PAD
338.1 PAD
343.4 PAD
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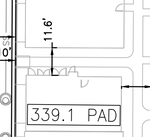
339.1 PAD
344.6 PAD
341.8 PAD
339.8 PAD
342.6 PAD
340.8 PAD
336.1 PAD
338.2 PAD
337.5 PAD
339.9 PAD
336.2 PAD
337.6 PAD
338.9 PAD
340.8 PAD
338.9 PAD
340.4 PAD
344.6 PAD
343.6 PAD
342.5 PAD
341.6 PAD
340.6 PAD

H=±24'
H=±25'
H=±26'
H=±20'
H=±15'
H=±10'

S42°22'22"E 234.53'
S42°22'22"E 36.99'
S42°22'22"E 449.59'
S42°21'42"E 184.23'
S42°43'03"W 104.05'
N48°25'25"E 222.37'
N48°25'25"E 106.78'
N42°34'38"W 130.07'
Δ= 43°22'34" R=279.00' L=211.22'

PROJECT BOUNDARY



2/12/2026

30' 0' 15' 30'
SCALE: 1" = 30'

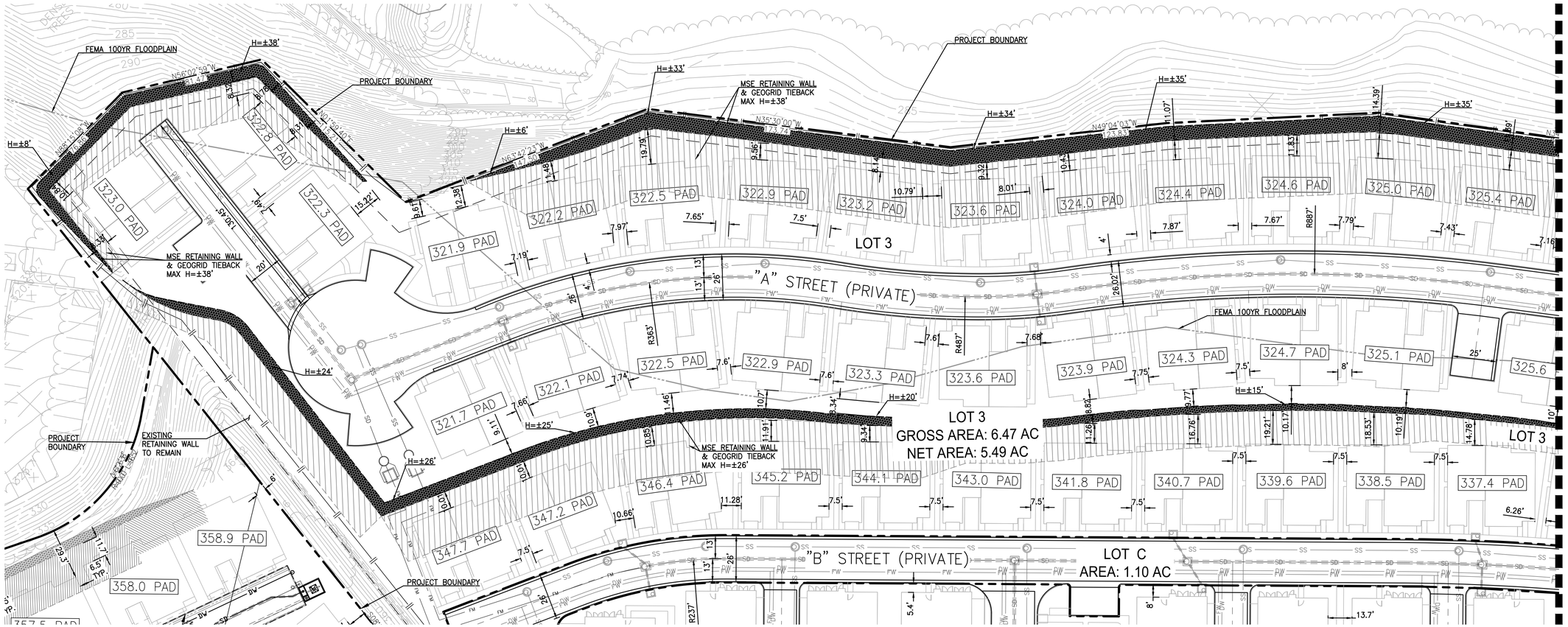
VESTING TENTATIVE TRACT NO. 19401
LAGUNA HILLS TERRAVITA
FOR CONDOMINIUM PURPOSES

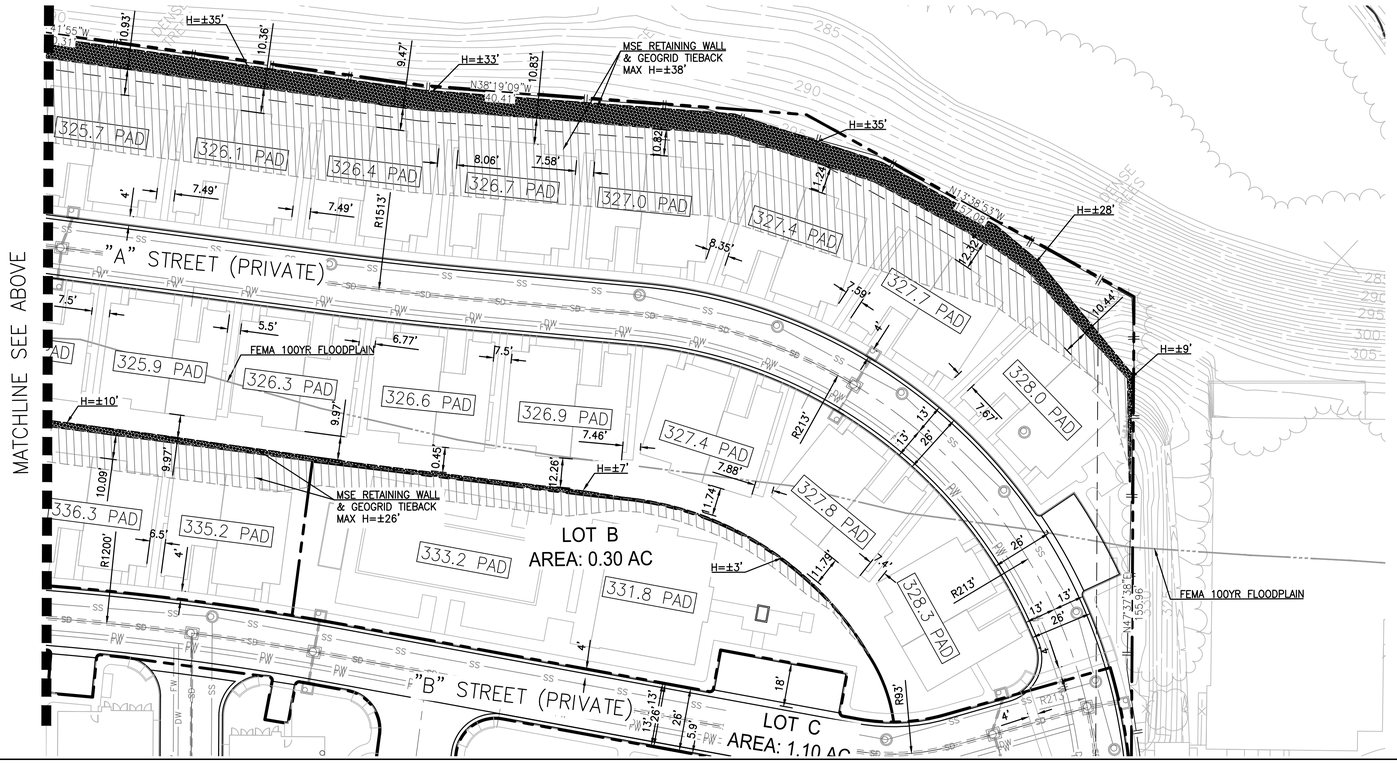
REVISIONS					
NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

FUSCOE ENGINEERING
6390 Greenwich Dr, Suite 170
San Diego, Ca 92122
858.554.1500
fuscoe.com

February 12, 2026
JOB NO. 2486-005-015
DRAWN BY: JB
SHEET T-1.3

F:\PROJECTS\2014\005\PLANS\ENTITLEMENTS\TENTATIVE TRACT MAP\2014-005 TTM T-1.2 KB.DWG (02-12-2026 8:01:19AM) Plotted by: @Reeves





REGISTERED PROFESSIONAL ENGINEER
KENNETH T. KOLLK
No. RCE 71883
Civil
STATE OF CALIFORNIA
2/12/2026

SCALE: 1" = 30'

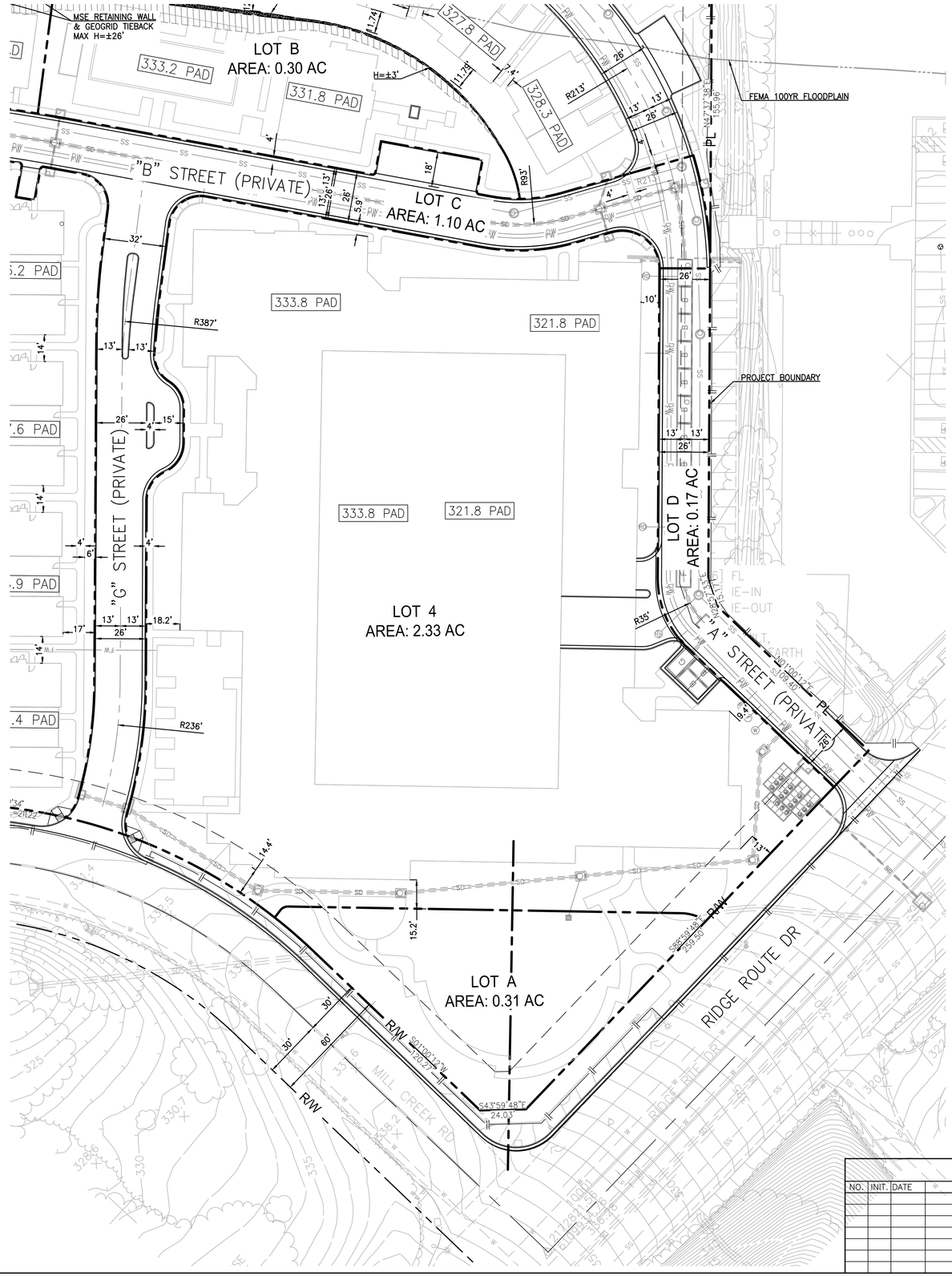
VESTING TENTATIVE TRACT NO. 19401
LAGUNA HILLS TERRAVITA
FOR CONDOMINIUM PURPOSES

REVISIONS					
NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

FUSCOE ENGINEERING
6390 Greenwich Dr, Suite 170
San Diego, Ca 92122
858.554.1500
fuscoe.com

February 12, 2026
JOB NO. 2486-005-015
DRAWN BY: JB
SHEET T-1.4

F:\PROJECTS\2014\005\PLANS\ENTITLEMENTS\TENTATIVE TRACT MAP\2014-005 TTM 1-12 KB.DWG (02-12-2026 8:52:44AM) Plotted by: JBeems



VESTING TENTATIVE TRACT NO. 19401
LAGUNA HILLS TERRAVITA
FOR CONDOMINIUM PURPOSES

REVISIONS					
NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

FUSCOE ENGINEERING
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San Diego, Ca 92122
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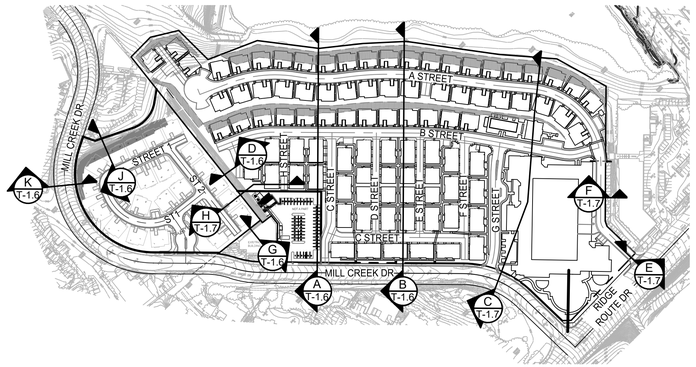
February 12, 2026
JOB NO. 2486-005-015
DRAWN BY: JB
SHEET T-1.5

I:\PROJECTS\2014\200\PLANS\ENTITLEMENTS\TENTATIVE MAP\2014-002 VTM 1-1-2 KB.DWG (02-11-2026 8:53:34AM) Plotted by: JBlevins

CONCEPTUAL SITE PLAN SECTIONS



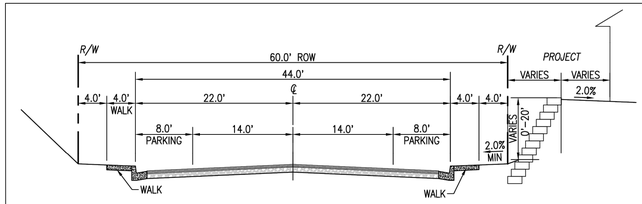
INDEX MAP
SCALE: 1"=200'



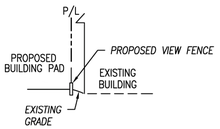
SECTION A
APPROXIMATE SCALE
HORIZONTAL: 1"=30'
VERICAL: 1"=30'



SECTION B
APPROXIMATE SCALE
HORIZONTAL: 1"=30'
VERICAL: 1"=30'



SECTION K
NOT TO SCALE



SECTION G
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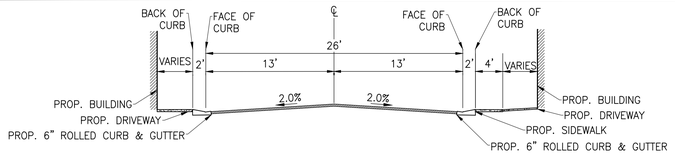
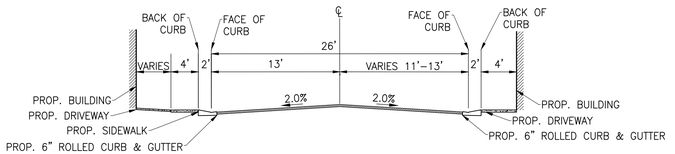


TYPICAL SECTION - FIRST ST
NOT TO SCALE



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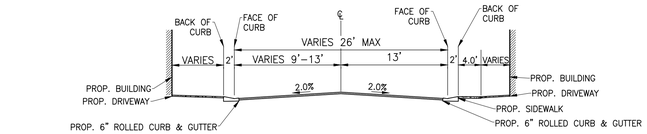

TYPICAL SECTION - "A" STREET
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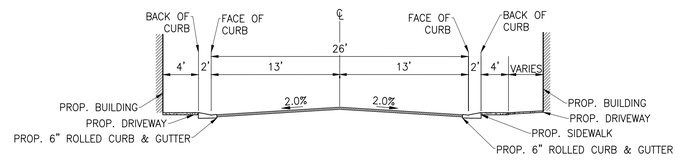

TYPICAL SECTION - "B" STREET
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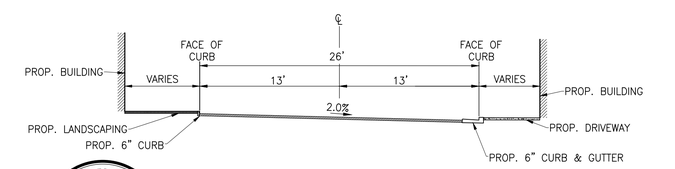

TYPICAL SECTION - "C" STREET
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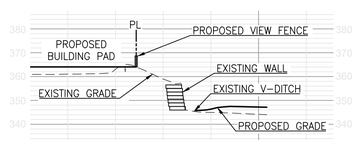
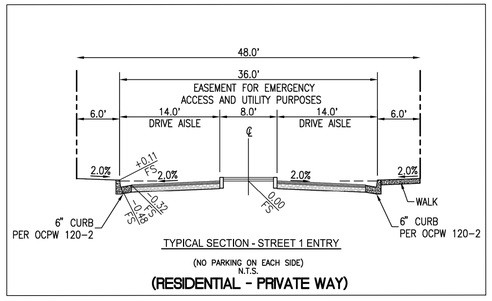
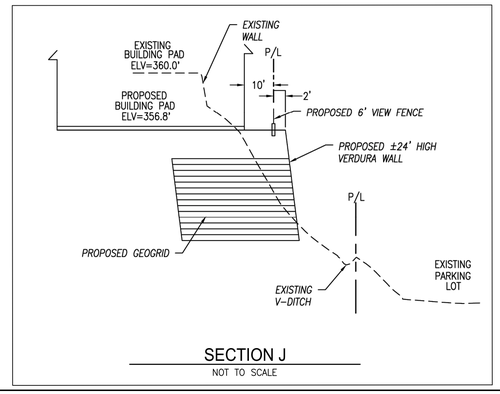


SECTION D
APPROXIMATE SCALE
HORIZONTAL: 1"=30'
VERICAL: 1"=30'



TYPICAL SECTION - STREET 1 ENTRY
(NO PARKING ON EACH SIDE)
N.T.S.
(RESIDENTIAL - PRIVATE WAY)



SECTION J
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER
KENNETH T. KOCH
No. RCE 71883
Civil
STATE OF CALIFORNIA
2/12/2026

VESTING TENTATIVE TRACT NO. 19401
LAGUNA HILLS TERRAVITA
FOR CONDOMINIUM PURPOSES

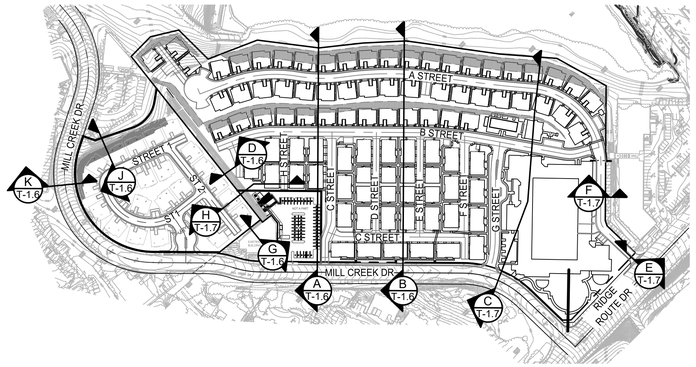
REVISIONS					
NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

FUSCOE ENGINEERING
6390 Greenwich Dr, Suite 170
San Diego, Ca 92122
858.554.1500 fuscoe.com

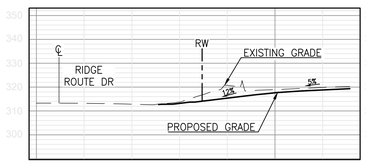
February 11, 2026
JOB NO. 2486-005-015
DRAWN BY: JB
SHEET T-1.6

F:\PROJECTS\4014\003\PLANS\ENTITLEMENTS\TENTATIVE TRACT MAP\4014-002 VTM T-1.6+1.7 SECT.DWG (02-11-2026 4:13:37PM) Plotted by: Ka

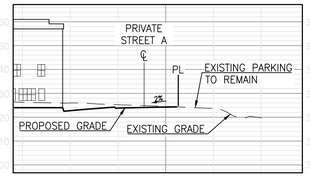
CONCEPTUAL SITE PLAN
SECTIONS



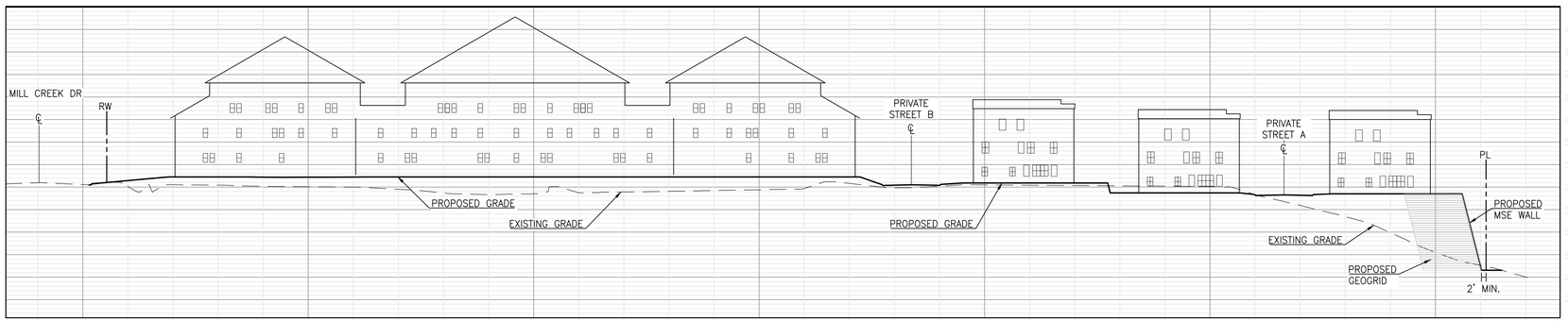
INDEX MAP
SCALE: 1"=200'



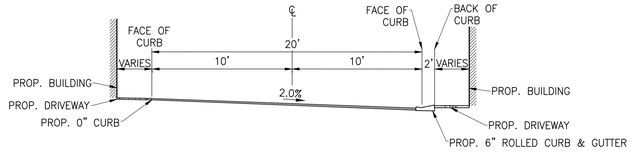
SECTION E
APPROXIMATE SCALE
HORIZONTAL: 1"=30'
VERICAL: 1"=15'



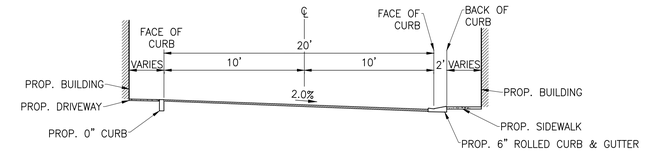
SECTION F
APPROXIMATE SCALE
HORIZONTAL: 1"=30'
VERICAL: 1"=15'



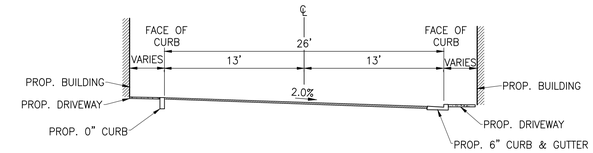
SECTION C
APPROXIMATE SCALE
HORIZONTAL: 1"=30'
VERICAL: 1"=30'



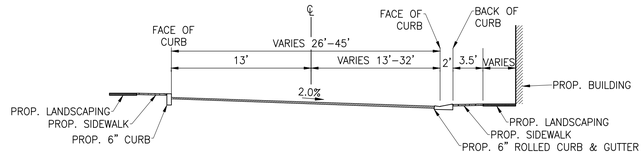
TYPICAL SECTION - "D" STREET
NOT TO SCALE



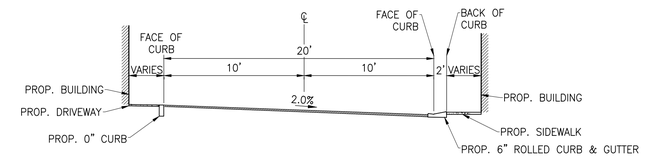
TYPICAL SECTION - "E" STREET
NOT TO SCALE



TYPICAL SECTION - "F" STREET
NOT TO SCALE



TYPICAL SECTION - "G" STREET
NOT TO SCALE



TYPICAL SECTION - "H" STREET
NOT TO SCALE



SECTION H
APPROXIMATE SCALE
HORIZONTAL: 1"=30'
VERICAL: 1"=15'

REGISTERED PROFESSIONAL ENGINEER
KENNETH T. KOLLIK
No. RCE 71883
Civil
STATE OF CALIFORNIA
2/12/2026

VESTING TENTATIVE TRACT NO. 19401
LAGUNA HILLS TERRAVITA
FOR CONDOMINIUM PURPOSES

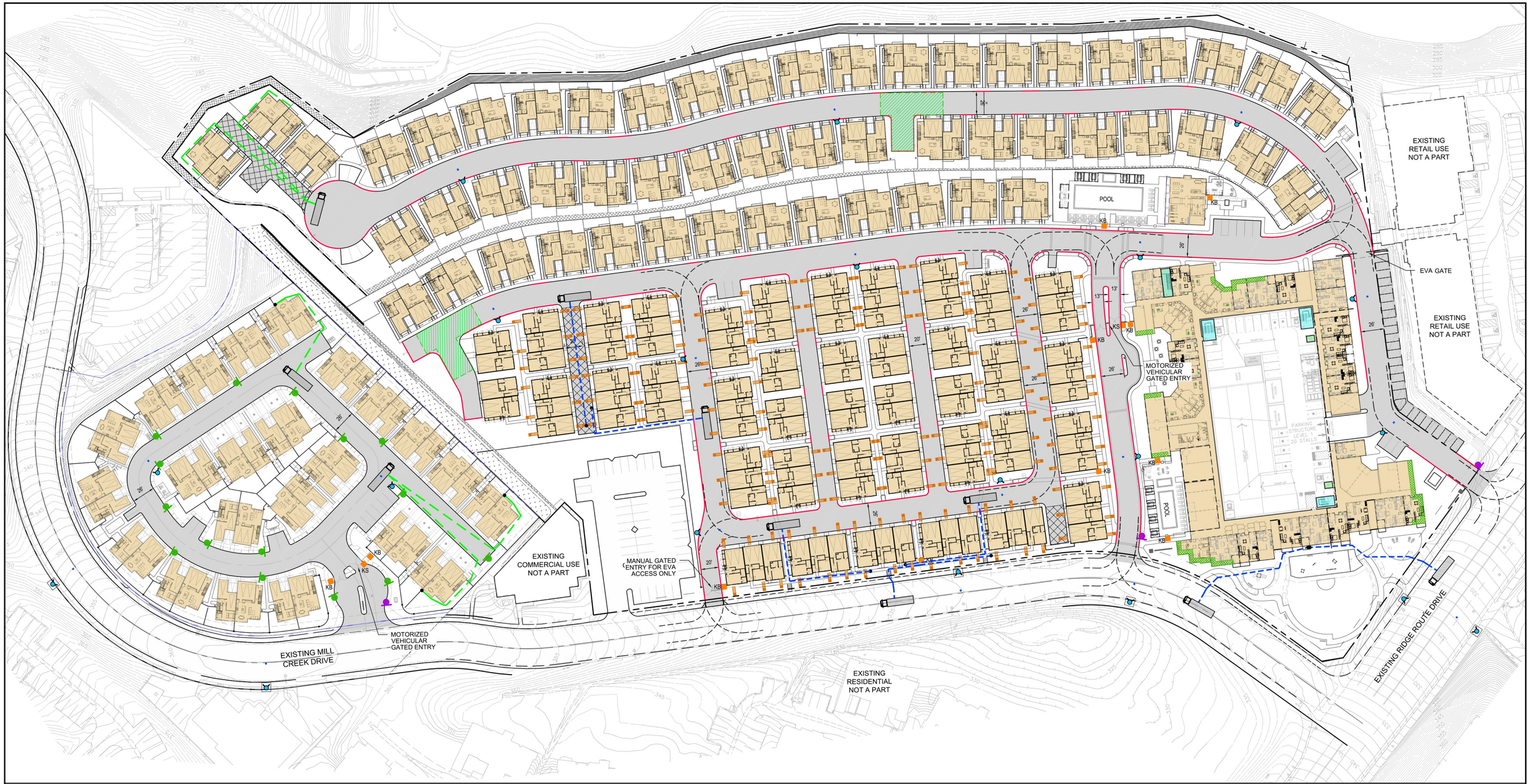
REVISIONS

NO.	INIT.	DATE	DESCRIPTION	APP'D	DATE

FUSCOE ENGINEERING
6390 Greenwich Dr, Suite 170
San Diego, Ca 92122
858.554.1500 fuscoe.com

February 11, 2026
JOB NO. 2486-005-015
DRAWN BY: JB
SHEET T-1.7

F:\PROJECTS\4014\002\PLANS\ENTITLEMENTS\TENTATIVE TRACT MAP\4014-002 VTM T-1.6+1.7 SECT.DWG (02-11-2026 4:14:12PM) Plotted by: clu



LEGEND

- EXISTING PUBLIC FIRE HYDRANT WITH BLUE MARKER.
- PROPOSED PUBLIC FIRE HYDRANT WITH BLUE MARKER.
- 150' HOSE PULL DISTANCE
- 300' HOSE PULL DISTANCE FOR DUPLEX UNITS ONLY
- PROPOSED FIRE LANE ENTRY SIGN PER DETAIL PROVIDED ON SHEET F-2 AND OCFA GUIDELINE B-01
- PROPOSED FIRE LANE NO PARKING SIGN PER DETAIL PROVIDED ON SHEET F-2 AND OCFA GUIDELINE B-01
- PROPOSED PAINTED RED CURB FIRE LANE NO PARKING MARKINGS PER DETAIL PROVIDED ON SHEET F-2 AND OCFA GUIDELINE B-01
- INDICATES FIRE DEPARTMENT TURNAROUND AREA
- INDICATES PROPOSED BUILDINGS
- INDICATES STAIR LOCATIONS AT THE AMENITY DECK ON TOP LEVEL OF THE PARKING STRUCTURE
- INDICATES ELEVATOR LOCATION AT THE AMENITY DECK ON TOP LEVEL OF THE PARKING STRUCTURE
- PROPOSED PAVED ACCESS ROAD THAT SHALL BE DESIGNED TO MAINTAINED SUPPORT AN IMPOSED LOAD OF 94,000 LBS. AND SURFACED TO PROVIDE ALL WEATHER DRIVING CAPABILITIES PER OCFA B-01 GUIDELINE REQUIREMENTS.
- INDICATES ROADWAYS NOT REQUIRED FOR FIRE DEPARTMENT ACCESS
- FIRE APPARATUS TURNING RADII: 20' WIDE PATH WITH A 20' INSIDE RADIUS AND 40' OUTSIDE RADIUS (R=40', R=20', 20')
- INDICATES GROUND LADDERING ACCESS POINT TO RESCUE LOCATIONS TO SLEEPING AREAS AT THE 3RD LEVEL OF THE TRI-PLEX BUILDINGS. SEE OCFA LADDER PLACEMENT DETAIL PROVIDED ON SHEET F-2 FOR SETBACKS AND NOTES. (10', 3' PAD, SETBACK SEE DETAIL)
- INDICATES AERIAL TRUCK LADDER ACCESS 5-LEVEL APARTMENT BUILDING BETWEEN 20' - 40' FROM ACCESS ROAD ROADWAY
- KS — INDICATES APPROXIMATE LOCATION OF A SUB-KEYED KNOX KEY SWITCH FOR THE VEHICULAR ACCESS GATE
- KB — INDICATES APPROXIMATE LOCATION OF THE SUB-KEYED KNOX BOX WITH 3-SETS OF ENTRY DOOR/GATE KEYS FOR THE PEDESTRIAN WALK IN GATES AT THE PROJECT ENTRIES, AND THE MANUAL VEHICULAR GATE EVA.

NO.	DATE	REVISIONS
1		
2		
3		
4		

SCALE: 1" = 50'-0"

0 50' 100' 150' 200'

NORTH

PROJECT - PLAN TYPE	PLAN SET: "B"
PLAN CONTROL	DATE: 09/25/2025

CIVIL ENGINEER:
FUSCOE ENGINEERING
15535 SAND CANYON AVE, SUITE 100
IRVINE, CA 92618
PHONE: (949) 474-1960

PLANNING / ARCHITECT / LANDSCAPE:
URBAN ARENA
3195 RED HILL AVE, LOFT F
COSTA MESA, CA 92626
PHONE: (714) 754-4500

PREPARED FOR:
KINGSBARN CAPITAL & DEVELOPMENT
2500 SAND HILL ROAD, SUITE 320
MENIO PARK, CA 94025
PHONE: (650) 782-3300

PREPARED BY:
firesafe PLANNING, INC.
28506 AIROSO STREET
RANCHO MISSION VIEJO, CA 92694
(949) 240-5911

TERRAVITA
PRELIMINARY FIRE ACCESS PLAN
PRELIMINARY FIRE ACCESS LAYOUT

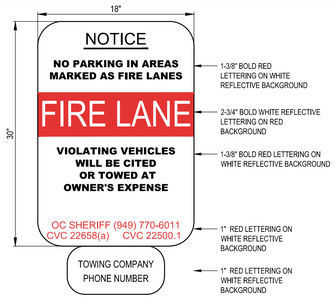
CITY OF LAGUNA HILLS, CALIFORNIA

ORANGE COUNTY FIRE AUTHORITY

SHEET F-1

1 OF 2

FIRE LANE SIGN DETAILS

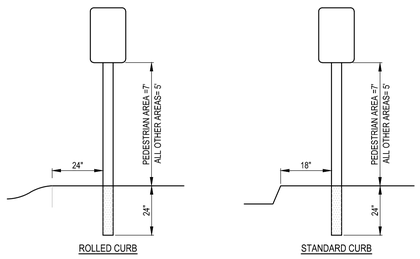


PROPOSED FIRE LANE ENTRY SIGN

NOTE: TOWING COMPANY CONTACT INFORMATION IS REQUIRED FOR ALL PROPERTIES WITH A STANDING WRITTEN AGREEMENT FOR SERVICES WITH A TOWING COMPANY PER THE CALIFORNIA VEHICLE CODE.



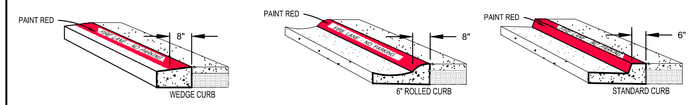
PROPOSED FIRE LANE NO PARKING SIGN



NOTES:
1. SIGN SHALL BE MOUNTED FACING THE DIRECTION OF VEHICULAR TRAVEL.
2. SIGNS MAY BE MOUNTED ON EXISTING POSTS OR BUILDINGS IF CENTERLINE OF SIGN IS NO MORE THAN 24 INCHES FROM EDGE OF ROADWAY.
3. BURY DEPTH SHALL BE A MINIMUM OF 24 INCHES AND REBAR, A CONCRETE FOOTING, OR ANOTHER METHOD TO PREVENT REMOVAL OF THE SIGN IS RECOMMENDED.

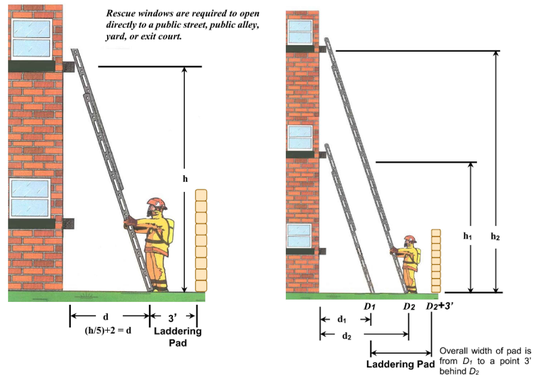
RED CURB DETAILS

NOTE: CURBS ALONG ACCESS LANES SHALL BE PAINTED OSHA SAFETY RED OR EQUIVALENT. "FIRE LANE NO PARKING" SHALL BE PAINTED ON TOP OF CURB IN WHITE LETTERING 3 INCHES HIGH AND SHALL BE SPACED 30'-0" ON CENTER OR PORTION THEREOF.



OCFA GROUND LADDERING REQUIREMENTS

ATTACHMENT 5
Ladder Pad Setback at Rescue Openings



Placement of Ladders

Sill Height (h)	Distance (d)	Sill Height (h)	Distance (d)	Sill Height (h)	Distance (d)
35'	9'-0"	25'	7'-0"	15'	5'-0"
34'	8'-10"	24'	6'-10"	14'	4' to 5'
33'	8'-7"	23'	6'-7"	13'	4' to 5'
32'	8'-5"	22'	6'-5"	12'	3' to 5'
31'	8'-2"	21'	6'-2"	11'	3' to 4'
30'	8'-0"	20'	6'-0"	10'	2' to 4'
29'	7'-10"	19'	5'-10"	9'	2' to 4'
28'	7'-7"	18'	5'-7"	8'	2' to 3'
27'	7'-5"	17'	5'-5"	7'	1' to 3'
26'	7'-2"	16'	5'-2"	<7'	1' to 2'

NO.	DATE	REVISIONS
1		
2		
3		
4		

PROJECT - PLAN TYPE	PLAN SET: "B"
PLAN CONTROL	DATE: 09/25/2025

CIVIL ENGINEER:
FUSCOE ENGINEERING
15535 SAND CANYON AVE, SUITE 100
IRVINE, CA 92618
PHONE: (949) 474-1960

PLANNING / ARCHITECT / LANDSCAPE:
URBAN ARENA
3195 RED HILL AVE, LOFT F
COSTA MESA, CA 92626
PHONE: (714) 754-4500

PREPARED FOR:
KINGSBARN CAPITAL & DEVELOPMENT
2500 SAND HILL ROAD, SUITE 320
MENIO PARK, CA 94025
PHONE: (650) 782-3300

PREPARED BY:
firesafe PLANNING, INC.
28506 AIROSO STREET
RANCHO MISSION VIEJO, CA 92694
(949) 240-5911

TERRAVITA
PRELIMINARY FIRE ACCESS PLAN
FORE ACCESS DETAILS AND NOTES
CITY OF LAGUNA HILLS, CALIFORNIA
ORANGE COUNTY FIRE AUTHORITY

SHEET
F-2
2 OF 2



LIGHTING FIXTURE LEGEND



A1
44W LED POST LIGHT ON 16FT POLE
TYPE 3 DISTRIBUTION WITH HOUSE SIDE SHIELD
3000K - 3641 LUMENS

A2
36W LED POST LIGHT ON 12FT POLE
TYPE 3 DISTRIBUTION WITH HOUSE SIDE SHIELD
3000K - 3096 LUMENS

A3
71W LED POST LIGHT ON 16FT POLE
TYPE 5 DISTRIBUTION
3000K - 5822 LUMENS

A4
36W LED POST LIGHT ON 12FT POLE
TYPE 5 DISTRIBUTION
3000K - 2952 LUMENS



B
12.6W LED SIGN LIGHT
3000K - 1119 LUMENS

LED BUILDING LIGHT
**SHOWN FOR PHOTOMETRIC PURPOSES ONLY

SCALE: 1" = 40'

40' 20' 0' 40' 80'

NO WORK SHALL BE DONE ON THIS SITE UNTIL BELOW AGENCY IS NOTIFIED OF INTENTION TO GRADE OR EXCAVATE.
Underground Service Alert
Call: TOLL FREE
1-800
227-2600
TWO WORKING DAYS BEFORE YOU DIG

CLIENT:
KINGSBARN REALTY CAPITAL
1645 Village Center Circle #200
Las Vegas, NV 89134
Phone: (702) 454-9000

MARK	DATE	INITIAL	DESCRIPTION	REC.	APPR	DATE
		E.O.R.	REVISION			

BENCHMARK:

BASIS OF BEARING:

ENGINEER OF RECORD'S SEAL

Intelligent Lighting Systems
Design + Procurement
1200 W. COLTON AVE. STE 619
REDLANDS, CA 92374
424.666.9071
SALES@ILIGHTINGSYSTEMS.COM

PLANS PREPARED UNDER THE SUPERVISION OF:

NAME R.C.E. # EXP. DATE

CITY OF LAGUNA HILLS
ORANGE COUNTY

ACCT. NO.

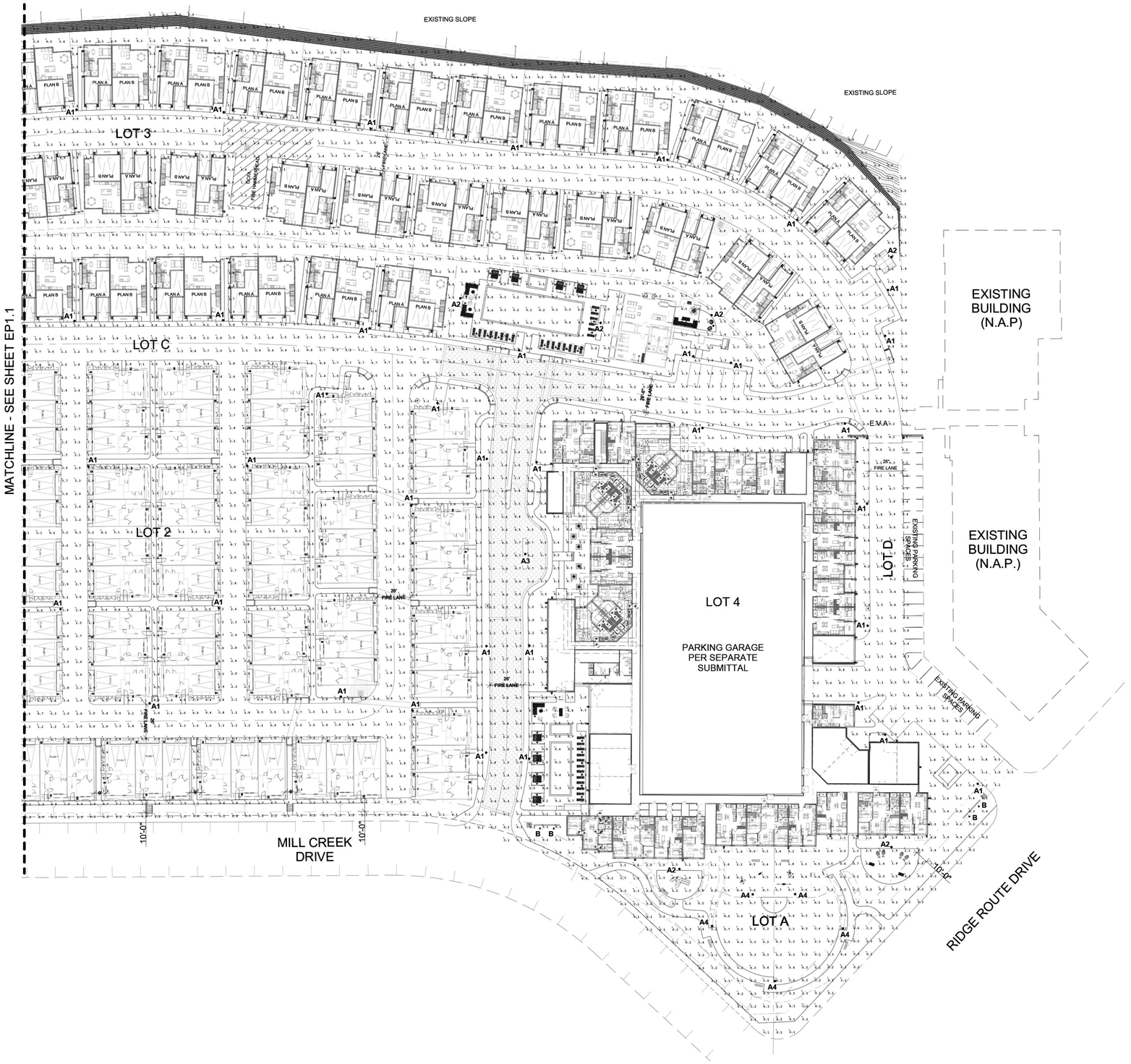
TERRIVITA
LAGUNA HILLS, CA
PHOTOMETRIC SITE PLAN

SHEET EP1.1 OF 2

FOR:

W.O

CITY I. D. NO.



LIGHTING FIXTURE LEGEND



A1

44W LED POST LIGHT ON 16FT POLE
TYPE 3 DISTRIBUTION WITH HOUSE SIDE SHIELD
3000K - 3641 LUMENS

A2

36W LED POST LIGHT ON 12FT POLE
TYPE 3 DISTRIBUTION WITH HOUSE SIDE SHIELD
3000K - 3096 LUMENS

A3

71W LED POST LIGHT ON 16FT POLE
TYPE 5 DISTRIBUTION
3000K - 5822 LUMENS

A4

36W LED POST LIGHT ON 12FT POLE
TYPE 5 DISTRIBUTION
3000K - 2952 LUMENS



B

12.6W LED SIGN LIGHT
3000K - 1119 LUMENS

LED BUILDING LIGHT
**SHOWN FOR PHOTOMETRIC PURPOSES ONLY

SCALE: 1" = 40'

40' 20' 0' 40' 80'

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Underground Service Alert
Call: TOLL FREE
1-800
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TWO WORKING DAYS BEFORE YOU DIG

CLIENT:
KINGSBARN REALTY CAPITAL
1645 Village Center Circle #200
Las Vegas, NV 89134
Phone: (702) 454-9000

MARK	DATE	INITIAL	DESCRIPTION	REC.	APPR	DATE
		E.O.R.	REVISION			

BENCHMARK:

BASIS OF BEARING:

ENGINEER OF RECORD'S SEAL

Intelligent Lighting Systems
Design + Procurement
1200 W. COLTON AVE STE 619
REDLANDS, CA 92374
909.478.8888
SALES@ILIGHTINGSYSTEMS.COM

PLANS PREPARED UNDER THE SUPERVISION OF:

NAME R.C.E. # EXP. DATE

CITY OF LAGUNA HILLS
ORANGE COUNTY

ACCT. NO.

TERRIVITA
LAGUNA HILLS, CA
PHOTOMETRIC SITE PLAN

SHEET EP1.2 OF 2

FOR: W.O CITY I. D. NO.

Terravita California Environmental Quality Act AB 130 Analysis	
AB 130 Criteria	**Compliance**
The project is a "housing development project" (as defined by 65589.5(h)(2)). 1. all residential. 2. mixed-use, with 2/3rds of the SF residential. 3. mixed-use with at least 50% of the new or converted SF is designated for residential use and (a) at least 500 residential units and (b) no portion a hotel, motel, B&B or other transient lodging (residential hotels per H&S § 50519 okay). 4. mixed-use with at least 50% of new or converted SF is residential use and (a) at least 500 new units, (b) demo/conversion of at least 100,000 SF of nonresidential use, (c) demolishes at least 50% of the existing nonresidential uses, and (d) no portion is a hotel, motel (see above) 5. transitional housing or supportive housing. 6. farmworker housing.	**Complies**. The project is entirely residential and therefore is a "housing development project" within the meaning of Government Code Section 65589.5, subsection (h)(2).
Less Than 20 Acres. The site is less than 20 acres (except if a builder's remedy project not more than 5 acres).	**Complies**. The site is 18.51 acres.
City or Urban Area. The project is located either (a) within an incorporated municipality or (b) an urban area, as defined by the Census Bureau.	**Complies**. The project is located in the City of Laguna Hills, an incorporated municipality.

Terravita California Environmental Quality Act AB 130 Analysis	
AB 130 Criteria	**Compliance**
Urban Uses. The site meets any of the following: (1) previously developed with urban uses, (2) at least 75% of the perimeter of the site adjoins parcels developed with urban uses, (3) at least 75% of the are within ¼ mile radius of the site is developed with urban uses, (4) for sites with four sides, at least 3 of 4 sides are developed with urban uses and at least 2/3rds of the perimeter of the site adjoins parcels that are developed with urban uses. The term "urban use" means "any current or previous residential or commercial development, public institution, or public park that is surrounded by other urban uses, parking lot or structure, transit or transportation passenger facility, or retail use, or any combination of those uses"	**Complies**. The site is currently developed with urban uses (i.e., office buildings).
General Plan/Zoning Consistency. The project is consistent with the GP and zoning. 1. A project shall be "deemed consistent" if there is substantial evidence that would allow a reasonable person to conclude it is consistent. 2. If the GP/zoning are inconsistent, a project is deemed consistent with both if consistent with one.	**Complies**. The site has a general plan designation of Mixed Use. The Mixed Use designation allows a variety of office, public, light industrial, residential, and commercial establishments such as retail and restaurants in proximity. The site is zoned Mixed Use with a Housing Overlay (MXU-H). Within MXU zoning the development of single family attached development is allowed with a Site Development Permit, and multi-family development is allowed with a Conditional Use Permit. The H overlay provides development and land use regulations for development of housing on specified sites in the City of Laguna Hills 2021-2029 Housing Element to accommodate the City's unmet regional Housing Needs Allocation (RHNA). The project proposes a residential development consistent with the General Plan and zoning designations.

Terravita California Environmental Quality Act AB 130 Analysis	
AB 130 Criteria	**Compliance**
3. The approval of a density bonus, incentives/concessions, waivers, or reductions of parking per the DBL are not grounds to find the project inconsistent.	The project is a qualifying housing development under Density Bonus Law and it is entitled to unlimited waivers or reductions of development standards which are necessary to facilitate construction of the project, as designed. The project incorporates several proposed waivers or reductions of development standards per Density Bonus Law.
50% of Default Housing Element Density. The project must be at least 50% of the applicable Mullin Density (Govt. Code § 65583.2(c)). For most urban areas, this means a project must have a minimum of 15 du/ac.	**Complies**. The project site is 18.51 acres and proposes 480 units, resulting in a density of 25.9 dwelling units per acre (du/acre). The applicable Mullins Density for Laguna Hills is 30 du/acre; 50% of the applicable Mullins Density is 15 du/acre. The project site density of 25.9 du/acre is more than 15 du/acre and therefore more than 50% of the Default Housing Element Density.
Coastal Zone: If the site is in the Coastal Zone, there is substantial evidence in the record that the site is **not** located in any of the areas described below. 1. A site that is between the sea and the first public road paralleling the sea or within 300 feet of the inland extent of any beach or of the mean high tide line where there is no beach, whichever is greater. 2. A site that is tidelands, submerged lands, public trust lands, or within 100 feet of any wetland, estuary, or stream or within 300 feet of the top of any coastal bluff. 3. The site is in an area of the Coastal Zone that is not subject to a certified Local Coastal Program or certified Land Use Plan.	**Complies / Inapplicable.** The site is not in the Coastal Zone.

Terravita California Environmental Quality Act AB 130 Analysis	
AB 130 Criteria	**Compliance**
4. An area of the Coastal Zone that is vulnerable to five feet of sea level rise, as determined by specified entities (e.g., NOAA, USGS, OPC, University of California, or other local government pursuant to hazards vulnerability assessment). 5. A site that is <u>not</u> zoned for multifamily housing. 6. On or within 100 feet of a wetland, or on prime agricultural land.	
<u>Not Farmland</u>. The site is *not* either prime farmland or farmland of statewide importance, or land zoned or designated for agricultural production or preservation by a local ballot measure approved by the voters.	**Complies**. According to the California Department of Conservation, California Important Farmland Finder, the site is designated as "Urban and Built-Up Land" and the site is not either prime farmland or farmland of statewide importance, or land zoned or designated agricultural production or preservation, as shown in the link below and in the image enclosed as **Exhibit "A"**. [California Department of Conservation, California Important Farmland Viewer, https://maps.conservation.ca.gov/DLRP/CIFF/ (last accessed December 3, 2025) (address 24401 Ridge Route Dr., Laguna Hills, CA 92653)]
<u>Not Wetlands</u>. The site does not have wetlands as defined by the USFWS.	**Complies**. According to the U.S. Fish & Wildlife Service National Wetlands Inventory, the project area does not include wetlands, as shown in the link below and in the image enclosed as **Exhibit "B"**. [U.S. Fish & Wildlife Service, National Wetlands Inventory, https://fwsprimary.wim.usgs.gov/wetlands/apps/wetlands-mapper/ (last accessed December 3, 2025) (address 24401 Ridge Route Dr., Laguna Hills, CA 92653)]

Terravita California Environmental Quality Act AB 130 Analysis	
AB 130 Criteria	**Compliance**
VHFHSZ. The site is *not* within a state or local VHFHSZ, except if the site has adopted fire hazard mitigation measures pursuant to existing building standards or state fire mitigation measures applicable to the development, including, but not limited to standards under (1) PRC §§ 4290, 4291 or 51182, (2) Chapter 7A of the CBC.	**Complies**. According to the Fire Hazard Severity Zone (FHSZ) maps prepared by Cal Fire, the site is not located in a Very High Fire Hazard Severity Zone (VHFHSZ), as shown in the link below and in the image enclosed as **Exhibit "C"**. [Cal Fire, Fire Hazard Severity Zones (Map), https://osfm.fire.ca.gov/what-we-do/community-wildfire-preparedness-and-mitigation/fire-hazard-severity-zones (last accessed December 3, 2025) (address 24401 Ridge Route Dr., Laguna Hills, CA 92653)]
Hazardous Waste. The site is *not* a hazardous waste site that is listed on the Cortese List (Govt. Code § 65962.5) or a site designated by DTSC pursuant to H&S § 25356 (repealed, but maybe Division 45, as recodifying (AB 2293 (2022))) unless either of the following apply: 1. The site is an underground storage tank site that received a uniform closure letter based on closure criteria for residential use or residential mixed uses. 2. An agency (state or local) has made a determination that the site is suitable for residential or mixed-uses.	**Complies**. According to the Hazardous Waste and Substances Site List prepared by the California Department of Toxix Substances Control, the site is not located on hazardous waste site that is listed on the Cortese List or a site designated by DTSC pursuant to H&S § 25356. [California Department of Toxic Substances Control, Hazardous Waste and Substances Site List, https://www.envirostor.dtsc.ca.gov/public/search?cmd=search&reporttype=CORTESE&site_type=CSITES,FUDS&status=ACT,BKLG,COM&reporttitle=HAZARDOUS+WASTE+AND+SUBSTANCES+SITE+LIST+%28CORTESE%29 (last accessed December 3, 2025)]
Earthquake Fault Zone. The site is *not* within an earthquake fault zone, unless the development complies with applicable seismic standards of the CBC and any local building standards.	**Complies**. According to Fault Activity Map prepared by the California Department of Conservation, the site is not located in an earthquake fault zone, as shown in the link below and in the image enclosed as **Exhibit "D"**. [California Department of Conservation, Fault Activity Map of California

Terravita California Environmental Quality Act AB 130 Analysis	
AB 130 Criteria	**Compliance**
	https://maps.conservation.ca.gov/cgs/fam/ (last accessed December 3, 2025) (address 24401 Ridge Route Dr., Laguna Hills, CA 92653)]
Flood Hazard Area. The site is *not* within a special flood hazard area subject to a 1% annual change of flood as determined by FEMA, unless specific standards are met.	**Complies**. According to the Flood Maps prepared by the Federal Emergency Management Agency (FEMA), a portion of the site is located within a Special Flood Hazard Area (Zone A), as shown in the link below and in the image enclosed as **Exhibit "E"**. However, a hydrology analysis was prepared by Chang Consultants, dated August 11, 2025, which included a flow rate analysis (HEC-RAS) to determine 100-year water surface elevations for the project. The report concluded that the FEMA floodplain designation is not accurate based on analyzed (lower) flow rates and that the project is not subject to floodplain requirements from the California Building Code. As a condition of approval, the applicant shall either obtain a Letter of Map Revision or obtain a Letter of Map Amendment from FEMA prior to issuance of a certificate of occupancy. [Federal Emergency Management Agency (FEMA), Flood Map Services, https://msc.fema.gov/portal/search (last accessed December 3, 2025) (address 24401 Ridge Route Dr., Laguna Hills, CA 92653)]
Regulatory Floodway. The site is *not* within a regulatory floodway as determined by FEMA, unless specific standards are met.	**Complies**. According to the Flood Maps prepared by the Federal Emergency Management Agency, the site is not located within a Regulatory Floodway, as shown in the link below and in the image enclosed as **Exhibit "E"**. [Federal Emergency Management Agency (FEMA), Flood Map Services, https://msc.fema.gov/portal/search (last accessed December 3, 2025) (address 24401 Ridge Route Dr., Laguna Hills, CA 92653)]
Conservation Lands. The site is *not* identified for conservation in an adopted natural resource protection plan.	**Complies**. According to the California Protected Areas Database hosted on the California State Geoportal, the site is not identified for conservation in an adopted natural resource protection plan, as shown in the link below and in the image enclosed as **Exhibit "F"**.

Terravita California Environmental Quality Act AB 130 Analysis	
AB 130 Criteria	**Compliance**
	[California State Geoportal, Protected Areas Database, https://www.mapcollaborator.org/cpad/?base=map&y=33.52484&x=-117.77245&z=16&layers=cpad_access%2Ccpad_ownlevel%2Ccpad_ownership%2Ccpad_military%2Cnotes%2Cpolygons%2Cuploads&opacs=50%2C50%2C50%2C100%2C100%2C25%2C90 (last accessed December 3, 2025) (address 24401 Ridge Route Dr., Laguna Hills, CA 92653)]
Protected Species Habitat. The site does *not* have habitat for protected species identified as a candidate, sensitive, or special status species by state/federal agencies.	**Complies**. According to the Biological Constraints Analysis performed by Psomas on October 15, 2024, the site contains no undeveloped habitat areas (vegetation is largely the result of landscaping), contains no special status vegetation types, and lacks suitable habitat to support any special status plant species given its currently developed state (office park). Similarly, the site lacks suitable habitat with potential to support any special status wildlife given its currently developed state (office park), and therefore special status wildlife are expected to be absent from the site.
No Conservation Easement. The site is *not* subject to a conservation easement.	**Complies**. According to the Conservation Easement Database hosted on the California State Geoportal, the site is not subject to a conservation easement, as shown in the link below and in the image enclosed as **Exhibit "G"**. [California State Geoportal, Conservation Easement Database Viewer, https://gis.cnra.ca.gov/apps/cced/ (last accessed December 3, 2025) (address 24401 Ridge Route Dr., Laguna Hills, CA 92653)]
No Historic Demolition. The project does *not* require the demolition of a historic structure on a national, state or local register before the date of an SB 330 preliminary application.	**Complies**. The site does not require the demolition of any historic structures. The buildings that exist on the site are not listed on a national, state, or local register. [National Parks Service, National Register of Historic Places, https://www.nps.gov/subjects/nationalregister/database-research.htm#table California State Geoportal, Conservation Easement Database Viewer,

Terravita California Environmental Quality Act AB 130 Analysis	
AB 130 Criteria	**Compliance**
	https://gis.cnra.ca.gov/apps/cced/ (last accessed December 3, 2025) (Laguna Hills)] [California State Parks Department, Built Environment Resources Directory (BERD) (Orange County), https://ohp.parks.ca.gov/?page_id=30338 (last accessed December 3, 2025) (Laguna Hills)] [Laguna Hills Historic Buildings Register (none located)]
No Transient Lodging. For a project deemed complete on or after January 1, 2025, no portion is designated for use as a hotel, motel, B&B or other transient lodging. A residential hotel and a resident's use or marketing of a unit as an STR consistent with law are not considered transient lodging. The term "deemed complete" means submittal of an SB 330 preliminary application, or if no SB 330 preliminary application is submitted, then deemed complete by the local agency.	**Complies**. No portion of the Project would be a hotel, motel, B&B or other transient lodging.
500 Feet of a Freeway. If housing would be located within 500 feet of a freeway: 1. The building shall have a central HVAC system. 2. The outdoor air intakes for the HVAC system shall face away from the freeway. 3. The building shall provide a minimum MERV 16 air	**Complies**. The Project is not located within 500 feet of a freeway. The closest freeway (I-5) is located approximately 0.75 miles East of the site.

Terravita California Environmental Quality Act AB 130 Analysis	
AB 130 Criteria	**Compliance**
filtration system, with filters replaced as recommended by the manufacturer. 4. The building shall not have balconies that face the freeway.	

Exhibit A - Farmland

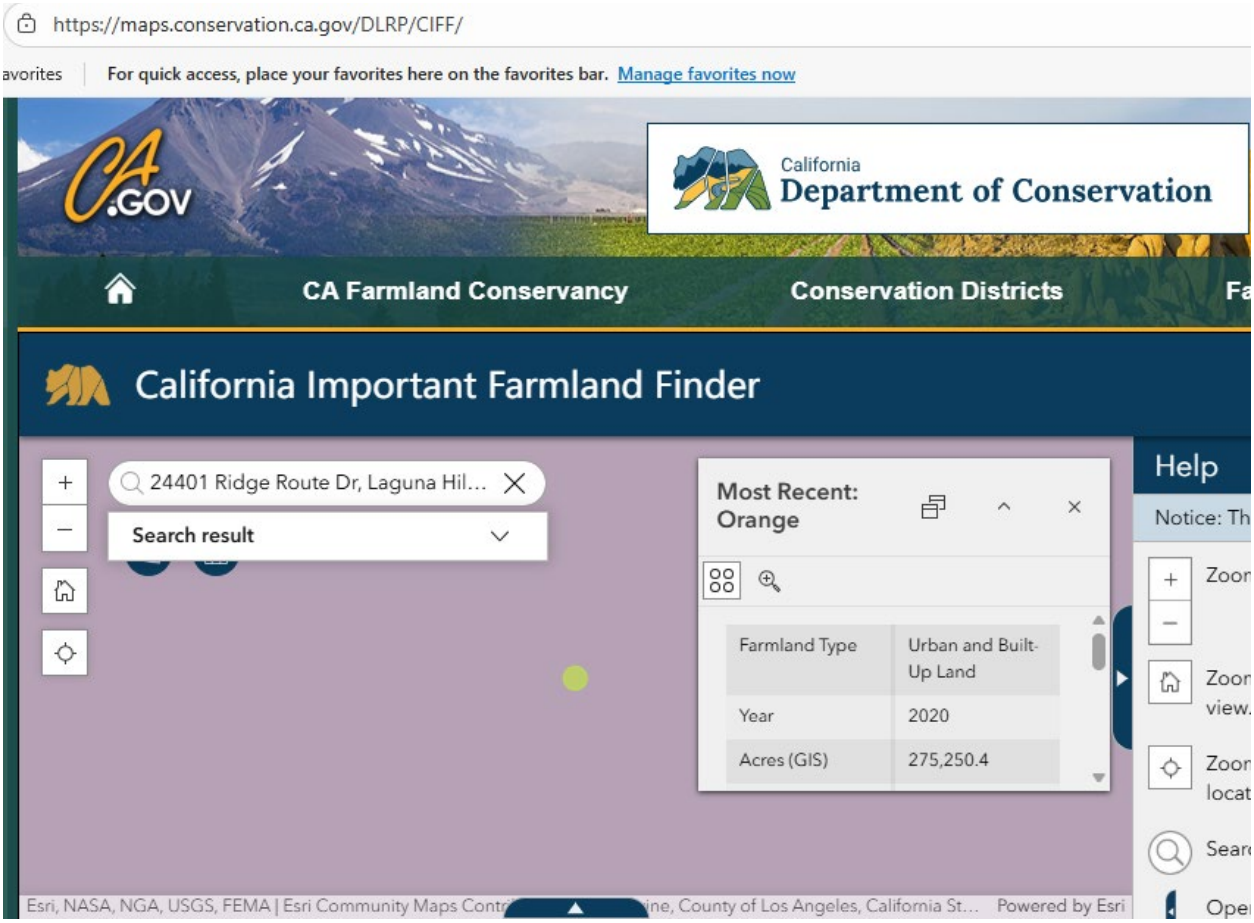

https://maps.conservation.ca.gov/DLRP/CIFF/
For quick access, place your favorites here on the favorites bar. Manage favorites now
California
Department of Conservation
CA Farmland Conservancy
Conservation Districts
California Important Farmland Finder
24401 Ridge Route Dr, Laguna Hil...
Search result
Most Recent:
Orange
Farmland Type
Urban and Built-Up Land
Year
2020
Acres (GIS)
275,250.4
Help
Notice: Th
Esri, NASA, NGA, USGS, FEMA | Esri Community Maps Contri
ine, County of Los Angeles, California St...
Powered by Esri

Exhibit B - Wetlands


PSSC
R2UBFr
PUBHx
R4SBCx
Mill Creek Dr
Avenida Espinazo
Veeh
Reservoir
PSSCh
PUBHh
Mill Creek Dr
Caminito Basillo
Caminito Salado
Mill Creek Dr

Exhibit C – Fire Hazard Severity Zones

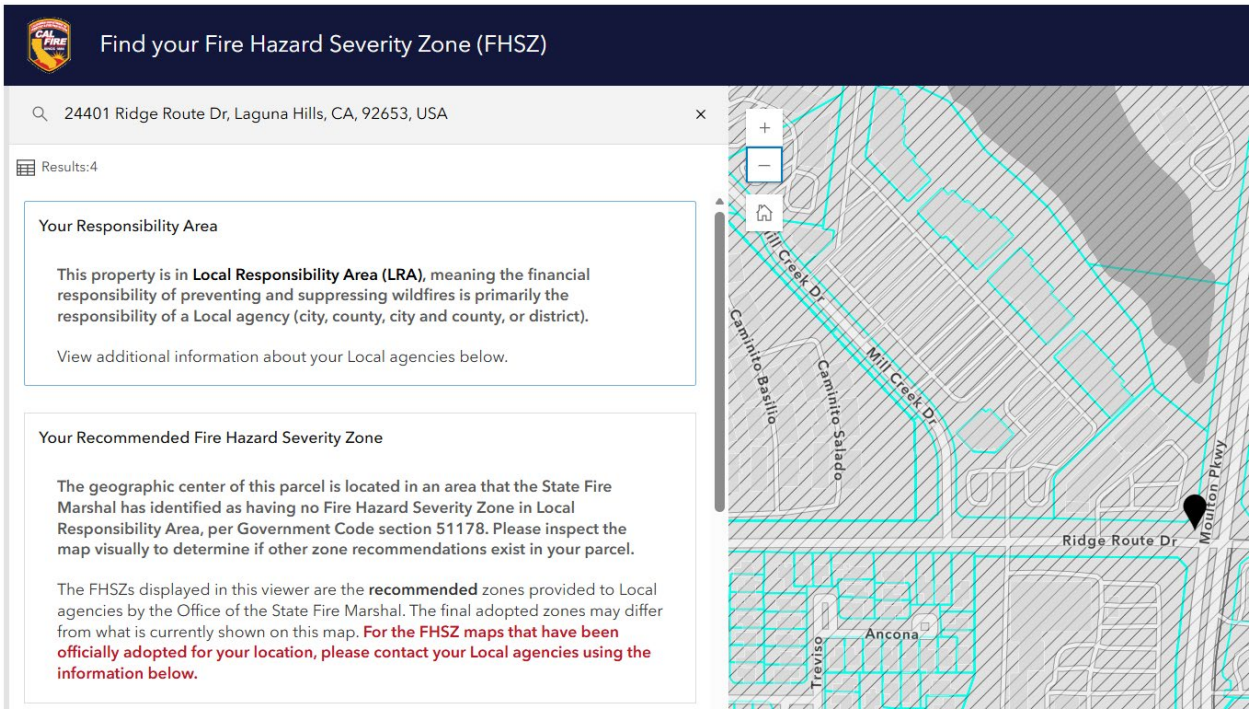

Find your Fire Hazard Severity Zone (FHSZ)
24401 Ridge Route Dr, Laguna Hills, CA, 92653, USA
Results:4
Your Responsibility Area
This property is in Local Responsibility Area (LRA), meaning the financial responsibility of preventing and suppressing wildfires is primarily the responsibility of a Local agency (city, county, city and county, or district).
View additional information about your Local agencies below.
Your Recommended Fire Hazard Severity Zone
The geographic center of this parcel is located in an area that the State Fire Marshal has identified as having no Fire Hazard Severity Zone in Local Responsibility Area, per Government Code section 51178. Please inspect the map visually to determine if other zone recommendations exist in your parcel.
The FHSZs displayed in this viewer are the recommended zones provided to Local agencies by the Office of the State Fire Marshal. The final adopted zones may differ from what is currently shown on this map. For the FHSZ maps that have been officially adopted for your location, please contact your Local agencies using the information below.
Mill Creek Dr
Caminito Basillo
Caminito Salado
Mill Creek Dr
Moulton Pkwy
Ridge Route Dr
Ancona
Treviso

Exhibit D – Fault Zones

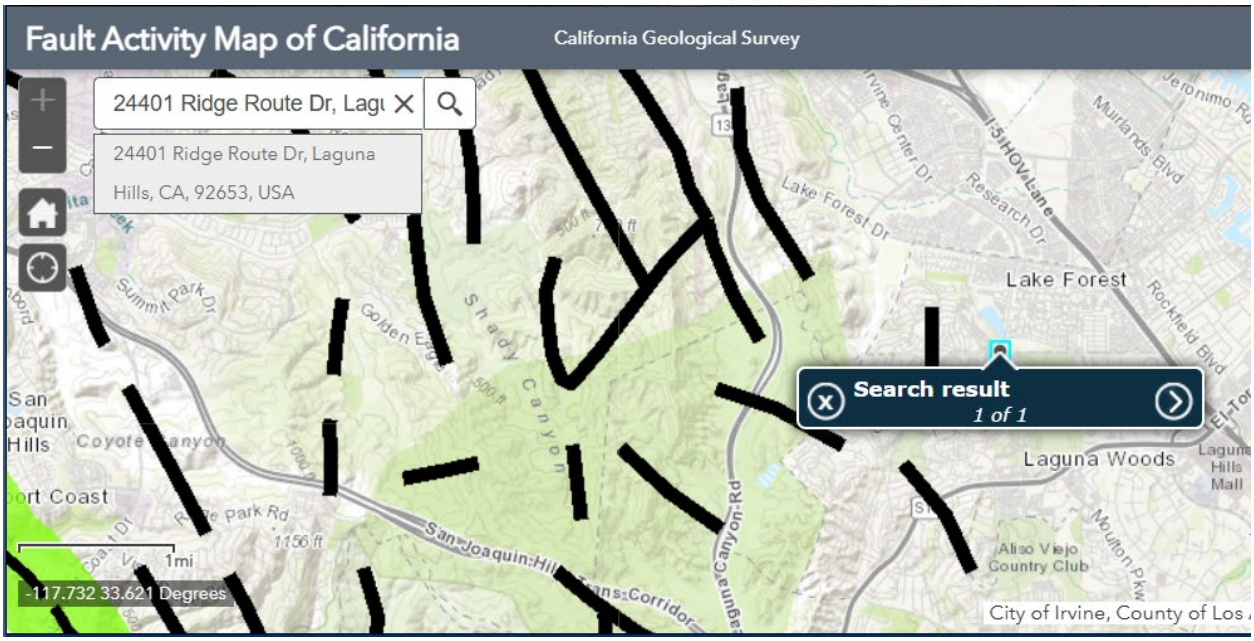
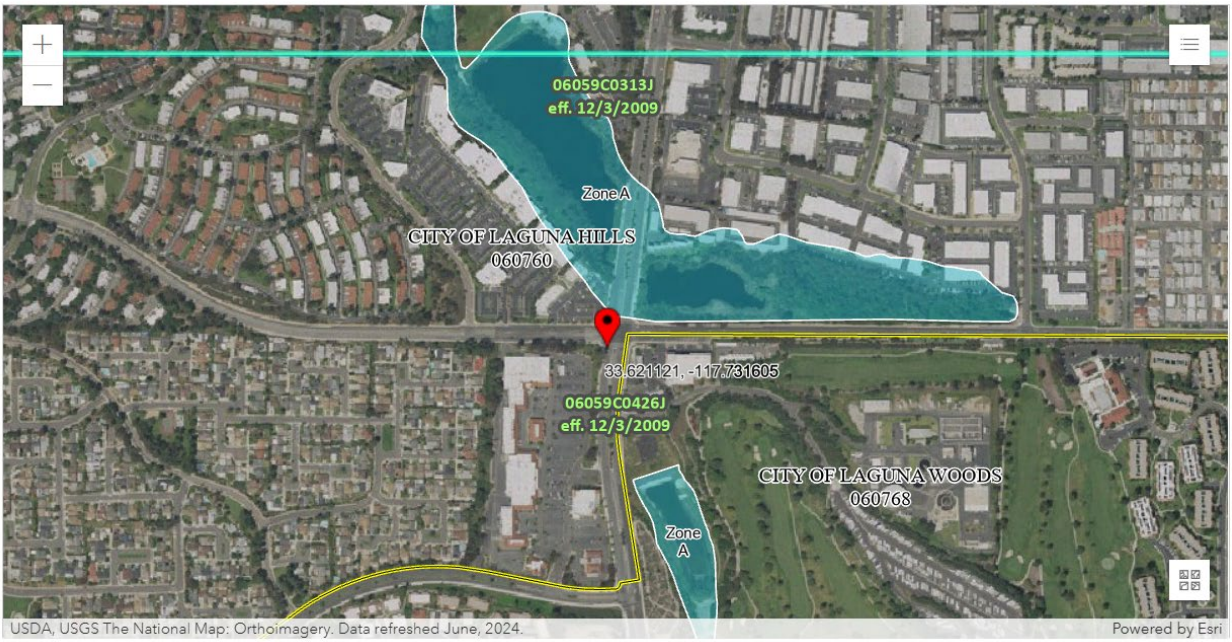

Fault Activity Map of California
California Geological Survey
24401 Ridge Route Dr, Lagu
24401 Ridge Route Dr, Laguna Hills, CA, 92653, USA
Search result
1 of 1
Lake Forest
Laguna Woods
Lake Forest Dr
Research Dr
Rockfield Blvd
Muirlands Blvd
Jeronimo Rd
Shady Canyon
Golden Eagle
Summit Park Dr
Coyote Canyon
San Joaquin Hills
Aliso Viejo Country Club
Laguna Hills Mall
1mi
-117.732 33.621 Degrees
City of Irvine, County of Los

Exhibit E – Flood Hazard Zones and Regulatory Floodways



PIN
Approximate location based on user input and does not represent an authoritative property location

MAP PANELS
Selected FloodMap Boundary
Digital Data Available
No Digital Data Available
Unmapped

SPECIAL FLOOD HAZARD AREAS
Without Base Flood Elevation (BFE) Zone A, V, A99
With BFE or Depth
Regulatory Floodway Zone AE, AO, AH, VE, AR
0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
Future Conditions 1% Annual

OTHER FEATURES
Cross Sections with 1% Annual Chance
Water Surface Elevation
Coastal Transect
Base Flood Elevation Line (BFE)
Limit of Study
Jurisdiction Boundary
Coastal Transect Baseline
Profile Baseline
Hydrographic Feature

Exhibit F – Conservation Lands

CPAD and CCED Edition

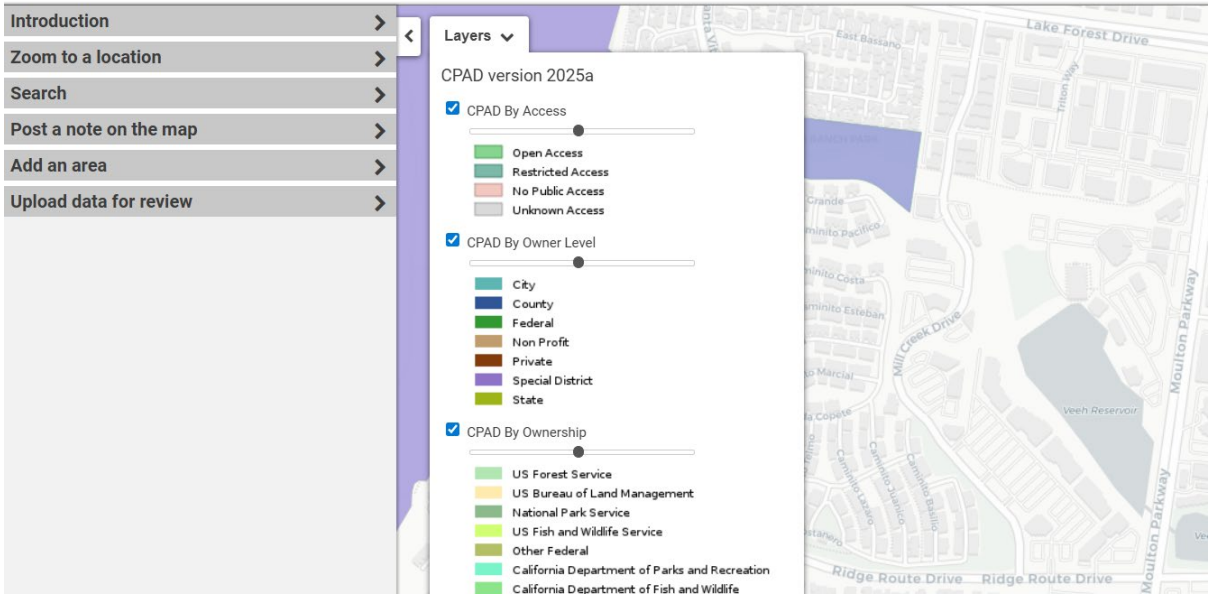
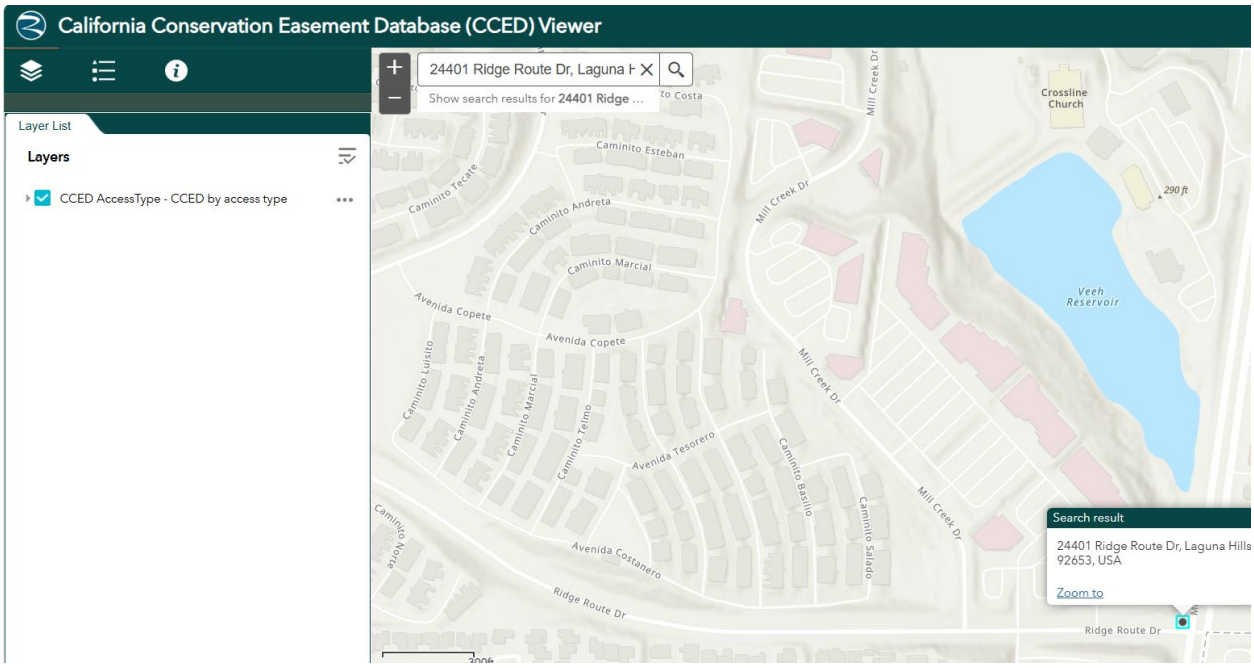


Exhibit G – Conservation Easements


California Conservation Easement Database (CCED) Viewer
Layer List
Layers
CCED AccessType - CCED by access type
24401 Ridge Route Dr, Laguna H
Show search results for 24401 Ridge ...
Caminito Esteban
Caminito Tecate
Caminito Andreta
Caminito Marcial
Avenida Copete
Caminito Luisito
Caminito Telmo
Avenida Tesorero
Caminito Basilio
Caminito Salado
Avenida Costanero
Ridge Route Dr
Mill Creek Dr
Crossline Church
290 ft
Veeh Reservoir
Search result
24401 Ridge Route Dr, Laguna Hills
92653, USA
Zoom to

October 15, 2024

John Stack
Kingsbarn Realty Capital LLC
2500 Sand Hill Road, Suite 320
Menlo Park, California 94025

VIA EMAIL
JStack@kingsbarn.com

Subject: Biological Constraints Analysis for the Mill Creek Master Plan Project, Laguna Hills, California

Dear John Stack:

This Letter Report presents the findings of a biological constraints analysis for the Mill Creek Master Plan Project (Project) located in the City of Laguna Hills, California. The purpose of the analysis was to document existing biological resources in general and determine potential biological constraints to proposed Project activities.

PROJECT LOCATION

The Project site is located at Assessor Parcel Numbers (APN) 588-161-13, 588-141-12, and 588-141-11 within the City of Laguna Hills in Orange County, California (Exhibit 1). The site is generally bounded by Mill Creek Dr. to the west, and Ridge Route Dr. to the south. The north and east sections of the Project area are bounded by commercially developed areas and Veeh Reservoir.

The Project site is located on the U.S. Geological Survey's San Juan Capistrano 7.5-minute topographic quadrangle with a small portion along the northern edge occurring within the El Toro 7.5-minute topographic quadrangle of the San Bernardino Meridian at Township 6 South, Range 8 West, Sections 20, 21, 28, and 29 (Exhibit 2). The Project site is generally flat with elevations on the site ranging from approximately 320 to 380 feet above mean sea level.

Surrounding land uses consist of a combination of residential and commercial development. No notable natural habitat areas are located in the Project vicinity; the small patches of coastal sage scrub-ornamental scrub consist of degraded vegetation and have limited ecological function(Exhibit 3).

PROJECT DESCRIPTION

Proposed Project activities include demolition of existing office/commercial development and associated parking areas and construction of a new residential community. The 19.21-acre development consists of single family detached, five-story multi-family residential, triplex, and duplex units for a total of 448 residential units at a density of 23.3 dwelling units per acre. In addition, the Project includes two parks, Terrace Park and Corner Park, as well as parking spaces.

150 South Arroyo Parkway
Suite 102
Pasadena, CA 91105

Tel 626.351.2000
www.Psomas.com

METHODS

Psomas Biologist Jack Underwood conducted a general site assessment on September 26, 2024. In this report, the "survey area" includes the Project site and immediately adjacent areas that were visually assessed to evaluate surrounding habitat conditions and potential biological constraints. Prior to the survey, Psomas conducted a literature search to identify special status plants, wildlife, and vegetation types known from the general vicinity of the survey area. This included a review of the USGS San Juan Capistrano, El Toro, Laguna Beach, and Tustin 7.5-minute quadrangles in the California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDB) (CDFW 2024) and the California Native Plant Society (CNPS) Electronic Inventory of Rare and Endangered Vascular Plants of California (CNPS 2024). The results of the literature search are provided in Attachment A.

During the general site assessment, reconnaissance-level vegetation mapping was conducted to characterize existing habitat conditions within the Project vicinity. Vegetation communities and land cover types were delineated according to dominant and subdominant species composition, overall vegetation cover, and observed site disturbance.

RESULTS

The Project site is developed and generally consists of expansive parking areas with scattered ornamental landscaping, office buildings and landscaped manufactured slopes. The Veeh Reservoir borders the Project site along the northeastern boundary. Soil types on the site include Cropley-Urban land complex, 0 to 5 percent slopes; Urban land-Tujunga-Typic Xerothents, sandy substratum complex, 0 to 2 percent slopes; Urban land-Grommet-Ballona complex, 0 to 5 percent slopes; and Urban land, frequently flooded, 0 to 5 percent slopes (Exhibit 4).

The following sections describe the existing vegetation and habitat conditions in the survey area and the potential for the area to support special status plant and wildlife species.

Vegetation

Vegetation on the Project site is largely the result of landscaping and past disturbance associated with existing development (Exhibit 3). Landscaping consists of a mixture of non-native tree species such as Pine, (*Pinus sp.*) Peruvian peppertree (*Schinus molle*) and Eucalyptus (*Eucalyptus sp.)*. While some small, degraded patches of coastal sage scrub occur within the northern section of the site, and there are some scattered native plants along the eastern edge of the site, these areas consist primarily of disturbed or ornamental vegetation with limited habitat value and do not represent intact coastal sage scrub habitat. A majority of the groundcover consists of non-native shrubs such as coastal wattle (*Acacia cyclops*). Offsite and adjacent to the eastern edge of the site is Veeh reservoir, which includes some scattered patches of bullrush-cattail marshland and open water.

Special Status Vegetation Types

Special status vegetation types are designated as such by the CDFW and are afforded a greater level of protection. No special status vegetation types appear within the Project site.

Special Status Plant and Wildlife Species

Various plant or wildlife species in Southern California are considered to have special status due to declining populations, vulnerability to habitat change, or restricted distributions. Some of these special status species have been formally listed as Threatened or Endangered under the California and/or Federal Endangered Species Acts. The potential for the Project site to support special status plant or wildlife species is discussed below, based on literature review and existing vegetation and habitat conditions described above.

Plant Species

The literature search referenced above resulted in the identification of 53 plant species that are known to occur in the regional vicinity of the Project site, though 3 naturally occur well outside the elevational limits of the Project site. A list of these species known to occur in the regional vicinity of the Project site is provided in Attachment A. The Projects site lacks suitable habitat with potential to support any of the special status plant species known to occur in the region as identified during the literature review. Therefore, special status plant species are expected to be absent from the Project site.

Wildlife Species

The literature search referenced above identified eight special status wildlife species are known to occur in the regional vicinity of the Project. The Projectsite lacks suitable habitat with potential to support any of the special status wildlife species known to occur in the region as identified during the literature review. Therefore, special status wildlife species are expected to be absent from the Project site.

Within off site adjacent land, one special status species, the tricolored blackbird (*Agelaius tricolor*), a California Species of Special Concern and a threatened species under the California Endangered Species Act was identified in the literature review to have been detected within the Veeh reservoir. During the field survey, only common bird species including, but not limited to, red-winged blackbird (*Agelaius phoeniceus*), house finch (*Haemorhous mexicanus*), black phoebe (*Sayornis nigricans*), and mourning dove (*Zenaida macroura*) were observed. The site is also expected to contain other common urban wildlife species.

Other Considerations

Protected Trees

The City of Laguna Hill's tree ordinance protects trees that are owned by the City and or fall within the City rights-of-way, City parks and open space. Although there are many trees on the Project site, they are not protected by any regulations.

Bats

Southern California contains a variety of habitats able to support the numerous bat species known to occur in the region. One critical element necessary to support bat populations is the presence of suitable day-roosting sites. Different bat species utilize a wide array of sites for day-roosting, both natural and artificial. Such sites include trees, buildings, and other man-made structures. Of the 46 species of bats known from North America, over half are known to use

buildings as roosts at least for part of the year. Buildings offer bats a wide range of roost microhabitats, including spaces beneath floorboards, inside insulation, etc. Structures located on the exterior of buildings also provide suitable roosting habitat, including crevices between bricks and stones; between vents; behind windows, screens, and shutters; and spaces beneath shingles. Because roosting bats are protected in California, it is important to identify and appropriately manage occupied, day-roost structures as this is when bats are most vulnerable. The Project site includes areas with potentially suitable bat roosting habitat.

Wildlife Movement

The Project area is surrounded by residential and commercial development. The only potential pathways for wildlife movement consist of the soft bottom/concrete lined channel and bank along the reservoir that are found along the eastern and northern edge of the Project area. However, these paths do not connect to large open space areas but rather more developed areas and therefore may only support movement for local animals. In addition, these areas are off-site, and the project would be limited to indirect impacts only. Therefore, the Project is not expected to have any notable effect on regional wildlife movement.

Migratory Bird Treaty Act

Though the quantity of vegetated areas on the Project site is relatively low, the site contains vegetation with the potential to support nesting birds, including raptors. Nesting may also occur in unvegetated areas of the site. The loss of an active migratory bird nest, including nests of common species, would be considered a violation of the Migratory Bird Treaty Act (MBTA) and Sections 3503, 3503.5, and 3513 of *California Fish and Game Code*. The MBTA and *California Fish and Game Code* prohibits the taking of migratory birds, nests, and eggs.

Jurisdictional Resources

Streambeds and other drainage features are generally under the jurisdiction of the U.S. Army Corps of Engineers, Los Angeles Regional Water Quality Control Board, and the California Department of Fish and Wildlife. The site visit revealed no features with potential to be considered a jurisdictional drainage on the Project site.

Critical Habitat

The Project site is located outside of any Critical Habitat areas for Threatened or Endangered species, as designated by the U.S. Fish and Wildlife Service.

Conservation Plan Areas

The Project site is located outside of any land conservation planning units including those designated by the County of Orange (Central/Coastal) NCCP/HCP.

BIOLOGICAL CONSTRAINTS AND RECOMMENDATIONS

The following is a summary of potential biological constraints to the proposed project and list of recommendations to ensure that the project is consistent with regulations protecting biological resources.

1. To protect migratory birds in compliance with the MBTA and *California Fish and Game Code*, any vegetation removal should occur between September 16 and January 31 to avoid the potential to impact active nests. If clearing occurs between February 1 and September 15, a qualified Biologist should perform a pre-construction survey to detect any active nests that would present a constraint to Project activities. If detected, the active nesting area must be avoided.
2. To protect active raptor nests, any vegetation removal should occur between August 2 and January 14. Any vegetation removal that needs to occur during this period should have a pre-construction survey conducted by a qualified Biologist to identify any active nests that would present a constraint to Project activities. If detected, the active nesting area must be avoided.
3. Measures to avoid roosting bats should be implemented as part of the Project planning. Measures may include seasonal avoidance, surveys to identify potentially occupied spaces, installation of exclusionary devices once absence is confirmed, and monitoring to confirm avoidance.
4. Due to past records of tricolored black bird occurring on adjacent property, project planning should consider potential indirect impacts if present. Reducing indirect impacts of noise within 300 feet of a nesting habitat may be required.

Psomas appreciates the opportunity to assist on this project. If you have any comments or questions, please call Marc Blain at (626) 351-2000.

Sincerely,
PSOMAS



Marc T. Blain
Vice President, Senior Biologist

Exhibits: 1 through 4
Attachment A – Literature Review Results

S:\3KIN\3KIN020101 - Terravita\Bio_Constraints_Mill Creek_Master Plan-021826.docx

REFERENCES

California Department of Fish and Wildlife (CDFW). 2024. California Natural Diversity Database. Records of Occurrence for San Juan Capistrano, El Toro, Laguna Beach, and Tustin 7.5-minute quadrangle maps. Sacramento, CA: CDFW, Natural Heritage Division.

California Native Plant Society (CNPS). 2024. Electronic Inventory of Rare and Endangered Vascular Plants of California. Records of Occurrence San Juan Capistrano, El Toro, Laguna Beach, and Tustin 7.5-minute quadrangle maps. Sacramento, CA: CNPS. http://www.rareplants.cnps.org/.



Project Location

Exhibit 1

Mill Creek Master Plan

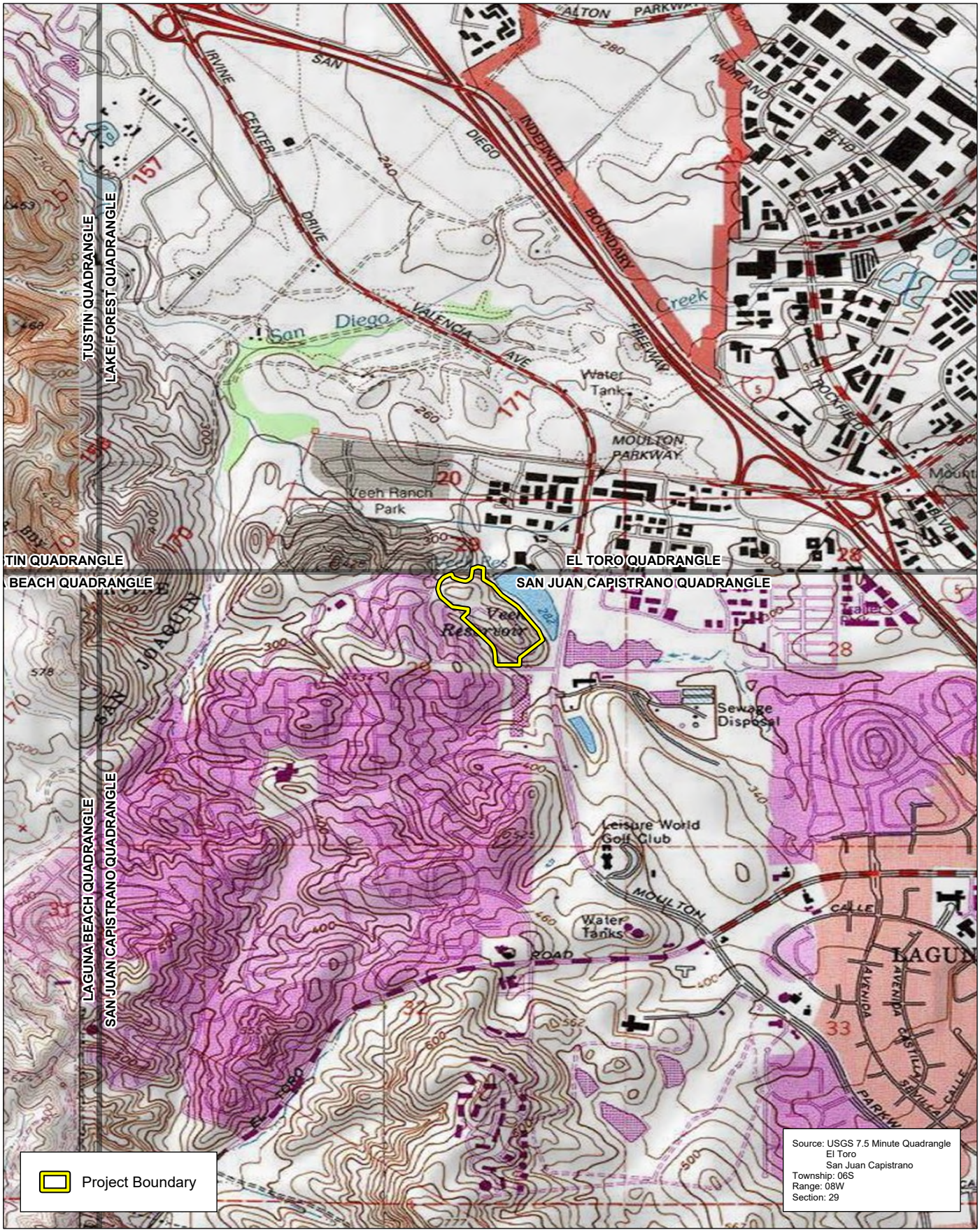
N W E S

0 1,000 2,000 Feet

PSOMAS

(Rev: 2-18-2026 JVR) R:\Projects\KIN02 - Kingsbarn\3KIN020100\Graphics\Bio Constraints\ex_RL_LV.pdf

D:\Projects\3KIN\Kingsbarn\PRO\Kingsbarn.aprx\ex_RL_LV



D:\Projects\3KINKingsbarn\PRO\Kingsbarn.aprx\ex_USGS

USGS 7.5-Minute Digital Quadrangle

Exhibit 2

Mill Creek Master Plan

N W E S

0 1,000 2,000 Feet

PSOMAS

(Rev: 2-18-2026 JVR) R:\Projects\KIN02\3KIN020100\Graphics\Bio Constraints\ex_USGS.pdf



D:\Projects\3KIN\Kingsbarn\PRO\Kingsbarn.aprx\ex_Vegetation

Vegetation Types and Other Areas

Exhibit 3

Mill Creek Master Plan

N W E S

0 100 200 Feet

PSOMAS

(Rev: 2-18-2026 JVR) R:\Projects\KIN02\3KIN020100\Graphics\Bio Constraints\ex_Vegetation.pdf



D:\Projects\3KIN\Kingsbarn\PRO\Kingsbarn.aprx\ex_Soils

Soil Map

Exhibit 4

Mill Creek Master Plan

N W E S

0 150 300 Feet

PSOMAS

(Rev: 2-18-2026 JVR) R:\Projects\KIN02\3KIN020100\Graphics\Bio Constraints\ex_Soils.pdf

ATTACHMENT A

LITERATURE REVIEW RESULTS

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Query Criteria: Quad IS (San Juan Capistrano (3311756) OR El Toro (3311766) OR Tustin (3311767) OR Laguna Beach (3311757))

Map Index Number: 17672
EO Index: 11653
Key Quad: El Toro (3311766)
Element Code: AAABB01230
Occurrence Number: 4
Occurrence Last Updated: 2000-10-30

Scientific Name: *Anaxyrus californicus*
Common Name: arroyo toad

Listing Status: **Federal:** Endangered
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
IUCN_EN-Endangered

CNDDB Element Ranks: **Global:** G2G3
State: S2

General Habitat:

SEMI-ARID REGIONS NEAR WASHES OR INTERMITTENT STREAMS, INCLUDING VALLEY-FOOTHILL AND DESERT RIPARIAN, DESERT WASH, ETC.

Micro Habitat:

RIVERS WITH SANDY BANKS, WILLOWS, COTTONWOODS, AND SYCAMORES; LOOSE, GRAVELLY AREAS OF STREAMS IN DRIER PARTS OF RANGE.

Last Date Observed: 1974-05-18
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1974-05-18
Occurrence Rank: Good
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:

LOWER SANTIAGO CANYON, ALONG SANTIAGO CANYON ROAD, 2.8 KM N OF BOLERO LOOKOUT, SANTA ANA MTNS.

Detailed Location:

Ecological:

SANDY WASH WITH ROCKS AND GRAVEL; ASSOCIATED WITH ALLUVIAL SCRUB.

Threats:

AREA USED AS GRAVEL MINING AREA IN PAST AND MAY BE USED AS SUCH AGAIN. WIDENING SANTIAGO CANYON RD MAY ALSO IMPACT AREA.

General:

4-6 INDIVIDUALS OBSERVED, INCLUDING 2 JUVENILES THAT WERE MEASURED AND RELEASED. SITE IS ADJACENT TO LIMESTONE REGIONAL PARK. CURRENTLY DESIGNATED OPEN SPACE. SEVERAL EIR'S HAVE COVERED AREA BUT SURVEYS NOT ADEQUATE TO LOCATE SPECIES.

PLSS: T05S, R07W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3732922 E439259
Latitude/Longitude: 33.73460 / -117.65570
Elevation (feet): 1,000

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

FWS95U0010 U.S. FISH & WILDLIFE SERVICE - COMPLIED LIST OF ARROYO TOAD OCCURRENCES 1995-01-05

ROB90F0005 ROBERTS, F. - FIELD SURVEY FORM FOR BUFO MICROSCAPHUS CALIFORNICUS 1990-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 17673
EO Index: 11652
Key Quad: El Toro (3311766)
Element Code: AAABF02020
Occurrence Number: 2
Occurrence Last Updated: 2019-04-16

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2017-03-22
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-03-22
Occurrence Rank: Poor
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

BEE CANYON, ABOUT 0.35 AIR MILE N OF HWY 241 AT BEE CANYON WASH, FRANK R. BOWERMAN LANDFILL, NORTHEAST IRVINE.

Detailed Location:

MAPPED TO MES17R0002 & AGU17F0020 PROVIDED COORDINATES; SITE BASIN 7. ATTRIBUTED BOW85R0002, DETECTED IN VICINITY OF MOUTH OF BEE CANYON.

Ecological:

CONCRETE LINED BASIN IN ACTIVE LANDFILL. LANDFILL WAS ESTABLISHED IN 1990. COASTAL SAGE SCRUB, CHAPARRAL, GRASSLAND, RIPARIAN, AND WOODLAND COMMUNITIES OCCUR AROUND LANDFILL.

Threats:

LANDFILL ACTIVITIES. ENCHROACHING DEVELOPMENT SINCE 1985.

General:

DETECTED SOMETIME BEFORE 1985 (REFERENCED FROM OC EMA EIR #018). 2 ADULTS OBSERVED ON 22 MAR 2017.

PLSS: T05S, R08W, Sec. 27, SW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3730127 E434336
Latitude/Longitude: 33.7091 / -117.70864
Elevation (feet): 615

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

AGU17F0020	AGUAYO, J. (PSOMAS ENGINEERING) - FIELD SURVEY FORM FOR SPEA HAMMONDII 2017-04-26
BOW85R0002	BOWLER, P. & S. BROWN - AREAS OF CRITICAL ENVIRONMENTAL CONCERN IN ORANGE COUNTY, CALIFORNIA. PUBLISHED BY SEA AND SAGE AUDUBON SOCIETY 1985-03-XX
MES17R0002	MESSETT, L. (PSOMAS ENGINEERING) - YEAR-END ANNUAL REPORT FOR WESTERN SPADEFOOT SURVEYS CONDUCTED IN 2017 [SC-007530]. 2017-01-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 20476
EO Index: 9409
Key Quad: El Toro (3311766)
Element Code: AAABF02020
Occurrence Number: 4
Occurrence Last Updated: 1992-03-26

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 1992-02-16
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1992-02-16
Occurrence Rank: Good
Owner/Manager: PVT-HON/SADDLEBACK CHURCH
Trend: Unknown
Presence: Presumed Extant

Location:

UPPER ALISO CREEK WATERSHED, JUST NORTH OF EL TORO ROAD, APPROXIMATELY 3 MI NE OF EL TORO.

Detailed Location:

TOADS UTILIZE A SERIES OF EPHEMERAL PONDS LOCATED JUST EAST OF A GRAVEL MINING OPERATION.

Ecological:

HABITAT SURROUNDING PONDS IS MAINLY SOUTHERN CACTUS SCRUB AND A MOSAIC OF COASTAL SAGE SCRUB AND NATIVE/ANNUAL GRASSLANDS.

Threats:

THREATENED BY DEVELOPMENT, MINE WASTE, AND HABITAT REMOVAL (GRUBBING/GRADING).

General:

A LARGE POND AT THE MARGIN OF THE GRAVEL MINE; TWO JUVENILES NOTED IN MAY 1991, WITH TWO ADDITIONAL JUVENILES LOCATED ON 5 JUNE 1991. POND WAS PARTLY FILLED IN JULY 1991. TWO MORE PONDS AND BOTH EGGS AND ADULTS OBSERVED ON 16 FEB 1992.

PLSS: T06S, R07W (S)
Accuracy: non-specific area
Area (acres): 46
UTM: Zone-11 N3724926 E440059
Latitude/Longitude: 33.66253 / -117.64652
Elevation (feet): 800

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

ROB91F0022 ROBERTS, F. - FIELD SURVEY FORM FOR SPEA HAMMONDII 1991-07-16

ROB92F0009 ROBERTS, F. - FIELD SURVEY FORM FOR SPEA HAMMONDII 1992-02-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 36163
EO Index: 31160
Key Quad: San Juan Capistrano (3311756)
Element Code: AAABF02020
Occurrence Number: 123
Occurrence Last Updated: 1997-07-21

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:
OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:
VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 1992-02-20
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1992-02-20
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
VICINITY OF HORNO CREEK, 3 MILES NNE OF SAN JUAN CAPISTRANO.

Detailed Location:

Ecological:

Threats:

General:
ON 20 FEB 1992, ONE FEMALE WAS CAPTURED/RELEASED; SEVERAL OTHERS WERE OBSERVED THROUGHOUT THE AREA.

PLSS: T07S, R07W, Sec. 20 (S)
Accuracy: non-specific area
Area (acres): 104
UTM: Zone-11 N3712317 E440926
Latitude/Longitude: 33.54886 / -117.63634
Elevation (feet): 450

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756)

Sources:
FUL93U0001 FULLER, M.M. - SCIENTIFIC COLLECTING PERMIT REPORT [SC-000215] 1993-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52175
EO Index: 52175
Key Quad: Laguna Beach (3311757)
Element Code: AAABF02020
Occurrence Number: 261
Occurrence Last Updated: 2019-03-11

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G2G3
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2006-04-27
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2006-04-27
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

RIDGE AT THE HEAD OF MORO CANYON, SAN JOAQUIN HILLS, 3.3 MILES NORTH OF LAGUNA BEACH.

Detailed Location:

MAPPED TO COORDINATES PROVIDED. ALONG BOMMER RIDGE TRAIL JUST W OF MORO RIDGE RD.

Ecological:

HABITAT COMPRISED OF CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURING 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001. LARVAE OBSERVED AND COLLECTED IN 2003; LARVAE AND METAMORPHS IN 2004. ~100 INDIVIDIUALS OBSERVED IN APR 2006.

PLSS: T07S, R09W, Sec. 2, NE (S)
Accuracy: specific area
Area (acres): 9
UTM: Zone-11 N3717535 E427252
Latitude/Longitude: 33.59507 / -117.78405
Elevation (feet): 936

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

ANO03S0018	ANONYMOUS - USNM #559996 COLLECTED FROM LAGUNA BEACH, LAGUNA COAST WILDERNESS PARK 2003-04-02
BAC06U0001	BACKLIN, A. (U.S. GEOLOGICAL SURVEY) - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-000090] 2006-11-27
FIS04R0002	FISHER, R. ET AL. (U.S. GEOLOGICAL SURVEY) - HABITAT ASSESSMENT AND BASELINE SURVEYS FOR THE WESTERN SPADEFOOT (SPEA HAMMONDII) AND THE WESTERN POND TURTLE (EMYS MARMORATA) ON THE IRVINE RANCH LAND RESERVE. 50 PP. 2004-10-XX
HAR01R0001	HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX
SCH04S0007	SCHUSTER, S. - CAS #243548 COLLECTED FROM BOMMER RIDGE, 33 35 42 N, 117 47 1.74 W 2004-03-31
SOS04S0001	SOSA, R. - CAS #243463, 243472 COLLECTED FROM BOMMER RIDGE, 33 35 42 N, 117 47 1.62 W 2004-04-13
TOU03F0011	TOURE, T. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - FIELD SURVEY FORM FOR SPEA HAMMONDII 2003-04-22
TOU03F0012	TOURE, T. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - FIELD SURVEY FORM FOR SPEA HAMMONDII 2003-04-22
TOU03F0013	TOURE, T. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - FIELD SURVEY FORM FOR SPEA HAMMONDII 2003-04-22
TOU03S0001	TOURE, T. - CAS #243508 COLLECTED FROM LAGUNA COAST WILDERNESS PARK, BOMMER RIDGE, 33 34 40.51 N, 117 48 37.19 W 2003-04-02

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52186
EO Index: 52186
Key Quad: Laguna Beach (3311757)
Element Code: AAABF02020
Occurrence Number: 262
Occurrence Last Updated: 2020-03-11

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2019-02-09
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2019-02-09
Occurrence Rank: Good
Owner/Manager: DPR-CRYSTAL COVE SP
Trend: Unknown
Presence: Presumed Extant

Location:

NEAR ROAD ALONG RIDGE BETWEEN MORO CANYON AND EMERALD CANYON, SAN JOAQUIN HILLS; 1 MILE NORTH OF LAGUNA BEACH.

Detailed Location:

CRYSTAL COVE STATE PARK. MAPPED TO COORDINATES PROVIDED. ALONG MORO RIDGE RD JUST S OF INTERSECTION WITH EAST CUT ACROSS.

Ecological:

HABITAT COMPRISED OF CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURING 3 SURVEYS BETWEEN FEB AND AUG 2001. LARVA COLLECTED ON 27 MAR 2006. ~300 INDIVIDUALS OBSERVED IN APR 2006. 12 OBSERVED IN 2010. 3 OBSERVED ON 4 FEB 2011. ADULTS CAUGHT & RELEASED IN 6 DEC 2018 TO 9 FEB 2019.

PLSS: T07S, R09W, Sec. 15, NE (S)
Accuracy: specific area
Area (acres): 10
UTM: Zone-11 N3714741 E425759
Latitude/Longitude: 33.56977 / -117.79991
Elevation (feet): 718

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

BAC06U0001	BACKLIN, A. (U.S. GEOLOGICAL SURVEY) - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-000090] 2006-11-27
BAU19R0003	BAUMBERGER, K. ET AL. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - PERMIT REPORT: TERRESTRIAL HABITAT USE OF WESTERN SPADEFOOT (SPEA HAMMONDII) 2018-2019 2019-XX-XX
FIS11D0001	FISHER, R. & S. SCHUSTER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - TABULAR SPECIAL STATUS SPECIES DETECTIONS BY R. FISHER'S LABORATORY FROM MAR 2010 - OCT 2011 2011-10-26
HAR01R0001	HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX
SCH06S0005	SCHUSTER, S. - CAS #243469 COLLECTED FROM MORO RIDGE, 33 34 9.48 N, 117 48 0.66 W 2006-03-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52188
EO Index: 52188
Key Quad: Laguna Beach (3311757)
Element Code: AAABF02020
Occurrence Number: 263
Occurrence Last Updated: 2003-08-20

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

NEAR HEAD OF TRIBUTARY TO SHADY CANYON, 1.4 MILES WEST OF LAGUNA CANYON ROAD, SAN JOAQUIN HILLS, 5 MI N OF LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURING 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T06S, R09W, Sec. 25 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3720222 E427627
Latitude/Longitude: 33.61932 / -117.78022
Elevation (feet): 440

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2114
EO Index: 114038
Key Quad: Laguna Beach (3311757)
Element Code: AAABF02020
Occurrence Number: 696
Occurrence Last Updated: 2019-02-22

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2011-05-19
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2011-05-19
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

BIG BEND TRAIL, 0.6 TRAIL MI W FROM TRAILHEAD AT BIG BEND STAGING AREA (LAGUNA CYN RD), LAGUNA COAST WILDERNESS PARK.

Detailed Location:

MAPPED TO COORDINATES PROVIDED.

Ecological:

SURROUNDING LAND USE IS RECREATION (HIKING, BIKING, HORSE RIDING).

Threats:

General:

27 INDIVIDUALS OBSERVED BETWEEN 4 FEB AND 19 MAY 2011.

PLSS: T07S, R09W, Sec. 13, NE (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3714528 E428558
Latitude/Longitude: 33.56804 / -117.76973
Elevation (feet): 685

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

FIS11D0001 FISHER, R. & S. SCHUSTER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - TABULAR SPECIAL STATUS SPECIES DETECTIONS BY R. FISHER'S LABORATORY FROM MAR 2010 - OCT 2011 2011-10-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2375
EO Index: 114306
Key Quad: Laguna Beach (3311757)
Element Code: AAABF02020
Occurrence Number: 811
Occurrence Last Updated: 2019-02-22

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2011-05-19
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2011-05-19
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

LAGUNA BOWL TRAIL, ABOUT 0.9 MI NW OF LAGUNA CANYON RD (HWY 133), LAGUNA COAST WILDERNESS PARK, LAGUNA BEACH.

Detailed Location:

MAPPED TO COORDINATES PROVIDED.

Ecological:

SURROUNDING LAND USE IS RECREATION (HIKING, BIKING, HORSE RIDING).

Threats:

General:

43 INDIVIDUALS OBSERVED BETWEEN 7 MAY AND 19 MAY 2011.

PLSS: T07S, R09W, Sec. 13, SW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3713456 E427481
Latitude/Longitude: 33.5583 / -117.78125
Elevation (feet): 720

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

FIS11D0001 FISHER, R. & S. SCHUSTER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - TABULAR SPECIAL STATUS SPECIES DETECTIONS BY R. FISHER'S LABORATORY FROM MAR 2010 - OCT 2011 2011-10-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B2376	**EO Index:**	114307
Key Quad:	Laguna Beach (3311757)	**Element Code:**	AAABF02020
Occurrence Number:	812	**Occurrence Last Updated:**	2020-03-10

Scientific Name: *Spea hammondii* **Common Name:** western spadefoot

Listing Status: **Federal:** Proposed Threatened **Rare Plant Rank:**

State: None **Other Lists:** BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3

State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed:	2012-04-14	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2012-04-14	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALONG BOAT TRAIL, 1 TO 1.5 MILES NORTH OF TRAILHEAD AT DARTMOOR ST, LAGUNA COAST WILDERNESS PARK, LAGUNA BEACH.

Detailed Location:

MAPPED TO COORDINATES PROVIDED. SITE IS A DRAINAGE DITCH ALONG POPULAR HIKING TRAIL (NORTH MOST FEATURE).

Ecological:

SPADEFOOT BURROWING SITES AND POOL. SURROUNDING LAND USE IS RECREATION (HIKING, BIKING, HORSE RIDING). 1993 LAGUNA BEACH WILDLFIRE BURNED THE AREA.

Threats:

POTENTIAL EFFECTS FROM HEAVY RECREATIONAL USE.

General:

SPADEFOOT OBSERVED INCIDENTALLY DURING BIRD SURVEYS IN 1995. 16 INDIVIDUALS OBSERVED IN MAR 2010. 71 OBSERVED BETWEEN 6 JAN AND 4 FEB 2011. 9 CAUGHT AND RELEASED BETWEEN 21 JAN AND 14 APR 2012.

PLSS:	T07S, R09W, Sec. 14, NW (S)	**Accuracy:**	specific area	**Area (acres):**	15
UTM:	Zone-11 N3714209 E426553	**Latitude/Longitude:**	33.56503 / -117.79131	**Elevation (feet):**	618

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

BAU13U0001	BAUMBERGER, K. (CALIFORNIA STATE UNIVERSITY, FULLERTON) - UNCOVERING A FOSSORIAL SPECIES: HOME RANGE AND HABITAT PREFERENCE OF THE WESTERN SPADEFOOT, SPEA HAMMONDII, IN ORANGE COUNTY PROTECTED AREAS. MS THESIS, CSU FULLERTON, 35 PP. 2013-XX-XX
BAU15U0001	BAUMBERGER, K. (U.S. GEOLOGICAL SURVEY) - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-007437] 2015-07-13
BAU19A0002	BAUMBERGER, K. ET AL. - MOVEMENT AND HABITAT SELECTION OF THE WESTERN SPADEFOOT (SPEA HAMMONDII) IN SOUTHERN CALIFORNIA. PLOS ONE 14(10):1-16 2019-10-03
FIS11D0001	FISHER, R. & S. SCHUSTER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - TABULAR SPECIAL STATUS SPECIES DETECTIONS BY R. FISHER'S LABORATORY FROM MAR 2010 - OCT 2011 2011-10-26
GRI96R0002	GRIFFITH WILDLIFE BIOLOGY (GRIFFITH WILDLIFE BIOLOGY) - 1995 SAN JOAQUIN HILLS BURN AREA CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN STUDY 1996-03-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2377
EO Index: 114308
Key Quad: Laguna Beach (3311757)
Element Code: AAABF02020
Occurrence Number: 813
Occurrence Last Updated: 2019-02-25

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2011-02-07
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2011-02-07
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

ALONG BOAT TRAIL, 0.8 MILES NORTH OF TRAILHEAD AT DARTMOOR ST, LAGUNA COAST WILDERNESS PARK, LAGUNA BEACH.

Detailed Location:

MAPPED TO COORDINATES PROVIDED. ON THE EAST SIDE OF BOAT RD ALONG A SHORT SPUR TRAIL.

Ecological:

SURROUNDING LAND USED FOR RECREATION (HIKING, BIKING, HORSE RIDING).

Threats:

General:

1 OBSERVED ON 7 FEB 2011.

PLSS: T07S, R09W, Sec. 14, SW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3713520 E426258
Latitude/Longitude: 33.55879 / -117.79443
Elevation (feet): 676

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

FIS11D0001 FISHER, R. & S. SCHUSTER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - TABULAR SPECIAL STATUS SPECIES DETECTIONS BY R. FISHER'S LABORATORY FROM MAR 2010 - OCT 2011 2011-10-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2379
EO Index: 114310
Key Quad: Laguna Beach (3311757)
Element Code: AAABF02020
Occurrence Number: 814
Occurrence Last Updated: 2020-03-11

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2019-02-19
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2019-02-19
Occurrence Rank: Good
Owner/Manager: DPR-CRYSTAL COVE SP
Trend: Unknown
Presence: Presumed Extant

Location:

MORO RIDGE ROAD, 0.5 MILE NE OF EAST CUT ACROSS TRAIL, CRYSTAL COVE STATE PARK, NORTH OF LAGUNA BEACH.

Detailed Location:

MAPPED TO COORDINATES PROVIDED. FIS04R0002 SITE CC03. IN VICINITY OF LOWER MORO CAMPGROUND.

Ecological:

SPADEFOOT BURROWING SITES AND POOL. COASTAL SAGE SCRUB / CHAPARRAL. SURROUNDING LAND USED FOR RECREATION.

Threats:

ROAD MORTALITIES, POTENTIAL EFFECTS FROM HEAVY RECREATIONAL USE.

General:

TADPOLES DETECTED IN 2003. 150 OBSERVED ON 18 APR 2006, 7 IN 2010, 77 IN 2011. 8 CAUGHT & RELEASED IN APR 2012 AND 3 ON 24 JAN 2013. LARVAE OBSERVED ON 25 MAR AND 1 ADULT ON 1 JUN 2017. ADULTS CAUGHT & RELEASED BETWEEN DEC 2018 & FEB 2019.

PLSS: T07S, R09W, Sec. 11, SW (S)
Accuracy: specific area
Area (acres): 14
UTM: Zone-11 N3715421 E426319
Latitude/Longitude: 33.57594 / -117.79394
Elevation (feet): 889

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

BAC06U0001	BACKLIN, A. (U.S. GEOLOGICAL SURVEY) - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-000090] 2006-11-27
BAU13U0001	BAUMBERGER, K. (CALIFORNIA STATE UNIVERSITY, FULLERTON) - UNCOVERING A FOSSORIAL SPECIES: HOME RANGE AND HABITAT PREFERENCE OF THE WESTERN SPADEFOOT, SPEA HAMMONDII, IN ORANGE COUNTY PROTECTED AREAS. MS THESIS, CSU FULLERTON, 35 PP. 2013-XX-XX
BAU15U0001	BAUMBERGER, K. (U.S. GEOLOGICAL SURVEY) - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-007437] 2015-07-13
BAU19A0002	BAUMBERGER, K. ET AL. - MOVEMENT AND HABITAT SELECTION OF THE WESTERN SPADEFOOT (SPEA HAMMONDII) IN SOUTHERN CALIFORNIA. PLOS ONE 14(10):1-16 2019-10-03
BAU19R0003	BAUMBERGER, K. ET AL. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - PERMIT REPORT: TERRESTRIAL HABITAT USE OF WESTERN SPADEFOOT (SPEA HAMMONDII) 2018-2019 2019-XX-XX
DEL17F0068	DELUNA, A. - FIELD SURVEY FORM FOR SPEA HAMMONDII [SC-012609] 2017-06-01
FIS04R0002	FISHER, R. ET AL. (U.S. GEOLOGICAL SURVEY) - HABITAT ASSESSMENT AND BASELINE SURVEYS FOR THE WESTERN SPADEFOOT (SPEA HAMMONDII) AND THE WESTERN POND TURTLE (EMYS MARMORATA) ON THE IRVINE RANCH LAND RESERVE. 50 PP. 2004-10-XX
FIS11D0001	FISHER, R. & S. SCHUSTER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - TABULAR SPECIAL STATUS SPECIES DETECTIONS BY R. FISHER'S LABORATORY FROM MAR 2010 - OCT 2011 2011-10-26
INA17U0053	INATURALIST - OBSERVATION 6474643 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2019-12-20. 2017-03-25
TOU03F0005	TOURE, T. - FIELD SURVEY FORM FOR SPEA HAMMONDII 2003-04-22

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B2381	**EO Index:**	114312
Key Quad:	Laguna Beach (3311757)	**Element Code:**	AAABF02020
Occurrence Number:	815	**Occurrence Last Updated:**	2020-03-11

Scientific Name: *Spea hammondii* **Common Name:** western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed:	2019-02-19	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2019-02-19	**Occurrence Rank:**	Good
Owner/Manager:	DPR-CRYSTAL COVE SP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

NEAR THE INTERSECTION OF MORRO RIDGE SPUR TRAIL AND MORRO RIDGE ROAD, CRYSTAL COVE STATE PARK, NORTH OF LAGUNA BEACH.

Detailed Location:

MAPPED TO COORDINATES PROVIDED.

Ecological:

SURROUNDING LAND USED FOR RECREATION.

Threats:

General:

300 OBSERVED ON 18 APR 2006, 2 ON 20 DEC 2010, AND 7 ON 4 FEB 2011. 3 CAUGHT AND RELEASED IN JAN 2013. ADULTS CAUGHT AND RELEASED BETWEEN 6 DEC 2018 AND 19 FEB 2019.

PLSS:	T07S, R09W, Sec. 15, NE (S)	**Accuracy:**	specific area	**Area (acres):**	10
UTM:	Zone-11 N3714136 E425241	**Latitude/Longitude:**	33.56427 / -117.80544	**Elevation (feet):**	722

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

BAC06U0001	BACKLIN, A. (U.S. GEOLOGICAL SURVEY) - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-000090] 2006-11-27
BAU15U0001	BAUMBERGER, K. (U.S. GEOLOGICAL SURVEY) - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-007437] 2015-07-13
BAU19R0003	BAUMBERGER, K. ET AL. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - PERMIT REPORT: TERRESTRIAL HABITAT USE OF WESTERN SPADEFOOT (SPEA HAMMONDII) 2018-2019 2019-XX-XX
FIS11D0001	FISHER, R. & S. SCHUSTER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - TABULAR SPECIAL STATUS SPECIES DETECTIONS BY R. FISHER'S LABORATORY FROM MAR 2010 - OCT 2011 2011-10-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2387
EO Index: 114318
Key Quad: San Juan Capistrano (3311756)
Element Code: AAABF02020
Occurrence Number: 819
Occurrence Last Updated: 2019-02-26

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:
OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:
VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 1963-05-16
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1963-05-16
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Possibly Extirpated

Location:
EL TORO ROAD, ABOUT 3.1 ROAD MILES NE OF INTERSECTION WITH LAGUNA CANYON ROAD, LAGUNA HILLS.

Detailed Location:

Ecological:

Threats:
AREA HAS UNDERGONE SUBSTANTIAL DEVELOPMENT SINCE TIME OF COLLECTION.

General:
1 COLLECTED ON 16 MAY 1963.

PLSS: T06S, R08W, Sec. 33, NW (S)
Accuracy: 1/5 mile
Area (acres): 70
UTM: Zone-11 N3719220 E432791
Latitude/Longitude: 33.61063 / -117.72449
Elevation (feet): 375

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756)

Sources:

DIN63S0002	DINGMAN, R. & T. RICHARDS - LACM #90895 COLLECTED FROM EL TORO RD, 3.1 MI NE OF INTERSECT LAGUNA CYN RD 1963-05-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2392
Key Quad: El Toro (3311766)
Occurrence Number: 820
EO Index: 114323
Element Code: AAABF02020
Occurrence Last Updated: 2019-02-27

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
CNDDB Element Ranks: **Global:** G2G3
State: S3S4
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

General Habitat:
OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:
VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2015-02-19
Last Survey Date: 2015-02-19
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
0.6 AIR MILE NORTH OF THE INTERSECTION OF COMMERCENTRE DRIVE AND ALTON PARKWAY, ORANGE COUNTY GREAT PARK, IRVINE.

Detailed Location:
MAPPED TO COORDINATES PROVIDED, AT A POND.

Ecological:

Threats:

General:
4 INDIVIDUALS FOUND VIA DIPNETTING ON 19 FEB 2015.

PLSS: T06S, R08W, Sec. 2, SW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3726682 E435970
Latitude/Longitude: 33.67813 / -117.69076
Elevation (feet): 583

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:
WON15U0001 WONG, M. (U.S. GEOLOGICAL SURVEY) - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-000090] 2015-07-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2393
Key Quad: El Toro (3311766)
Occurrence Number: 821
EO Index: 114325
Element Code: AAABF02020
Occurrence Last Updated: 2019-02-27

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
CNDDB Element Ranks: **Global:** G2G3
State: S3S4
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

General Habitat:
OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:
VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2010-03-05
Last Survey Date: 2010-03-05
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Good
Trend: Unknown

Location:
1.0 AIR MILE EAST OF INTERSECTION OF IRVINE BLVD AND AQUILA, NEAR AGUA CHINON WASH, ORANGE COUNTY GREAT PARK, IRVINE.

Detailed Location:
MAPPED TO COORDINATES PROVIDED.

Ecological:
HABITAT IS NON-NATIVE GRASSLAND ADJACENT TO OPEN SPACE AND DEVELOPMENT. SITE DISTURBED BY FORMER MILITARY ACTIVITIES.

Threats:

General:
MORE THAN 25 LARVAE FOUND IN ROADSIDE/RUT POOL ON 5 MAR 2010.

PLSS: T06S, R08W, Sec. 3, NE (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3727277 E435280
Latitude/Longitude: 33.68345 / -117.69824
Elevation (feet): 563

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:
GAL10F0013 GALVIN, P. - FIELD SURVEY FORM FOR SPEA HAMMONDII 2010-03-05

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2399
Key Quad: El Toro (3311766)
Occurrence Number: 822
EO Index: 114331
Element Code: AAABF02020
Occurrence Last Updated: 2019-02-27

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
CNDDB Element Ranks: **Global:** G2G3
State: S3S4
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

General Habitat:
OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:
VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2005-06-17
Last Survey Date: 2005-06-17
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
NEAR AGUA CHINON WASH, ABOUT 0.5 AIR MILE SOUTH OF PORTOLA PARKWAY AND HIGHWAY 241 JUNCTION, ORANGE COUNTY GREAT PARK.

Detailed Location:
MAPPED TO COORDINATES PROVIDED FOR TRAP ARRAYS. SITE WAS HISTORICALLY PART OF EL TORO MARINE BASE.

Ecological:
NEAR PONDED WATER IN COASTAL SAGE SCRUB AND GRASSLAND. 2007 SANTIAGO FIRE BURNED THE AREA.

Threats:
FIRE.

General:
15 INDIVIDUALS CAUGHT IN PITFALL TRAPS BETWEEN 14 JAN AND 17 JUN 2005.

PLSS: T05S, R08W, Sec. 35, SW (S)
Accuracy: specific area
Area (acres): 13
UTM: Zone-11 N3727851 E435825
Latitude/Longitude: 33.68866 / -117.6924
Elevation (feet): 680

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

AIM07R0001	AIMAR, M. (SANTA ANA WATERSHED ASSOCIATION) - HERPETOLOGICAL SURVEYS OF THE SANTA ANA WATERSHED IN RIVERSIDE AND ORANGE COUNTIES, CALIFORNIA 2003-2007 2007-XX-XX
AIM09D0001	AIMAR, M. (SANTA ANA WATERSHED ASSOCIATION) - SAWA SENSITIVE HERP DETECTIONS 2003-2009 2009-05-22

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B2403	**EO Index:**	114335
Key Quad:	El Toro (3311766)	**Element Code:**	AAABF02020
Occurrence Number:	823	**Occurrence Last Updated:**	2019-03-01

Scientific Name: *Spea hammondii* **Common Name:** western spadefoot

Listing Status: **Federal:** Proposed Threatened **Rare Plant Rank:**

State: None **Other Lists:** BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3

State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed:	1998-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1998-XX-XX	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.7 AIR MILES EAST OF THE JUNCTION OF PORTOLA PARKWAY AND HIGHWAY 241, NW OF UPPER OSO RESERVOIR, LAKE FOREST.

Detailed Location:

JUST EAST OF THE VIEJO SUBSTATION, AT POOL #9.

Ecological:

VERNAL POOL IN COASTAL SAGE SCRUB AND CHAPARRAL. 100 ACRE PROPERTY SURVEYED FOR PROPOSED MITIGATION BANK. SURROUNDED BY WHITING RANCH WILDERNESS PARK TO THE NORTH AND COMMERCIAL/HOUSING DEVELOPMENT.

Threats:

General:

BREEDING WESTERN SPADEFOOT TOADS FOUND IN SPRING 1998.

PLSS:	T06S, R07W, Sec. 8, NW (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3725444 E440707	**Latitude/Longitude:**	33.66723 / -117.63957	**Elevation (feet):**	1,000

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

NEL98R0001 NELSON, S. ET AL. (PCR SERVICES CORPORATION) - WETLAND DELINEATION AND VERNAL POOL TECHNICAL REPORT, VIEJO SUBSTATION PROPERTY 1998-06-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B2405	**EO Index:**	114337
Key Quad:	El Toro (3311766)	**Element Code:**	AAABF02020
Occurrence Number:	824	**Occurrence Last Updated:**	2020-03-10

Scientific Name: *Spea hammondii* **Common Name:** western spadefoot

Listing Status: **Federal:** Proposed Threatened **Rare Plant Rank:**

State: None **Other Lists:** BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3

State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed:	2019-02-19	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2019-02-19	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALONG LIMESTONE RIDGE RD, 0.5 MILE NW OF BOLERO POINT, LIMESTONE CANYON REGIONAL PARK, NORTH OF LAKE FOREST.

Detailed Location:

MAPPED TO COORDINATES PROVIDED BY FIS04R0002, SITE LIM10.

Ecological:

SEASONAL POND AND BURROWING SITES. OPEN SPACE RESERVE COMPRISED OF RIPARIAN, OAK WOODLAND, AND GRASSLANDS ALONG WITH STEEP RIDGES SUPPORTING COASTAL SAGE SCRUB AND CHAPARRAL HABITAT. PACIFIC TREEFROG AND WESTERN TOAD ALSO PRESENT.

Threats:

General:

LARVAE FOUND IN APR AND MAY 2003. 4 INDIVIDUALS FOUND ON 12 MAR 2010. 21 FOUND ON 14 APR 2017. 35 ADULTS CAUGHT AND RELEASED BETWEEN 6 DEC AND 19 FEB 2019.

PLSS:	T05S, R07W, Sec. 30, NW (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3730780 E438944	**Latitude/Longitude:**	33.71526 / -117.65896	**Elevation (feet):**	1,474

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

BAU19R0003	BAUMBERGER, K. ET AL. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - PERMIT REPORT: TERRESTRIAL HABITAT USE OF WESTERN SPADEFOOT (SPEA HAMMONDII) 2018-2019 2019-XX-XX
FIS04R0002	FISHER, R. ET AL. (U.S. GEOLOGICAL SURVEY) - HABITAT ASSESSMENT AND BASELINE SURVEYS FOR THE WESTERN SPADEFOOT (SPEA HAMMONDII) AND THE WESTERN POND TURTLE (EMYS MARMORATA) ON THE IRVINE RANCH LAND RESERVE. 50 PP. 2004-10-XX
FIS11D0001	FISHER, R. & S. SCHUSTER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - TABULAR SPECIAL STATUS SPECIES DETECTIONS BY R. FISHER'S LABORATORY FROM MAR 2010 - OCT 2011 2011-10-26
GAL18D0003	GALLEGOS, E. ET AL. (U.S. GEOLOGICAL SURVEY) - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-000838] 2018-09-XX
TOU03F0014	TOURE, T. - FIELD SURVEY FORM FOR SPEA HAMMONDII 2003-04-22
TOU03S0002	TOURE, T. - CAS #243507 COLLECTED FROM LIMESTONE CANYON, POOL 3, 33.57463 N, 117.80795 W 2003-05-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2408
Key Quad: El Toro (3311766)
Occurrence Number: 825
EO Index: 114340
Element Code: AAABF02020
Occurrence Last Updated: 2019-03-27

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
CNDDB Element Ranks: **Global:** G2G3
State: S3S4
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

General Habitat:
OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:
VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2003-05-01
Last Survey Date: 2003-05-01
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Good
Trend: Unknown

Location:
JEFFREY ROAD, 1.4 ROAD MILES NE OF ITS INTERESECTION WITH PORTOLA PARKWAY, IRVINE RANCH OPEN SPACE, NE OF IRVINE.

Detailed Location:
MAPPED TO COORDINATES PROVIDED FOR SITE HH01.

Ecological:
THE SURROUNDING AREA CONSISTS OF OAK WOODLAND, GRASSLAND, COASTAL SAGE SCRUB AND CHAPARRAL HABITAT. SPADEFOOT LARVAE DETECTED IN AN SMALL EARTHEN DEPRESSION WITH STANDING WATER WITHIN PRICKLY PEAR CACTUS VEGETATION PATCH.

Threats:

General:
LARVAE DETECTED BETWEEN 9 MAR AND 1 MAY 2003.

PLSS: T05S, R08W, Sec. 16, SW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3732523 E432829
Latitude/Longitude: 33.73061 / -117.72508
Elevation (feet): 532

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

FIS04R0002	FISHER, R. ET AL. (U.S. GEOLOGICAL SURVEY) - HABITAT ASSESSMENT AND BASELINE SURVEYS FOR THE WESTERN SPADEFOOT (SPEA HAMMONDII) AND THE WESTERN POND TURTLE (EMYS MARMORATA) ON THE IRVINE RANCH LAND RESERVE. 50 PP. 2004-10-XX
TOU03F0006	TOURE, T. - FIELD SURVEY FORM FOR SPEA HAMMONDII 2003-05-01
TOU03F0007	TOURE, T. - FIELD SURVEY FORM FOR SPEA HAMMONDII 2003-03-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2410
Key Quad: El Toro (3311766)
Occurrence Number: 826
EO Index: 114341
Element Code: AAABF02020
Occurrence Last Updated: 2019-02-28

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
CNDDB Element Ranks: **Global:** G2G3
State: S3S4
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

General Habitat:
OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:
VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2004-02-24
Last Survey Date: 2004-02-24
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
HICKS HAUL ROAD, ABOUT 0.2 MILE SOUTH OF LOMA RIDGE TRAIL, IRVINE RANCH OPEN SPACE, NE OF IRVINE.

Detailed Location:
MAPPED TO COORDINATES PROVIDED. REPORT SITE HH02.

Ecological:
OPEN SPACE COMPRISED OF OAK WOODLAND, GRASSLAND, COASTAL SAGE SCRUB AND CHAPARRAL HABITAT.

Threats:

General:
DETECTED ON 24 FEB 2004.

PLSS: T05S, R08W, Sec. 15, NW (S)
UTM: Zone-11 N3733552 E434614
Accuracy: 80 meters
Latitude/Longitude: 33.74 / -117.70589
Area (acres): 5
Elevation (feet): 1,147

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

FIS04R0002 FISHER, R. ET AL. (U.S. GEOLOGICAL SURVEY) - HABITAT ASSESSMENT AND BASELINE SURVEYS FOR THE WESTERN SPADEFOOT (SPEA HAMMONDII) AND THE WESTERN POND TURTLE (EMYS MARMORATA) ON THE IRVINE RANCH LAND RESERVE. 50 PP. 2004-10-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2413
Key Quad: El Toro (3311766)
Occurrence Number: 827

EO Index: 114344
Element Code: AAABF02020
Occurrence Last Updated: 2019-03-07

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
CNDDB Element Ranks: **Global:** G2G3
State: S3S4

Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

General Habitat:
OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:
VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2017-04-26
Last Survey Date: 2017-04-26
Owner/Manager: ORA COUNTY
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Poor
Trend: Unknown

Location:
1.3 AIR MILES N OF BEE CANYON WASH AT HWY 241, FRANK R. BOWERMAN LANDFILL, IRVINE.

Detailed Location:
MAPPED TO COORDINATES AND MAP PROVIDED. REPORT SITES 1 & 5.

Ecological:
DEBRIS POND IN ACTIVE LANDFILL. NO SIGN OF BREEDING (PRESENCE OF EGGS, TADPOLES OR METAMORPHS) DETECTED IN 2017. COASTAL SAGE SCRUB, CHAPARRAL, GRASSLAND, RIPARIAN, AND WOODLAND COMMUNITIES OCCUR AROUND LANDFILL.

Threats:
LANDFILL OPERATIONS. LANDFILL WAS ESTABLISHED IN 1990.

General:
1 ADULT OBSERVED ON 21 MAR 2016, 2 ADULTS ON 22 MAR 2017, AND 1 ADULT FOUND ON 26 APR 2017.

PLSS: T05S, R08W, Sec. 22, W (S)
UTM: Zone-11 N3731766 E434536

Accuracy: specific area
Latitude/Longitude: 33.72388 / -117.7066

Area (acres): 10
Elevation (feet): 1,018

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

AGU17F0020	AGUAYO, J. (PSOMAS ENGINEERING) - FIELD SURVEY FORM FOR SPEA HAMMONDII 2017-04-26
LEA16F0004	LEATHERMAN, B. - FIELD SURVEY FORM FOR SPEA HAMMONDII [SC-001562]. 2016-03-21
MES17R0002	MESSETT, L. (PSOMAS ENGINEERING) - YEAR-END ANNUAL REPORT FOR WESTERN SPADEFOOT SURVEYS CONDUCTED IN 2017 [SC-007530]. 2017-01-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B2420	**EO Index:**	114349
Key Quad:	El Toro (3311766)	**Element Code:**	AAABF02020
Occurrence Number:	828	**Occurrence Last Updated:**	2020-06-09

Scientific Name: *Spea hammondii* **Common Name:** western spadefoot

Listing Status: **Federal:** Proposed Threatened **Rare Plant Rank:**

State: None **Other Lists:** BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3

State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed:	2019-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2019-XX-XX	**Occurrence Rank:**	Excellent
Owner/Manager:	IRVINE RANCH CONSERVANCY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

IRVINE MESA, JUST SOUTH OF SILVERADO CANYON AND NE OF SANTIAGO CANYON RD (S18), NE OF IRVINE.

Detailed Location:

MAPPED TO COORDINATES PROVIDED. MITIGATION SITE.

Ecological:

PONDS IN COASTAL SAGE SCRUB, CHAPARRAL, AND NON-NATIVE GRASSLAND. PRESERVED OPEN SPACE. SPADEFOOT BREEDING POOLS CREATED IN 2004-2005. IN 2016, 12 OUT OF 14 POOLS HELD WATER FOR OVER 30 DAYS AND SUCCESSFUL BREEDING OCCURED IN 7.

Threats:

General:

TADPOLES OBSERVED ON 19 MAY 2009. TADPOLES AND JUVENILES FOUND IN 2010. ~1000 INDIVIDUALS OBSERVED IN 2016 AND ~1000 OBSERVED ON 29 MAR 2017. EGG MASSES, LARVAE, AND NEWLY METAMORPHOSED INDIVIDUALS OBSERVED IN 2019.

PLSS:	T05S, R07W, Sec. 18, NW (S)	**Accuracy:**	specific area	**Area (acres):**	44
UTM:	Zone-11 N3733651 E439019	**Latitude/Longitude:**	33.74116 / -117.65835	**Elevation (feet):**	1,259

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

BAU19R0002	BAUMBERGER, K. ET AL. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - WESTERN SPADEFOOT (SPEA HAMMONDII) BREEDING HABITAT RESTORATION STUDY AT SHOESTRING CANYON, 2019 DRAFT FINAL 2019-XX-XX
BAU20A0001	BAUMBERGER, K. ET AL. (U.S. GEOLOGICAL SURVEY) - MITIGATION PONDS OFFER DROUGHT RESILIENCY FOR WESTERN SPADEFOOT (SPEA HAMMONDII) POPULATIONS. BULLETIN OF THE SOUTHERN CALIFORNIA ACADEMY OF SCIENCES 119(1):6-17. 2020-XX-XX
FIS11D0001	FISHER, R. & S. SCHUSTER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - TABULAR SPECIAL STATUS SPECIES DETECTIONS BY R. FISHER'S LABORATORY FROM MAR 2010 - OCT 2011 2011-10-26
GAL12D0001	GALVIN, P. (HARMSWORTH ASSOCIATES) - EXCEL SPREADSHEETS OF SPECIES DETECTED AT ALBERHILL AND NORTH RANCH 2012-01-25
GAL18D0003	GALLEGOS, E. ET AL. (U.S. GEOLOGICAL SURVEY) - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-000838] 2018-09-XX
USG16D0002	U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER - TABLE OF COLLECTIONS FROM SEVERAL DIFFERENT COLLECTORS [SC-000838]. 2016-XX-XX
USG17R0001	U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER - 2016 ANNUAL PERMIT REPORT FOR U.S. GEOLOGICAL SURVEY [SC-000838] 2017-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2423
Key Quad: El Toro (3311766)
Occurrence Number: 829
EO Index: 114354
Element Code: AAABF02020
Occurrence Last Updated: 2019-02-28

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
CNDDB Element Ranks: **Global:** G2G3
State: S3S4
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

General Habitat:
OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:
VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2017-02-17
Last Survey Date: 2017-02-17
Owner/Manager: UNKNOWN
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Good
Trend: Unknown

Location:
SILVERADO CANYON RD, ABOUT 0.4 ROAD MILE EAST OF ITS INTERSECTION WITH SANTIAGO CANYON RD (S18), NE OF IRVINE.

Detailed Location:
MAPPED TO COORDINATES PROVIDED.

Ecological:

Threats:
ROAD MORTALITIES.

General:
1 SUBADULT FOUND VIA ROAD CRUISING DURING LIGHT RAIN EVENT ON 17 FEB 2017.

PLSS: T05S, R08W, Sec. 12, SE (S)
UTM: Zone-11 N3734355 E438130
Accuracy: 80 meters
Latitude/Longitude: 33.74745 / -117.66799
Area (acres): 5
Elevation (feet): 1,039

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:
HER17D0001 HERP, INC. - HERPETOLOGICAL EDUCATION AND RESEARCH PROJECT (HERP) DATABASE, 2017 UPDATES 2017-12-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2425
EO Index: 114356
Key Quad: San Juan Capistrano (3311756)
Element Code: AAABF02020
Occurrence Number: 830
Occurrence Last Updated: 2019-02-28

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:
OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:
VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 1967-04-15
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1967-04-15
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
HILLS IN THE NEIGHBORHOOD OF SOUTH LAGUNA, LAGUNA BEACH, ABOUT 3 HIGHWAY MILES NORTH OF DANA POINT.

Detailed Location:

Ecological:
HOUSING DEVELOPMENT HAS OCCURRED IN THE AREA SINCE TIME OF COLLECTION, THOUGH OPEN SPACE STILL EXISTS ALONG RIDGE.

Threats:
DEVELOPMENT.

General:
1 COLLECTED ON 15 APR 1967.

PLSS: T08S, R08W, Sec. 5, E (S)
Accuracy: 3/5 mile
Area (acres): 776
UTM: Zone-11 N3707461 E431644
Latitude/Longitude: 33.5045 / -117.73595
Elevation (feet): 667

County Summary:
Orange

Quad Summary:
Dana Point (3311746), San Juan Capistrano (3311756)

Sources:
RUS67S0002 RUSSELL, P. - LACM #90914 COLLECTED 3 MI N DANA PT OFF CAL HWY ON HILLS ABOVE BEACH 1967-04-15

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B2433	**EO Index:**	114362
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	AAABF02020
Occurrence Number:	831	**Occurrence Last Updated:**	2020-06-09

Scientific Name: *Spea hammondii* **Common Name:** western spadefoot

Listing Status: **Federal:** Proposed Threatened **Rare Plant Rank:**

State: None **Other Lists:** BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3

State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed:	1967-04-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1967-04-24	**Occurrence Rank:**	None
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Possibly Extirpated		

Location:

NEAR EL TORO ROAD, NE OF INTERSTATE 5, LAKE FOREST.

Detailed Location:

MAPPED TO BETWEEN 0.5 MI SW AND NE OF CENTER OF EL TORO ALONG EL TORO RD. ATTRIBUTED 1960 SPECIMENS COLLECTED FROM "EL TORO," EXACT LOCATION UNKNOWN.

Ecological:

SEVERAL OF THE SPECIMEN LOCALITIES NOTE COLLECTION MADE NEAR OR AT PONDS. AERIAL IMAGERY FROM 1960 SHOWS EL TORO WAS PRIMARILY AGRICULTURAL LAND AND A FEW PONDS WERE LOCATED ADJACENT TO EL TORO RD. PONDS NO LONGER EXIST.

Threats:

AREA HAS BEEN SUBSTANTIALLY DEVELOPED SINCE TIME OF COLLECTION.

General:

2 ADULTS AND 1 OF UNKNOWN AGE COLLECTED IN JAN 1960. 2 COLLECTED ON 16 MAY 1963. 4 (1 WAS FOUND UNDER LOG) COLLECTED IN MAY 1966. 1 COLLECTED AT NIGHT ON 10 MAR 1967. 1 FOUND IN MUD PUDDLE AFTER RAIN AND COLLECTED ON 24 APR 1967.

PLSS:	T06S, R08W, Sec. 27, NE (S)	**Accuracy:**	non-specific area	**Area (acres):**	382
UTM:	Zone-11 N3720784 E435530	**Latitude/Longitude:**	33.62491 / -117.69507	**Elevation (feet):**	422

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), El Toro (3311766)

Sources:

DIN63S0003	DINGMAN, R. & T. RICHARDS - LACM #90897 COLLECTED 0.5 MI E EL TORO ON EL TORO RD 1963-05-16
DIN63S0004	DINGMAN, R. & T. RICHARDS - LACM #90896 COLLECTED FROM EL TORO RD, OPP EL TORO FIRE STATION 1963-05-16
ETH60S0002	ETHERIDGE, R. - MCZ #32455 & 32456 COLLECTED FROM EL TORO, ORANGE CO 1960-01-25
ETH60S0003	ETHERIDGE, R. - MSUM #SH.770 COLLECTED FROM EL TORO 1960-01-25
FOD66S0003	FODOR, P. - LACM #90903 COLLECTED 3/4 MI S EL TORO ON EL TORO RD, NEAR LARGE POND 1966-05-05
JUR66S0002	JUREK, R. - LACM #90902 COLLECTED 3/4 MI S EL TORO ON EL TORO RD, NEAR LARGE POND 1966-05-13
KAY67S0003	KAYSER, D. - LACM #90916 COLLECTED 1 MI E HWY 5, EL TORO RD 1967-04-24
ROB66S0005	ROBBINS, C. - LACM #90900 & 90901 COLLECTED FROM EL TORO RD, 0.5 MILES SW EL TORO, IN POND 1966-05-06
ROB66S0006	ROBBINS, L. - LACM #90898 & 90899 COLLECTED 0.5 MI S EL TORO ON EL TORO RD, AROUND POND 1966-05-06
SAV60S0001	SAVAGE ET AL. - LACM #25994, 25995, 25996 & 25997 COLLECTED FROM EL TORO 1960-01-28
WEL67S0007	WELBOURN, W. - LACM #90905 COLLECTED 1 MI N SANTA ANA FWY ON EL TORO RD 1967-03-10

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2436
Key Quad: El Toro (3311766)
Occurrence Number: 833

EO Index: 114367
Element Code: AAABF02020
Occurrence Last Updated: 2019-03-01

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
CNDDB Element Ranks: **Global:** G2G3
State: S3S4

Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

General Habitat:
OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:
VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 1966-05-21
Last Survey Date: 1966-05-21
Owner/Manager: UNKNOWN
Presence: Possibly Extirpated

Occurrence Type: Natural/Native occurrence
Occurrence Rank: None
Trend: Unknown

Location:
ALONG EL TORO RD, ABOUT 1.9 MILES NE OF THE HISTORIC CENTER OF EL TORO, LAKE FOREST.

Detailed Location:
ATTRIBUTED 1960 SPECIMEN COLLECTED FROM "BETWEEN EL TORO AND COOK'S CORNER," EXACT LOCATION UNKNOWN. COOK'S CORNER LOCATED AT INTERSECTION OF EL TORO RD AND LIVE OAK CANYON.

Ecological:
HOW66S0025 NOTED UNDER OCCURRENCE REMARKS "IN SWAMP AREA UNDER CONCRETE." 1960 AERIAL IMAGERY SHOWS EL TORO AND SURROUNDING AREA WAS AGRICULTURAL LAND AND OPEN SPACE. AREA HAS BEEN SUBSTANTIALLY DEVELOPED SINCE TIME OF COLLECTION.

Threats:
DEVELOPMENT.

General:
COLLECTED FROM VICINITY ON 28 JAN 1960. 1 COLLECTED ON 21 MAY 1966.

PLSS: T06S, R08W, Sec. 13, SE (S)
Accuracy: 2/5 mile
Area (acres): 280
UTM: Zone-11 N3723094 E438410
Latitude/Longitude: 33.6459 / -117.66419
Elevation (feet): 638

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

HOW66S0025 HOWEY, T. - LACM #90904 COLLECTED 1.9 MI E EL TORO TOWN 1966-05-21

SAV60S0002 SAVAGE ET AL. - LACM #25992 & 25993 COLLECTED BETWN EL TORO AND COOK'S CORNER 1960-01-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2479
EO Index: 114409
Key Quad: Laguna Beach (3311757)
Element Code: AAABF02020
Occurrence Number: 846
Occurrence Last Updated: 2019-03-06

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 1995-08-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1995-08-05
Occurrence Rank: Good
Owner/Manager: DPR-CRYSTAL COVE SP
Trend: Unknown
Presence: Presumed Extant

Location:

MORO RIDGE RD, ABOUT 0.9 MI NE OF EAST CUT ACROSS TRAIL, BETWEEN MORO CANYON & EMERALD CANYON, CRYSTAL COVE STATE PARK.

Detailed Location:

MAPPED TO MAP LOCATION PROVIDED.

Ecological:

COASTAL SAGE SCRUB. 1993 LAGUNA BEACH WILDLFIRE BURNED THE AREA. LAND USED FOR RECREATION.

Threats:

General:

SPADEFOOT OBSERVED INCIDENTALLY DURING BIRD SURVEYS BETWEEN 4 APR AND 5 AUG 1995.

PLSS: T07S, R09W, Sec. 11, N (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3715830 E426718
Latitude/Longitude: 33.57966 / -117.78966
Elevation (feet): 817

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

GRI96R0002 GRIFFITH WILDLIFE BIOLOGY (GRIFFITH WILDLIFE BIOLOGY) - 1995 SAN JOAQUIN HILLS BURN AREA CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN STUDY 1996-03-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2505
Key Quad: El Toro (3311766)
Occurrence Number: 852
EO Index: 114435
Element Code: AAABF02020
Occurrence Last Updated: 2019-03-07

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
CNDDB Element Ranks: **Global:** G2G3
State: S3S4
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

General Habitat:
OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:
VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2017-02-28
Last Survey Date: 2017-02-28
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Poor
Trend: Unknown

Location:
0.7 AIR MILE E OF HWY 241 AND 133 INTERCHANGE, FRANK R. BOWERMAN LANDFILL, NORTHEAST IRVINE.

Detailed Location:
MAPPED TO MAP AND COORDINATES PROVIDED, SITE BASIN 6.

Ecological:
CONCRETE LINED BASIN. COASTAL SAGE SCRUB, CHAPARRAL, GRASSLAND, RIPARIAN, AND WOODLAND COMMUNITIES OCCUR AROUND LANDFILL. LANDFILL ESTABLISHED IN 1990.

Threats:
LANDFILL ACTIVITIES.

General:
4 ADULTS OBSERVED ON 28 FEB 2017.

PLSS: T05S, R08W, Sec. 27, NW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3730525 E434160
Latitude/Longitude: 33.71267 / -117.71056
Elevation (feet): 634

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

AGU17F0020	AGUAYO, J. (PSOMAS ENGINEERING) - FIELD SURVEY FORM FOR SPEA HAMMONDII 2017-04-26
MES17R0002	MESSETT, L. (PSOMAS ENGINEERING) - YEAR-END ANNUAL REPORT FOR WESTERN SPADEFOOT SURVEYS CONDUCTED IN 2017 [SC-007530]. 2017-01-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B2519
EO Index: 114448
Key Quad: Laguna Beach (3311757)
Element Code: AAABF02020
Occurrence Number: 855
Occurrence Last Updated: 2019-03-22

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 2004-03-31
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2004-03-31
Occurrence Rank: Good
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:

DRAINAGE N OF LIZARD TRAIL, JUST E OF BOMMER RIDGE TRAIL INTERSECTION, LAGUNA COAST WILDERNESS PARK.

Detailed Location:

MAPPED TO COORDINATES PROVIDED.

Ecological:

SURROUNDING LAND USED FOR RECREATION.

Threats:

General:

LARVA COLLECTED ON 31 MAR 2004.

PLSS: T07S, R09W, Sec. 2, NW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3717987 E426620
Latitude/Longitude: 33.5991 / -117.7909
Elevation (feet): 801

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

SCH04S0008 SCHUSTER, S. - CAS #243365 COLLECTED FROM LAGUNA CANYON, 33 35 56.76 N, 117 47 27.24 W 2004-03-31

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B5231
EO Index: 118181
Key Quad: Laguna Beach (3311757)
Element Code: AAABF02020
Occurrence Number: 1372
Occurrence Last Updated: 2020-03-06

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 1991-07-16
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-07-16
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

ALONG DRAINAGE, JUST EAST OF EL TORO RD AT HWY 133 (LAGUNA CANYON RD), ALISO AND WOOD CANYONS WILDERNESS PARK.

Detailed Location:

MAPPED TO COORDINATES PROVIDED.

Ecological:

SITE IS SURROUNDED BY OPEN SPACE.

Threats:

General:

COLLECTED ON 16 JUL 1991.

PLSS: T07S, R08W, Sec. 7, NW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3716190 E429484
Latitude/Longitude: 33.58309 / -117.7599
Elevation (feet): 232

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

NEA19U0001 NEAL, K. - AN INTEGRATIVE POPULATION AND LANDSCAPE GENOMIC APPROACH TO CONSERVATION OF A THREATENED CALIFORNIA AMPHIBIAN AT MULTIPLE SPATIAL SCALES. PHD DISSERTATION, UCLA. 2019-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B5232
EO Index: 118182
Key Quad: Tustin (3311767)
Element Code: AAABF02020
Occurrence Number: 1373
Occurrence Last Updated: 2020-03-06

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 1995-02-11
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1995-02-11
Occurrence Rank: Fair
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

SHADY CANYON, JUST SOUTH OF SAND CANYON RESERVOIR, WILLIAM R MASON REGIONAL PARK, IRVINE.

Detailed Location:

MAPPED TO COORDINATES PROVIDED.

Ecological:

CREEK FLOWING INTO SAND CANYON RESERVOIR. BASED ON AERIAL IMAGERY FROM 1994-2018, STRAWBERRY FARMS GOLF COURSE (HOLE 11) HAS BEEN CONSTRUCTED ON THE BANKS OF THE RESERVOIR AND THE EASTERN HILLS HAVE BEEN DEVELOPED WITH RESIDENTIAL HOUSING.

Threats:

EFFECTS FROM DAM. DEVELOPMENT.

General:

COLLECTED ON 11 FEB 1995.

PLSS: T06S, R09W, Sec. 23, NW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3722837 E426126
Latitude/Longitude: 33.64281 / -117.79663
Elevation (feet): 178

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

NEA19U0001 NEAL, K. - AN INTEGRATIVE POPULATION AND LANDSCAPE GENOMIC APPROACH TO CONSERVATION OF A THREATENED CALIFORNIA AMPHIBIAN AT MULTIPLE SPATIAL SCALES. PHD DISSERTATION, UCLA. 2019-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B5233
EO Index: 118183
Key Quad: Tustin (3311767)
Element Code: AAABF02020
Occurrence Number: 1374
Occurrence Last Updated: 2020-03-06

Scientific Name: *Spea hammondii*
Common Name: western spadefoot

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G2G3
State: S3S4

General Habitat:

OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro Habitat:

VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Last Date Observed: 1995-02-11
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1995-02-11
Occurrence Rank: Fair
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

POND JUST EAST OF SAND CANYON RESERVOIR DAM, WILLIAM R MASON REGIONAL PARK, IRVINE.

Detailed Location:

MAPPED TO COORDINATES PROVIDED.

Ecological:

AERIAL IMAGERY SHOWS POND IS IMMEDIATELY BORDERED BY RESERVOIR TO WEST AND GOLF COURSE THE EAST. NATURAL HABITAT (SOUTH-QUAIL HILL OPEN SPACE PRESERVE) OCCURS TO THE NORTHEAST.

Threats:

EFFECTS FROM DAM. GOLF COURSE WAS BUILT IN 1996.

General:

COLLECTED ON 11 FEB 1995.

PLSS: T06S, R09W, Sec. 14, SW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3723346 E426363
Latitude/Longitude: 33.64742 / -117.79411
Elevation (feet): 190

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

NEA19U0001 NEAL, K. - AN INTEGRATIVE POPULATION AND LANDSCAPE GENOMIC APPROACH TO CONSERVATION OF A THREATENED CALIFORNIA AMPHIBIAN AT MULTIPLE SPATIAL SCALES. PHD DISSERTATION, UCLA. 2019-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 65933
EO Index: 66012
Key Quad: Tustin (3311767)
Element Code: ABNKC06010
Occurrence Number: 99
Occurrence Last Updated: 2006-08-21

Scientific Name: *Elanus leucurus*
Common Name: white-tailed kite

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed: 2003-05-30
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-05-30
Occurrence Rank: Good
Owner/Manager: UC-IRVINE
Trend: Unknown
Presence: Presumed Extant

Location:

ABOUT 1.4 MI SE OF NEWPORT BEACH, 0.25 MI N OF BONITA RESERVOIR.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB.

Threats:

PEOPLE, PETS, EXOTIC WEEDS.

General:

2 ADULTS AND 2 JUVENILES OBSERVED ON 30 MAY 2003. PAIR BRED NEARBY, POSSIBLY BONITA RESERVOIR.

PLSS: T06S, R09W, Sec. 20, SW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3721958 E421469
Latitude/Longitude: 33.63455 / -117.84675
Elevation (feet): 261

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

GAL03F0035 GALVIN, P. - FIELD SURVEY FORM FOR ELANUS LEUCURUS 2003-05-30

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	76217	**EO Index:**	77197
Key Quad:	Tustin (3311767)	**Element Code:**	ABNKC06010
Occurrence Number:	123	**Occurrence Last Updated:**	2022-03-11

Scientific Name: *Elanus leucurus*

Common Name: white-tailed kite

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G5

State: S3S4

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed:	2020-07-01	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-07-01	**Occurrence Rank:**	Unknown
Owner/Manager:	IRVINE RANCH WATER DIST, UCNR	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.25 MI NW OF UNIVERSITY DR AT CAMPUS DR, JUST E OF THE DUCK PONDS (SAN JOAQUIN FRESHWASTER MARSH RESERVE), IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES. TERRITORY ID OR-057, LOCATION "UCI MARSH;" ALSO KNOWN AS TIC MITIGATION WOODLAND. NEST SITE IN 2020 NOT DETAILED; MAPPED NON-SPECIFICALLY TO AREA WHERE OBSERVATIONS WERE MADE FROM.

Ecological:

NEST IN A WILLOW TREE IN 2008 AND IN A COTTONWOOD IN 2009. PRESUMED NESTING NEARBY IN 2020. WHITE-TAILED KITES REGULARLY DETECTED FORAGING NEAR THE MARSH.

Threats:

General:

SUCCESSFUL NEST IN 2006, 2007. 2 NESTLINGS IN 2008; FATE UNKNOWN. 4 CHICKS BANDED AND FLEDGED IN 2009. RECENTLY FLEDGED JUVENILE SEEN WITH 2 ADULTS ON 1 JUL 2020.

PLSS:	T06S, R09W, Sec. 17, NW (S)	**Accuracy:**	non-specific area	**Area (acres):**	33
UTM:	Zone-11 N3724365 E421248	**Latitude/Longitude:**	33.65623 / -117.84936	**Elevation (feet):**	10

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

COF20F0004	COFFEY, J. ET AL. - FIELD SURVEY FORM FOR ELANUS LEUCURUS 2020-07-01
HAR07R0001	HARMSWORTH ASSOCIATES - 2006 REPORT ON AVIAN SURVEYS AT THE UC NATURAL RESERVE SYSTEMS'S SAN JOAQUIN FRESHWATER MARSH RESERVE 2007-01-XX
HAR08R0001	HARMSWORTH ASSOCIATES - 2007 REPORT ON AVIAN SURVEYS AT THE UC NATURAL RESERVE SYSTEM'S SAN JOAQUIN FRESHWATER MARSH RESERVE 2008-01-XX
STE20F0008	STEPHENS, J. & T. BOMKAMP (GLENN LUKOS ASSOCIATES) - FIELD SURVEY FORM FOR ELANUS LEUCURUS 2020-10-14
THO09D0001	THOMAS, S. (SEA & SAGE AUDUBON SOCIETY) - TABLE OF WHITE-TAILED KITE NESTING LOCATIONS FROM 2006-2009 IN ORANGE AND SAN BERNARDINO COUNTIES 2009-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 76228
EO Index: 77207
Key Quad: San Juan Capistrano (3311756)
Element Code: ABNKC06010
Occurrence Number: 124
Occurrence Last Updated: 2009-08-12

Scientific Name: *Elanus leucurus*
Common Name: white-tailed kite

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed: 2008-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-XX-XX
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

ALONG AVERY PKWY ABOUT 160 METERS SOUTH OF OLIVA DR, NEAR ARROYO TRABUCO (TRABUCO, ARROYO), MISSION VIEJO.

Detailed Location:

MAPPED 128 M E OF STATED POINT (-117 39 58.7, 33 32 32.9) BECAUSE STATED POINT IS IN A DRIVEWAY, LOCATION STATED AS "AVERY PKWY - DE LA LUNA" & ASSUMED BETWEEN THESE ROADS. NEST TREE WAS A PINE & THIS IS WHERE PINES APPEAR IN AERIAL PHOTOS.

Ecological:

NEST IN PINE.

Threats:

General:

TERRITORY ID OR-067. NEST CONFIRMED IN 2008 WITH 3 CHICKS THAT EVENTUALLY FLEDGED. THE NEST AT THE TERRITORY IN 2009 WAS NOT FOUND, BUT FLEDGLINGS WERE OBSERVED IN THE AREA & AN OCBPC REPORT WAS FILED RE: "NESTLING SHOT BY TEENANGER."

PLSS: T07S, R08W, Sec. 24, SE (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3711627 E438267
Latitude/Longitude: 33.54248 / -117.66493
Elevation (feet): 295

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

THO09D0001 THOMAS, S. (SEA & SAGE AUDUBON SOCIETY) - TABLE OF WHITE-TAILED KITE NESTING LOCATIONS FROM 2006-2009 IN ORANGE AND SAN BERNARDINO COUNTIES 2009-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 76241
EO Index: 77218
Key Quad: Newport Beach (3311768)
Element Code: ABNKC06010
Occurrence Number: 125
Occurrence Last Updated: 2009-08-12

Scientific Name: *Elanus leucurus*
Common Name: white-tailed kite

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern
CNDDB Element Ranks: **Global:** G5
State: S3S4

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed: 2007-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2009-XX-XX
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

VICINITY OF UPPER NEWPORT BAY, ALONG VISTA DEL ORO BETWEEN VISTA ORNADA & VISTA PARADA, NEWPORT BEACH.

Detailed Location:

MAPPED TO PROVIDED, CORRECTED COORDINATES. TERRITORY ID OR-065, LOCATION "UPPER NEWPORT BAY."

Ecological:

Threats:

General:

NEST WAS CONFIRMED ACTIVE AND TO HAVE FLEDGED YOUNG IN 2007, BUT DATES AND NUMBER OF CHICKS WAS NOT STATED. IT APPEARS THAT THE NEST TERRITORY WAS RE-CHECKED IN 2008 & 2009, BUT WAS INACTIVE.

PLSS: T06S, R10W, Sec. 13, S (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3723111 E418678
Latitude/Longitude: 33.64474 / -117.87695
Elevation (feet): 100

County Summary:

Orange

Quad Summary:

Tustin (3311767), Newport Beach (3311768)

Sources:

THO09D0001 THOMAS, S. (SEA & SAGE AUDUBON SOCIETY) - TABLE OF WHITE-TAILED KITE NESTING LOCATIONS FROM 2006-2009 IN ORANGE AND SAN BERNARDINO COUNTIES 2009-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 76244
EO Index: 77224
Key Quad: Tustin (3311767)
Element Code: ABNKC06010
Occurrence Number: 127
Occurrence Last Updated: 2013-11-19

Scientific Name: *Elanus leucurus*
Common Name: white-tailed kite

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed: 2009-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2009-XX-XX
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

0.4 MI WSW OF JEFFREY RD AT I-405, BETWEEN ROSEWOOD & DOGWOOD S STREETS, UNIVERSITY PARK NEIGHBORHOOD OF IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES. TERRITORY ID OR-061, LOCATION "QUAIL HILL AREA."

Ecological:

NEST IN EUCALYPTUS IN URBAN AREA.

Threats:

NEST FAILED LIKELY DUE TO URBAN TREE TRIMMING.

General:

THE NEST WAS NOT FOUND IN 2008, BUT NOTED AS PROBABLY FLEDGED SINCE ADULTS WERE OBSERVED WITH 2 YOUNG LATE IN THE SEASON. IN 2009 THE NEST WAS LOCATED AND CONFIRMED ACTIVE, BUT LATER FAILED DUE TO TREE TRIMMING.

PLSS: T06S, R09W, Sec. 10, SE (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3724918 E425714
Latitude/Longitude: 33.66154 / -117.80123
Elevation (feet): 125

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

THO09D0001 THOMAS, S. (SEA & SAGE AUDUBON SOCIETY) - TABLE OF WHITE-TAILED KITE NESTING LOCATIONS FROM 2006-2009 IN ORANGE AND SAN BERNARDINO COUNTIES 2009-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 76246
EO Index: 77226
Key Quad: Tustin (3311767)
Element Code: ABNKC06010
Occurrence Number: 128
Occurrence Last Updated: 2009-08-13

Scientific Name: *Elanus leucurus*
Common Name: white-tailed kite

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed: 2009-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2009-XX-XX
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

0.7 MI SE OF I-405 AT CULVER DR, AT SIERRA TREE LN, NEAR UNIVERSITY COMMUNITY PARK, UNIV. PARK NEIGHBORHOOD OF IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES. TERRITORY ID OR-062, LOCATION "QUAIL HILL ALTERNATE."

Ecological:

NEST IN EUCALYPTUS IN URBAN AREA.

Threats:

General:

NEST SITE CONFIRMED AS ACTIVE (BUILT) IN 2009, BUT LATER FAILED OR NEVER LAID EGGS.

PLSS: T06S, R09W, Sec. 09, SE (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3724855 E424306
Latitude/Longitude: 33.66088 / -117.81641
Elevation (feet): 100

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

THO09D0001 THOMAS, S. (SEA & SAGE AUDUBON SOCIETY) - TABLE OF WHITE-TAILED KITE NESTING LOCATIONS FROM 2006-2009 IN ORANGE AND SAN BERNARDINO COUNTIES 2009-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 76247
EO Index: 77227
Key Quad: Tustin (3311767)
Element Code: ABNKC06010
Occurrence Number: 129
Occurrence Last Updated: 2009-08-13

Scientific Name: *Elanus leucurus*
Common Name: white-tailed kite

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed: 2009-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2009-XX-XX
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

1.25 MI SSE OF I-405 AT CULVER DR, JUST SOUTH OF SAND CYN WASH, AT ROCKY KNOLL (RD), IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES. TERRITORY ID OR-058, LOCATION "TURTLE ROCK."

Ecological:

NEST IN PINE IN DEVELOPED AREA.

Threats:

General:

THE NEST WAS OBSERVED ACTIVE IN 2009 WITH 2 CHICKS, BUT UNKNOWN IF FLEDGED.

PLSS: T06S, R09W, Sec. 16, NE (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3723877 E424218
Latitude/Longitude: 33.65205 / -117.81728
Elevation (feet): 155

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

THO09D0001 THOMAS, S. (SEA & SAGE AUDUBON SOCIETY) - TABLE OF WHITE-TAILED KITE NESTING LOCATIONS FROM 2006-2009 IN ORANGE AND SAN BERNARDINO COUNTIES 2009-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 76248
EO Index: 77228
Key Quad: Tustin (3311767)
Element Code: ABNKC06010
Occurrence Number: 130
Occurrence Last Updated: 2022-03-25

Scientific Name: *Elanus leucurus*
Common Name: white-tailed kite

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed: 2011-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2011-XX-XX
Occurrence Rank: Good
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

VICINITY OF WILLOWLEAF AT CANDLEBUSH AND NIGHT STAR AT MOONRAY, TURTLE ROCK AREA OF IRVINE RANCH, IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES AS A 2-PART POLYGON. 2009 TERRITORY ID OR-073, LOCATION "RIDGELINE DR - TURTLE ROCK." 2011 TERRITORY WTK-OR-093 "TURTLE ROCK EAST POOL" (PRIVATE SWIMMING POOL PARK).

Ecological:

2009 NEST IN PINE IN SUBURBAN AREA. 2011 NEST IN EUCALYPTUS. UNCLEAR IF SAME OR DIFFERENT TERRITORIES.

Threats:

General:

NEST ACTIVE IN 2009 WITH 2 CHICKS THAT SUCCESSFULLY FLEDGED. ACTIVE NEST IN 2011, FATE UNKNOWN.

PLSS: T06S, R09W, Sec. 22, NE (S)
Accuracy: non-specific area
Area (acres): 22
UTM: Zone-11 N3722130 E425821
Latitude/Longitude: 33.63641 / -117.79985
Elevation (feet): 271

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

BLO11D0001 BLOOM ET AL. - SPECIAL STATUS SPECIES NEST REPORTS, 2011. 2011-XX-XX

THO09D0001 THOMAS, S. (SEA & SAGE AUDUBON SOCIETY) - TABLE OF WHITE-TAILED KITE NESTING LOCATIONS FROM 2006-2009 IN ORANGE AND SAN BERNARDINO COUNTIES 2009-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 76249
EO Index: 77229
Key Quad: Tustin (3311767)
Element Code: ABNKC06010
Occurrence Number: 131
Occurrence Last Updated: 2009-08-13

Scientific Name: *Elanus leucurus*
Common Name: white-tailed kite

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed: 2009-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2009-XX-XX
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

0.75 MI SE OF HWY 133 AT I-405, AT WILD RIVERS WATER PARK, IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES. TERRITORY ID OR-059, LOCATION "WILD RIVERS - IRVINE."

Ecological:

NEST IN MYOPORIUM ALONG URBAN EDGE AND BALL FIELD.

Threats:

General:

3 CHICKS BANDED AT NEST ON 9 MAY 2009 AND EVENTUALLY FLEDGED.

PLSS: T06S, R08W, Sec. 18, SE (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3722944 E430261
Latitude/Longitude: 33.64405 / -117.75203
Elevation (feet): 210

County Summary:	Quad Summary:
Orange	El Toro (3311766), Tustin (3311767)

Sources:

THO09D0001 THOMAS, S. (SEA & SAGE AUDUBON SOCIETY) - TABLE OF WHITE-TAILED KITE NESTING LOCATIONS FROM 2006-2009 IN ORANGE AND SAN BERNARDINO COUNTIES 2009-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 76250
EO Index: 77230
Key Quad: El Toro (3311766)
Element Code: ABNKC06010
Occurrence Number: 132
Occurrence Last Updated: 2022-03-11

Scientific Name: *Elanus leucurus*
Common Name: white-tailed kite

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed: 2011-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2018-08-29
Occurrence Rank: Fair
Owner/Manager: CITY OF IRVINE, PVT
Trend: Unknown
Presence: Presumed Extant

Location:

SAN DIEGO CREEK AND TRIBUTARY SOUTH OF LAKE FOREST DR, N AND S OF LAKE FOREST DR ABOUT 1 MI E OF LAGUNA CYN RD, IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES. SEVERAL TERRITORIES AND SECOND BROODS: WTK-OR-068, WEST LAKE FOREST DR (2009 & 2011X2); WTK-OR-096, SAN DIEGO CREEK GODDARD (2011X3); WTK-OR-97, WTK-OR-98, WTK-OR-99 (SAN DIEGO CRK 1, 2, & 3).

Ecological:

NESTS CONSTRUCTED IN EUCALYPTUS, PINE, ELDERBERRY AND WILLOW.

Threats:

General:

BREEDING SITE KNOWN IN 2005. NEST FOUND IN 2009; 3 YOUNG FLEDGED AROUND 23 JUL 2009. SUCCESSFUL NEST IN 2010. 8 NESTING ATTEMPTS IN 2011 WITH FATE EITHER UNKNOWN OR FAILED. JUVENILE AND ADULT SEEN FORAGING IN AREA IN 2018.

PLSS: T06S, R08W, Sec. 20, SW (S)
Accuracy: specific area
Area (acres): 95
UTM: Zone-11 N3721504 E431032
Latitude/Longitude: 33.63111 / -117.74363
Elevation (feet): 222

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

BLO11D0001	BLOOM ET AL. - SPECIAL STATUS SPECIES NEST REPORTS, 2011. 2011-XX-XX
GAL10F0016	GALVIN, P. - FIELD SURVEY FORM FOR ELANUS LEUCURUS 2010-06-03
HAR06R0001	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2005 2006-01-XX
STR18F0020	STRAGIER, S. - FIELD SURVEY FORM FOR ELANUS LEUCURUS 2018-08-29
THO09D0001	THOMAS, S. (SEA & SAGE AUDUBON SOCIETY) - TABLE OF WHITE-TAILED KITE NESTING LOCATIONS FROM 2006-2009 IN ORANGE AND SAN BERNARDINO COUNTIES 2009-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 76251
EO Index: 77231
Key Quad: San Juan Capistrano (3311756)
Element Code: ABNKC06010
Occurrence Number: 133
Occurrence Last Updated: 2009-08-13

Scientific Name: *Elanus leucurus*
Common Name: white-tailed kite

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed: 2009-05-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2009-05-05
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

JUST EAST OF LEISURE VILLAGE 3-PAR COURSE, 0.8 MI W OF MOULTON PKWY AT EL TORO RD, AT PASEO DEL LAGO E, LAGUNA HILLS.

Detailed Location:

MAPPED TO PROVIDED COORDINATES. TERRITORY ID OR-064, LOCATION "LAGUNA WOODS."

Ecological:

NEST IN EUCALYPTUS IN RESIDENTIAL AREA.

Threats:

General:

4 CHICKS BANDED AT THE NEST ON 5 MAY 2009 AND LATER OBSERVED TO HAVE SUCCESSFULLY FLEDGED.

PLSS: T06S, R08W, Sec. 32, NW (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3719313 E431442
Latitude/Longitude: 33.61139 / -117.73903
Elevation (feet): 435

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

THO09D0001 THOMAS, S. (SEA & SAGE AUDUBON SOCIETY) - TABLE OF WHITE-TAILED KITE NESTING LOCATIONS FROM 2006-2009 IN ORANGE AND SAN BERNARDINO COUNTIES 2009-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	78449	**EO Index:**	79372
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABNKC06010
Occurrence Number:	159	**Occurrence Last Updated:**	2010-03-29

Scientific Name: *Elanus leucurus*

Common Name: white-tailed kite

Listing Status: **Federal:** None

State: None

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5

State: S3S4

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed:	2009-06-15	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2009-06-15	**Occurrence Rank:**	Good
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

VICINITY OF ARROYO TRABUCO, NORTH OF ARROYO TRABUCO GOLF CLUB, LADERA RANCH CONSERVANCY, SAN JUAN CAPISTRANO.

Detailed Location:

GENERALLY MAPPED TO PROVIDED COORDINATES.

Ecological:

APPEARS TO BE OPEN GRASSLAND HABITAT WITH FORESTED RIPARIAN TO THE WEST, HOUSING DEVELOPMENTS TO THE NORTH & EAST, AND OPEN SPACE & GOLF COURSE TO THE SOUTH (2009 AERIAL IMAGE). POWER LINES RUN THROUGH THIS AREA.

Threats:

POTENTIAL DISTURBANCE FROM HIKERS, ORVS, POWER LINE MAINTENANCE.

General:

1 ADULT OBSERVED KITING/FORAGING WITH 1 RECENTLY FLEDGED JUVENILE ON 15 JUN 2009. THERE APPEARS TO BE THE APPROPRIATE NESTING HABITAT IN THE GENERAL VICINITY.

PLSS:	T07S, R07W, Sec. 18, S (S)	**Accuracy:**	2/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3713388 E439727	**Latitude/Longitude:**	33.55845 / -117.64931	**Elevation (feet):**	450

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

POS09F0001 POSTON, R.M. (DESIGN + PLANNING AT AECOM) - FIELD SURVEY FORM FOR ELANUS LEUCURUS 2009-06-15

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B8084
EO Index: 121198
Key Quad: Tustin (3311767)
Element Code: ABNKC06010
Occurrence Number: 184
Occurrence Last Updated: 2022-03-11

Scientific Name: *Elanus leucurus*
Common Name: white-tailed kite

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed: 2021-07-06
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2021-07-06
Occurrence Rank: Good
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

JUST SW OF LOS TRANCOS DR AT E PELTASON DR, AND JUST EAST OF UCI ECOLOGICAL PRESERVE, IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES.

Ecological:

NEST IN SYCAMORE OF ABANDONED APARTMENT COMPLEX, ON BORDER OF UCI PRESERVE AND URBAN INTERFACE. TERRITORY FOR PAIR EXTENDED TO THE WEST WHERE THEY WERE FREQUENTLY SEEN HUNTING.

Threats:

POTENTIAL REDEVELOPMENT AND/OR TREE TRIMMING/REMOVAL.

General:

2 ADULTS AND AT LEAST 1 NESTLING OBSERVED ON 6 JUL 2021; BETWEEN APR AND JUL NEST BUILDING, COPULATION, FOOD EXCHANGE, INCUBATION, AND NESTLING OBSERVED.

PLSS: T06S, R09W, Sec. 20, N (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3722741 E421879
Latitude/Longitude: 33.64164 / -117.84241
Elevation (feet): 150

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

COF21F0001	COFFEY, J. ET AL. (UNIVERSITY OF CALIFORNIA) - FIELD SURVEY FORM FOR ELANUS LEUCURUS 2021-07-06
SCH21F0002	SCHERSON, S. - FIELD SURVEY FORM FOR ELANUS LEUCURUS 2021-04-27
SCH21F0004	SCHERSON, S. - FIELD SURVEY FORM FOR ELANUS LEUCURUS 2021-05-11
SCH21F0006	SCHERSON, S. - FIELD SURVEY FORM FOR ELANUS LEUCURUS 2021-05-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B8089	**EO Index:**	121203
Key Quad:	Tustin (3311767)	**Element Code:**	ABNKC06010
Occurrence Number:	185	**Occurrence Last Updated:**	2022-03-11

Scientific Name: *Elanus leucurus* **Common Name:** white-tailed kite

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G5
State: S3S4

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed:	2011-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2021-05-01	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

MASON REGIONAL PARK, ABOUT 0.5 MILES W OF CULVER DR AT HARVARD DR, IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES.

Ecological:

URBAN/NATURAL MIXED PARK. NEST WAS IN EUCALYPTUS.

Threats:

General:

SUCESSFUL NEST IN 2011. ADULT SEEN VOCALIZING AT NEARLY THE SAME LOCATION ON 1 MAY 2021, BUT NEST WAS NOT FOUND AND NO FOLLOW-UP INFORMATION WAS PROVIDED.

PLSS:	T06S, R09W, Sec. 17, NE (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3724156 E422470	**Latitude/Longitude:**	33.65444 / -117.83616	**Elevation (feet):**	44

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

BLO11D0001	BLOOM ET AL. - SPECIAL STATUS SPECIES NEST REPORTS, 2011. 2011-XX-XX
SCH21F0001	SCHERSON, S. - FIELD SURVEY FORM FOR ELANUS LEUCURUS 2021-05-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B8090
Key Quad: Tustin (3311767)
Occurrence Number: 186

EO Index: 121204
Element Code: ABNKC06010
Occurrence Last Updated: 2022-03-11

Scientific Name: *Elanus leucurus*
Common Name: white-tailed kite

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G5
State: S3S4

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed: 2006-07-12
Last Survey Date: 2006-07-12
Owner/Manager: ORA COUNTY
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Good
Trend: Unknown

Location:

JUST WEST OF RIDGELINE DR BETWEEN UNIVERSITY DR AND CONCORDIA, IRVINE.

Detailed Location:

MAPPED NON-SPECIFICALLY TO AREA OF TERRITORY.

Ecological:

COTTONWOOD-WILLOW RIPARIAN FOREST AND COASTAL SAGE SCRUB.

Threats:

General:

FLEDGLING OBSERVED ON 12 JUL 2006; ADULTS OBSERVED HUNTING IN THE AREA DURING OTHER VISITS EARLIER IN THE YEAR.

PLSS: T06S, R09W, Sec. 15, NW (S)
Accuracy: 1/10 mile
Area (acres): 18

UTM: Zone-11 N3724448 E424974
Latitude/Longitude: 33.65726 / -117.80919
Elevation (feet): 99

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

BAR06F0042 BARONI, I. - FIELD SURVEY FORM FOR ELANUS LEUCURUS 2006-07-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B8092	**EO Index:**	121206
Key Quad:	Tustin (3311767)	**Element Code:**	ABNKC06010
Occurrence Number:	187	**Occurrence Last Updated:**	2022-03-11

Scientific Name: *Elanus leucurus* **Common Name:** white-tailed kite

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G5
State: S3S4

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_LC-Least Concern

General Habitat:

ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS AND RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.

Micro Habitat:

OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Last Date Observed:	2011-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2011-XX-XX	**Occurrence Rank:**	Unknown
Owner/Manager:	CITY OF IRVINE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

RIDGE ABOUT 0.6 MILES SW OF LAGUNA CANYON RD AT LAKE FOREST DR, IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES. WTK-OR-088, SERRANO RIDGE. SOUTH SHADY CANYON OPEN SPACE PRESERVE.

Ecological:

2011 NEST IN LEMONADEBERRY.

Threats:

General:

NEST FAILED AFTER INITIATION IN 2011.

PLSS:	T06S, R09W, Sec. 24, SE (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3721677 E428541	**Latitude/Longitude:**	33.63251 / -117.77049	**Elevation (feet):**	682

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

BLO11D0001	BLOOM ET AL. - SPECIAL STATUS SPECIES NEST REPORTS, 2011. 2011-XX-XX
KAM11F0021	KAMADA, D. & K. MOORE - FIELD SURVEY FORM FOR ELANUS LEUCURUS 2011-03-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02975
EO Index: 27352
Key Quad: El Toro (3311766)
Element Code: ABNKC12040
Occurrence Number: 14
Occurrence Last Updated: 2020-09-15

Scientific Name: *Accipiter cooperii*
Common Name: Cooper's hawk

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5
State: S4

General Habitat:

WOODLAND, CHIEFLY OF OPEN, INTERRUPTED OR MARGINAL TYPE.

Micro Habitat:

NEST SITES MAINLY IN RIPARIAN GROWTHS OF DECIDUOUS TREES, AS IN CANYON BOTTOMS ON RIVER FLOOD-PLAINS; ALSO, LIVE OAKS.

Last Date Observed: 1971-06-13
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1971-06-13
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

SILVERADO.

Detailed Location:

LOCATION STATED AS "SILVERADO" AT 800 FEET ELEVATION.

Ecological:

NEST ON OAK BRANCH, 35 FEET HIGH, IN LIVE OAK.

Threats:

General:

FROM NORTH AMERICAN NEST RECORD CARD PROGRAM, CORNELL UNIVERSITY. THREE YOUNG (ABOUT 2 WEEKS OLD) BANDED AT NEST WITH ADULT NEARBY ON 13 JUN 1971 BY P. BLOOM.

PLSS: T05S, R07W, Sec. 08, SW (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3734311 E441077
Latitude/Longitude: 33.74723 / -117.63616
Elevation (feet): 800

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

BLO71F0002 BLOOM, P. & J. ARON - FIELD SURVEY FORM FOR NORTH AMERICAN NEST RECORD CARD PROGRAM; CORNELL LAB. ORNITHOLOGY 1971-06-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 22038
EO Index: 63871
Key Quad: Laguna Beach (3311757)
Element Code: ABNKC12040
Occurrence Number: 16
Occurrence Last Updated: 2010-07-29

Scientific Name: *Accipiter cooperii*
Common Name: Cooper's hawk

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5
State: S4

General Habitat:
WOODLAND, CHIEFLY OF OPEN, INTERRUPTED OR MARGINAL TYPE.

Micro Habitat:
NEST SITES MAINLY IN RIPARIAN GROWTHS OF DECIDUOUS TREES, AS IN CANYON BOTTOMS ON RIVER FLOOD-PLAINS; ALSO, LIVE OAKS.

Last Date Observed: 1972-06-02
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1972-06-02
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
LAGUNA BEACH.

Detailed Location:
EXACT LOCATION UNKNOWN. LAGUNA BEACH IS NEAREST TOWN TO THE NEST LOCATION.

Ecological:
DOMINANT TREES INCLUDE SYCAMORE AND LIVE OAK. NEST LOCATED IN A COAST LIVE OAK.

Threats:

General:
2 DOWNEY YOUNG BANDED. SOURCE IS THE NORTH AMERICAN NEST-RECORD CARD PROGRAM.

PLSS: T07S, R09W, Sec. 24 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3712920 E427656
Latitude/Longitude: 33.55348 / -117.77931
Elevation (feet): 500

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

BAY72F0002 BAYLESS, G.M. - FIELD SURVEY FORM FOR NORTH AMERICAN NEST RECORD CARD PROGRAM; CORNELL LAB. ORNITHOLOGY 1972-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 54509
EO Index: 54509
Key Quad: El Toro (3311766)
Element Code: ABNKC12040
Occurrence Number: 90
Occurrence Last Updated: 2004-02-27

Scientific Name: *Accipiter cooperii*
Common Name: Cooper's hawk

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5
State: S4

General Habitat:
WOODLAND, CHIEFLY OF OPEN, INTERRUPTED OR MARGINAL TYPE.

Micro Habitat:
NEST SITES MAINLY IN RIPARIAN GROWTHS OF DECIDUOUS TREES, AS IN CANYON BOTTOMS ON RIVER FLOOD-PLAINS; ALSO, LIVE OAKS.

Last Date Observed: 2003-05-21
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-05-21
Occurrence Rank: Excellent
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
SAN DIEGO CREEK, MIDWAY BETWEEN I-5 AND LAGUNA CANYON ROAD, SOUTH OF EL TORO MARINE CORPS AIR STATION.

Detailed Location:

Ecological:
HABITAT CONSISTS OF WILLOW RIPARIAN SCRUB. SURROUNDING LAND IS OPEN SPACE.

Threats:

General:
1 ADULT OBSERVED. AREA IS UTILIZED FOR BREEDING.

PLSS: T06S, R08W, Sec. 20, SW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3721795 E430978
Latitude/Longitude: 33.63374 / -117.74422
Elevation (feet): 220

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

GAL03F0020 GALVIN, P. - FIELD SURVEY FORM FOR ACCIPITER COOPERII 2003-05-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 64825
EO Index: 64904
Key Quad: San Juan Capistrano (3311756)
Element Code: ABNKC12040
Occurrence Number: 101
Occurrence Last Updated: 2006-06-06

Scientific Name: *Accipiter cooperii*
Common Name: Cooper's hawk

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5
State: S4

General Habitat:

WOODLAND, CHIEFLY OF OPEN, INTERRUPTED OR MARGINAL TYPE.

Micro Habitat:

NEST SITES MAINLY IN RIPARIAN GROWTHS OF DECIDUOUS TREES, AS IN CANYON BOTTOMS ON RIVER FLOOD-PLAINS; ALSO, LIVE OAKS.

Last Date Observed: 2005-06-02
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-06-02
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

ARROYO TRABUCO CANYON, 0.15 MILE SOUTH OF THE CROWN VALLEY PARKWAY BRIDGE, SOUTH OF MISSION VIEJO.

Detailed Location:

NEST SITE IS LOCATED IN THE LADERA RANCH AREA.

Ecological:

NEST TREE WAS A 40' TALL ALDER (ALNUS RHOMBIFOLIA), WITHIN A BROAD, OPEN SANDY/GRAVELLY FLOODPLAIN, DOMINATED BY SALIX GOODINGII AND ALNUS RHOMBIFOLIA. ADJACENT HILLSIDES DOMINATED BY NON-NATIVE GRASSLAND AND COASTAL SAGE SCRUB.

Threats:

THREATENED BY ORV USE WITHIN THE RIPARIAN CORRIDOR.

General:

2 ADULTS OBSERVED NESTING ON 2 JUN 2005.

PLSS: T07S, R07W, Sec. 18, SW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3713640 E439497
Latitude/Longitude: 33.56071 / -117.65181
Elevation (feet): 311

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

LEA05F0007 LEATHERMAN, B. - FIELD SURVEY FORM FOR ACCIPITER COOPERII (NEST SITE) 2005-06-02

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	A3705	**EO Index:**	105350
Key Quad:	Tustin (3311767)	**Element Code:**	ABNKC12040
Occurrence Number:	132	**Occurrence Last Updated:**	2017-02-10

Scientific Name: *Accipiter cooperii* **Common Name:** Cooper's hawk

Listing Status: **Federal:** None
State: None

Rare Plant Rank:

Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5
State: S4

General Habitat:

WOODLAND, CHIEFLY OF OPEN, INTERRUPTED OR MARGINAL TYPE.

Micro Habitat:

NEST SITES MAINLY IN RIPARIAN GROWTHS OF DECIDUOUS TREES, AS IN CANYON BOTTOMS ON RIVER FLOOD-PLAINS; ALSO, LIVE OAKS.

Last Date Observed:	2016-06-19	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2016-06-19	**Occurrence Rank:**	Unknown
Owner/Manager:	CITY OF IRVINE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALONG SAN DIEGO CREEK, ABOUT 0.1 MILES SW OF LAGUNA CANYON RD AT BARRANCA PKWY, IRVINE.

Detailed Location:

MAPPED TO PROVIDED SHAPEFILE.

Ecological:

WITHIN SAN DIEGO CREEK & BIKE PATH PARKWAY.

Threats:

General:

NEST WITH TWO CHICKS OBSERVED ON 19 JUN 2016.

PLSS:	T06S, R09W, Sec. 12, SE (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3724854 E428746	**Latitude/Longitude:**	33.66118 / -117.76854	**Elevation (feet):**	142

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

AMA16D0001 AMALONG, M. (ENVIRONMENTAL INTELLIGENCE) - TWO SHAPEFILES (NESTS, DETECTIONS) FOR SURVEY RESULTS FOR THE SAFARI SUBSTATION PROJECT, ORANGE COUNTY, 2016. 2016-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52589
EO Index: 52589
Key Quad: El Toro (3311766)
Element Code: ABNKC19120
Occurrence Number: 5
Occurrence Last Updated: 2003-09-22

Scientific Name: *Buteo regalis*
Common Name: ferruginous hawk

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G4
State: S3S4

General Habitat:

OPEN GRASSLANDS, SAGEBRUSH FLATS, DESERT SCRUB, LOW FOOTHILLS AND FRINGES OF PINYON AND JUNIPER HABITATS.

Micro Habitat:

EATS MOSTLY LAGOMORPHS, GROUND SQUIRRELS, AND MICE. POPULATION TRENDS MAY FOLLOW LAGOMORPH POPULATION CYCLES.

Last Date Observed: 2001-03-22
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-03-22
Occurrence Rank: Unknown
Owner/Manager: DOD-EL TORO MCAS
Trend: Unknown
Presence: Presumed Extant

Location:

WESTERN PORTION OF EL TORO MARINE CORPS AIR STATION, ABOUT 2.7 MILES NE OF THE JUNCTION OF I-5 AND I-405.

Detailed Location:

COMMUNICATION STATION LANDFILL (INSTALLATION RESTORATION PROGRAM, SITE 17).

Ecological:

HABITAT ON PROJECT SITE CONSISTS OF CSS ON UPLANDS & MULE FAT SCRUB (DOMINATED BY MULE FAT, TREE TOBACCO) IN THE DRAINAGE SYSTEM. RUDERAL VEGETATION (INC BLACK MUSTARD, RIPGUT GRASS, BROME SP., OTHERS) ON FLATTER, LOWER AREAS OF SITE.

Threats:

General:

SPECIES OBSERVED AT ONE LOCATION SOMETIME DURING CALIFORNIA GNATCATCHER SURVEYS BETWEEN 12 DEC 2000 AND 22 MAR 2001.

PLSS: T06S, R08W, Sec. 03 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3726238 E434827
Latitude/Longitude: 33.67405 / -117.70304
Elevation (feet): 500

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

LIN01U0001 LINCER & ASSOCIATES - PROTOCOL COASTAL CALIFORNIA GNATCATCHER SURVEYS ON SITES 2 AND 17, MCAS EL TORO, ORANGE COUNTY, CALIFORNIA. 2001-06-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52590
EO Index: 52590
Key Quad: El Toro (3311766)
Element Code: ABNKC19120
Occurrence Number: 6
Occurrence Last Updated: 2003-09-22

Scientific Name: *Buteo regalis*
Common Name: ferruginous hawk

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G4
State: S3S4

General Habitat:

OPEN GRASSLANDS, SAGEBRUSH FLATS, DESERT SCRUB, LOW FOOTHILLS AND FRINGES OF PINYON AND JUNIPER HABITATS.

Micro Habitat:

EATS MOSTLY LAGOMORPHS, GROUND SQUIRRELS, AND MICE. POPULATION TRENDS MAY FOLLOW LAGOMORPH POPULATION CYCLES.

Last Date Observed: 2001-03-22
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-03-22
Occurrence Rank: Unknown
Owner/Manager: DOD-EL TORO MCAS
Trend: Unknown
Presence: Presumed Extant

Location:

WESTERN PORTION OF EL TORO MARINE CORPS AIR STATION, ABOUT 3 MILES NE OF THE JUNCTION OF I-5 AND I-405.

Detailed Location:

MAGAZINE ROAD LANDFILL (INSTALLATION RESTORATION PROGRAM, SITE 2).

Ecological:

HABITAT ON PROJECT SITE CONSISTS OF CSS AND MULE FAT COMMUNITIES AND RUDERAL VEGETATION.

Threats:

General:

SPECIES OBSERVED AT THIS LOCATION SOMETIME DURING CALIFORNIA GNATCATCHER SURVEYS BETWEEN 12 DEC 2000 AND 22 MAR 2001.

PLSS: T06S, R08W, Sec. 03 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3726074 E435483
Latitude/Longitude: 33.67261 / -117.69595
Elevation (feet): 520

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

LIN01U0001 LINCER & ASSOCIATES - PROTOCOL COASTAL CALIFORNIA GNATCATCHER SURVEYS ON SITES 2 AND 17, MCAS EL TORO, ORANGE COUNTY, CALIFORNIA. 2001-06-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A7023
EO Index: 106969
Key Quad: Newport Beach (3311768)
Element Code: ABNME01010
Occurrence Number: 16
Occurrence Last Updated: 2017-10-27

Scientific Name: *Coturnicops noveboracensis*
Common Name: yellow rail

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G4
State: S2

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SUMMER RESIDENT IN EASTERN SIERRA NEVADA IN MONO COUNTY.

Micro Habitat:
FRESHWATER MARSHLANDS.

Last Date Observed: 1896-12-12
Last Survey Date: 1896-12-12
Owner/Manager: UNKNOWN, DFG-UPPER NEWPORT BAY
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
VICINITY OF NEWPORT BAY.

Detailed Location:
MAPPED AS A NON-SPECIFIC 3K RADIUS CIRCLE ENCOMPASSING THE GENERAL AREA OF NEWPORT BAY AS DEPICTED ON THE 1899 EDITION OF THE 1896 TOPOGRAPHIC MAP.

Ecological:
SOME PORTIONS OF UPPER NEWPORT BAY PROTECTED AS UPPER NEWPORT BAY ECOLOGICAL RESERVE.

Threats:
THE AREA HAS BEEN LARGELY DEVELOPED AND THE BAY HEAVILY USED AS A SMALL BOAT HARBOR SINCE THE TIME OF COLLECTION.

General:
1 COLLECTED ON 12 DEC 1896.

PLSS: T06S, R10W, Sec. 27 (S)
Accuracy: non-specific area
Area (acres): 6,987
UTM: Zone-11 N3719923 E416063
Latitude/Longitude: 33.61578 / -117.90486
Elevation (feet): 0

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757), Tustin (3311767), Newport Beach (3311768)

Sources:
OSB11A0001 OSBURN, P. - THE YELLOW RAIL IN SOUTHERN CALIFORNIA. CONDOR 13(3):108 1911-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02534
EO Index: 25925
Key Quad: Newport Beach (3311768)
Element Code: ABNME03041
Occurrence Number: 66
Occurrence Last Updated: 2009-09-28

Scientific Name: *Laterallus jamaicensis coturniculus*
Common Name: California black rail

Listing Status: **Federal:** None
State: Threatened
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_EN-Endangered

CNDDB Element Ranks: **Global:** G3T1
State: S2

General Habitat:

INHABITS FRESHWATER MARSHES, WET MEADOWS AND SHALLOW MARGINS OF SALTWATER MARSHES BORDERING LARGER BAYS.

Micro Habitat:

NEEDS WATER DEPTHS OF ABOUT 1 INCH THAT DO NOT FLUCTUATE DURING THE YEAR AND DENSE VEGETATION FOR NESTING HABITAT.

Last Date Observed: 1983-01-02
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1983-01-02
Occurrence Rank: Unknown
Owner/Manager: DFG-UPPER NEWPORT BAY ER
Trend: Unknown
Presence: Presumed Extant

Location:

UPPER NEWPORT BAY.

Detailed Location:

ALL LOCATIONS DESCRIBED AS "UPPER NEWPORT BAY." EXACT LOCATION UNKNOWN.

Ecological:

Threats:

General:

RAIL RECORDS FROM 20 SEP 1970, 20 FEB 1971, 6 SEP 1971 & 11 DEC 1971. 1 PROBABLE BLACK RAIL CAUGHT & EATEN BY A NORTHERN HARRIER ON 2 JAN 1983.

PLSS: T06S, R10W, Sec. 23, E (S)
Accuracy: non-specific area
Area (acres): 562
UTM: Zone-11 N3722246 E417545
Latitude/Longitude: 33.63685 / -117.88909
Elevation (feet): 0

County Summary:

Orange

Quad Summary:

Tustin (3311767), Newport Beach (3311768)

Sources:

EVE86A0001 EVENS, J. & G.W. PAGE (PRBO CONSERVATION SCIENCE) - PREDATION ON BLACK RAILS DURING HIGH TIDES IN SALT MARSHES. THE CONDOR 88(1):107-109 1986-02-XX

WIL74R0001 WILBUR, S.R. - THE LITERATURE OF THE CALIFORNIA BLACK RAIL. U.S. FISH AND WILDLIFE SERVICE, SPECIAL SCIENTIFIC REPORT - WILDLIFE NO. 179. 1974-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A3934
Key Quad: Orange (3311777)
Occurrence Number: 67
EO Index: 105595
Element Code: ABNME03041
Occurrence Last Updated: 2017-03-13

Scientific Name: *Laterallus jamaicensis coturniculus*
Common Name: California black rail

Listing Status: **Federal:** None
State: Threatened
CNDDB Element Ranks: **Global:** G3T1
State: S2
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_FP-Fully Protected
IUCN_EN-Endangered

General Habitat:

INHABITS FRESHWATER MARSHES, WET MEADOWS AND SHALLOW MARGINS OF SALTWATER MARSHES BORDERING LARGER BAYS.

Micro Habitat:

NEEDS WATER DEPTHS OF ABOUT 1 INCH THAT DO NOT FLUCTUATE DURING THE YEAR AND DENSE VEGETATION FOR NESTING HABITAT.

Last Date Observed: 1986-12-12
Last Survey Date: 1986-12-12
Owner/Manager: UNKNOWN
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

ORANGE.

Detailed Location:

LOCATION DESCRIBED ONLY AS "NEAR ORAGE." EXACT LOCATION UNKNOWN. MAPPED GENERALLY TO AREA NEAR TOWN OF ORANGE BASED ON HISTORIC USGS TOPO MAP (SANTA ANA 1896, 1:62500).

Ecological:

BIRD POSSIBLY OCCUPIED THE SANTA ANA RIVER AND SANTIAGO CREEK. THIS OCCURRENCE IS LIKELY NOT REPRESENTATIVE OF A BREEDING POPULATION.

Threats:

General:

1 RAIL COLLECTED ON 12 DEC 1896 BY E. DAVIS; THIS RAIL MAY HAVE BEEN A MIGRATING INDIVIDUAL.

PLSS: T04S, R09W, Sec. 30 (S)
Accuracy: 5 miles
Area (acres): 49,683
UTM: Zone-11 N3739239 E420218
Latitude/Longitude: 33.7903 / -117.8618
Elevation (feet): 170

County Summary:

Orange

Quad Summary:

Tustin (3311767), Newport Beach (3311768), Orange (3311777), Anaheim (3311778)

Sources:

GRI98A0001 GRINNELL, J. - BIRDS OF THE PACIFIC SLOPE OF LOS ANGELES COUNTY. PASADENA ACADEMY OF SCIENCE. PUBLICATION NO. II 1898-XX-XX

WIL74R0001 WILBUR, S.R. - THE LITERATURE OF THE CALIFORNIA BLACK RAIL. U.S. FISH AND WILDLIFE SERVICE, SPECIAL SCIENTIFIC REPORT - WILDLIFE NO. 179. 1974-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02534
EO Index: 13609
Key Quad: Newport Beach (3311768)
Element Code: ABNME05014
Occurrence Number: 8
Occurrence Last Updated: 2008-06-04

Scientific Name: *Rallus obsoletus levipes*
Common Name: light-footed Ridgway's rail

Listing Status: **Federal:** Endangered
State: Endangered
Rare Plant Rank:
Other Lists: CDFW_FP-Fully Protected

CNDDB Element Ranks: **Global:** G3T1T2
State: S1

General Habitat:

FOUND IN SALT MARSHES TRAVERSED BY TIDAL SLOUGHS, WHERE CORDGRASS AND PICKLEWEED ARE THE DOMINANT VEGETATION.

Micro Habitat:

REQUIRES DENSE GROWTH OF EITHER PICKLEWEED OR CORDGRASS FOR NESTING OR ESCAPE COVER; FEEDS ON MOLLUSCS AND CRUSTACEANS.

Last Date Observed: 2007-06-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2007-06-05
Occurrence Rank: Unknown
Owner/Manager: DFG-UPPER NEWPORT BAY ER
Trend: Increasing
Presence: Presumed Extant

Location:

UPPER NEWPORT BAY.

Detailed Location:

THIS SUBPOPULATION HAS BEEN 37%-71% OF TOTAL POPULATION SINCE 1980. IT WAS 48.5% OF THE TOTAL IN 1997. 2007: THIS IS THE ONLY LARGE VIABLE SUBPOPULATION WITH DEMONSTRATED ABILITY TO REBOUND QUICKLY FOLLOWING WEATHER-INDUCED CATASTROPHES.

Ecological:

1985: 275 ACRES OF MARSH. 1997 & 2007: 260 ACRES OF FULLY TIDAL MARSH. ABOUT 247 ACRES OF SHRUBLANDS REMAINING UNDEVELOPED ON THE EDGE OF THE WETLANDS AND TWO LOCAL DRAINAGES WITH SOME COVER ALONG THEM COURSING INTO THE BAY.

Threats:

General:

1980:98 PR. 81:66. 82:103. 83:112. 84:112. 85:87. 86:99. 87:119. 88:116. 89:116. 90:131. 91:128. 92:136. 93:142. 94:129. 95:117. 96:158. 97:149. 98:105. 99:104. 00:150. 01:124. 02:129. 03:144. 04:165. 05:174. 06:158. 07:165.

PLSS: T06S, R10W, Sec. 23, E (S)
Accuracy: non-specific area
Area (acres): 562
UTM: Zone-11 N3722246 E417545
Latitude/Longitude: 33.63685 / -117.88909
Elevation (feet): 0

County Summary:

Orange

Quad Summary:

Tustin (3311767), Newport Beach (3311768)

Sources:

DFG90U0005	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 5 - DFG R-5 MONTHLY REPORT EXCERPT REGARDING: LIGHT-FOOTED CLAPPER RAIL AT UPPER NEWPORT BAY ECOLOGICAL RESERVE. 1990-04-XX
FWS85U0004	U.S. FISH & WILDLIFE SERVICE - REGIONAL BRIEFS ABOUT LIGHT-FOOTED CLAPPER RAIL SURVEY. ENDANGERED SPECIES TECHNICAL BULLETIN VOL X, NO. 9. 1985-XX-XX
WIL79A0001	WILBUR, S.R. ET AL. - THE LIGHT-FOOTED CLAPPER RAIL: AN UPDATE IN AMERICAN BIRDS 33:251. 1979-XX-XX
ZEM98R0001	ZEMBAL, R., S. HOFFMAN & J. BRADLEY - LIGHT-FOOTED CLAPPER RAIL MANAGEMENT AND POPULATION ASSESSMENT, 1997 BIRD AND MAMMAL CONSERVATION PROGRAM REPORT, 98-01. 1998-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	15987	**EO Index:**	13039
Key Quad:	Tustin (3311767)	**Element Code:**	ABNME05014
Occurrence Number:	22	**Occurrence Last Updated:**	2023-08-03

Scientific Name: *Rallus obsoletus levipes* **Common Name:** light-footed Ridgway's rail

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:** CDFW_FP-Fully Protected

CNDDB Element Ranks: **Global:** G3T1T2

State: S1

General Habitat:

FOUND IN SALT MARSHES TRAVERSED BY TIDAL SLOUGHS, WHERE CORDGRASS AND PICKLEWEED ARE THE DOMINANT VEGETATION.

Micro Habitat:

REQUIRES DENSE GROWTH OF EITHER PICKLEWEED OR CORDGRASS FOR NESTING OR ESCAPE COVER; FEEDS ON MOLLUSCS AND CRUSTACEANS.

Last Date Observed:	2022-06-07	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2022-06-07	**Occurrence Rank:**	Good
Owner/Manager:	UCNR-SAN JOAQUIN, ORA COUNTY	**Trend:**	Decreasing
Presence:	Presumed Extant		

Location:

SAN JOAQUIN RESERVE MARSH & CARLSON ROAD MARSH. NORTHEAST OF INTERSECTION OF MCARTHUR BLVD & UNIVERSITY DRIVE, IRVINE.

Detailed Location:

NON-SPECIFIC POLYGON MAPPED TO INCLUDE UCNR SAN JOAQUIN MARSH (W OF CAMPUS DR) AND CARLSON MARSH (E OF CAMPUS DR). 2020 AUDITORY AND SIGHT DETECTIONS IN MAY AT SAN JOAQUIN MARSH.

Ecological:

150 ACRES OF FRESWATER MARSH IN 1985.

Threats:

General:

YEAR (PAIRS) CARLSON: 1982 (5), 1983 (4), 1984 (2), 1985-86 (0), 1987 (0.5), 1988-89 (0), 2000 (0.5). SJQ: 1982 (5), 1983 (4), 1984 (1), 1985 (2), 1986 (1), 1987-89 (0), 1991 (0.5), 2006-10 (0.5). SJQ NESTING IN 2011, 2012, 2020, AND 2022.

PLSS:	T06S, R09W, Sec. 07 (S)	**Accuracy:**	3/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3724808 E421021	**Latitude/Longitude:**	33.66022 / -117.85184	**Elevation (feet):**	5

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

COF20F0001	COFFEY, J. & B. NERHUS - FIELD SURVEY FORM FOR RALLUS OBSOLETUS LEVIPES 2020-06-12
FWS85U0004	U.S. FISH & WILDLIFE SERVICE - REGIONAL BRIEFS ABOUT LIGHT-FOOTED CLAPPER RAIL SURVEY. ENDANGERED SPECIES TECHNICAL BULLETIN VOL X, NO. 9. 1985-XX-XX
FWS86R0004	U.S. FISH & WILDLIFE SERVICE - MANAGEMENT AND RESTORATION OF HABITAT FOR LIGHT-FOOTED CLAPPER RAILS ON CAMP PENDLETON. UNPUBLISHED REPORT. 1986-03-XX
HAR07R0001	HARMSWORTH ASSOCIATES - 2006 REPORT ON AVIAN SURVEYS AT THE UC NATURAL RESERVE SYSTEMS'S SAN JOAQUIN FRESHWATER MARSH RESERVE 2007-01-XX
HAR08R0001	HARMSWORTH ASSOCIATES - 2007 REPORT ON AVIAN SURVEYS AT THE UC NATURAL RESERVE SYSTEM'S SAN JOAQUIN FRESHWATER MARSH RESERVE 2008-01-XX
MAS85F0005	MASSEY, B. - FIELD SURVEY FORM FOR RALLUS LONGIROSTRIS LEVIPES 1985-04-XX
NER20F0001	NERHUS, B. - FIELD SURVEY FORM FOR RALLUS OBSOLETUS OBSOLETUS 2020-06-12
NER22F0003	NERHUS, B. - FIELD SURVEY FORM FOR RALLUS OBSOLETUS OBSOLETUS 2022-06-07
ZEM03R0001	ZEMBAL, R. & S. HOFFMAN (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - LIGHT-FOOTED CLAPPER RAIL MANAGEMENT, STUDY, AND TRANSLOCATION, 2003 2003-12-XX
ZEM06R0003	ZEMBAL, R. ET AL. - STATUS AND DISTRIBUTION OF THE LIGHT-FOOTED CLAPPER RAIL IN CALIFORNIA, 2006 2006-06-XX
ZEM06R0004	ZEMBAL, R. ET AL. - LIGHT-FOOTED CLAPPER RAIL MANAGEMENT, STUDY, AND TRANSLOCATION IN CALIFORNIA, 2005 2006-01-XX
ZEM07R0001	ZEMBAL, R. ET AL. - STATUS AND DISTRIBUTION OF THE LIGHT-FOOTED CLAPPER RAIL IN CALIFORNIA, 2007. 2007-07-XX
ZEM07R0002	ZEMBAL, R. ET AL. - LIGHT-FOOTED CLAPPER RAIL MANAGEMENT, STUDY, AND PROPAGATION IN CALIFORNIA, 2006 (DRAFT VERSION) 2007-01-XX
ZEM12R0001	ZEMBAL, R. & S. HOFFMAN (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - STATUS AND DISTRIBUTION OF THE LIGHT-FOOTED CLAPPER RAIL IN CALIFORNIA, 2012 SEASON 2012-08-21
ZEM88R0001	ZEMBAL, R.L. & B.W. MASSEY - LIGHT-FOOTED CLAPPER RAIL CENSUS AND STUDY. 1988-XX-XX
ZEM96R0001	ZEMBAL, R., S. HOFFMAN & J.R. BRADLEY - LIGHT-FOOTED CLAPPER RAIL MANAGEMENT AND POPULATION ASSESSMENT, 1995. 1996-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02568	**EO Index:**	25693
Key Quad:	Tustin (3311767)	**Element Code:**	ABNNM08103
Occurrence Number:	18	**Occurrence Last Updated:**	2018-08-24

Scientific Name: *Sternula antillarum browni* **Common Name:** California least tern

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:** CDFW_FP-Fully Protected

CNDDB Element Ranks: **Global:** G4T2T3Q

State: S2

General Habitat:

NESTS ALONG THE COAST FROM SAN FRANCISCO BAY SOUTH TO NORTHERN BAJA CALIFORNIA.

Micro Habitat:

COLONIAL BREEDER ON BARE OR SPARSELY VEGETATED, FLAT SUBSTRATES: SAND BEACHES, ALKALI FLATS, LAND FILLS, OR PAVED AREAS.

Last Date Observed:	2016-08-01	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2016-08-01	**Occurrence Rank:**	Unknown
Owner/Manager:	DFG-UPPER NEWPORT BAY ER	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

UPPER NEWPORT BAY ECOLOGICAL RESERVE; ABANDONED SALT WORKS AT NW CORNER OF JAMBOREE BLVD & UNIVERSITY DR, NEWPORT BEACH.

Detailed Location:

MAPPED TO INCLUDE EXTENT OF NESTING AREA FROM 2013 DFW SHAPEFILE. THIS WAS THE SOUTHMOST OF TWO ISLANDS; JUDGING FROM GOOGLE EARTH AIR PHOTOS, THE NORTH ISLAND DISAPPEARED AROUND 2010.

Ecological:

HISTORIC BREEDING AREA (SEE ALSO OCC#51), WHICH EXPERIENCED FIRST NESTING IN RECENT YEARS IN 1977. SITE DECLINED DUE TO VEGETATION ENCROACHMENT, WITH NO NESTS BY 1981. AREA WAS REHABILITATED, NESTING RESUMED BY 1986.

Threats:

PREDATION (1986).

General:

12 PAIRS/15 FLEDGED, 1977. 2-10 PAIRS/0 FLEDGED '78-80. 0 NESTS 1981-82. MIN 2/MAX 55 FLEDGED '83-89. MIN# PAIRS/FLEDGLINGS/YEAR: 50/?/93, 41/?/94, 26/20/98, 53/5/99, 60/12/2000, 60/?/04, 22/20/08, 6/0/11, 32/8/13, 2/0/14, 22/1/15, 20/2/16.

PLSS:	T06S, R10W, Sec. 13 (S)	**Accuracy:**	1/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3723545 E419343	**Latitude/Longitude:**	33.64871 / -117.86982	**Elevation (feet):**	8

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

ANO78U0004	ANONYMOUS - LEAST TERN NESTING HISTORY BY LOCATION, 1978. 1978-XX-XX
ANO92U0002	ANONYMOUS - CALIFORNIA LEAST TERN BREEDING COLONIES AND NESTING DATA, 1982-1983. 1992-XX-XX
ATW77R0001	ATWOOD, J.L. ET AL. - CALIFORNIA LEAST TERN CENSUS & NESTING SURVEY, 1977, CALIFORNIA DEPARTMENT OF FISH & GAME, 1977. 1977-XX-XX
ATW79R0001	ATWOOD, J.L. ET AL. - CALIFORNIA LEAST TERN CENSUS & NESTING SURVEY, 1978, CALIFORNIA DEPARTMENT OF FISH & GAME, 1979. 1979-XX-XX
BOA84S0001	BOARDMAN, C. - WFVZ #181515 COLLECTED FROM UPPER NEWPORT BAY (BACK BAY) 1984-05-XX
CAF95R0001	CAFFREY, C. - CALIFORNIA LEAST TERN BREEDING SURVEY 1994 SEASON. NONGAME BIRD AND MAMMAL SECTION REPORT, 94-3. 1995-XX-XX
COL87R0001	COLLINS, C.T. - END OF SEASON REPORT, CALIFORNIA LEAST TERN FIELD STUDY, 1987 FIELD SEASON. (DRAFT) 1987-XX-XX
COPNDR0001	COPPER, E. - SUMMARY OF BREEDING SEASONS 1978-1981, AND REPORT ON LEAST TERN BREEDING SEASON IN SAN DIEGO COUNTY, 1979. XXXX-XX-XX
DFW13D0001	CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE - GEODATABASE COMPILATION OF LEAST TERN NESTING DATA, 2013 2013-XX-XX
ERI85R0001	ERICKSON, R.A. - ECOLOGICAL CHARACTERISTICS OF LEAST TERN COLONY SITES IN CALIFORNIA. THESIS AT CSU HAYWARD. 1985-XX-XX
FAN92A0001	FANCHER, J. - POPULATION STATUS AND TRENDS OF THE CALIFORNIA LEAST TERN. 1992 TRANSACTIONS OF THE WESTERN SECTION OF THE WILDLIFE SOCIETY 28:59-66. 1992-XX-XX
FRO14R0001	FROST, N. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - CALIFORNIA LEAST TERN BREEDING SURVEY, 2013 SEASON 2014-11-07
FRO15R0001	FROST, N. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - CALIFORNIA LEAST TERN BREEDING SURVEY, 2014 SEASON 2015-09-11
FRO16R0001	FROST, N. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - CALIFORNIA LEAST TERN BREEDING SURVEY, 2015 SEASON 2016-03-30
FRO17R0001	FROST, N. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - CALIFORNIA LEAST TERN BREEDING SURVEY, 2016 SEASON 2017-06-22
GUS86U0001	GUSTAFSON, J. - CALIFORNIA DEPARTMENT OF FISH AND GAME SUMMARY OF THE CALIFORNIA LEAST TERN SEASONS FOR 1979-1983 (5 YEARS). 1986-08-XX
KEA00R0001	KEANE, K. - CALIFORNIA LEAST TERN BREEDING SURVEY 1998 SEASON. HABITAT CONSERVATION AND PLANNING BRANCH REPORT, 2000-01. 2000-XX-XX
MAR05R0001	MARSCHALEK, D. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - CALIFORNIA LEAST TERN BREEDING SURVEY, 2004 SEASON 2005-02-28
MAR09R0001	MARSCHALEK, D.A. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - CALIFORNIA LEAST TERN BREEDING SURVEY 2008 SEASON 2009-06-26
MAR12R0005	MARSCHALEK, D. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - CALIFORNIA LEAST TERN BREEDING SURVEY, 2011 SEASON 2012-08-02
MAS88R0001	MASSEY, B.W. - CALIFORNIA LEAST TERN FIELD STUDY, 1988 BREEDING SEASON. 1988-XX-XX
MAS89R0001	MASSEY, B.W. - CALIFORNIA LEAST TERN FIELD STUDY, 1989 BREEDING SEASON. 1989-XX-XX
MIN83S0001	MINSKY, D. - WFVZ #181905 COLLECTED FROM UPPER NEWPORT BAY (BACK BAY) 1983-08-10
PAT01R0001	PATTON, R. - CALIFORNIA LEAST TERN BREEDING SURVEY, 2000 SEASON 2001-02-15

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 66320
EO Index: 97002
Key Quad: Tustin (3311767)
Element Code: ABNRB02022
Occurrence Number: 199
Occurrence Last Updated: 2015-04-10

Scientific Name: *Coccyzus americanus occidentalis*
Common Name: western yellow-billed cuckoo

Listing Status: **Federal:** Threatened
State: Endangered
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G5T2T3
State: S1

General Habitat:

RIPARIAN FOREST NESTER, ALONG THE BROAD, LOWER FLOOD-BOTTOMS OF LARGER RIVER SYSTEMS.

Micro Habitat:

NESTS IN RIPARIAN JUNGLES OF WILLOW, OFTEN MIXED WITH COTTONWOODS, WITH LOWER STORY OF BLACKBERRY, NETTLES, OR WILD GRAPE.

Last Date Observed: 1918-07-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1918-07-10
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Extirpated

Location:

VICINITY OF SANTA ANA.

Detailed Location:

MAPPED GENERALLY TO GIVEN COLLECTION LOCALITY, "NEAR SANTA ANA, ORANGE CO. CAL."

Ecological:

ORIGINAL COLLECTION CARD READS: "NEST SITUATED 7 FEET UP IN APPLE TREE IN ORCHARD. COMPOSED OF STICKS AND LEAVES. VERY FRAIL AND SHALLOW."

Threats:

DEVELOPMENT HAS ELIMINATED HABITAT.

General:

DESCRIBED AS "NOT COMMON" IN THIS AREA; SET OF 3 EGGS COLLECTED BY ORCHARD WORKER AND DELIVERED TO EDWARDS ON 10 JUL 1918.

PLSS: T05S, R09W, Sec. 18 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3734300 E419616
Latitude/Longitude: 33.74572 / -117.86785
Elevation (feet): 120

County Summary:	Quad Summary:
Orange	Tustin (3311767), Newport Beach (3311768), Orange (3311777), Anaheim (3311778)

Sources:

EDW18S0001 EDWARDS, H. (WESTERN FOUNDATION OF VERTEBRATE ZOOLOGY) - EDWARDS #1156 WFVZ (EGG COLLECTION) SET #76885 COLLECTED FROM NEAR SANTA ANA 1918-07-10

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02568
EO Index: 25457
Key Quad: Tustin (3311767)
Element Code: ABNSB10010
Occurrence Number: 63
Occurrence Last Updated: 1989-08-10

Scientific Name: *Athene cunicularia*
Common Name: burrowing owl

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G4
State: S2

Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFWS_BCC-Birds of Conservation Concern

General Habitat:
OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS, AND SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro Habitat:
SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Last Date Observed: 1981-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1983-XX-XX
Occurrence Rank: None
Owner/Manager: DFG-UPPER NEWPORT BAY ER
Trend: Unknown
Presence: Possibly Extirpated

Location:
UPPER NEWPORT BAY ECOLOGICAL RESERVE, NEWPORT BEACH.

Detailed Location:

Ecological:

Threats:

General:
2-4 PAIRS OBSERVED IN 1980-81 BY C. BARROWS; NONE OBSERVED IN 1983. POSSIBLY EXTIRPATED DUE TO DEVELOPMENT AND DREDGING TO CREATE LEAST TERN HABITAT.

PLSS: T06S, R10W, Sec. 13, S (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3723545 E419343
Latitude/Longitude: 33.64871 / -117.86982
Elevation (feet): 5

County Summary:
Orange

Quad Summary:
Tustin (3311767)

Sources:

BAR83U0002	BARROWS, C. - LETTER TO JULES EVENS (PRBO) DETAILING BURROWING OWL SITES IN DAVIS AND ORANGE COUNTY. 1983-XX-XX
JOH88U0001	JOHNSON, B. - JOHNSON'S PERSONAL DATA FOR BURROWING OWL. 1988-10-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02603
EO Index: 25453
Key Quad: Tustin (3311767)
Element Code: ABNSB10010
Occurrence Number: 68
Occurrence Last Updated: 1989-08-10

Scientific Name: *Athene cunicularia*
Common Name: burrowing owl

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G4
State: S2

Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFWS_BCC-Birds of Conservation Concern

General Habitat:
OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS, AND SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro Habitat:
SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Last Date Observed: 1981-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1981-XX-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
NE OF UC IRVINE, 1 MI N ON CAMPUS DRIVE, WEST SIDE OF ROAD.

Detailed Location:

Ecological:

Threats:
AREA UNDER CONSTANT DEVELOPMENT PRESSURE; CURRENT STATUS UNKNOWN.

General:
COLONY OF 3-5 PAIRS OBSERVED IN 1980 AND 1981.

PLSS: T06S, R09W, Sec. 07, SE (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3725248 E420907
Latitude/Longitude: 33.66418 / -117.85311
Elevation (feet): 50

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

BAR83U0002	BARROWS, C. - LETTER TO JULES EVENS (PRBO) DETAILING BURROWING OWL SITES IN DAVIS AND ORANGE COUNTY. 1983-XX-XX
JOH88U0001	JOHNSON, B. - JOHNSON'S PERSONAL DATA FOR BURROWING OWL. 1988-10-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 40529
EO Index: 35536
Key Quad: Tustin (3311767)
Element Code: ABNSB10010
Occurrence Number: 313
Occurrence Last Updated: 1999-01-07

Scientific Name: *Athene cunicularia*
Common Name: burrowing owl

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G4
State: S2

Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFWS_BCC-Birds of Conservation Concern

General Habitat:
OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS, AND SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro Habitat:
SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Last Date Observed: 1990-04-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1990-04-XX
Occurrence Rank: Excellent
Owner/Manager: UC-IRVINE
Trend: Unknown
Presence: Presumed Extant

Location:
ABOUT 0.5 MILE SOUTH OF THE INTERSECTION OF CAMPUS DRIVE AND CULVER DRIVE, UNIVERSITY OF CALIFORNIA IRVINE.

Detailed Location:

Ecological:
HABITAT SURROUNDING BURROW CONSISTS OF GRASSLANDS/GRAZED PASTURES ADJACENT TO FARM SCHOOL.

Threats:
THREATENED BY CAMPUS DEVELOPMENT.

General:
1 PAIR OBSERVED AT THE BURROW SITE, PLUS 3 OTHER INDINDUALS OBSERVED IN THE VICINITY, DURING APRILL 1990.

PLSS: T06S, R09W, Sec. 21 (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3722836 E423549
Latitude/Longitude: 33.64262 / -117.82441
Elevation (feet): 160

County Summary:
Orange

Quad Summary:
Tustin (3311767)

Sources:
SCH90F0011 SCHROEDER, M. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 1990-04-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 49069
EO Index: 49069
Key Quad: El Toro (3311766)
Element Code: ABNSB10010
Occurrence Number: 511
Occurrence Last Updated: 2002-10-17

Scientific Name: *Athene cunicularia*
Common Name: burrowing owl

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S2
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFWS_BCC-Birds of Conservation Concern

General Habitat:

OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS, AND SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro Habitat:

SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Last Date Observed: 1999-10-15
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1999-10-15
Occurrence Rank: Fair
Owner/Manager: LOCAL REUSE AUTHORITY
Trend: Unknown
Presence: Presumed Extant

Location:

ALONG THE BANKS OF SERRANO CREEK, JUST SOUTH OF THE INTERSECTION OF I-5 AND I-405, 2 MILES NORTH OF LAGUNA HILLS.

Detailed Location:

SITE IS LOCATED ON THE NE SIDE OF I-5, BETWEEN TWO AGRICULTURAL FIELDS.

Ecological:

HABITAT CONSISTS OF A CHANNELIZED CREEK SURROUNDED BY AGRICULTURAL FIELDS; VEGETATED BY SPARSE MULEFAT AND WILLOWS ALONG THE STREAM BANKS.

Threats:

THREATENED BY DEVELOPMENT (PROPOSED SITE FOR A SPORTS ARENA).

General:

1 ADULT OBSERVED ON 15 OCT 1999; MOST LIKELY USED FOR WINTERING.

PLSS: T06S, R08W, Sec. 20, SW (S)
Accuracy: non-specific area
Area (acres): 18
UTM: Zone-11 N3722773 E432321
Latitude/Longitude: 33.64265 / -117.72982
Elevation (feet): 260

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

MUK99F0003 MUKAI, C. - FIELD SURVEY FORM FOR ATHENE CUNICULARIA (BURROW SITE) 1999-10-15

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 81785
EO Index: 82750
Key Quad: El Toro (3311766)
Element Code: ABNSB10010
Occurrence Number: 1751
Occurrence Last Updated: 2011-02-15

Scientific Name: *Athene cunicularia*
Common Name: burrowing owl

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G4
State: S2

Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFWS_BCC-Birds of Conservation Concern

General Habitat:
OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS, AND SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro Habitat:
SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Last Date Observed: 2010-03-16
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2010-04-03
Occurrence Rank: Poor
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
0.5 MI SSE TRABUCO RD AT W MARINE WAY, IRVINE.

Detailed Location:
WITHIN MARINE CORPS AIR STATION EL TORO (HISTORICAL). MAPPED TO PROVIDED COORDINATES.

Ecological:
HABITAT DESCRIBED AS SPARSELY VEGETATED WITH DISTURBED GRASSLAND SPECIES AND ORNAMENTAL PLANTS ON DEVELOPED AND DISTURBED LANDS. DISTURBANCES INCLUDE VEHICLE STORAGE, ACTIVE PARK, PUBLIC INFRASTRUCTURE, PRIVATE CONSTRUCTION AND FARMING.

Threats:
POSSIBLY THREATENED BY MOWING, DISKING, LANDSCAPING ACTIVITIES, VEHICULAR ACTIVITY AND LITTER.

General:
2 ADULTS OBSERVED WINTERING AT BURROWS ON SITE DURING SURVEYS CONDUCTED 5 NOV 2009 TO 16 MAR 2010. AFTER EXAMINING BURROW CONTENTS FOR BIRDS OR EGGS, ALL BURROWS WERE COLLAPSED USING HAND TOOLS TO PREVENT REOCCUPATION ON 3 APRIL 2010.

PLSS: T06S, R08W, Sec. 05, SE (S)
Accuracy: specific area
Area (acres): 10
UTM: Zone-11 N3726192 E431853
Latitude/Longitude: 33.67345 / -117.73512
Elevation (feet): 310

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

MAL09R0001	MALO, L. (URS CORPORATION) - BURROWING OWL REPORT, ORANGE COUNTY GREAT PARK PROJECT, ORANGE COUNTY GREAT PARK CORPORATION, IRVINE, CALIFORNIA 2009-12-23

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 81787
EO Index: 82758
Key Quad: El Toro (3311766)
Element Code: ABNSB10010
Occurrence Number: 1752
Occurrence Last Updated: 2011-02-15

Scientific Name: *Athene cunicularia*
Common Name: burrowing owl

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G4
State: S2

Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFWS_BCC-Birds of Conservation Concern

General Habitat:
OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS, AND SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro Habitat:
SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Last Date Observed: 2010-03-16
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2010-04-03
Occurrence Rank: Poor
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
0.5 MI ESE TRABUCO RD AT W MARINE WAY, IRVINE.

Detailed Location:
WITHIN MARINE CORPS AIR STATION EL TORO (HISTORICAL). MAPPED TO PROVIDED COORDINATES.

Ecological:
HABITAT DESCRIBED AS SPARSELY VEGETATED WITH DISTURBED GRASSLAND SPECIES AND ORNAMENTAL PLANTS ON DEVELOPED AND DISTURBED LANDS. DISTURBANCES INCLUDE VEHICLE STORAGE, ACTIVE PARK, PUBLIC INFRASTRUCTURE, PRIVATE CONSTRUCTION AND FARMING.

Threats:
POSSIBLY THREATENED BY MOWING, DISKING, LANDSCAPING ACTIVITIES, VEHICULAR ACTIVITY AND LITTER.

General:
2 ADULTS OBSERVED WINTERING AT BURROWS ON SITE DURING SURVEYS CONDUCTED 5 NOV 2009 TO 16 MAR 2010. AFTER EXAMINING BURROW CONTENTS FOR BIRDS OR EGGS, ALL BURROWS WERE COLLAPSED USING HAND TOOLS TO PREVENT REOCCUPATION ON 3 APRIL 2010.

PLSS: T06S, R08W, Sec. 05, SE (S)
Accuracy: specific area
Area (acres): 10
UTM: Zone-11 N3726550 E432318
Latitude/Longitude: 33.67671 / -117.73013
Elevation (feet): 350

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

MAL09R0001	MALO, L. (URS CORPORATION) - BURROWING OWL REPORT, ORANGE COUNTY GREAT PARK PROJECT, ORANGE COUNTY GREAT PARK CORPORATION, IRVINE, CALIFORNIA 2009-12-23

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 81788
EO Index: 82759
Key Quad: El Toro (3311766)
Element Code: ABNSB10010
Occurrence Number: 1753
Occurrence Last Updated: 2011-02-15

Scientific Name: *Athene cunicularia*
Common Name: burrowing owl

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G4
State: S2

Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFWS_BCC-Birds of Conservation Concern

General Habitat:
OPEN, DRY ANNUAL OR PERENNIAL GRASSLANDS, DESERTS, AND SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro Habitat:
SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Last Date Observed: 2010-03-16
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2010-04-03
Occurrence Rank: Poor
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
ABOUT 1 MI ESE TRABUCO RD AT SAND CANYON AVE, IRVINE.

Detailed Location:
WITHIN MARINE CORPS AIR STATION EL TORO (HISTORICAL). MAPPED TO PROVIDED COORDINATES.

Ecological:
HABITAT DESCRIBED AS SPARSELY VEGETATED WITH DISTURBED GRASSLAND SPECIES AND ORNAMENTAL PLANTS ON DEVELOPED AND DISTURBED LANDS. DISTURBANCES INCLUDE VEHICLE STORAGE, ACTIVE PARK, PUBLIC INFRASTRUCTURE, PRIVATE CONSTRUCTION AND FARMING.

Threats:
POSSIBLY THREATENED BY MOWING, DISKING, LANDSCAPING ACTIVITIES, VEHICULAR ACTIVITY AND LITTER.

General:
1 ADULT OBSERVED WINTERING AT A BURROW ON SITE DURING SURVEYS CONDUCTED 5 NOV 2009 TO 16 MAR 2010. AFTER EXAMINING BURROW CONTENTS FOR BIRDS OR EGGS, ALL BURROWS WERE COLLAPSED USING HAND TOOLS TO PREVENT REOCCUPATION ON 3 APRIL 2010.

PLSS: T06S, R08W, Sec. 05, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3727019 E432205
Latitude/Longitude: 33.68093 / -117.73138
Elevation (feet): 350

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:
MAL09R0001 MALO, L. (URS CORPORATION) - BURROWING OWL REPORT, ORANGE COUNTY GREAT PARK PROJECT, ORANGE COUNTY GREAT PARK CORPORATION, IRVINE, CALIFORNIA 2009-12-23

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52628
EO Index: 52631
Key Quad: El Toro (3311766)
Element Code: ABPAT02011
Occurrence Number: 43
Occurrence Last Updated: 2003-09-24

Scientific Name: *Eremophila alpestris actia*
Common Name: California horned lark

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5T4Q
State: S4

General Habitat:

COASTAL REGIONS, CHIEFLY FROM SONOMA COUNTY TO SAN DIEGO COUNTY. ALSO MAIN PART OF SAN JOAQUIN VALLEY AND EAST TO FOOTHILLS.

Micro Habitat:

SHORT-GRASS PRAIRIE, "BALD" HILLS, MOUNTAIN MEADOWS, OPEN COASTAL PLAINS, FALLOW GRAIN FIELDS, ALKALI FLATS.

Last Date Observed: 2002-03-12
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2002-03-12
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

SE OF SERRANO CREEK AND NW OF ALISO CREEK AND EL TORO ROAD; LAKE FOREST, NE OF EL TORO.

Detailed Location:

PORTOLA HILLS SITE.

Ecological:

HABITAT CONSISTS OF COASTAL SAGE SCRUB, ANNUAL GRASSLAND, NON-NATIVE GRASSLAND, RIPARIAN AND RUDERAL AREAS.

Threats:

General:

UNKNOWN NUMBER OBS DURING CALIFORNIA GNATCATCHER SURVEYS CONDUCTED 18 FEB - 12 MAR 2002.

PLSS: T06S, R07W, Sec. 05 (S)
Accuracy: non-specific area
Area (acres): 318
UTM: Zone-11 N3726082 E441134
Latitude/Longitude: 33.67301 / -117.63500
Elevation (feet): 1,000

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

NRC02U0003 BENSON, T. (NATURAL RESOURCE CONSULTANTS) - RESULTS OF FOCUSED COASTAL CALIFORNIA GNATCATCHER SURVEYS ON THE APPROXIMATELY 420-ACRE PORTOLA HILLS SITE, LOCATED IN THE CITY OF LAKE FOREST, ORANGE COUNTY, CALIFORNIA. 2002-08-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 55838
EO Index: 55854
Key Quad: Tustin (3311767)
Element Code: ABPAT02011
Occurrence Number: 49
Occurrence Last Updated: 2004-06-17

Scientific Name: *Eremophila alpestris actia*
Common Name: California horned lark

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5T4Q
State: S4

General Habitat:

COASTAL REGIONS, CHIEFLY FROM SONOMA COUNTY TO SAN DIEGO COUNTY. ALSO MAIN PART OF SAN JOAQUIN VALLEY AND EAST TO FOOTHILLS.

Micro Habitat:

SHORT-GRASS PRAIRIE, "BALD" HILLS, MOUNTAIN MEADOWS, OPEN COASTAL PLAINS, FALLOW GRAIN FIELDS, ALKALI FLATS.

Last Date Observed: 2003-04-30
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-04-30
Occurrence Rank: Poor
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

JUST EAST OF LAGUNA CANYON ROAD, 1 MILE SOUTH OF LAGUNA RESERVOIR, WEST OF EL TORO.

Detailed Location:

Ecological:

HABITAT CONSISTS OF BARE GROUND, AGRICULTURAL LAND AND SHORT GRASSLAND. SURROUNDING LAND IS OPEN SPACE, AGRICULTURAL LAND.

Threats:

General:

2 ADULTS OBSERVED ON 30 APR 2003.

PLSS: T06S, R08W, Sec. 30, SE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3721085 E429868
Latitude/Longitude: 33.62726 / -117.75613
Elevation (feet): 450

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

GAL03F0026 GALVIN, P. - FIELD SURVEY FORM FOR EREMOPHILA ALPESTRIS ACTIA 2003-04-30

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 55839
EO Index: 55855
Key Quad: Tustin (3311767)
Element Code: ABPAT02011
Occurrence Number: 50
Occurrence Last Updated: 2004-06-17

Scientific Name: *Eremophila alpestris actia*
Common Name: California horned lark

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5T4Q
State: S4

General Habitat:

COASTAL REGIONS, CHIEFLY FROM SONOMA COUNTY TO SAN DIEGO COUNTY. ALSO MAIN PART OF SAN JOAQUIN VALLEY AND EAST TO FOOTHILLS.

Micro Habitat:

SHORT-GRASS PRAIRIE, "BALD" HILLS, MOUNTAIN MEADOWS, OPEN COASTAL PLAINS, FALLOW GRAIN FIELDS, ALKALI FLATS.

Last Date Observed: 2003-04-30
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-04-30
Occurrence Rank: Poor
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

JUST NORTH OF LAGUNA RESERVOIR, WEST OF EL TORO.

Detailed Location:

Ecological:

HABITAT CONSISTS OF BARE GROUND, AGRICULTURAL LAND AND SHORT GRASSLAND. SURROUNDING LAND IS OPEN SPACE, AGRICULTURAL LAND.

Threats:

General:

2 ADULTS OBSERVED ON 30 APR 2003.

PLSS: T06S, R08W, Sec. 19, NW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3722884 E429656
Latitude/Longitude: 33.64347 / -117.75856
Elevation (feet): 300

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

GAL03F0026 GALVIN, P. - FIELD SURVEY FORM FOR EREMOPHILA ALPESTRIS ACTIA 2003-04-30

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 55840
EO Index: 55856
Key Quad: Tustin (3311767)
Element Code: ABPAT02011
Occurrence Number: 51
Occurrence Last Updated: 2004-06-17

Scientific Name: *Eremophila alpestris actia*
Common Name: California horned lark

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5T4Q
State: S4

General Habitat:

COASTAL REGIONS, CHIEFLY FROM SONOMA COUNTY TO SAN DIEGO COUNTY. ALSO MAIN PART OF SAN JOAQUIN VALLEY AND EAST TO FOOTHILLS.

Micro Habitat:

SHORT-GRASS PRAIRIE, "BALD" HILLS, MOUNTAIN MEADOWS, OPEN COASTAL PLAINS, FALLOW GRAIN FIELDS, ALKALI FLATS.

Last Date Observed: 2003-04-30
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-04-30
Occurrence Rank: Poor
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

NORTH OF LAGUNA RESERVOIR AND JUST SOUTH OF I-405, NORTHWEST OF EL TORO.

Detailed Location:

Ecological:

HABITAT CONSISTS OF BARE GROUND, AGRICULTURAL LAND AND SHORT GRASSLAND. SURROUNDING LAND IS OPEN SPACE, AGRICULTURAL LAND.

Threats:

General:

15 ADULTS OBSERVED ON 30 APR 2003.

PLSS: T06S, R08W, Sec. 18, SW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3723415 E429787
Latitude/Longitude: 33.64827 / -117.75718
Elevation (feet): 300

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

GAL03F0026 GALVIN, P. - FIELD SURVEY FORM FOR EREMOPHILA ALPESTRIS ACTIA 2003-04-30

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 56010
EO Index: 56026
Key Quad: Tustin (3311767)
Element Code: ABPAT02011
Occurrence Number: 67
Occurrence Last Updated: 2004-07-07

Scientific Name: *Eremophila alpestris actia*
Common Name: California horned lark

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5T4Q
State: S4

General Habitat:

COASTAL REGIONS, CHIEFLY FROM SONOMA COUNTY TO SAN DIEGO COUNTY. ALSO MAIN PART OF SAN JOAQUIN VALLEY AND EAST TO FOOTHILLS.

Micro Habitat:

SHORT-GRASS PRAIRIE, "BALD" HILLS, MOUNTAIN MEADOWS, OPEN COASTAL PLAINS, FALLOW GRAIN FIELDS, ALKALI FLATS.

Last Date Observed: 2003-05-30
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-05-30
Occurrence Rank: Good
Owner/Manager: UC-IRVINE
Trend: Unknown
Presence: Presumed Extant

Location:

0.25 MILE NORTH OF BONITA CANYON RESERVOIR, SE OF NEWPORT BEACH.

Detailed Location:

NON-BREEDING. MAPPED ACCORDING TO UTM COORDINATES.

Ecological:

HABITAT CONSISTS OF DISTURBED GRASSLAND WITHIN COASTAL SAGE SCRUB. SURROUNDING LAND: URBAN.

Threats:

POSSIBLE THREATS INCLUDE PEOPLE, PETS AND EXOTIC GRASSLAND.

General:

1 ADULT OBSERVED ON 30 MAY 2003.

PLSS: T06S, R09W, Sec. 20, W (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3722054 E421456
Latitude/Longitude: 33.63541 / -117.84690
Elevation (feet): 220

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

GAL03F0027 GALVIN, P. - FIELD SURVEY FORM FOR EREMOPHILA ALPESTRIS 2003-05-30

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 17526
EO Index: 11772
Key Quad: El Toro (3311766)
Element Code: ABPBG02095
Occurrence Number: 5
Occurrence Last Updated: 1991-10-07

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 1991-02-22
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-02-22
Occurrence Rank: Fair
Owner/Manager: CITY OF MISSION VIEJO
Trend: Unknown
Presence: Presumed Extant

Location:
ENGLISH CANYON, IN WILDERNESS GLEN PARK, ALONG LOS ALISOS BLVD, BETWEEN ENTIDAD AND VISTA DEL LAGO, MISSION VIEJO.

Detailed Location:

Ecological:
SITE IS LOCATED ON AN EAST-FACING SLOPE NEAR THE CANYON BOTTOM IN A RELIC STAND OF CACTUS AND COASTAL SAGE SCRUB BORDERING A RIPARIAN OAK WOODLAND.

Threats:
SITE IS ZONED AS OPEN SPACE LEANING TOWARD PRESERVATION, BUT THREATENED BY ISOLATION AND FRAGMENTATION OF THE HABITAT.

General:
ONE PAIR AND A SINGLE INDIVIDUAL OBSERVED. HILLS TO THE WEST AT ONE TIME WERE INHABITED BY COASTAL SAGE SCRUB SPECIES; NOW ONLY ISOLATED PATCHES ARE LEFT, SCATTERED UP AND DOWN THE LENGTH OF THE CANYON. SITE HAS BEEN ISOLATED FOR 5 YRS.

PLSS: T06S, R07W, Sec. 18, SW (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3722986 E439094
Latitude/Longitude: 33.64498 / -117.65680
Elevation (feet): 700

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

STO91F0001 STOCKWELL, K. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS 1991-02-22

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	17521	**EO Index:**	11778
Key Quad:	Santiago Peak (3311765)	**Element Code:**	ABPBG02095
Occurrence Number:	6	**Occurrence Last Updated:**	2017-09-13

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*

Common Name: coastal cactus wren

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G5T3Q

State: S2

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:

SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:

WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed:	2017-05-25	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2017-05-25	**Occurrence Rank:**	Good
Owner/Manager:	PVT, ORA COUNTY	**Trend:**	Stable
Presence:	Presumed Extant		

Location:

BETWEEN UPPER ALISO CREEK AND VULTURE CRAGS, 0.6-1.8 MILES SOUTH OF MODJESKA.

Detailed Location:

MAPPED TO INCLUDE PARCELS CONTAINING CACTUS WRENS, ADJACENT TO CLEVELAND NF. 1997: VICINITY OF 4S RANCH. 2002: SADDLE CREST AND SADDLE CREEK AREA SURVEYED. 2012: DETECTED IN SE CORNER OF MAPPED OCCURRENCE. 2017: DET IN SE & NW CORNERS.

Ecological:

GENTLE SW-FACING SLOPE OF SOUTHERN CACTUS SCRUB, DOMINATED BY OPUNTIA SP., SAMBUCUS MEXICANA, AND ERIOGONUM FASCICULATUM. COASTAL SAGE SCRUB ON AND IN VICINITY OF 4S RANCH. 2017: CACTUS SCRUB ON STEEP SLOPES.

Threats:

DEVELOPMENT INTO RURAL HOUSING (1991). FIRE (2012).

General:

2 ADULTS OBSERVED 18 APR 1991. OBS DURING GNATCATCHER SURVEYS IN 1997. 3 ADULTS OBS, 1999. OBS DURING CAGN SURVEYS, 2002. 2 TERRITORIAL ADULTS OBS 25 APR 2012. AT LEAST TWO PAIRS OBS IN 2017; PAIR W/3 YOUNG OBS 25 MAY 2017.

PLSS:	T05S, R07W, Sec. 33, SW (S)	**Accuracy:**	non-specific area	**Area (acres):**	750
UTM:	Zone-11 N3728195 E442897	**Latitude/Longitude:**	33.69217 / -117.61612	**Elevation (feet):**	1,200

County Summary:	**Quad Summary:**
Orange	Santiago Peak (3311765), El Toro (3311766)

Sources:

BEC17F0012	BECK, C. ET AL. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS 2017-03-21
BEC17F0013	BECK, C. ET AL. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS 2017-05-25
KAM12D0001	KAMADA, D. - SPREADSHEET OF COASTAL CACTUS WREN OCCURRENCES FROM NATURE RESERVE OF ORANGE COUNTY 2012 SURVEY, GENETIC SAMPLING, FORAGING SURVEY, & TRANSLOCATION STUDY. 2012-XX-XX
KAM12F0048	KAMADA, D. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS 2012-04-25
LSA97U0001	ERICKSON, R. (LSA ASSOCIATES, INC.) - 4S RANCH CALIFORNIA GNATCATCHER SURVEY 1997-10-14
PCR02U0002	SZABO, K. (PCR SERVICES CORPORATION) - RESULTS OF COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR THE SADDLE CREEK AND SADDLE CREST PROJECTS, ORANGE COUNTY, CALIFORNIA. 2002-06-07
ROB91F0005	ROBERTS, F. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS 1991-04-18
SIN17F0001	SINGLETON, L. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS 2017-01-26
SZA99F0001	SZABO, K. (PCR SERVICES CORPORATION) - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS COUESI (SANDIEGENSIS) 1999-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 17528
EO Index: 11775
Key Quad: El Toro (3311766)
Element Code: ABPBG02095
Occurrence Number: 7
Occurrence Last Updated: 1995-10-31

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:

SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:

WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 1991-08-28
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-08-28
Occurrence Rank: Good
Owner/Manager: ORA COUNTY, PVT
Trend: Decreasing
Presence: Presumed Extant

Location:

CANADA DE LOS ALISOS, 3 MI NORTH OF EL TORO.

Detailed Location:

Ecological:

HABITAT IS A MOSAIC OF COASTAL SAGE SCRUB, SOUTHERN CACTUS SCRUB, AND NATIVE GRASSLAND, DOMINATED BY OPUNTIA LITTORALIS, ARTEMISIA CALIFORNICA, ERIOGONUM CALIFORNICA, SAMBUCUS MEXICANA, NASSELLA PULCHRA, AND SALVIA MELLIFERA.

Threats:

LAND ZONED FOR RESIDENTIAL AND ROADWAY/TOLLWAY DEVELOPMENT; CLEARING OF HABITAT IN PROGRESS DURING AUGUST 1991.

General:

FOUR PAIRS AND ONE INDIVIDUAL OBSERVED, MOSTLY SITTING ATOP CLEARED CACTUS PILES. OVER 80 ACRES OF HABITAT ON SITE PRIOR TO CLEARING; OVER HALF WAS CLEARED DURING AUGUST 1991.

PLSS: T06S, R08W (S)
Accuracy: non-specific area
Area (acres): 87
UTM: Zone-11 N3727399 E437419
Latitude/Longitude: 33.68468 / -117.67517
Elevation (feet): 750

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

ROB91F0001 ROBERTS, F. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS 1991-08-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	17527	**EO Index:**	11774
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBG02095
Occurrence Number:	8	**Occurrence Last Updated:**	2003-12-17

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*

Common Name: coastal cactus wren

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G5T3Q

State: S2

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:

SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:

WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed:	2002-03-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2002-03-XX	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY, PVT-PGE, PVT	**Trend:**	Decreasing
Presence:	Presumed Extant		

Location:

FOOTHILL AREA BETWEEN SERRANO CREEK AND ALISO CREEK, NW OF EL TORO ROAD, 2 MILES NE OF EL TORO.

Detailed Location:

1991:SW, SE, N PORTION. 1992:SE PORTION. 1997:SE PORTION. 1999:SW PORTION. 2000: N, S CENTRAL PORTION. 2002: EAST MOST PORTION. AT LEAST 12 BIRDS DISPLACED DURING JUL 1991 BY ONGOING GRADING RESULTING FROM APPROVED DEVELOPMENT PROJECTS.

Ecological:

HABITAT IS SOUTHERN CACTUS SCRUB, DOMINATED BY OPUNTIA SP, AND A MOSAIC OF COASTAL SAGE SCRUB, CHAPARRAL, AND GRASSLANDS. OTHER RARE SPECIES INCLUDE CA GNATCATCHER, ORANGE-THROATED WHIPTAIL, WESTERN SPADEFOOT TOAD, AND LOGGERHEAD SHRIKE.

Threats:

THREATS: RESIDENTIAL/INDUSTRIAL DEVELOPMENT, INCLUDING GRADING/FRAGMENTATION; HABITAT CONVERSION INTO A DEVELOPED PARK.

General:

JUN 1991: 30+ ADULTS OBS (AT LEAST 12 PRS). 8 (2 GROUPS OF 3, + 1 PR) OBS IN FEB 1992. 2 PR OBS 12 APR 1997. 2 PRS OBS BETWEEN FEB & JUL 1999. OBS AT 4 LOCATIONS (CAGN SURVEYS) APR-JUN 2000. UNK NUMBER OBS DURING CAGN SURVEYS FEB-MAR 2002.

PLSS:	T06S, R07W, Sec. 07 (S)	**Accuracy:**	non-specific area	**Area (acres):**	844
UTM:	Zone-11 N3725906 E440388	**Latitude/Longitude:**	33.67139 / -117.64303	**Elevation (feet):**	900

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

BRA99R0001	LAURI, R. & J. SIMONSEN (MICHAEL BRANDMAN ASSOCIATES) - COASTAL CALIFORNIA GNATCATCHER SURVEY REPORT FOR THE LOS ALISOS WATER DISTRICT PIPELINE PROJECT, MISSION VIEJO, CALIFORNIA 1999-09-21
NRC02U0003	BENSON, T. (NATURAL RESOURCE CONSULTANTS) - RESULTS OF FOCUSED COASTAL CALIFORNIA GNATCATCHER SURVEYS ON THE APPROXIMATELY 420-ACRE PORTOLA HILLS SITE, LOCATED IN THE CITY OF LAKE FOREST, ORANGE COUNTY, CALIFORNIA. 2002-08-08
OGD00R0001	OGDEN ENVIRONMENTAL AND ENERGY SERVICES COMPANY - SOUTHERN CALIFORNIA EDISON LOS ANGELES-SAN DIEGO FIBERLINK PROJECT, COASTAL CALIFORNIA GNATCATCHER SURVEY RESULTS. 2000-08-XX
RAM97F0021	RAMIREZ, JR., R. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS COUESI (SANDIEGENSIS) 1997-04-12
ROB91F0002	ROBERTS, F. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS 1991-06-13
ROB92F0008	ROBERTS, F. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS 1992-02-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 17525
EO Index: 11773
Key Quad: El Toro (3311766)
Element Code: ABPBG02095
Occurrence Number: 9
Occurrence Last Updated: 1999-12-16

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 1991-07-17
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-07-17
Occurrence Rank: Fair
Owner/Manager: PVT-MISSION VIEJO CO
Trend: Decreasing
Presence: Presumed Extant

Location:
NW SHORE OF OSO RESERVOIR, MISSION VIEJO.

Detailed Location:

Ecological:
HABITAT IS A 40 X 15 M PATCH OF CACTUS, WITH SOME SAMBUCUS MEXICANA MIXED IN, SURROUNDED BY ANNUAL GRASSLAND AND NATIVE NEEDLEGRASS GRASSLAND (<1 ACRE).

Threats:
THREATENED BY DEVELOPMENT AND "WEED ABATEMENT."

General:
12 NESTS OBSERVED ON SITE; 1-2 OF THESE DESTROYED BY CLEARING DURING JULY 1991. LORAN HAYES (USFWS) OBSERVED TWO FLEDGLINGS ON 24 JULY 1991.

PLSS: T06S, R07W, Sec. 08 (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3724859 E441538
Latitude/Longitude: 33.66201 / -117.63057
Elevation (feet): 1,000

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

ROB91F0003	ROBERTS, F. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS 1991-07-17
ROB91F0004	ROBERTS, F. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS 1991-08-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 17523
EO Index: 11776
Key Quad: Santiago Peak (3311765)
Element Code: ABPBG02095
Occurrence Number: 10
Occurrence Last Updated: 1995-10-31

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 1991-07-06
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-07-06
Occurrence Rank: Fair
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
ARROYO TRABUCO, ALONG ALICIA PARKWAY EXTENSION, 0.9 KM SSW OF RANCHO SANTA MARGARITA PARKWAY JCT, O'NEILL REGIONAL PARK.

Detailed Location:

Ecological:
HABITAT IS COASTAL SAGE SCRUB ON AN EAST-FACING SLOPE AT THE MARGIN OF A CULTIVATED SLOPE; DOMINANT PLANTS SPECIES INCLUDE OPUNTIA LITTORALIS, ARTEMISIA CALIFORNICA, AND ERIOGONUM FASCICULATUM.

Threats:
MAIN THREAT IS THE SITE'S PROXIMITY TO THE ROAD EXTENSION AND RESULTING DISTURBANCES.

General:
ONE INDIVIDUAL OBSERVED. PROTECTED AREA TO THE EAST IS MOSTLY MADE UP OF RIPARIAN.

PLSS: T06S, R07W, Sec. 21, SW (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3721547 E442127
Latitude/Longitude: 33.63217 / -117.62400
Elevation (feet): 850

County Summary:
Orange

Quad Summary:
Santiago Peak (3311765), El Toro (3311766)

Sources:
STO91F0002 STOCKWELL, K. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS 1991-07-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	17522	**EO Index:**	11777
Key Quad:	Santiago Peak (3311765)	**Element Code:**	ABPBG02095
Occurrence Number:	11	**Occurrence Last Updated:**	1991-09-18

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*

Common Name: coastal cactus wren

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G5T3Q

State: S2

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:

SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:

WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed:	1991-07-17	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1991-07-17	**Occurrence Rank:**	Good
Owner/Manager:	PVT-SANTA MARGARITA WATER DIST	**Trend:**	Stable
Presence:	Presumed Extant		

Location:

SE SHORE OF OSO RESERVOIR, 1.7 MI (2.7 KM) SOUTH OF INTERSECTION OF SANTIAGO CYN RD & LIVE OAK CYN RD, MISSION VIEJO.

Detailed Location:

Ecological:

HABITAT IS RELATIVELY OPEN COASTAL SAGE SCRUB, LOCATED ON A NW-FACING SLOPE, GENERALLY DOMINATED BY OPUNTIA LITTORALIS, YUCCA WHIPPLEI, AND SAMBUCUS MEXICANUS, WITH ERIOGONUM FASCICULATUM, SALVIA APIANA, AND ARTEMISIA CALIFORNICA.

Threats:

MAIN THREAT IS SURROUNDING DEVELOPMENT; AREA SURROUNDING LAKE IS PRESUMABLY ZONED AS OPEN SPACE.

General:

ONE PAIR OBSERVED. POLIOPTILA CALIFORNICA CALIFORNICA ALSO FOUND HERE.

PLSS:	T06S, R07W, Sec. 17, NE (S)	**Accuracy:**	1/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3724275 E442021	**Latitude/Longitude:**	33.65677 / -117.62532	**Elevation (feet):**	1,000

County Summary:	**Quad Summary:**
Orange	Santiago Peak (3311765), El Toro (3311766)

Sources:

ROB91F0005 ROBERTS, F. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS 1991-04-18

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 17550
EO Index: 9991
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBG02095
Occurrence Number: 13
Occurrence Last Updated: 1991-09-19

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 1990-06-17
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1990-08-XX
Occurrence Rank: None
Owner/Manager: PVT-MISSION VIEJO CO
Trend: Decreasing
Presence: Possibly Extirpated

Location:
NACIENTE RIDGE, ABOVE THE INTERSECTION OF OLYMPIAD AND JERONIMO ROADS, 2 MILES EAST OF EL TORO RESERVOIR, MISSION VIEJO.

Detailed Location:

Ecological:
HABITAT IS COASTAL SAGE SCRUB INTERSPERSED WITH PATCHES OF SOUTHERN CACTUS SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, SALVIA MELLIFERA, AND OPUNTIA LITTORALIS. SITE IS SITUATED ON A MODERATELY STEEP, W-FACING SLOPE.

Threats:
HOUSING DEVELOPMENT APPROVED FOR SITE, AND MOST OF SITE WAS CLEARED FOR "WEED ABATEMENT" IN AUGUST 1990.

General:
ONE PAIR OBSERVED ON THIS 70-ACRE SITE IN JUNE 1990, PRIOR TO CLEARING; ADDITIONAL CACTUS WRENS SUSPECTED DUE TO EXTENT AND QUALITY OF SITE. OTHER RARE SPECIES FOUND HERE INCLUDE CALIFORNIA GNATCATCHER AND ORANGE COUNTY TURKISH RUGGING.

PLSS: T06S, R07W, Sec. 29, SE (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3719854 E441620
Latitude/Longitude: 33.61687 / -117.62935
Elevation (feet): 850

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:
ROB90F0001 ROBERTS, F. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS 1990-06-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	17551	**EO Index:**	11784
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBG02095
Occurrence Number:	15	**Occurrence Last Updated:**	2022-03-09

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*

Common Name: coastal cactus wren

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G5T3Q

State: S2

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:

SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:

WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed:	2021-08-06	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2021-08-06	**Occurrence Rank:**	Poor
Owner/Manager:	UC-IRVINE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

UC IRVINE ECOLOGICAL PRESERVE, BETWEEN E PELTASON RD AND HWY 73 ABOUT 0.8 MILES E OF MACARTHUR BLVD IN IRVINE.

Detailed Location:

1990: OBSERVED WITHIN PRESERVE, EXACT LOCATION UNKNOWN. 1997: S OF BONITA CYN RD, LOCATION VAGUE & UNKNOWN IF NESTING DETECTED, SO NOT INCLUDED AS PART OF SPATIAL FEATURE. MAPPED TO LOCATIONS GIVEN FOR DETECTIONS FROM 2003 AND AFTER.

Ecological:

PRESERVE SUPPORTS COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, ISOMERIS ARBOREA, & OPUNTIA LITTORALIS. DISTURBANCE NOTED FROM WEED CONTROL & DOG WALKERS; SITE QUALITY DOWNGRADED FROM FAIR TO POOR 2010-2016.

Threats:

RESIDENTIAL/CAMPUS DEVELOPMENT, ROAD CONSTRUCTION (1990S). PREDATORS FROM NEARBY LANDSCAPED AREAS (2013).

General:

2+ PAIRS OBSERVED, POP EST. 6-8 PAIRS, 1990. PRESENT, 1997. 4 PAIRS, 2002. 2 PAIRS, 27 MAY 2003. 25 BIRDS, 1 PREDATED NEST OBSERVED IN 2008. OCCUPIED HABITAT IN 2009, 2010, 2011, 2012, 2013, 2014, 2016, 2018, 2021.

PLSS:	T06S, R09W, Sec. 20, W (S)	**Accuracy:**	specific area	**Area (acres):**	77
UTM:	Zone-11 N3722273 E421512	**Latitude/Longitude:**	33.63739 / -117.84633	**Elevation (feet):**	199

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

COF21F0002	COFFEY, J. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS 2021-08-06
DEL16F0014	DELUNA, A. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS [SC-012609]. 2016-04-14
ERI97F0004	ERICKSON, R. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1997-11-XX
ERI97F0005	ERICKSON, R. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 1997-07-XX
GAL03F0012	GALVIN, P. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS 2003-05-27
HAR02R0002	HARMSWORTH ASSOCIATES - FINAL REPORT ON AVIAN SURVEYS AT THE UC NATURAL RESERVE SYSTEM'S SAN JOAQUIN MARSH RESERVE AND ECOLOGICAL PRESERVE 2002-11-XX
KAM08U0001	KAMADA, D. - SCIENTIFIC COLLECTING REPORT OF SPECIMENS CAPTURED OR SALVAGED [SC-001360] 2008-01-14
KAM10F0018	KAMADA, D. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS 2010-03-18
KAM11F0037	KAMADA, D. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS 2011-07-13
KAM12D0001	KAMADA, D. - SPREADSHEET OF COASTAL CACTUS WREN OCCURRENCES FROM NATURE RESERVE OF ORANGE COUNTY 2012 SURVEY, GENETIC SAMPLING, FORAGING SURVEY, & TRANSLOCATION STUDY. 2012-XX-XX
KAM12F0049	KAMADA, D. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS 2012-02-23
KAM12U0001	KAMADA, D. - ANNUAL AND REPORT OF ACTIVITIES CONDUCTED UNDER THE CALIFORNIA DEPARTMENT OF FISH AND GAME (DFG) MEMORANDUM OF UNDERSTANDING (MOU) [SC-001360] 2012-01-21
KAM13F0027	KAMADA, D. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS 2013-02-14
KAM14D0001	KAMADA, D. - TABULAR RECODS FOR CACTUS WREN AND CALIFORNIA GNATCATCHER DETECTED DURING 2014 NATURE RESERVE OF ORANGE CO CACTUS SCRUB RESTORATION ASSESSMENT STUDY [SC-001360] 2014-XX-XX
KAM14F0010	KAMADA, D. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS 2014-05-02
KAM14R0001	KAMADA, D. & M. MITROVICH - NATURE RESERVE OF ORANGE COUNTY: COASTAL CACTUS WREN SURVEY AND MONITORING FOR POST-TRANSLOCATION AND ARTHROPOD FORAGING STUDIES IN 2013 2014-01-XX
KAM18D0001	KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX
LSA92R0001	LSA ASSOCIATES, INC. - BIOLOGICAL ASSESSMENT OF MACARTHUR BOULEVARD WIDENING AND BISON AVENUE EXTENSION. 1992-03-XX
PRE09R0001	PRESTON, K. & D. KAMADA - NATURE RESERVE OF ORANGE COUNTY PILOT STUDY: MONITORING COASTAL CACTUS WREN REPRODUCTION, DISPERSAL AND SURVIVAL 2009-12-XX
ROB90F0002	ROBERTS, F. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS 1990-11-06
SCH90F0024	SCHROEDER, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1990-04-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 20435
EO Index: 20052
Key Quad: Tustin (3311767)
Element Code: ABPBG02095
Occurrence Number: 115
Occurrence Last Updated: 1992-03-25

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 1992-02-03
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1992-02-03
Occurrence Rank: Good
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:
LOMAS DE SANTIAGO, 1 MI EAST OF RED HILL, EAST OF TUSTIN.

Detailed Location:

Ecological:
HABITAT IS A GENTLE TO STEEP, SOUTH-FACING SLOPE VEGETATED BY SOUTHERN CACTUS SCRUB AND COASTAL SAGE SCRUB IN MOSAIC WITH MIXED CHAPARRAL AND INTRODUCED EUCALYPTUS FOREST; DOMINATED BY OPUNTIA, ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA.

Threats:
THREATS INCLUDE GRUBBING/GRADING AND INDIRECT IMPACTS RELATIVE TO EUCALYPTUS REMOVAL. ZONED FOR RESIDENTIAL DEVELOPMENT.

General:
4 BIRDS, 9 NESTS, AND 2 RELIC NESTS OBSERVED.

PLSS: T05S, R09W, Sec. 12, W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3734670 E428175
Latitude/Longitude: 33.74967 / -117.77548
Elevation (feet): 300

County Summary:
Orange

Quad Summary:
Tustin (3311767), Orange (3311777)

Sources:
ROB92F0006 ROBERTS, F. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS (COASTAL FORM) 1992-02-03
ROB92F0007 ROBERTS, F. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS (COASTAL FORM) 1992-02-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 22998
EO Index: 8670
Key Quad: Laguna Beach (3311757)
Element Code: ABPBG02095
Occurrence Number: 116
Occurrence Last Updated: 1993-04-22

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 1991-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-XX-XX
Occurrence Rank: Excellent
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:
SAN JOAQUIN HILLS, ONE MILE EAST OF SIGNAL PEAK, 4 MILES NORTH OF LAGUNA BEACH.

Detailed Location:

Ecological:
HABITAT SUPPORTING CACTUS WRENS IS LIMITED TO COASTAL SAGE SCRUB WITH SOME CACTUS.

Threats:
THREATENED BY A PROPOSED TOLL ROAD.

General:
ONE BIRD OBSERVED; SINCE NO SPECIFIC ATTEMPT WAS MADE TO LOCATE CACTUS WRENS, THE NUMBER OBSERVED IS LIKELY WELL BELOW THE ACTUAL POPULATION SIZE AT THIS SITE.

PLSS: T06S, R09W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3718447 E426682
Latitude/Longitude: 33.60326 / -117.79027
Elevation (feet): 900

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
CHA91R0001 CHAMBERS GROUP, INC. - LAGUNA LAUREL BIOLOGICAL RESOURCES REPORT (FINAL) 1991-09-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21287
EO Index: 21378
Key Quad: Laguna Beach (3311757)
Element Code: ABPBG02095
Occurrence Number: 117
Occurrence Last Updated: 1992-08-12

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 1991-07-11
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-07-11
Occurrence Rank: Fair
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
SOUTHERN AND WESTERN SLOPES OF PELICAN HILL, SE OF NEWPORT BEACH.

Detailed Location:
AT LEAST 5 INDIVIDUALS AND ONE PAIR WERE OBSERVED ON THE WESTERN AND SOUTHERN SLOPES OF PELICAN HILL.

Ecological:
HABITAT IS COASTAL SAGE SCRUB CONTAINING PRICKLY PEAR CACTUS.

Threats:
PROPOSED FOR DEVELOPMENT.

General:
5 INDIVIDUALS NOTED DURING FIELD SURVEYS; PAIR WAS OBSERVED MOST RECENTLY, ON 11 JULY 1991.

PLSS: T07S, R09W (S)
Accuracy: 3/5 mile
Area (acres): 0
UTM: Zone-11 N3716893 E421854
Latitude/Longitude: 33.58890 / -117.84216
Elevation (feet): 400

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
LSA91R0001 LSA ASSOCIATES, INC. - EIR: IRVINE COAST PLANNED COMMUNITY - PLANNING AREAS 1C & 11B (EIR NO. 528) 1991-10-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21133
EO Index: 21130
Key Quad: El Toro (3311766)
Element Code: ABPBG02095
Occurrence Number: 120
Occurrence Last Updated: 1992-08-14

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 1991-06-20
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-06-20
Occurrence Rank: Good
Owner/Manager: DOD-EL TORO MCAS
Trend: Unknown
Presence: Presumed Extant

Location:
SOUTHEASTERN PORTION OF THE EL TORO MARINE CORPS AIR STATION. ABOUT 2.75 MILES NORTHEAST OF THE JUNCTION OF I-5 & I-405.

Detailed Location:

Ecological:
THIS 50 ACRE SITE HAS SANDY WASH/RIPARIAN SCRUB ALONG BORREGO WASH GRADING INTO COASTAL SAGE SCRUB. ALSO SOME ELDERBERRY SAVANNA.

Threats:
EXTENSION OF ALTON PARKWAY.

General:
WRENS SEEN ON ALL 3 SURVEY DAYS (5/23, 6/13 & 6/20). THE MOST BIRDS (4) WERE SEEN ON 6/13. MOST WERE SEEN NEAR STANDS OF PRICKLY PEAR WITH 1 SEEN IN ELDERBERRY SAVANNA. GNATCATCHERS, ORANGE THROATED WHIPTAILS & COAST HORNED LIZARDS SEEN.

PLSS: T06S, R08W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3725493 E435543
Latitude/Longitude: 33.66738 / -117.69527
Elevation (feet): 550

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:
KEA91U0001 KEANE, K. - LETTER ON THE RESULTS OF A BIOLOGICAL SURVEY FOR THE PROPOSED EXTENSION OF ALTON PARKWAY IN ORANGE COUNTY. 1991-07-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21281
EO Index: 25075
Key Quad: El Toro (3311766)
Element Code: ABPBG02095
Occurrence Number: 123
Occurrence Last Updated: 1992-08-18

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 1991-06-20
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-06-20
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
SOUTH OF BORREGO CANYON, EAST OF EL TORO MARINE CORPS AIR STATION.

Detailed Location:

Ecological:
THE WREN PREFERS EXTENSIVE STANDS OF PRICKLY PEAR OR CHOLLA CACTUS WITHIN COASTAL SAGE SCRUB FOR NESTING AND ROOSTING SITES, ALTHOUGH IT WILL FORAGE IN A VARIETY OF ADJACENT HABITAT TYPES.

Threats:
THREATENED BY CONSTRUCTION OF THE PROPOSED EXTENSION OF ALTON PARKWAY.

General:
SURVEYS WERE CONDUCTED ON 13 AND 20 JUNE 1991; ALL SURVEYS WERE MADE FROM 7:30 AM TO 10:30 PM. CACTUS WRENS WERE OBSERVED ON BOTH SURVEY DAYS; 3 ON 13 JUNE AND TWO ON 20 JUNE.

PLSS: T06S, R08W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3726743 E437501
Latitude/Longitude: 33.67877 / -117.67424
Elevation (feet): 750

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:
KEA91U0002 KEANE, K.M. - HABITAT ASSESSMENT OF EL TORO MARINE CORPS PROPERTY (50 ACRES), PROPOSED FOR EXTENSION OF ALTON PARKWAY (MICHAEL BRANDMAN & ASSOCIATES) 1991-07-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21282
EO Index: 8378
Key Quad: El Toro (3311766)
Element Code: ABPBG02095
Occurrence Number: 124
Occurrence Last Updated: 1992-09-09

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 1990-09-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1990-09-24
Occurrence Rank: Good
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
AREA BETWEEN SIPHON RESERVOIR AND LOMA RIDGE, AND THE KNOLL WEST OF SIPHON RESERVOIR, NORTH OF EL TORO MCAS.

Detailed Location:
WRENS SEEN THROUGHOUT THIS SECTION OF THE EASTERN TRANSPORTATION CORRIDOR ALIGNMENT.

Ecological:
HIGH QUALITY SAGE SCRUB BY SIPHON RESERVOIR IN THE SOUTH. GRADES INTO PATCHES OF HIGH QUALITY SAGE SCRUB AND HEAVILY GRAZED GRASSLANDS.

Threats:
MOST OF THIS SITE IS WITHIN THE ALIGNMENT OF THE EASTERN TRANSPORTATION CORRIDOR.

General:
3 CACTUS WRENS FOUND SOUTHEAST OF SIPHON RESERVOIR IN 1989, 6 WERE FOUND HERE IN 1990. 4 OTHER CACTUS WRENS SEEN THROUGHOUT THE REMAINING AREA IN 1989. WRENS ALSO NOTED ON THE KNOLL WEST OF SIPHON RESERVOIR; OBSERVATION DATE UNKNOWN.

PLSS: T05S, R08W (S)
Accuracy: non-specific area
Area (acres): 950
UTM: Zone-11 N3732021 E433141
Latitude/Longitude: 33.72610 / -117.72167
Elevation (feet): 750

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

BEN91R0001 BENNER, M. ET AL. - DRAFT EIR/EIS FOR THE EASTERN TRANSPORTATION CORRIDOR 2 (P & D TECHNOLOGIES, ORANGE COUNTY) 1991-09-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 26713
EO Index: 29898
Key Quad: Laguna Beach (3311757)
Element Code: ABPBG02095
Occurrence Number: 136
Occurrence Last Updated: 1996-12-09

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 1993-11-21
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1993-11-21
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY, UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
SYCAMORE HILLS PARK.

Detailed Location:
BETWEEN LAGUNA CANYON ROAD AND EL TORO ROAD.

Ecological:
ONE OF THE ORANGE COUNTY SUPERPARK RESEARCH AREAS. PARTS OF THE SUPERPARK BURNED IN OCTOBER 1993.

Threats:

General:
DURING THE 1993 BREEDING SEASON 10 PAIRS OF CACTUS WRENS WERE FOUND. POST FIRE SURVEYS IN NOVEMBER 1993 FOUND 10 TERRITORIES WITH PAIRS OR FAMILY GROUPS AND 3 SINGLE BIRDS.

PLSS: T07S, R08W (S)
Accuracy: non-specific area
Area (acres): 611
UTM: Zone-11 N3717567 E430139
Latitude/Longitude: 33.59556 / -117.75294
Elevation (feet): 500

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

BON94R0001 BONTRAGER, D.R. - A PRELIMINARY ASSESSMENT OF THE EFFECTS OF THE OCTOBER 1993 LAGUNA BEACH FIRE ON CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATIONS IN THE ORANGE COUNTY SUPERPARK. 1994-01-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	20708	**EO Index:**	29895
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBG02095
Occurrence Number:	137	**Occurrence Last Updated:**	2004-01-16

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*

Common Name: coastal cactus wren

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G5T3Q

State: S2

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:

SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:

WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed:	1993-11-21	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1993-11-21	**Occurrence Rank:**	Good
Owner/Manager:	ORA CO-LAGUNA COAST WP, IRVINE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

LAGUNA LAUREL & NORTH LAGUNA LAUREL IN THE SAN JOAQUIN HILLS ON THE WEST SIDE OF LAGUNA CANYON ROAD.

Detailed Location:

THE DIVIDING LINE BETWEEN LAGUNA LAUREL & NORTH LAGUNA LAUREL IS THE IRVINE CORPORATE BOUNDARY LINE.

Ecological:

HABITAT IS MOSTLY HIGH QUALITY COASTAL SAGE SCRUB. MOST CACTUS WREN HABITAT IN LAGUNA LAUREL BURNED IN OCTOBER 1993. SOME HABITAT REMAINED IN NORTH LAGUNA LAUREL.

Threats:

THREATENED BY THE PROPOSED CONSTRUCTION OF THE SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR.

General:

LAGUNA LAUREL: 3 PRS BREEDING, 1991. 4 PRS & 1 SINGLE OBS IN 1993 BREEDING SEASON. NOV 1993 POST FIRE SURVEY FOUND 1 PR & 1 SINGLE. N LAGUNA LAUREL: 8 TERRITORES OBS IN 1993 BREEDING SEASON. POST FIRE SURVEY-OBS 6 TERRITORIES & 2 SINGLES.

PLSS:	T06S, R08W, Sec. 30 (S)	**Accuracy:**	specific area	**Area (acres):**	711
UTM:	Zone-11 N3720082 E429209	**Latitude/Longitude:**	33.61818 / -117.76316	**Elevation (feet):**	700

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757), Tustin (3311767)

Sources:

BON94R0001	BONTRAGER, D.R. - A PRELIMINARY ASSESSMENT OF THE EFFECTS OF THE OCTOBER 1993 LAGUNA BEACH FIRE ON CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATIONS IN THE ORANGE COUNTY SUPERPARK. 1994-01-XX
CHA91R0001	CHAMBERS GROUP, INC. - LAGUNA LAUREL BIOLOGICAL RESOURCES REPORT (FINAL) 1991-09-XX
ROB91F0008	ROBERTS, F. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS 1991-06-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02711	**EO Index:**	29890
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBG02095
Occurrence Number:	138	**Occurrence Last Updated:**	1996-12-20

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*

Common Name: coastal cactus wren

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G5T3Q

State: S2

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:

SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:

WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed:	1993-12-27	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1993-12-27	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY-MASON RP, PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAN JOAQUIN HILLS SURROUNDING SAND CANYON RESERVOIR, EAST OF UC IRVINE.

Detailed Location:

THIS AREA INCLUDES THE SAND CANYON RESERVOIR, SAND CANYON WASH, RIDGELINE, TURTLE ROCK-RIDGELINE, & TURTLE ROCK-RESERVOIR SUPERPARK STUDY RESEARCH AREAS.

Ecological:

HABITAT IS COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, & SALVIA MELLIFERA. PARTS OF THIS AREA BURNED IN OCTOBER 1993.

Threats:

THREATENED BY ONGOING URBAN DEVELOPMENT, AS MANY MAJOR HABITAT AREAS ARE OWNED BY LAND COMPANIES.

General:

THE AREA WAS SURVEYED DURING THE 1993 BREEDING SEASON & IN DECEMBER 1993. 42 BIRDS WERE FOUND BEFORE THE FIRE AND 39 BIRDS WERE FOUND AFTER THE FIRE.

PLSS:	T06S, R09W, Sec. 14 (S)	**Accuracy:**	1 mile	**Area (acres):**	0
UTM:	Zone-11 N3723471 E426389	**Latitude/Longitude:**	33.64855 / -117.79384	**Elevation (feet):**	300

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

BON94R0001 BONTRAGER, D.R. - A PRELIMINARY ASSESSMENT OF THE EFFECTS OF THE OCTOBER 1993 LAGUNA BEACH FIRE ON CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATIONS IN THE ORANGE COUNTY SUPERPARK. 1994-01-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	33814	**EO Index:**	29892
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBG02095
Occurrence Number:	139	**Occurrence Last Updated:**	2003-08-20

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*

Common Name: coastal cactus wren

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G5T3Q

State: S2

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:

SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:

WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed:	2001-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2001-XX-XX	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY, UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SHADY CANYON AND SHADY CANYON TRIBUTARY SUPERPARK STUDY RESEARCH AREAS. SAN JOAQUIN HILLS.

Detailed Location:

NATURE RESERVE OF ORANGE COUNTY (NROC) LAND.

Ecological:

COASTAL SAGE SCRUB. MOST OF THE AREA BURNED IN OCTOBER 1993. MOST OF THE HABITAT REMAINING AFTER THE FIRE WAS IN THE SHADY CANYON TRIBUTARY AREA (NORTHERN PART OF POLYGON) IN AREAS WITH DENSE STANDS OF CACTUS.

Threats:

THIS AREA IS CLOSE TO THE SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR.

General:

DURING A POST FIRE JANUARY 1994 SURVEY, A SMALL NUMBER OF WRENS WERE FOUND IN AREAS OF DENSE CACTUS THAT DID NOT BURN. HOWEVER, MANY NESTS WERE BURNED. 7 PAIRS OBSERVED DURING 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS:	T06S, R09W (S)	**Accuracy:**	specific area	**Area (acres):**	529
UTM:	Zone-11 N3720892 E426961	**Latitude/Longitude:**	33.62533 / -117.78746	**Elevation (feet):**	400

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757), Tustin (3311767)

Sources:

BON94R0001	BONTRAGER, D.R. - A PRELIMINARY ASSESSMENT OF THE EFFECTS OF THE OCTOBER 1993 LAGUNA BEACH FIRE ON CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATIONS IN THE ORANGE COUNTY SUPERPARK. 1994-01-XX
HAR01R0001	HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52153
EO Index: 52153
Key Quad: Laguna Beach (3311757)
Element Code: ABPBG02095
Occurrence Number: 157
Occurrence Last Updated: 2003-08-19

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
WEST SLOPE OF MUDDY CANYON, 1.8 MILES NE OF CRYSTAL COVE, SAN JOAQUIN HILLS; 2.5 MILES WEST OF NEWPORT BEACH.

Detailed Location:

Ecological:
HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:
2 PAIRS OBSERVED SOMETIME DURING 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T07S, R09W, Sec. 03 (S)
Accuracy: non-specific area
Area (acres): 54
UTM: Zone-11 N3717125 E424327
Latitude/Longitude: 33.59116 / -117.81553
Elevation (feet): 800

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52154	**EO Index:**	52154
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBG02095
Occurrence Number:	158	**Occurrence Last Updated:**	2003-08-19

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*

Common Name: coastal cactus wren

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G5T3Q

State: S2

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:

SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:

WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed:	2001-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2001-XX-XX	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

NEAR RIDGE BETWEEN MUDDY CANYON AND MORO CANYON, SAN JOAQUIN HILLS; 1.7 MILES ENE OF CRYSTAL COVE.

Detailed Location:

WEST SIDE OF DIRT ROAD.

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

1 PAIR OBSERVED SOMETIME DURING 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS:	T07S, R09W, Sec. 10 (S)	**Accuracy:**	1/10 mile	**Area (acres):**	0
UTM:	Zone-11 N3716184 E424531	**Latitude/Longitude:**	33.58270 / -117.81325	**Elevation (feet):**	500

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52155
EO Index: 52155
Key Quad: Laguna Beach (3311757)
Element Code: ABPBG02095
Occurrence Number: 159
Occurrence Last Updated: 2003-08-19

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
WEST SIDE OF EMERALD CANYON, ABOUT 0.3 MILE NORTH OF EMERALD BAY; JUST NW OF LAGUNA BEACH.

Detailed Location:

Ecological:
HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:
3 PAIRS OBSERVED SOMETIME DURING 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T07S, R09W, Sec. 15 (S)
Accuracy: non-specific area
Area (acres): 58
UTM: Zone-11 N3713551 E425013
Latitude/Longitude: 33.55898 / -117.80783
Elevation (feet): 500

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52156
EO Index: 52156
Key Quad: Laguna Beach (3311757)
Element Code: ABPBG02095
Occurrence Number: 160
Occurrence Last Updated: 2003-08-19

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
MIDWAY BETWEEN EMERALD CANYON AND BOAT CANYON, ALONG THE NORTH EDGE OF LAGUNA BEACH.

Detailed Location:

Ecological:
HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:
1 PAIR OBSERVED SOMETIME DURING 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T07S, R09W, Sec. 22 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3712905 E425853
Latitude/Longitude: 33.55321 / -117.79873
Elevation (feet): 550

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52157
EO Index: 52157
Key Quad: Laguna Beach (3311757)
Element Code: ABPBG02095
Occurrence Number: 161
Occurrence Last Updated: 2003-08-19

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
AREA BETWEEN BOAT CANYON AND LAGUNA CANYON, JUST NORTH OF LAGUNA BEACH.

Detailed Location:

Ecological:
HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:
3 PAIRS OBSERVED SOMETIME DURING 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T07S, R09W, Sec. 23 (S)
Accuracy: non-specific area
Area (acres): 55
UTM: Zone-11 N3712611 E426880
Latitude/Longitude: 33.55063 / -117.78765
Elevation (feet): 350

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52159	**EO Index:**	52159
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBG02095
Occurrence Number:	162	**Occurrence Last Updated:**	2003-08-19

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*

Common Name: coastal cactus wren

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G5T3Q

State: S2

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:

SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:

WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed:	2001-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2001-XX-XX	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

1 MILE EAST OF COYOTE CANYON TO JUST EAST OF BOMMER CANYON, APPROXIMATELY 3 MILES NE OF NEWPORT BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

10 PAIRS AND 4 SINGLES OBSERVED SOMETIME DURING 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS:	T06S, R09W, Sec. 27 (S)	**Accuracy:**	non-specific area	**Area (acres):**	367
UTM:	Zone-11 N3719914 E425463	**Latitude/Longitude:**	33.61640 / -117.80351	**Elevation (feet):**	600

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757), Tustin (3311767)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53556
EO Index: 53556
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBG02095
Occurrence Number: 170
Occurrence Last Updated: 2003-12-12

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 1993-04-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1993-04-01
Occurrence Rank: Good
Owner/Manager: PVT-MISSION VIEJO CO
Trend: Unknown
Presence: Presumed Extant

Location:
WEST SIDE OF ARROYO TRABUCO, 1.2 MILES ENE OF THE INTERSECTION OF CROWN VALLEY PARKWAY AND I-5, SSE OF MISSION VIEJO.

Detailed Location:
LOCATED AT THE BOTTOM OF SLOPE AT THE END OF RETERIO ROAD.

Ecological:
HABITAT CONSISTS OF FLOODPLAIN SAGE SCRUB, NON-NATIVE GRASSES (AVENA, BROMUS, VULPIA) & BRASSICA. DOMINANTS: ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA & SALVIA MELLIFERA. RUDERAL ON TOPS OF THE BLUFFS. HOUSING TO SW, MINING TO NE.

Threats:

General:
1 PAIR NESTING ON 1 APR 1993. AREA WHERE BIRDS SEEN IS ZONED AS OPEN SPACE. SITE COULD BE PROTECTED IF SAND & GRAVEL OPERATION IS NOT ALLOWED TO EXPAND FURTHER.

PLSS: T07S, R07W, Sec. 18, NW (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3713968 E439396
Latitude/Longitude: 33.56366 / -117.65293
Elevation (feet): 380

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756)

Sources:
HEF93F0008 HEFFLEY, C. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS COUESI (SANDIEGENSIS) 1993-04-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53557
EO Index: 53557
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBG02095
Occurrence Number: 171
Occurrence Last Updated: 2003-12-15

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 1997-04-15
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1997-04-15
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
O'HILL SITE IN LAGUNA NIGUEL, SOUTH OF SAN JUAN CANYON, 1.6 MILES WEST OF THE INTERSECTION OF I-5 & STATE ROUTE 74.

Detailed Location:
LOCATED SOUTH OF GOLDEN LANTERN DRIVE.

Ecological:
HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB (ARTEMISIA CALIFORNICA W/ SAMBUCAS MEXICANA, HETEROMELES ARBUTIFOLIA & MALOSMA LAURINA INTERSPERSED), NATIVE GRASSLAND & NON-NATIVE GRASSLAND.

Threats:

General:
CACTUS WREN OBSERVED AT 1 LOCATION SOMETIME DURING FOCUSED CALIFORNIA GNATCATCHER SURVEYS CONDUCTED ON 26 MAR AND 7, 15 APR 1997.

PLSS: T08S, R08W, Sec. 02, S (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3707300 E436286
Latitude/Longitude: 33.50334 / -117.68595
Elevation (feet): 625

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756)

Sources:
MER97U0002 MERKEL & ASSOCIATES, INC. - O'HILL PROPERTY SURVEYS. 1997-05-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	53563	**EO Index:**	53563
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBG02095
Occurrence Number:	172	**Occurrence Last Updated:**	2003-12-15

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*

Common Name: coastal cactus wren

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G5T3Q

State: S2

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:

SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:

WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed:	1991-09-13	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1991-09-13	**Occurrence Rank:**	Good
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

VICINITY OF AREA BETWEEN ROUND CANYON AND AGUA CHINON WASH, APPROXIMATELY 3 MILES NORTH OF EL TORO.

Detailed Location:

"FOOTHILLS OF THE SANTA ANA MOUNTAINS JUST NORTH OF AGUA CHINON WASH AND EAST OF AN OLD QUARRY. SIGHTING OCCURRED IN A SMALL EAST/WEST DRAINAGE."

Ecological:

HABITAT CONSISTS OF A MIX A COASTAL SAGE SCRUB AND SOUTHERN CACTUS SCRUB IN A SMALL DRAINAGE.

Threats:

THREATENED BY PROPOSED DEVELOPMENT.

General:

1 INDIVIDUAL HEARD CALLING IN THE LARGE CACTUS PATCHES.

PLSS:	T05S, R08W, Sec. 26 (S)	**Accuracy:**	4/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3729744 E436673	**Latitude/Longitude:**	33.70578 / -117.68338	**Elevation (feet):**	780

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

SCH91F0025 SCHROEDER, M. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS COUESI (SANDIEGENSIS) 1991-09-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53939
EO Index: 53939
Key Quad: Tustin (3311767)
Element Code: ABPBG02095
Occurrence Number: 187
Occurrence Last Updated: 2004-01-15

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*
Common Name: coastal cactus wren

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T3Q
State: S2
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:
SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:
WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed: 2003-05-21
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-05-21
Occurrence Rank: Excellent
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
S OF DRAINAGE TO SAN DIEGO CREEK, APPROX 0.4 MI SE OF LAGUNA RESERVOIR, NW OF LAGUNA HILLS.

Detailed Location:
FEATURE MAPPED ACCORDING TO UTM COORDINATES.

Ecological:
HABITAT CONSISTS OF COASTAL SAGE SCRUB. SURROUNDING LAND IS OPEN SPACE.

Threats:
DEVELOPMENT.

General:
1 BREEDING PAIR OBSERVED ON 21 MAY 2003.

PLSS: T06S, R08W, Sec. 19, SE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3721915 E430178
Latitude/Longitude: 33.63477 / -117.75286
Elevation (feet): 350

County Summary:
Orange

Quad Summary:
Tustin (3311767)

Sources:
GAL03F0011 GALVIN, P. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS 2003-05-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	56322	**EO Index:**	56338
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBG02095
Occurrence Number:	191	**Occurrence Last Updated:**	2004-08-04

Scientific Name: *Campylorhynchus brunneicapillus sandiegensis*

Common Name: coastal cactus wren

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G5T3Q

State: S2

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive
USFWS_BCC-Birds of Conservation Concern

General Habitat:

SOUTHERN CALIFORNIA COASTAL SAGE SCRUB.

Micro Habitat:

WRENS REQUIRE TALL OPUNTIA CACTUS FOR NESTING AND ROOSTING.

Last Date Observed:	1993-04-09	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1993-04-09	**Occurrence Rank:**	Fair
Owner/Manager:	PVT-IRVINE CO	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SOUTH OF BONITA RESERVOIR AND BORDERED BY FORD ROAD TO THE SOUTH, EAST OF NEWPORT BEACH.

Detailed Location:

NORTH FACING SLOPE. FORMERLY ELEMENT OCCURRENCE #176.

Ecological:

HABITAT IS SOUTHERN COASTAL BLUFF SCRUB. PLANTS INCLUDE RHUS INTEGRIFOLIA, OPUNTIA SPP., ENCELIA CALIFORNICA, ARTEMISIA CALIFORNICA, DUDLEYA MULTICAULIS, ERIOGONUM FASCICULATUM, VULPIA, BROMUS & STIPA LEPIDA. SURROUNDED BY DEVELOPMENT.

Threats:

DEVELOPMENT.

General:

1 ADULT OBSERVED FORAGING ON 9 APR 1993. SITE TO BE DEVELOPED TO ACCOMDATE A CHURCH. CHURCH SITE FOOTPRINT RE-DESIGNED TO AVOID AREA WHERE WREN WAS OBSERVED. 2 ACRES TO BE PRESERVED BUT UNLIKELY ADEQUATE TO SUPPORT POPULATION IN PERPETUITY.

PLSS:	T06S, R09W, Sec. 20, SW (S)	**Accuracy:**	1/10 mile	**Area (acres):**	0
UTM:	Zone-11 N3721284 E421286	**Latitude/Longitude:**	33.62846 / -117.84867	**Elevation (feet):**	200

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

HEF93F0009 HEFFLEY, C. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS 1993-04-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02647	**EO Index:**	8924
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBJ08081
Occurrence Number:	42	**Occurrence Last Updated:**	2021-06-02

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2021-05-20	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2021-05-20	**Occurrence Rank:**	Fair
Owner/Manager:	UC-IRVINE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

UC IRVINE ECOLOGICAL PRESERVE, N SIDE OF HWY 73 BETWEEN BISON AVE & BONITA CYN DR, E OF NEWPORT BEACH, VICINITY IRVINE.

Detailed Location:

REMNANT POPULATION IN THE COASTAL SAGE SCRUB HABITAT WITHIN THE OPEN SPACE RESERVE (AKA THE IRVINE ECOLOGICAL PRESERVE).

Ecological:

THE RESERVE COMPRISES ABOUT 62 ACRES. 40% IS COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND OPUNTIA LITTORALIS. THE REMAINING AREA IS DEGRADED OPEN GRASSLAND WITH PATCHES OF ANNUAL MUSTARD.

Threats:

THREATENED BY ONGOING URBAN DEVELOPMENT, INCLUDING CAMPUS EXPANSION AND THE SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR.

General:

1980: 3-4 INDIV OBS (3-6 PRS EST). 1991: 4 PRS INTENSIVELY STUDIED & AT LEAST 12 YOUNG FLEDGED. 2003: 9 PRS & 14 JUV. 2002: 10 PRS. 2006: 7 PRS. DETECTED, 2012. 2014: 5 PRS & 4+ FLDG. 2017: 12 ADULTS. 21 DETECTIONS, 2018. 2021: 1 PR W/NEST.

PLSS:	T06S, R09W, Sec. 20, W (S)	**Accuracy:**	non-specific area	**Area (acres):**	89
UTM:	Zone-11 N3722146 E421506	**Latitude/Longitude:**	33.63625 / -117.84638	**Elevation (feet):**	233

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

ATW80U0001	ATWOOD, J.L. - CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX
GAL03F0013	GALVIN, P. - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS 2003-05-29
HAR02R0002	HARMSWORTH ASSOCIATES - FINAL REPORT ON AVIAN SURVEYS AT THE UC NATURAL RESERVE SYSTEM'S SAN JOAQUIN MARSH RESERVE AND ECOLOGICAL PRESERVE 2002-11-XX
HAR06R0004	HARMSWORTH ASSOCIATES - REPORT ON CALIFORNIA GNATCATCHER AND CACTUS WREN 2005 SURVEYS AT THE UCI ECOLOGICAL PRESERVE 2006-01-XX
KAM14D0001	KAMADA, D. - TABULAR RECODS FOR CACTUS WREN AND CALIFORNIA GNATCATCHER DETECTED DURING 2014 NATURE RESERVE OF ORANGE CO CACTUS SCRUB RESTORATION ASSESSMENT STUDY [SC-001360] 2014-XX-XX
KAM14F0014	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2014-05-02
KAM18D0001	KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX
KUS12D0002	KUS, B. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR NETTED CALIFORNIA GNATCATCHER LOCATIONS DURING NON-PROTOCOL SURVEYS IN 2012 2012-XX-XX
LEA17F0006	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001562] 2017-04-05
MAC91R0001	MACMILLEN, R.E. ET AL. - "STATUS REPORT ON A POP. OF THE CA GNATCATCHER INHABITING THE OPEN SPACE RESERVE ON THE CAMPUS OF THE UNIV. OF CA, IRVINE" (UC IRVINE, DEPT. OF ECOLOGY & EVOLUTIONARY BIOLOGY) 1991-XX-XX
SCH21F0005	SCHERSON, S. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2021-05-20
VAN19A0001	VANDERGAST, A. ET AL. - DISTINGUISHING RECENT DISPERSAL FROM HISTORICAL GENETIC CONNECTIVITY IN THE COASTAL CALIFORNIA GNATCATCHER. SCIENTIFIC REPORTS 9:1355. 2019-02-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	33823	**EO Index:**	29891
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBJ08081
Occurrence Number:	43	**Occurrence Last Updated:**	2021-06-23

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-04-15	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-15	**Occurrence Rank:**	Good
Owner/Manager:	ORA CNTY, PVT, CITY OF IRVINE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAN JOAQUIN HILLS SURROUNDING SAND CANYON RESERVOIR, EAST OF UC IRVINE.

Detailed Location:

THIS AREA INCLUDES THE SAND CANYON RESERVOIR, SAND CANYON WASH, RIDGELINE, TURTLE ROCK-RIDGELINE, & TURTLE ROCK-RESERVOIR SUPERPARK STUDY RESEARCH AREAS. ALSO INCLUDES STRAWBERRY FARMS GOLF COURSE.

Ecological:

HABITAT WAS HIGHLY DISTURBED TO HIGH QUALITY COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM & SALVIA MELLIFERA. PARTS OF THIS AREA BURNED IN OCT1993. AREA BETWEEN SAND CYN RES & RIDGELINE DR DEVELOPED.

Threats:

THREATENED BY URBAN DEVELOPMENT. BROWN-HEADED COWBIRDS PRESENT.

General:

'80: 8IND (20-30PR EST). '88: 4AD. '91: 2PR. '93:27PR & 8IND. '94: 5IND & 2PR. '95:33PR. '96: 23PR. '97: 22PR. '98: 33PR & 2IND. '00:NONE. '01:14PR & 18 IND. '06: 1AD. '09:OBS.'15:1PR. '16: 15PR & 6IND. '17: 1PR & 1IND. '19: 1IND. '20: OBS.

PLSS:	T06S, R09W, Sec. 14 (S)	**Accuracy:**	non-specific area	**Area (acres):**	886
UTM:	Zone-11 N3723544 E426171	**Latitude/Longitude:**	33.64919 / -117.7962	**Elevation (feet):**	149

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

ATW80U0001	ATWOOD, J.L. - CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX
ATW99R0001	ATWOOD, J. ET AL. - POPULATION DYNAMICS, DISPERSAL AND DEMOGRAPHY OF CALIFORNIA GNATCATCHERS IN ORANGE CO., CALIFORNIA (1998 PROGRESS REPORT) 1999-02-06
BAR06F0048	BARONI, I. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2006-07-25
BAR06U0001	BARONI, I. (LSA ASSOCIATES, INC.) - SOUTHWESTERN WILLOW FLYCATCHER AND LEAST BELL'S VIREO SURVEYS, APRIL 30 TO JUL 25, 2006, UNIVERSITY/RIDGELINE STORM DRAIN IMPROVEMENT PROJECT, CITY OF IRVINE, ORANGE COUNTY, CA 2006-09-29
BON94R0001	BONTRAGER, D.R. - A PRELIMINARY ASSESSMENT OF THE EFFECTS OF THE OCTOBER 1993 LAGUNA BEACH FIRE ON CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATIONS IN THE ORANGE COUNTY SUPERPARK. 1994-01-XX
BON95F0004	BONTRAGER, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1995-XX-XX
BON97F0003	BONTRAGER, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1997-XX-XX
DEL20F0013	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-04-15
DUD02U0009	DUDEK & ASSOCIATES, INC. - FOCUSED CALIFORNIA GNATCATCHER SURVEY AT TURTLE ROCK/STRAWBERRY FARMS, ORANGE COUNTY, CALIFORNIA 2002-01-29
EAA91R0001	ED ALMANZA & ASSOCIATES - A PRELIMINARY ASSESSMENT OF GNATCATCHER HABITAT SUITABILITY IN THE COUNTY OF ORANGE PARKS SYSTEM. 1991-07-XX
GRI00F0003	GRIFFITH, J. (GRIFFITH WILDLIFE BIOLOGY) - FIELD SURVEY FORM FOR EMPIDONAX TRAILLII EXTIMUS & POLIOPTILA CALIFORNICA CALIFORNICA & VIREO BELLII PUSILLUS 2000-07-31
GRI00R0003	GRIFFITH, J. & J. GRIFFITH (GRIFFITH WILDLIFE BIOLOGY) - THE STATUS OF THE LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER AT STRAWBERRY FARMS GOLF COURSE IN 2000 2000-08-01
GRI01R0004	GRIFFITH WILDLIFE BIOLOGY - THE STATUS OF THE LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER AT STRAWBERRY FARMS GOLF COURSE. 2001-10-08
GRI96R0002	GRIFFITH WILDLIFE BIOLOGY (GRIFFITH WILDLIFE BIOLOGY) - 1995 SAN JOAQUIN HILLS BURN AREA CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN STUDY 1996-03-11
GRI97U0002	GRIFFITH, J. (GRIFFITH WILDLIFE BIOLOGY) - LETTER OF 1997 BROWN-HEADED COWBIRD AND LEAST BELL'S VIREO SURVEY AND MONITORING SUMMARIES 1997-08-04
GRI99F0004	GRIFFITH, J. (GRIFFITH WILDLIFE BIOLOGY) - FIELD SURVEY FORM FOR EMPIDONAX TRAILLII EXTIMUS & POLIOPTILA CALIFORNICA CALIFORNICA & VIREO BELLII PUSILLUS 1999-07-31
HAM09F0005	HAMILTON, R. (HAMILTON BIOLOGICAL, INC.) - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS & POLIOPTILA CALIFORNICA CALIFORNICA 2009-01-28
HAM09F0006	HAMILTON, R. (HAMILTON BIOLOGICAL, INC.) - FIELD SURVEY FORM FOR CAMPYLORHYNCHUS BRUNNEICAPILLUS SANDIEGENSIS & POLIOPTILA CALIFORNICA CALIFORNICA 2009-01-28
HAM19D0001	HAMILTON, R. ET AL. - SHAPEFILE OF SPECIAL STATUS SPECIES COMPILED BY MELANIE SCHLOTTERBECH AND FRIENDS OF HARBORS, BEACHES AND PARKS IN ORANGE AND SAN BERNARDINO COUNTIES, 1989-2019. 2019-10-28
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
MES15R0001	MESSETT, L. (BONTERRA CONSULTING) - RESULTS OF FOCUSED BREEDING SEASON PRESENCE/ABSENCE SURVEYS FOR COASTAL CALIFORNIA GNATCATCHER FOR THE CONCORDIA UNIVERSITY UPDATE TO THE MASTER BUILD-OUT PLAN PROJECT IN ORANGE CO 2015-08-19
MUL16R0003	MULLEN, K. (DUDEK AND ASSOCIATES) - RESULTS OF THE 2016 COASTAL CALIFORNIA GNATCATCHER FOCUSED SURVEYS FOR THE TURTLE ROCK RESOURCE AND RECREATION MANAGEMENT PLAN, ORANGE COUNRTY, CALIFORNIA 2016-08-09
SCH88F0012	SCHEIDT, V.N. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1988-02-23
TAY94U0005	TAYLOR, S. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. AT SAND CANYON WASH. 1994-XX-XX
TEN17F0031	TENNANT, S. (PSOMAS ENGINEERING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2017-05-26
TEN17R0001	TENNANT, S. (PSOMAS ENGINEERING) - RESULTS OF FOCUSED BREEDING SEASON PRESENCE/ABSENCE SURVEYS FOR COASTAL CALIFORNIA GNATCATCHER FOR THE CONCORDIA UNIVERSITY CUP MODIFICATION/ZONE CHANGE AND CAMPUS MASTER BUILD-OUT 2017-06-15
TEN17R0003	TENNANT, S. (PSOMAS ENGINEERING) - RESULTS OF PRE-CONSTRUCTION SURVEYS FOR LEAST BELL'S VIREO FOR THE CONCORDIA UNIVERSITY CUP MODIFICATION/ZONE CHANGE & CAMPUS MASTER BUILD-OUT PLAN UPDATE PROJECT IN ORANGE COUNTY 2017-06-15

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02619	**EO Index:**	25104
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBJ08081
Occurrence Number:	44	**Occurrence Last Updated:**	2021-06-21

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-04-14	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-14	**Occurrence Rank:**	Good
Owner/Manager:	PVT-IRVINE CO	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALONG BONITA CREEK, NORTHWEST OF BONITA CANYON DR AND SOUTH OF UNIVERSITY DR, IRVINE.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB AND RIPARIAN HABITAT. SURROUNDING AREA CONSISTS OF URBAN LAND. AREA IMMEDIATELY SOUTH OF SITE AND HIGHWAY 73 ALONG THE NORTH WAS DEVELOPED IN 1990S.

Threats:

DEVELOPMENT, HABITAT MAY BE TOO SMALL TO SUPPORT BREEDING POP, ROAD CONSTRUCTION/MODIFICATIONS, BROWN-HEADED COWBIRDS.

General:

1980: 2 PAIRS OBSERVED; 3-6 PAIRS EST. 1993: 1 BIRD. 1997: 45+ ADULTS & 55+ JUV. 2000: 17 PAIRS. 2002: DETECTED. 2011: 1 MALE. 2015: 12 PAIRS (4W/YOUNG) & 4 INDIV. 2017: 2 PAIRS W/JUV. 2018: 1 ADULT. 2019: 1 ADULT. 2020: 4 ADULTS & 3 JUV.

PLSS:	T06S, R09W, Sec. 19 (S)	**Accuracy:**	non-specific area	**Area (acres):**	200
UTM:	Zone-11 N3722115 E420658	**Latitude/Longitude:**	33.6359 / -117.85552	**Elevation (feet):**	70

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

AND19F0014	ANDERSON, S. & A. SPENCER - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2019-08-23
ATW80U0001	ATWOOD, J.L. - CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX
BON00F0001	BONTRAGER, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2000-07-20
ERI17R0006	ERICKSON, R. (LSA ASSOCIATES, INC.) - COASTAL CALIFORNIA GNATCATCHER PROTOCOL SURVEY RESULTS: APRIL 26, 2017 TO JUNE 22, 2017, STATE ROUTE 73 (SR-73) SOUTHBOUND MACARTHUR BOULEVARD OFF-RAMP WIDENING PROJECT. 2017-07-27
ERI97F0004	ERICKSON, R. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1997-11-XX
HAR02R0001	HARMSWORTH ASSOCIATES - LEAST BELL'S VIREO MONITORING REPORT FOR BONITA CREEK 2002 2002-09-XX
HEF93F0004	HEFFLEY, C. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1993-04-09
HEN15U0003	HENRY, R. ET AL. (DUDEK AND ASSOCIATES) - RESULTS 2015 LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER FOCUSED SURVEYS FOR THE METROPOLITAN WATER DISTRICT ORANGE COUNTY OPERATING REGION'S DISTRIBUTION SYSTEM PROJECT. 2015-09-04
JAM04U0002	JAMES, R. (CALIFORNIA DEPARTMENT OF TRANSPORTATION) - 45-DAY REPORT FOR CALTRANS' STATE ROUTE 73 - POSITIVE FINDINGS. 2004-01-26
KAM11F0023	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2011-03-22
KAM18D0001	KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX
LEA15U0001	LEATHERMAN BIOCONSULTING, INC. - RESULTS OF FOCUSED SURVEYS LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER FOR THE PROPOSED TRAIL ADJACENT TO BONITA CHANNEL. 2015-08-10
SNI15D0001	SNIBBE, J. - TABLE OF COASTAL CALIFORNIA GNATCATCHER DETECTIONS AT BONITA CHANNEL. 2015-06-XX
SNI15R0001	SNIBBE, J. - RESULTS OF NON-PROTOCOL FOCUSED SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER FOR THE PROPOSED TRAIL ADJACENT TO BONITA CHANNEL IN SOUTHERN ORANGE COUNTY, CA. 2015-08-06
WOO20F0010	WOODARD, D. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-04-14

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02652	**EO Index:**	25103
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	48	**Occurrence Last Updated:**	2021-06-24

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Excellent
Owner/Manager:	PVT, UNKNOWN, ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

E OF BONITA RESERVOIR & SAN JOAQUIN RESERVOIR, EXTENDING E PAST COYOTE CYN TO SIGNAL PK; SAN JOAQUIN HILLS, IRVINE.

Detailed Location:

SITE IS BISECTED BY THE SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR (HIGHWAY 73).

Ecological:

COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND AND MARSHES. PORTION OF AREA BURNED IN 1993 (LAGUNA BEACH FIRE). SITE INCLUDES FORMER COYOTE CANYON LANDFILL.

Threats:

THREATENED BY ONGOING URBAN DEVELOPMENT, LANDFILL SITE MAINTENANCE, HIGHWAY 73 CONSTRUCTION/MODIFICATIONS.

General:

20-30 PRS EST IN '80 STUDY. '80S:1PR. '95: 1PR, 1IND & JUV. '99: 13DET. '00: 5DET. '01: 3IND & 25PR. '02: 20DET. '03: 8 DET. '04: 15 DET, 3PR, 4JUV. '08: 5AD & 5+JUV. '11: 2PR. '12: 8AD. NONE, '17. DET, '13, '16, & '20. '19: 47AD & 8JUV.

PLSS:	T06S, R09W, Sec. 27 (S)	**Accuracy:**	non-specific area	**Area (acres):**	1,211
UTM:	Zone-11 N3719945 E424431	**Latitude/Longitude:**	33.6166 / -117.81465	**Elevation (feet):**	781

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757), Tustin (3311767)

Sources:

ATW80U0001	ATWOOD, J.L. - CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX
DEL19F0005	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2019-03-18
DEL20F0013	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-04-15
DEL20F0014	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-04-15
ERI08U0001	ERICKSON, R. (LSA ASSOCIATES, INC.) - LEAST BELL'S VIREO AND COASTAL CALIFORNIA GNATCATCHER SURVEY RESULTS, BOMMER CANYON, ORANGE COUNTY, CALIFORNIA 2008-11-21
FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
GRI96R0002	GRIFFITH WILDLIFE BIOLOGY (GRIFFITH WILDLIFE BIOLOGY) - 1995 SAN JOAQUIN HILLS BURN AREA CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN STUDY 1996-03-11
HAM19D0001	HAMILTON, R. ET AL. - SHAPEFILE OF SPECIAL STATUS SPECIES COMPILED BY MELANIE SCHLOTTERBECH AND FRIENDS OF HARBORS, BEACHES AND PARKS IN ORANGE AND SAN BERNARDINO COUNTIES, 1989-2019. 2019-10-28
HAR01R0001	HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX
JOH17R0003	JOHNSTON, A. ET AL. (PSOMAS ENGINEERING) - RESULTS OF PRECONSTRUCTION COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR TOLLBOOTH REMOVAL ACTIVITIES, ORANGE COUNTY, CALIFORNIA 2017-07-11
KAM11F0023	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2011-03-22
KUS13D0002	KUS, B. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR POLIOPTILA CALIFORNICA CALIFORNICA 2013-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX
PAY04U0001	PAYNE, T. - SUMMARY OF BIOLOGICAL MONITORING SURVEYS FOR THE CALIFORNICA GNATCATCHER CALTRANS CONSTRUCTION PROJECTS STATE ROUTE 73 (SAN JOAQUIN HILLS TOLL ROAD). 2004-03-09
PRC84R0001	PRC ENGINEERING, INC. - SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR BIOLOGICAL RESOURCE ANALYSIS 1984-04-11
QUO12U0002	QUON, I. (LSA ASSOCIATES, INC.) - PROTOCOL COASTAL CALIFORNIA GNATCATCHER SURVEY RESULTS, STATE ROUTE 73 SEDIMENTATION PROJECT. 2012-06-15
SHA19F0026	SHAFFER, S. (ECORP CONSULTING, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2019-05-28
VAN19A0001	VANDERGAST, A. ET AL. - DISTINGUISHING RECENT DISPERSAL FROM HISTORICAL GENETIC CONNECTIVITY IN THE COASTAL CALIFORNIA GNATCATCHER. SCIENTIFIC REPORTS 9:1355. 2019-02-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7438	**EO Index:**	1275
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	50	**Occurrence Last Updated:**	2021-06-11

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Excellent
Owner/Manager:	DPR-CRYSTAL COVE SP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

BETWEEN CAMEO SHORES (GOLF COURSE) & 0.5 MILE SOUTH OF REEF POINT, WEST OF HWY 1, BETWEEN NEWPORT BEACH & LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT CONSISTS OF COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, ATRIPLEX LENTIFORMES, SALVIA MELLIFERA, ENCELIA CALIFORNICA, AND HAPPLOPAPPUS SPP.

Threats:

THREATENED BY SURROUNDING ONGOING URBAN DEVELOPMENT & RESULTING GEOGRAPHIC ISOLATION.

General:

'80: 5-10PR EST. '90:1AD. '91:12 PR. '92:14 PR & 1 INDIV. '93: 20-22 PR. '94:41-44 PR. '95:22 PR & 3IND. '97: 9PR. '98: 12PR. '99: 13OBS. '00: 19OBS. '01: 42OBS. '02: 44OBS. '03:2 PR, 2IND, & 25OBS. '04:26OBS. '13:3 PR. OBS '16, '17, & '20.

PLSS:	T07S, R09W, Sec. 8 (S)	**Accuracy:**	non-specific area	**Area (acres):**	246
UTM:	Zone-11 N3715711 E421467	**Latitude/Longitude:**	33.5782 / -117.84623	**Elevation (feet):**	94

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

ATW80U0001	ATWOOD, J.L. - CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX
ATW99R0001	ATWOOD, J. ET AL. - POPULATION DYNAMICS, DISPERSAL AND DEMOGRAPHY OF CALIFORNIA GNATCATCHERS IN ORANGE CO., CALIFORNIA (1998 PROGRESS REPORT) 1999-02-06
BON97F0005	BONTRAGER, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1997-XX-XX
DEL16D0001	DELUNA, A. - TABLE OF LOCATIONS FOR CALIFORNIA GNATCATCHER TERRITORIES [SC-012609]. 2016-XX-XX
DEL17F0075	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA, INCLUDING KMZ OF DETECTIONS [SC-012609] 2017-04-26
KEL90S0002	KELLER, G. - CLO #50159 COLLECTED FROM NEWPORT BEACH; PELICAN POINT STATE PARK 1990-05-15
KUS13D0002	KUS, B. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR POLIOPTILA CALIFORNICA CALIFORNICA 2013-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
MIN03R0001	MINER, K. ET AL. (CALIFORNIA DEPARTMENT OF PARKS AND RECREATION) - 45-DAY REPORT FOR A CALIFORNIA GNATCATCHER SURVEY FOR THE CRYSTAL COVE STATE PARK- REHABILITATE HISTORIC COTTAGES AND INFRASTRUCTURE PROJECT. PERMIT #TE-814222-4 2003-12-29
NEW94F0003	NEWKIRK, T. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1994-XX-XX
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX
PLU94F0001	PLUFF, K.L. (CALIFORNIA DEPARTMENT OF PARKS AND RECREATION-CRYSTAL COVE SP) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1994-07-XX
PLU95M0001	PLUFF, K.L. (CALIFORNIA DEPARTMENT OF PARKS AND RECREATION-CRYSTAL COVE SP) - MAP DETAILING AREA CENSURED FOR CAGN, FROM 1991-1995, INCLUDING PAIRS AND SINGLE MALES OBSERVED. 1995-XX-XX
SHA13R0001	SHAFFER, S. (ECORP CONSULTING, INC.) - 45-DAY RESULTS SUMMARY OF RESULTS OF 2013 COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR THE CRYSTAL COVE STATE PARK HISTORIC DISTRICT PROJECT IN THE CITY OF NEWPORT BEACH, ORANGE CO 2013-07-15
SWE92R0001	SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. - CALIFORNIA GNATCATCHER PATCH STUDY, SAN DIEGO, CA 1992-08-13
TAY94U0006	TAYLOR, S. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. AT BUCK GULLY/PELICAN POINT. 1994-XX-XX
VAN19A0001	VANDERGAST, A. ET AL. - DISTINGUISHING RECENT DISPERSAL FROM HISTORICAL GENETIC CONNECTIVITY IN THE COASTAL CALIFORNIA GNATCATCHER. SCIENTIFIC REPORTS 9:1355. 2019-02-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	33812	**EO Index:**	732
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	51	**Occurrence Last Updated:**	2021-06-11

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2018-04-03	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2018-04-03	**Occurrence Rank:**	Good
Owner/Manager:	PVT, UNKNOWN	**Trend:**	Decreasing
Presence:	Presumed Extant		

Location:

VICINITY OF PELICAN HILL, SOUTH OF BUCK GULLY AND NORTHWEST OF NEWPORT COAST DR, SE OF NEWPORT BEACH.

Detailed Location:

Ecological:

REMAINING HABITAT PRIMARILY CSS W/ PATCHES OF CHAPARRAL. OPEN SPACE (CENTRAL PORTION) SET ASIDE FOR RECREATION/PRESERVATION (1991). PATCHES OF HABITAT EXIST WITHIN GOLF COURSE (SW PORTION). AREA BURNED IN 1993 LAGUNA BEACH FIRE.

Threats:

1991: THREATENED BY DEVELOPMENT. 2002: MUCH OF THE NORTHEASTERN PART OF THE SITE HAS BEEN DEVELOPED.

General:

1980: 7 INDIVOBS; 10-25 PAIRS ESTIMATED. 1985: 3 INDIV. 1990: 20 BIRDS. 1991: 4 BIRDS & 1 PAIR WITH NESTLINGS. 1994: 7 PAIRS. 1995: JUVENILE(S) OBS. 2002: 2 OBS. SMALLER POP PERSISTS IN REMAINING HABITAT. DETECTED IN 2018.

PLSS:	T07S, R09W, Sec. 5 (S)	**Accuracy:**	non-specific area	**Area (acres):**	545
UTM:	Zone-11 N3717226 E421756	**Latitude/Longitude:**	33.59189 / -117.84326	**Elevation (feet):**	578

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

ATW80U0001	ATWOOD, J.L. - CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX
DEL18D0002	DELUNA, A. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA DETECTIONS, 2018 [SC-012609] 2018-XX-XX
GRI96R0002	GRIFFITH WILDLIFE BIOLOGY (GRIFFITH WILDLIFE BIOLOGY) - 1995 SAN JOAQUIN HILLS BURN AREA CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN STUDY 1996-03-11
LSA02U0001	KRIEG, E. (LSA ASSOCIATES, INC.) - CALIFORNIA GNATCATCHER SURVEY, JULY 17-31, 2002, IN NEWPORT COAST AT A RESIDENTIAL LOT 2002-10-02
LSA91R0001	LSA ASSOCIATES, INC. - EIR: IRVINE COAST PLANNED COMMUNITY - PLANNING AREAS 1C & 11B (EIR NO. 528) 1991-10-28
SCH85F0002	SCHONHOLTZ, R. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA (POLIOPTILA MELANURA CALIFORNICA) 1985-05-30
TAY94U0006	TAYLOR, S. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. AT BUCK GULLY/PELICAN POINT. 1994-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02956
EO Index: 25096
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 54
Occurrence Last Updated: 2021-05-28

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 1980-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1980-XX-XX
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Possibly Extirpated

Location:

EL RETIRO ROAD, NEAR OSO PARKWAY, VICINITY MISSION VIEJO.

Detailed Location:

ATWOOD SITE REFERENCE #295.

Ecological:

COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA. AERIAL IMAGERY SHOWS SITE IS DEVELOPED.

Threats:

THREATENED BY URBAN DEVELOPMENT, AS MANY MAJOR HABITAT AREAS ARE OWNED BY LAND COMPANIES.

General:

8 INDIVIDUALS OBSERVED; 10-15 PAIRS ESTIMATED. SITE IS NOW DEVELOPED, LIKELY EXTIRPATED.

PLSS: T07S, R07W, Sec. 07, SW (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3715134 E439387
Latitude/Longitude: 33.57418 / -117.65310
Elevation (feet): 450

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

ATW80U0001 ATWOOD, J.L. - CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02911
EO Index: 25095
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 55
Occurrence Last Updated: 2003-08-12

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2000-05-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2000-05-05
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN, PVT
Trend: Unknown
Presence: Presumed Extant

Location:

WEST OF CABOT ROAD AND NORTH OF CROWN VALLEY PARKWAY, VICINITY MISSION VIEJO.

Detailed Location:

1980: WEST OF CABOT ROAD. 2000: WEST OF CABOT ROAD AND SOUTH OF DEPUTY CIRCLE.

Ecological:

COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM & SALVIA MELLIFERA. RUDERAL AREAS CONSIST OF ARTICHOKE THISTLE & MUSTARD. RUDERAL SPECIES INVADING SAGE SCRUB LOCATED AT HEAD OF RAVINE. BHCO IN VIC.

Threats:

THREATENED BY URBAN DEVELOPMENT, AS MANY MAJOR HABITAT AREAS ARE OWNED BY LAND COMPANIES; PROPOSED BORROW SITE.

General:

1 INDIVIDUAL OBSERVED, 1-2 PAIRS ESTIMATED IN 1980. 1 NEST W/4 YOUNG OBS ON 12 MAY 2000. GNATCATCHERS HEARD IN RAVINE BELOW NEST, 18 MAY. PAIR PRIMARILY UTILIZED CSS; HOWEVER, MALE WAS OBS FORAGING IN THISTLE ON 14 APR, 5 MAY 2000.

PLSS: T07S, R08W, Sec. 14 (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3713425 E436848
Latitude/Longitude: 33.55862 / -117.68034
Elevation (feet): 400

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

ATW80U0001	ATWOOD, J.L. - CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX
LSA00U0004	ERICKSON, R. (LSA ASSOCIATES, INC.) - LAGUNA NIGUEL GNATCATCHER SURVEY, APRIL 14 - MAY 18, 2000 2000-09-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02946	**EO Index:**	20045
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	56	**Occurrence Last Updated:**	2021-05-28

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2009-06-15	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2009-06-15	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY, UNKNOWN	**Trend:**	Stable
Presence:	Presumed Extant		

Location:

ALONG ARROYO TRABUCO, VICINITY OF CROWN VALLEY PARKWAY BRIDGE SOUTH TO ARROYO TRABUCO GOLF CLUB, MISSION VIEJO.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA. COMMUNITIES INCLUDE DISTURBED COASTAL SCRUB, CA SAGEBRUSH/ORANGE MONKEYFLOWER SCRUB, CA SAGEBRUSH/CA BUCKWHEAT SCRUB, OTHERS.

Threats:

DEVELOPMENT, OSO PKWY CONSTRUCTION, PAST MINING (1920S-1990S), HUMAN DISTURBANCE, TRASH DUMPING, VEGETATION CLEARING.

General:

2 ADULTS OBSERVED APR 1993. 7 PAIRS DETECTED IN 1997. 12 PAIRS (1 PR W/A FLEDGLING) & 3 SINGLE MALES OBS IN 2000. 6 PAIRS (4 BREEDING), OBS IN 2002. 3-7 ADULTS OBS IN 2004. 5 PAIRS, 1 FAMILY, & 1 ADULT DETECTED IN 2005. 2 ADULT OBS IN 2009.

PLSS:	T07S, R07W, Sec. 19 (S)	**Accuracy:**	non-specific area	**Area (acres):**	513
UTM:	Zone-11 N3712791 E439140	**Latitude/Longitude:**	33.55303 / -117.65561	**Elevation (feet):**	295

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

BLO04U0002	BLOOD, B. (PSOMAS ENGINEERING) - SADDLEBACK COLLEGE COASTAL CALIFORNIA GNATCATCHER SURVEY REPORT. 2004-12-14
BON02U0002	BONTERRA CONSULTING - RESULTS OF THE COASTAL CALIFORNIA GNATCATCHER SURVEY AT THE CROWN VALLEY PARKWAY BRIDGE PROJECT SITE IN UNINCORPORATED ORANGE COUNTY, CALIFORNIA. 2002-08-19
DAN05F0021	DANIELS, B. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2005-08-04
DAN97U0001	DANIELS, B. & A. JOHNSTON (BONTERRA CONSULTING) - RESULTS OF COASTAL CALIFORNIA GNATCATCHER SURVEYS ON THE CROWN VALLEY PARKWAY PROJECT SITE. 1997-08-28
DUD00U0005	DUDEK & ASSOCIATES, INC. - CALIFORNIA GNATCATCHER SURVEY FOR THE ARROYO TRABUCO GOLF COURSE PROJECT, RANCHO MISSION VIEJO, ORANGE COUNTY, CALIFORNIA 2000-08-09
HEF93F0002	HEFFLEY, C. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA IN ARROYO TRABUCO 1993-04-01
ONE05F0032	O'NEAL, A. & B. LEATHERMAN (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2005-03-17
ONE05F0033	O'NEAL, A. & B. DANIELS (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2005-03-01
POS09F0010	POSTON, R. (DESIGN + PLANNING AT AECOM) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2009-06-15
TIS05R0001	TISCHER, C. (ECORP CONSULTING, INC.) - COASTAL CALIFORNIA GNATCATCHER AND LEAST BELL'S VIREO TECHNICAL REPORT OF FINDINGS MISSION VIEJO BONEYARD, ORANGE COUNTY, CALIFORNIA 2005-08-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02940
EO Index: 25093
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 57
Occurrence Last Updated: 2021-05-27

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2003-09-19
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-09-19
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

EAST OF I-5, NORTH AND SOUTH OF MISSION HILLS DRIVE, NE OF SAN JUAN CAPISTRANO.

Detailed Location:

1980: SE OF IMPERIAL DRIVE, EXTENDING EAST TOWARD CANYON CREST ROAD AND SOUTH TO JUST SOUTH OF MALASPINA ROAD (SITES 296, 298). 2002: NE PORTION OF OCCURRENCE, VICINITY OF A CIRCULAR AND A RECTANGULAR RESERVOIR.

Ecological:

SITE IS PRIMARILY COASTAL SAGE SCRUB HABITAT DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA. NE PORTION: DIEGAN CSS (DOMINATED BY ARTEMISIA CALIFORNICA), DISTURBED DIEGAN CSS (MAINLY BACCHARIS PILULARIS).

Threats:

THREATENED BY URBAN DEVELOPMENT; AREAS OF GOOD HABITAT ARE OWNED BY LAND DEVELOPMENT COMPANIES.

General:

1 INDIVIDUAL OBSERVED AND 5-10 PAIRS ESTIMATED IN 1980. 1 PAIR OBSERVED ON 13 AND 25 JUN 2002. MALE OBSERVED ON 29 AUG 2002. 4 BIRDS DETECTED ON 1 DEC 2003. 1 PAIR DETECTED ON 19 SEP 2003.

PLSS: T07S, R08W, Sec. 36, NE (S)
Accuracy: 2/5 mile
Area (acres): 280
UTM: Zone-11 N3709739 E438733
Latitude/Longitude: 33.52548 / -117.65979
Elevation (feet): 381

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

ATW80U0001	ATWOOD, J.L. - CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX
BOO03R0001	BOOKER, M. (MERKEL AND ASSOCIATES, INC.) - 45-DAY LETTER REPORT OF FOCUSED COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR THE SAN JUAN CAPISTRANO RESERVOIR STOCKPILING PROJECT LOCATED IN SAN JUAN CAPISTRANO, COUNTY OF SAN DIEGO 2003-12-22
MER02U0004	ROGERS, G. (MERKEL AND ASSOCIATES, INC.) - 45-DAY LETTER REPORT OF COASTAL CALIFORNIA GNATCATCHER (POLIOPTILA CALIFORNICA CALIFORNICA) AT THE SAN JUAN CAPISTRANO TERMINAL RESERVOIR #2 PROJECT 2002-09-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	17757	**EO Index:**	10111
Key Quad:	Dana Point (3311746)	**Element Code:**	ABPBJ08081
Occurrence Number:	165	**Occurrence Last Updated:**	2021-06-11

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2010-07-07	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2010-07-07	**Occurrence Rank:**	Fair
Owner/Manager:	PVT, ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SALT CREEK, NORTH OF HWY 1 AND SOUTH OF CLUB HOUSE DR, SALT CORRIDOR REGIONAL PARK, MONARCH BEACH.

Detailed Location:

Ecological:

DENSE COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA & ERIOGONUM FASCICULATUM. SOUTHERN END OF SITE RECOVERING FROM DECADE OLD DISTURBANCE; NORTHERN PORTION MERGES INTO COASTAL TOYON CHAPARRAL. DEVELOPMENT TO EAST, WEST & SOUTH.

Threats:

THREATENED BY WEED ABATEMENT, FUEL MODIFICATION, BROWN-HEADED COWBIRDS, AND DEVELOPMENT.

General:

AT LEAST 1 PAIR AND POSSIBLY A SINGLE MALE OBSERVED ON 26 DECEMBER 1990. 4 PAIRS (1 W/ AT LEAST 2 YOUNG) AND 1 NEST W/ A COWBIRD EGG OBS IN 1991. 4 PAIRS OBS IN 1994. 4 PAIRS OBS IN 1999. 1 PAIR & 2 MALES OBS IN 2002. 1 PAIRS OBS IN 2010.

PLSS:	T08S, R08W, Sec. 9, NE (S)	**Accuracy:**	non-specific area	**Area (acres):**	296
UTM:	Zone-11 N3706311 E433503	**Latitude/Longitude:**	33.49425 / -117.71585	**Elevation (feet):**	209

County Summary:	**Quad Summary:**
Orange	Dana Point (3311746), San Juan Capistrano (3311756)

Sources:

BIL10F0008	BILLINGS, M. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2010-07-07
CAM02R0005	CAMERON, S. (ECOLOGICAL SCIENCES, INC.) - RESULTS OF FOCUSED SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER, THE BLUFFS APPARTMENTS, CITY OF DANA POINT, ORANGE COUNTY, CALIFORNIA 2002-04-30
EAA91R0001	ED ALMANZA & ASSOCIATES - A PRELIMINARY ASSESSMENT OF GNATCATCHER HABITAT SUITABILITY IN THE COUNTY OF ORANGE PARKS SYSTEM. 1991-07-XX
JOH99U0002	JOHNSTON, A. (BONTERRA CONSULTING) - RESULTS OF COASTAL CALIFORNIA GNATCATCHER SURVEY ON THE CLUBHOUSE VILLAGE NORTH AND SOUTH AT MONARCH BEACH. 1999-09-29
PLA91R0001	THE PLANNING CENTER - DANA POINT BIOLOGICAL RESOURCES SURVEY (FF #620-5) 1991-07-XX
ROB90F0007	ROBERT, JR., F.M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1990-12-26
SWE92R0001	SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. - CALIFORNIA GNATCATCHER PATCH STUDY, SAN DIEGO, CA 1992-08-13
TAY94U0004	TAYLOR, S. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. 1994-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	17723	**EO Index:**	10110
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	168	**Occurrence Last Updated:**	2021-03-29

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2009-07-03	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2009-07-03	**Occurrence Rank:**	Good
Owner/Manager:	PVT, CALTRANS, ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

UPPER OSO RESERVOIR BASIN, JUST EAST OF EL TORO RD AT HWY 241, MISSION VIEJO.

Detailed Location:

1991 LOCATION DESCRIBED AS OSO RESERVOIR, EASTERN SHORE. 2002, 2008, AND 2009 DETECTED ALONG HWY 241.

Ecological:

RESERVOIR SHORE HABITAT: NW-FACING SLOPE IN OPEN COASTAL SAGE SCRUB, BLENDING INTO SOUTHERN CACTUS SCRUB. AREA TO THE SE DEVELOPED AND HWY 241 CONSTRUCTED IN THE 1990S. CSS VEGETATION CLEARED ALONG HIGHWAY FOR DEFENSIBLE SPACE REQUIREMENTS.

Threats:

MAIN THREAT IS ISOLATION: CURRENTLY SURROUNDED BY DEVELOPMENT. HWY 241 CONSTRUCTION/MODIFICATIONS. VEGETATION CLEARING.

General:

1 PAIR AND ONE INDIVIDUAL MALE OBSERVED 17 JUL 1991 IN GOOD QUALITY HABITAT. 1 INDIVIDUAL OBSERVED BRIEFLY FORAGING IN BASIN ON 27 JUL 2002. 2 IDIVIDUALS DETECTED ON 4 JUN 2008. 2 NESTING PAIRS DETECTED BETWEEN 10 APR AND 3 JUL 2009.

PLSS:	T06S, R07W, Sec. 8, SE (S)	**Accuracy:**	non-specific area	**Area (acres):**	161
UTM:	Zone-11 N3724531 E441696	**Latitude/Longitude:**	33.65906 / -117.62885	**Elevation (feet):**	943

County Summary:	**Quad Summary:**
Orange	Santiago Peak (3311765), El Toro (3311766)

Sources:

ERI09R0005	ERICKSON, R. & I. QUON (LSA ASSOCIATES, INC.) - LEAST BELL'S VIREO AND COASTAL CALIFORNIA GNATCATCHER SURVEY RESULTS, FOOTHILL TRANSPORTATION CORRIDOR-NORTH SOUTHBOUND WIDENING PROJECT, ORANGE CO. CA, LSA PROJECT NO. TCA0801 2009-09-22
HAR02U0001	HARMSWORTH ASSOCIATES - REPORT ON CALIFORNIA GNATCATCHER SURVEYS FOR THE FTC-N WIDENING PROJECT 2002-09-XX
PRE08U0005	PREITE, A. (CALIFORNIA DEPARTMENT OF TRANSPORTATION) - 45 DAY REPORT FOR SR-241 AND SR-73 SURVEY FOR COASTAL CALIFORNIA GNATCATCHER UNDER TE095858-1. 2008-07-17
ROB91F0019	ROBERTS, F. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1991-07-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	17724	**EO Index:**	9987
Key Quad:	Santiago Peak (3311765)	**Element Code:**	ABPBJ08081
Occurrence Number:	169	**Occurrence Last Updated:**	2021-03-22

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2017-10-18	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2017-10-18	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY, UNKNOWN	**Trend:**	Decreasing
Presence:	Presumed Extant		

Location:

JUST EAST OF EL TORO RD AND GLENN RANCH RD, INTERSECTION, NORTH OF OSO RESERVOIR, MISSION VIEJO.

Detailed Location:

SITE WITHIN O'NEILL REGIONAL PARK.

Ecological:

MODERATELY DENSE COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA & ERIOGONUM FASCICLATUM. AERIAL IMAGERY SHOWS PORTIONS OF THE SITE TO THE SOUTHWEST (1990S) AND NORTH (2015) WAS DEVELOPED INTO RESIDENTIAL HOUSING.

Threats:

ALTERATION OF GRADING FOOTPRINT, "WEED ABATEMENT" HABITAT CLEARING, INDUSTRIAL PARK PROPOSED ('91). DEVELOPMENT.

General:

1 ADULT OBSERVED ON 16 JUL 1991. 2 PAIRS DETECTED BETWEEN 7 FEB & 6 JUN 2006. 2 INDIVIDUALS DETECTED ON 25 SEP 2010. 1 PAIR DETECTED BETWEEN 17 APR & 1 JUN 2013. 2 ADULTS DETECTED ON 27 JAN 2015. 2 ADULTS DETECTED ON 28 APR & 18 OCT 2017.

PLSS:	T06S, R07W, Sec. 9, NW (S)	**Accuracy:**	non-specific area	**Area (acres):**	51
UTM:	Zone-11 N3725571 E442165	**Latitude/Longitude:**	33.66846 / -117.62386	**Elevation (feet):**	1,157

County Summary:	**Quad Summary:**
Orange	Santiago Peak (3311765), El Toro (3311766)

Sources:

CAD10U0001	CADRE ENVIRONMENTAL - UPDATED COASTAL CALIFORNIA GNATCATCHER FOCUSED SURVEY RESULTS FOR THE APPROXIMATELY 28.50 ACRE SKY RIDGE PROPERTY. 2010-10-18
CAD13U0002	CADRE ENVIRONMENTAL - RESULTS OF 2013 USFWS UPDATED PROTOCOL COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR THE SKY RIDGE PROJECT. 2013-06-14
CAF15F0002	CAFFREY, W. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2015-01-27
LEA17F0003	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001562] 2017-10-18
LEA17F0004	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001562] 2017-04-28
RAM06U0001	RAMIREZ, R. - COASTAL CALIFORNIA GNATCATCHER FOCUSED SURVEY RESULTS FOR THE NEW CASTLE PROPERTY. 2006-06-10
ROB91F0013	ROBERTS, F. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1991-07-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	17720	**EO Index:**	10109
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	170	**Occurrence Last Updated:**	2019-01-30

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-12-09	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2016-12-09	**Occurrence Rank:**	Fair
Owner/Manager:	ORA COUNTY, PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

BETWEEN CANADA ROAD AND ALISO CREEK, 0.3 MI NNW TO 0.5 MI WSW OF PORTOLA PKWY AT EL TORO RD, LAKE FOREST.

Detailed Location:

EAST OF FORMER EL TORO MARINE CORPS AIR STATION. NORTH- TO SOUTH-RUNNING RIDGE, WITH EAST- AND WEST-FACING SLOPES OF COASTAL SAGE SCRUB. MAPPED TO INCLUDE PROVIDED LOCATIONS AND COORDINATES.

Ecological:

1991: OPEN COASTAL/CACTUS SAGE SCRUB W/OPUNTIA LITTORALIS, ARTEMISIA CALIFORNICA, & ERIOGONUM FASCICULATUM. CACTUS WREN ALSO FOUND. MOST OF SITE DEVELOPED; SW PORTION INTO RESIDENTIAL CA. 1998, N PORTION INTO SPORTS PARK CA. 2013.

Threats:

ISOLATION & HABITAT FRAGMENTATION, DEVELOPMENT, PIPELINE PROJECT (1999), COWBIRDS.

General:

1 PAIR & 1 INDIVIDUAL MALE OBSERVED IN FEB 1991. 2 PAIRS OBS, MAY 1994. 3 PAIRS OBS APR 1997. 5 PAIRS & 1 JUVENILE OBS FEB-JUL 1999; NESTING UNSUCCESSFUL, COWBIRD CHICK FOUND IN ONE NEST. 2 NESTING PAIRS, 2014. 3 ADULTS OBS 9 DEC 2016.

PLSS:	T06S, R07W, Sec. 7 (S)	**Accuracy:**	non-specific area	**Area (acres):**	114
UTM:	Zone-11 N3724733 E438912	**Latitude/Longitude:**	33.66072 / -117.65889	**Elevation (feet):**	810

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

BRA99R0001	LAURI, R. & J. SIMONSEN (MICHAEL BRANDMAN ASSOCIATES) - COASTAL CALIFORNIA GNATCATCHER SURVEY REPORT FOR THE LOS ALISOS WATER DISTRICT PIPELINE PROJECT, MISSION VIEJO, CALIFORNIA 1999-09-21
LEE14F0008	LEE, A. (PCR SERVICES CORPORATION) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2014-04-25
LEE14F0009	LEE, A. (PCR SERVICES CORPORATION) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2014-07-28
NEL94R0001	NELSON, S. - FINDINGS OF SURVEYS FOR CALIFORNIA GNATCATCHER AND SAN DIEGO CACTUS WREN, EL TORO MATERIALS PROPERTY. 1994-07-28
NEL97R0002	NELSON, S. (PLANNING CONSULTANTS RESEARCH) - NORMANDALE PROPERTY, LAKE FOREST. CALIFORNIA GNATCATCHER SURVEY REPORT. 1997-07-23
RAM97F0009	RAMIREZ, JR., R.S. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1997-04-12
ROB91F0014	ROBERTS, F. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1991-02-15
SIN16F0007	SINGLETON, L. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-12-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	17719	**EO Index:**	10108
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	171	**Occurrence Last Updated:**	2010-08-11

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	1991-08-28	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1991-08-28	**Occurrence Rank:**	None
Owner/Manager:	PVT-FOOTHILL RANCH CO	**Trend:**	Unknown
Presence:	Possibly Extirpated		

Location:

CANADA DE LOS ALISOS, 3.3 KM SW OF BOLERO LOOKOUT, LAKE FOREST.

Detailed Location:

Ecological:

1991: NE TO SW RUNNING HILLS W/ MOSAIC OF COASTAL SAGE SCRUB, SOUTHERN CACTUS SCRUB & NATIVE GRASSLAND. DOMINANTS: OPUNTIA LITTORALIS, ARTEMISIA CALIFORNICA, SALVIA MELLIFERA, ERIOGONUM FASCICULATUM. 2009 AERIAL PHOTOS SHOW SITE DEVELOPED.

Threats:

1991: MAIN THREAT IS HABITAT CLEARING FOR TOLL ROAD THAT BEGAN 21 AUG 1991. LAND ZONED RESIDENTIAL W/APPROVED PROJECT.

General:

A SINGLE MALE WAS OBSERVED; OTHERS SUSPECTED. OTHER RARE ELEMENTS AT THIS SITE INCLUDE SOUTHERN CACTUS SCRUB AND SAN DIEGO CACTUS WREN.

PLSS:	T06S, R08W (S)	**Accuracy:**	1/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3727558 E437428	**Latitude/Longitude:**	33.68611 / -117.67509	**Elevation (feet):**	800

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

ROB91F0015 ROBERTS, F. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1991-08-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	17721	**EO Index:**	19979
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	172	**Occurrence Last Updated:**	2021-04-05

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2021-01-27	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2021-01-27	**Occurrence Rank:**	Good
Owner/Manager:	PVT, ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

N OF EL TORO RD AT HWY 241 AND SE OF SERRANO RD (SERRANO CREEK TRAIL), WHITING RANCH WILDERNESS PARK, PORTOLA HILLS.

Detailed Location:

IN VICINITY OF WHITTING RANCH WILDERNESS PARK ENTRANCE OFF OF GLENN RANCH RD, WEST OF VIEJO HILLS DR AND EAST OF DEFINITION (ROAD).

Ecological:

COASTAL SAGE SCRUB AND SOUTHERN CACTUS SCRUB HABITAT. CLEARING OF SITE ALLOWED BY CITY (1991). SITE DISTURBED BY NOISE, HUMAN ACITIVITY, AND TRAILS. ADJACENT TO PORTOLA HILLS DEVELOPMENT PROJECT; CONSTRUCTION STARTED IN 2015.

Threats:

WEED ABATEMENT (1991); ROAD CONSTRUCTION/MODIFICATION; FIRE; BROWN-HEADED COWBIRD.

General:

'91: 1 MALE; PREV XMAS COUNT: 2-3PR. '00: 3PRS. '01: 3 PR (2W/NESTS). '02: 2PR. '04: 8-10 INDIV. '05: 3PR, 3 JUV. '09: 4 PR. '11: 1 PR. '15: 1AD, 1PR W/2JUV.'18: 9PR, 5AD (3W/FLDG). OBS '08, '13, '14, & '16. '20: 1PR W/3 JUV. '21: 1 INDIV.

PLSS:	T06S, R07W, Sec. 8, NW (S)	**Accuracy:**	non-specific area	**Area (acres):**	294
UTM:	Zone-11 N3725831 E440717	**Latitude/Longitude:**	33.67072 / -117.63949	**Elevation (feet):**	965

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

AGU20F0018	AGUAYO, J. (PSOMAS ENGINEERING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-07-24
BAR04U0003	BARONI, I. (LSA ASSOCIATES, INC.) - PRE-CONSTRUCTION BIRD SURVEY FOR COASTAL CALIFORNIA GNATCATCHER, SAN DIEGO CACTUS WREN, AND SOUTHERN CALIFORNIA RUFOUS-CROWNED SPARROW AT VIEJO SUBSTATION, LAKE FOREST. 2004-09-21
ERI09R0005	ERICKSON, R. & I. QUON (LSA ASSOCIATES, INC.) - LEAST BELL'S VIREO AND COASTAL CALIFORNIA GNATCATCHER SURVEY RESULTS, FOOTHILL TRANSPORTATION CORRIDOR-NORTH SOUTHBOUND WIDENING PROJECT, ORANGE CO. CA, LSA PROJECT NO. TCA0801 2009-09-22
HAR01R0002	HARMSWORTH ASSOCIATES - REPORT ON CALIFORNIA GNATCATCHER SURVEYS FOR THE FTC-N WIDENING PROJECT. 2001-09-XX
HER18R0009	HEREDIA, A. & J. AGUAYO (PSOMAS ENGINEERING) - RESULTS OF THE LEAST BELL'S VIREO SURVEY FOR THE OFF-SITE MITIGATION PROGRAM FOR THE ALTON PARKWAY EXTENSION PROJECT AT ALISO CREEK, ORANGE COUNTY, CALIFORNIA 2018-10-30
KAM11F0040	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2011-03-16
KAM18D0001	KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX
KUS13D0002	KUS, B. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR POLIOPTILA CALIFORNICA CALIFORNICA 2013-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA09R0001	LEATHERMAN BIOCONSULTING, INC. - CENTRAL RESERVE CACTUS WREN HABITAT ASSESSMENT AND SURVEY 2008 2009-02-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
LID14U0002	LIDDICOAT, T. (DUDEK AND ASSOCIATES) - 2014 FOCUSED CALIFORNIA GNATCATCHER SURVEY REPORT FOR THE PORTOLA CENTER PROJECT - PHASE 1. 2014-11-06
LSA01F0001	LSA ASSOCIATES, INC. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 2001-04-10
LSA01U0002	ERICKSON, R. (LSA ASSOCIATES, INC.) - FOCUSED COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR SPRINT SITE #OG54XC422-B MILLWOOD 2001-04-16
MBA05R0002	MICHAEL BRANDMAN ASSOCIATES (MICHAEL BRANDMAN ASSOCIATES) - FOCUSED COASTAL CALIFORNIA GNATCATCHER SURVEY REPORT SPRINT FACILITY, MILLWOOD LAKE FOREST. 2005-06-07
MES21F0002	MESSETT, L. (PSOMAS ENGINEERING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2021-01-27
MUR05U0001	MURI, K. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY, PORTOLA HILLS PROJECT. 2005-12-20
NRC02U0003	BENSON, T. (NATURAL RESOURCE CONSULTANTS) - RESULTS OF FOCUSED COASTAL CALIFORNIA GNATCATCHER SURVEYS ON THE APPROXIMATELY 420-ACRE PORTOLA HILLS SITE, LOCATED IN THE CITY OF LAKE FOREST, ORANGE COUNTY, CALIFORNIA. 2002-08-08
OGD00R0001	OGDEN ENVIRONMENTAL AND ENERGY SERVICES COMPANY - SOUTHERN CALIFORNIA EDISON LOS ANGELES-SAN DIEGO FIBERLINK PROJECT, COASTAL CALIFORNIA GNATCATCHER SURVEY RESULTS. 2000-08-XX
RIC15F0008	RICHARDS, P. (ICF INTERNATIONAL, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2015-08-19
RIC15U0004	RICHARDS, P. (ICF INTERNATIONAL, INC.) - COASTAL CALIFORNIA GNATCATCHER PRESENCE/ABSENCE SURVEY RESULTS FOR THE SR-241 STORM WATER MITIGATION PROJECT. 2015-09-22
RIO15R0001	RIOS, K. & S. CRAWFORD (MICHAEL BRANDMAN ASSOCIATES) - COASTAL CALIFORNIA GNATCATCHER PROTOCOL SURVEY REPORT PORTOLA HILLS COTY OF LAKE FOREST ORANGE COUNTY, CALIFORNIA 2015-04-24
STO91F0003	STOCKWELL, K. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1991-05-15
VAN19A0001	VANDERGAST, A. ET AL. - DISTINGUISHING RECENT DISPERSAL FROM HISTORICAL GENETIC CONNECTIVITY IN THE COASTAL CALIFORNIA GNATCATCHER. SCIENTIFIC REPORTS 9:1355. 2019-02-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 17741
EO Index: 10105
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 173
Occurrence Last Updated: 1991-11-18

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 1990-06-17
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-02-03
Occurrence Rank: Fair
Owner/Manager: PVT-MISSION VIEJO CO
Trend: Decreasing
Presence: Presumed Extant

Location:

"NACIENTE RIDGE," ABOVE THE INTERSECTION OF OLYMPIAD & JERONIMO PARKWAYS, 3.6 KM E OF EL TORO RESERVOIR, MISSION VIEJO.

Detailed Location:

Ecological:

WEST-FACING RIDGE SLOPE VEGETATED BY COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, SALVIA MELLIFERA, AND OPUNTIA LITTORALIS. SUBSTRATE IS LIGHT-COLORED SANDY SOILS. OTHER RARE SPECIES INCLUDE S. D. CACTUS WREN AND TURKISH RUGGING.

Threats:

"WEED ABATEMENT" AND FUEL MODIFICATION CONTINUE TO THREATEN THE LITTLE COASTAL SAGE SCRUB THAT REMAINS ON PRIVATE LAND.

General:

ONE PAIR OF GNATCATCHERS OBSERVED. OF 70 ACRES OF COASTAL SAGE SCRUB, 40 ACRES WERE GRADED TO 1 FT; THIS WENT FAR BEYOND THE FUEL MODIFICATION PLAN PROPOSED BY THE FIRE DEPARTMENT.

PLSS: T06S, R07W, Sec. 29 (S)
Accuracy: specific area
Area (acres): 99
UTM: Zone-11 N3719982 E441770
Latitude/Longitude: 33.61803 / -117.62775
Elevation (feet): 900

County Summary:

Orange

Quad Summary:

Canada Gobernadora (3311755), San Juan Capistrano (3311756)

Sources:

ROB90F0010 ROBERTS, F. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1990-06-17
ROB91F0016 ROBERTS, F. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1991-02-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	17738	**EO Index:**	10104
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	174	**Occurrence Last Updated:**	2021-06-11

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

UPPER WOODS CANYON, 0.8 KM N MOULTON PEAK, ON THE EDGE OF ALISO-WOODS CANYON REGIONAL PARK.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB, LARGELY DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA; ABUTS NARROW LIVE OAK RIPARIAN WOODLAND. SITE DISTURBED BY UNAUTHORIZED MOUNTAIN BIKE TRAILS.

Threats:

PORTION OF HABITAT LYING OUTSIDE PARK THREATENED WITH WEED ABATEMENT & FUEL MODIFICATION. ADAJACENT DEVELOPMENT. FIRES.

General:

1 PAIR OBSERVED IN 1990. 2 DETECTIONS IN 1999, 1 IN 2000, 3 IN 2003, & 1 IN 2004. 1 ADULT MALE & 1+ FLEDGLING OBSERVED ON 16 MAR 2011. DETECTED IN 2013. 2 PAIRS OBSERVED IN 2016. 1 PAIR & 1 MALE OBSERVED IN 2018. DETECTED IN 2020.

PLSS:	T07S, R08W, Sec. 7 (S)	**Accuracy:**	non-specific area	**Area (acres):**	180
UTM:	Zone-11 N3715815 E430289	**Latitude/Longitude:**	33.57976 / -117.75118	**Elevation (feet):**	574

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

KAM11F0018	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2011-03-16
KAM16D0001	KAMADA, D. - 2016 SENSITIVE SPECIES SIGHTINGS DURING LEAST BELL'S VIREO NEST SEARCHING IN VENTURA COUNTY AND CALIFORNIA GNATCATCHER OBSERVATIONS IN ORANGE COUNTY[SC-001360]. 2016-XX-XX
KAM16F0004	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001360]. 2016-03-15
KAM18D0001	KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX
KUS13D0002	KUS, B. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR POLIOPTILA CALIFORNICA CALIFORNICA 2013-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX
ROB90F0011	ROBERTS, F. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1990-08-20
VAN19A0001	VANDERGAST, A. ET AL. - DISTINGUISHING RECENT DISPERSAL FROM HISTORICAL GENETIC CONNECTIVITY IN THE COASTAL CALIFORNIA GNATCATCHER. SCIENTIFIC REPORTS 9:1355. 2019-02-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	17739	**EO Index:**	10103
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	175	**Occurrence Last Updated:**	2021-06-18

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2018-06-18	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2018-06-18	**Occurrence Rank:**	Good
Owner/Manager:	PVT, ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ARROYO TRABUCO, SOUTH OF OSO PARKWAY AND JUST EAST OF CORSICA ROAD, O'NEILL REGIONAL PARK, MISSION VIEJO.

Detailed Location:

Ecological:

HABITAT CONSISTS OF MULE FAT SCRUB. OTHER COMMUNITIES IN AREA INCLUDE NON-NATIVE GRASSLAND, SYCAMORE ALLUVIAL WOODLAND AND DISTURBED. SITE DISTURBED BY INVASIVE WEEDS; OCPW MAINTENANCE; RECREATIONAL TRAILS.

Threats:

WEED ABATEMENT. DEVELOPMENT. FUEL MODIFICATION. HABITAT FRAGMENTATION. FIRE. INVASIVE WEEDS.

General:

1989: 1 PR. KAY STOCKWELL CONFIRMED 2 NESTING PRS AT THIS SITE (DATE UNK) BEFORE & AFTER ROBERTS' OBS OF 2 MALES ON 28 MAR 1991. 1998: 4 ADULTS & 7 JUVENILES. 1999: 3 PRS. 2000: 2 PRS. 2004: 1 ADULT. 2018: 1 PR W/4 FLDG.

PLSS:	T07S, R07W, Sec. 8, W (S)	**Accuracy:**	non-specific area	**Area (acres):**	283
UTM:	Zone-11 N3715569 E440586	**Latitude/Longitude:**	33.57816 / -117.64022	**Elevation (feet):**	408

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

BLO98U0002	BLOOM, P. - MEMO AND MAP FOR COASTAL CALIFORNIA GNATCATCHER IN ORANGE COUNTY 1998-09-21
BLO99U0001	BLOOM, P. - SURVEYS FOR THE CALIFORNIA GNATCATCHER AT OSO PARKWAY BRIDGE AND TRABUCO CREEK. 1999-06-02
HAM19D0001	HAMILTON, R. ET AL. - SHAPEFILE OF SPECIAL STATUS SPECIES COMPILED BY MELANIE SCHLOTTERBECH AND FRIENDS OF HARBORS, BEACHES AND PARKS IN ORANGE AND SAN BERNARDINO COUNTIES, 1989-2019. 2019-10-28
OGD00R0001	OGDEN ENVIRONMENTAL AND ENERGY SERVICES COMPANY - SOUTHERN CALIFORNIA EDISON LOS ANGELES-SAN DIEGO FIBERLINK PROJECT, COASTAL CALIFORNIA GNATCATCHER SURVEY RESULTS. 2000-08-XX
ONE04F0006	O'NEAL, A. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2004-06-17
RIC18F0004	RICHARDS, P. (ICF INTERNATIONAL, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2018-06-18
ROB91F0012	ROBERTS, F. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1991-03-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 17740
EO Index: 10102
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 176
Occurrence Last Updated: 1991-10-21

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 1991-04-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-04-05
Occurrence Rank: Fair
Owner/Manager: PVT-MISSION VIEJO CO
Trend: Decreasing
Presence: Presumed Extant

Location:

4.0 KM SSE OF EL TORO RESERVOIR, NW OF THE INTERSECTION OF FELIPE ROAD AND OSO PARKWAY, MISSION VIEJO.

Detailed Location:

Ecological:

E- TO SE-FACING SLOPES IN COASTAL SAGE SCRUB, DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, ENCELIA CALIFORNICA, E. FARINOSA, AND SALVIA MELLIFERA.

Threats:

THREATENED BY ISOLATION AND FRAGMENTATION OF HABITAT, AS WELL AS GRADING OF SURROUNDING HABITAT FOR FUTURE DEVELOPMENT.

General:

DESIGNATED AS OPEN SPACE, HABITAT CONSISTS OF 8-12 ACRES OF COASTAL SAGE SCRUB IN A NARROW, 80 METER STRIP; SURROUNDING HABITAT GRADED IN LATE 1988 AND EARLY 1989. 2-3 MALES OBSERVED. GNATCATCHERS KNOWN PREVIOUSLY FROM SURROUNDING AREA.

PLSS: T07S, R07W, Sec. 06, SE (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3716997 E439726
Latitude/Longitude: 33.59100 / -117.64958
Elevation (feet): 700

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

ROB91F0017 ROBERTS, F. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1991-04-05

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	20110	**EO Index:**	9773
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBJ08081
Occurrence Number:	244	**Occurrence Last Updated:**	2021-04-26

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	1995-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1995-XX-XX	**Occurrence Rank:**	None
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Possibly Extirpated		

Location:

0.5 MI SOUTH OF THE JUNCTION OF BONITA CANYON DRIVE AND CULVER DRIVE, IN THE SAN JOAQUIN HILLS.

Detailed Location:

Ecological:

1988: COASTAL SAGE SCRUB DOMINATED BY OPUNTIA PROLIFERA, O. OCCIDENTALIS, AND ERIOGONUM FASCICULATUM. THE PRESENCE OF HEAVY OPUNTIA AT THIS SITE SAVED THIS PIECE OF CSS FROM GRAZING DISTURBANCE. LAGUNA BEACH FIRE BURNED AREA IN '93.

Threats:

1988: THREATENED BY HEAVY GRAZING. DEVELOPMENT

General:

2 ADULTS OBSERVED ON A SOUTH-FACING SLOPE OF RELICT COASTAL SAGE SCRUB SURROUNDED BY DISTURBED GRASSLAND ON 5 MAY 1988. JUVENILES OBSERVED IN FALL OF 1995. 2009 AERIAL PHOTOS SHOW THAT THIS SITE HAS BEEN DEVELOPED.

PLSS:	T06S, R09W, Sec. 21, SW (S)	**Accuracy:**	1/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3721256 E423625	**Latitude/Longitude:**	33.62838 / -117.82345	**Elevation (feet):**	575

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

GRI96R0002	GRIFFITH WILDLIFE BIOLOGY (GRIFFITH WILDLIFE BIOLOGY) - 1995 SAN JOAQUIN HILLS BURN AREA CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN STUDY 1996-03-11
SCH88F0013	SCHEIDT, V.N. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1988-05-05

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	20700	**EO Index:**	9495
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	249	**Occurrence Last Updated:**	2021-04-05

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2006-05-23	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2006-05-23	**Occurrence Rank:**	Good
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.5 MILE SSW OF MODJESKA, 0.4 MILE N JCT OF MODJESKA AND SANTIAGO CANYON ROADS.

Detailed Location:

1991, ALONG SANTIAGO TRUCK TRAIL, AT THE NORTHERN BOUNDARY OF THE FOOTHILL/TRABUCO SPECIFIC PLAN AREA.

Ecological:

COASTAL SAGE SCRUB, HABITAT AT THIS SITE IS LOW QUALITY (FOR GNATCATCHERS) 1991. SAGEBRUSH - BUCKWHEAT SCRUB AND SCRUB CHAPARRAL ECOTONE/SERE DONINATED BY CALIF SAGEBRUSH, CALIF BUCKWHEAT, BLACK SAGE, CHAMISE, LAUREL SUMAC, TOYON.

Threats:

HUMAN ENCROACHMENT, DEVELOPMENT.

General:

ONE BIRD OBSERVED FLYING NORTH, OUTSIDE THE SPECIFIC PLAN AREA, 1991. 4 OBSERVED, 1 PAIR AND 2 INDIVIDUALS, 1998. 1 JUVENILE OBSERVED ON 26 JUN 2004. 1 PAIR DETECTED ON 19 APR AND 1 INDIVIDUAL ON 23 MAY 2006.

PLSS:	T05S, R07W, Sec. 29, S (S)	**Accuracy:**	specific area	**Area (acres):**	33
UTM:	Zone-11 N3729297 E441152	**Latitude/Longitude:**	33.70201 / -117.63503	**Elevation (feet):**	1,537

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

EAA91R0001	ED ALMANZA & ASSOCIATES - A PRELIMINARY ASSESSMENT OF GNATCATCHER HABITAT SUITABILITY IN THE COUNTY OF ORANGE PARKS SYSTEM. 1991-07-XX
HAM04U0003	HAMILTON, R. - REPORT ON CALIFORNICA GNATCATCHER SURVEYS, MODJESKA GRADE ROAD. 2004-08-16
MBA06R0001	MICHAEL BRANDMAN ASSOCIATES (MICHAEL BRANDMAN ASSOCIATES) - FOCUSED COASTAL CALIFORNIA GNATCATCHER SURVEY REPORT CINGULAR FACILITY, MODJESKA CANYON AREA. 2006-06-07
TEN98F0002	TENNANT, S. (PCR SERVICES CORPORATION) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA (COASTAL CALIFORNIA GNATCATCHER) 1998-07-08
TEN98R0001	TENNANT, S. (PLANNING CONSULTANTS RESEARCH) - CALIFORNIA GNATCATCHER SURVEY REPORT, VARSHNEY PROPERTY, ALISO CANYON. 1998-10-29

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	20706	**EO Index:**	30080
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	255	**Occurrence Last Updated:**	2021-06-10

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY, DPR	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAN JOAQUIN HILLS, ALONG HWY 73, 1 - 2 MI E OF SIGNAL PEAK, LAGUNA LAUREL WILDERNESS PARK; 4.5 MILES N OF LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

THREATENED BY CONSTRUCTION OF THE SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR.

General:

2 SINGLES & 2 PAIRS OBS IN 1991. 2 DETECTIONS IN 1999. 7 PAIRS (3 PR W/ JUV), 2 JUV, & 1 ADULT OBS IN 2001. 1 DETECTION IN 2002. 2 PAIRS OBS IN 2003. 1 DETECTIONS IN 2004. 1 PAIR OBS IN 2008. DETECTED IN 2016, 2017, & 2020.

PLSS:	T06S, R09W, Sec. 35 (S)	**Accuracy:**	non-specific area	**Area (acres):**	533
UTM:	Zone-11 N3718214 E426507	**Latitude/Longitude:**	33.60114 / -117.79213	**Elevation (feet):**	948

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

CHA91R0001	CHAMBERS GROUP, INC. - LAGUNA LAUREL BIOLOGICAL RESOURCES REPORT (FINAL) 1991-09-XX
DEL16D0001	DELUNA, A. - TABLE OF LOCATIONS FOR CALIFORNIA GNATCATCHER TERRITORIES [SC-012609]. 2016-XX-XX
DEL17F0075	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA, INCLUDING KMZ OF DETECTIONS [SC-012609] 2017-04-26
EAA91R0001	ED ALMANZA & ASSOCIATES - A PRELIMINARY ASSESSMENT OF GNATCATCHER HABITAT SUITABILITY IN THE COUNTY OF ORANGE PARKS SYSTEM. 1991-07-XX
HAR01R0001	HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX
IBP02U0001	INSTITUTE FOR BIRD POPULATIONS - MEMO REGARDING REPORT OF BANDING ACTIVITIES ON THE NATURE RESERVE OF ORANGE COUNTY, 2001. 2002-02-20
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
MBA08R0001	MICHAEL BRANDMAN ASSOCIATES (MICHAEL BRANDMAN ASSOCIATES) - COASTAL CALIFORNIA GNATCATCHER PROTOCOL SURVEY REPORT, CATALINA VIEW. 2008-12-11
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX
PAY04U0001	PAYNE, T. - SUMMARY OF BIOLOGICAL MONITORING SURVEYS FOR THE CALIFORNICA GNATCATCHER CALTRANS CONSTRUCTION PROJECTS STATE ROUTE 73 (SAN JOAQUIN HILLS TOLL ROAD). 2004-03-09
STR16D0003	STRATTON, G. - EXCEL TABLE FOR CALIFORNIA GNATCATCHER DETECTIONS IN ORANGE COUNTY, 2016 2016-06-03
STR17F0015	STRATTON, G. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA WITH KMZ OF DETECTIONS 2017-04-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	20707	**EO Index:**	9508
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	256	**Occurrence Last Updated:**	2021-06-10

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2017-04-26	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY-LAGUNA COAST, DPR	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAN JOAQUIN HILLS, 1.5 MI NW OF THE JUNCTION OF LAGUNA CANYON ROAD AND EL TORO ROAD, LAGUNA LAUREL REGIONAL PARK.

Detailed Location:

Ecological:

HABITAT IS HIGH QUALITY COASTAL SAGE SCRUB.

Threats:

THREATENED BY CONSTRUCTION OF THE SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR.

General:

1 PAIR OF GNATCATCHERS OBSERVED IN 1991. 2 DETECTIONS IN 2002. NONE DETECTED IN 2016. 3 DETECTIONS IN 2017. NONE DETECTED BETWEEN 15 MAR AND 30 APR 2020.

PLSS:	T07S, R09W, Sec. 2, E (S)	**Accuracy:**	non-specific area	**Area (acres):**	50
UTM:	Zone-11 N3717112 E427500	**Latitude/Longitude:**	33.59127 / -117.78134	**Elevation (feet):**	840

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

CHA91R0001	CHAMBERS GROUP, INC. - LAGUNA LAUREL BIOLOGICAL RESOURCES REPORT (FINAL) 1991-09-XX
DEL17F0075	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA, INCLUDING KMZ OF DETECTIONS [SC-012609] 2017-04-26
EAA91R0001	ED ALMANZA & ASSOCIATES - A PRELIMINARY ASSESSMENT OF GNATCATCHER HABITAT SUITABILITY IN THE COUNTY OF ORANGE PARKS SYSTEM. 1991-07-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	33828	**EO Index:**	29894
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	257	**Occurrence Last Updated:**	2021-06-11

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Good
Owner/Manager:	ORA CNTY, CITY OF IRVINE, PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

LAGUNA LAUREL AND NORTH LAGUNA LAUREL IN THE SAN JOAQUIN HILLS ON THE WEST SIDE OF LAGUNA CANYON ROAD.

Detailed Location:

THE DIVIDING LINE BETWEEN LAGUNA LAUREL & NORTH LAGUNA LAUREL IS THE IRVINE CORPORATE BOUNDARY LINE.

Ecological:

HABITAT IS MOSTLY HIGH QUALITY COASTAL SAGE SCRUB. GNATCATCHER HABITAT IN LAGUNA LAUREL COMPLETELY BURNED IN OCTOBER 1993. SOME HABITAT REMAINED IN NORTH LAGUNA LAUREL. NATURE RESERVE OF ORANGE COUNTY (NROC).

Threats:

BROWN-HEADED COWBIRDS, DEVELOPMENT, ROAD CONSTRUCTION/MODIFICATIONS

General:

'91:6PR, 1IND. '91:4PR,1JUV. '93:8PR, 4IND. '95:5 PR. '97:9PR. '98:2PR. '99:9OBS. '00:4OBS. '01:8PR, 1AD. '02:1PR, 5IND, 21OBS. '03:5PR, 5AD, 5JUV. '04:1PR, 27OBS. '05:6PR, 2AD. '11:1AD. '15:1PR, 1AD. '18:1IND. '19:1IND. OBS '13, '16 & '20.

PLSS:	T06S, R09W, Sec. 25 (S)	**Accuracy:**	non-specific area	**Area (acres):**	1,050
UTM:	Zone-11 N3720546 E428909	**Latitude/Longitude:**	33.62234 / -117.76643	**Elevation (feet):**	677

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757), Tustin (3311767)

Sources:

AMA16D0001	AMALONG, M. (ENVIRONMENTAL INTELLIGENCE) - TWO SHAPEFILES (NESTS, DETECTIONS) FOR SURVEY RESULTS FOR THE SAFARI SUBSTATION PROJECT, ORANGE COUNTY, 2016. 2016-XX-XX
ATW99R0001	ATWOOD, J. ET AL. - POPULATION DYNAMICS, DISPERSAL AND DEMOGRAPHY OF CALIFORNIA GNATCATCHERS IN ORANGE CO., CALIFORNIA (1998 PROGRESS REPORT) 1999-02-06
BAR05F0041	BARONI, I. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2005-09-XX
BAR05U0001	BARONI, I. (LSA ASSOCIATES, INC.) - LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER SURVEYS FOR LAGUNA CANYON ROAD (SR-133) CONSTRUCTION MONITORING, ORANGE COUNTY, CALIFORNIA 2005-10-28
BON94R0001	BONTRAGER, D.R. - A PRELIMINARY ASSESSMENT OF THE EFFECTS OF THE OCTOBER 1993 LAGUNA BEACH FIRE ON CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATIONS IN THE ORANGE COUNTY SUPERPARK. 1994-01-XX
BON95F0003	BONTRAGER, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1995-XX-XX
BON97F0004	BONTRAGER, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1997-XX-XX
CAR04F0001	CARR, D.W. (CHAMBERS GROUP, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2004-01-05
CHA91R0001	CHAMBERS GROUP, INC. - LAGUNA LAUREL BIOLOGICAL RESOURCES REPORT (FINAL) 1991-09-XX
DEL20F0013	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-04-15

EAA91R0001	ED ALMANZA & ASSOCIATES - A PRELIMINARY ASSESSMENT OF GNATCATCHER HABITAT SUITABILITY IN THE COUNTY OF ORANGE PARKS SYSTEM. 1991-07-XX
ENV15U0001	ENVIRONMENTAL INTELLIGENCE - METHODS, RESULTS AND CONCLUSIONS OF THE 2015 PRESENCE/ABSENCE SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER AT THE PROPOSED SAFARI 33/12KV SUBSTATION PROJECT. 2015-06-01
FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
GAL03F0010	GALVIN, P. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-06-04
GAL04F0040	GALVIN, P. (HARMSWORTH ASSOCIATES) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 2004-06-15
GRI96R0002	GRIFFITH WILDLIFE BIOLOGY (GRIFFITH WILDLIFE BIOLOGY) - 1995 SAN JOAQUIN HILLS BURN AREA CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN STUDY 1996-03-11
HAR01R0001	HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX
HAR02R0003	HARMSWORTH ASSOCIATES - FINAL CALIFORNIA GNATCATCHER SURVEY FOR THE QUAIL HILL ZONE 3 & 4 RESERVOIRS AND ZONE 3 TO 4 BOOSTER STATION 2002-05-XX
HAR04R0002	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39 2004-01-XX
HAR05R0011	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2004 2005-01-XX
HAR06R0001	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2005 2006-01-XX
KAM11F0019	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2011-03-16
KUS13D0002	KUS, B. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR POLIOPTILA CALIFORNICA CALIFORNICA 2013-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
MBA03R0001	MICHAEL BRANDMAN ASSOCIATES - COASTAL CALIFORNIA GNATCATCHER REPORT LAGUNA CANYON SITE #OG36XC526 2003 -06-23
MBA05R0001	MICHAEL BRANDMAN ASSOCIATES - COASTAL CALIFORNIA GNATCATCHER REPORT LAGUNA CANYON SITE #LSANCA3138B CELLULAR COMMUNICATION STATION 2005-04-12
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX
PAY04U0001	PAYNE, T. - SUMMARY OF BIOLOGICAL MONITORING SURVEYS FOR THE CALIFORNICA GNATCATCHER CALTRANS CONSTRUCTION PROJECTS STATE ROUTE 73 (SAN JOAQUIN HILLS TOLL ROAD). 2004-03-09
QUO03F0001	QUON, I. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-03-21
QUO03F0002	QUON, I. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-03-28
QUO03F0003	QUON, I. ET AL. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-04-04
QUO03F0004	QUON, I. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-04-11
QUO03F0005	QUON, I. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-04-19
QUO03F0006	QUON, I. ET AL. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-04-25
QUO03F0007	QUON, I. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-05-02
QUO03F0008	QUON, I. ET AL. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-05-12
QUO03F0009	QUON, I. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-05-16
QUO03F0010	QUON, I. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-05-24
QUO03F0011	QUON, I. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-05-29
QUO03F0012	QUON, I. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-06-06
QUO03F0013	QUON, I. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-06-16
QUO03F0014	QUON, I. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-06-19
QUO03F0015	QUON, I. ET AL. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-06-27
QUO03F0016	QUON, I. ET AL. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-07-04
QUO03F0017	QUON, I. ET AL. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-07-11

QUO03F0018	QUON, I. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-07-17
QUO03F0019	QUON, I. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-07-25
QUO03R0003	QUON, I. (LSA ASSOCIATES, INC.) - AGENCY REPORTING FORMS FOR LAGUNA CANYON ROAD, CONSTRUCTION MONITORING. 2003-10-30
SCE20D0001	SOUTHERN CALIFORNIA EDISON - SOUTHERN CALIFORNIA BIOLOGY DATA EXPORT FOR 2019 2020-04-08
VAN19A0001	VANDERGAST, A. ET AL. - DISTINGUISHING RECENT DISPERSAL FROM HISTORICAL GENETIC CONNECTIVITY IN THE COASTAL CALIFORNIA GNATCATCHER. SCIENTIFIC REPORTS 9:1355. 2019-02-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	20715	**EO Index:**	9497
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	259	**Occurrence Last Updated:**	2021-06-02

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2018-05-21	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY-ALISO/WOOD CYN RP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALISO/WOOD CANYONS REGIONAL PARK, WEST OF SHEEP HILLS, 2 MI EAST OF LAGUNA BEACH.

Detailed Location:

DIEGAN COASTAL SAGE SCRUB COVERS MOST OF THE WEST- AND SOUTH-FACING SLOPES AND RIDGELINES.

Ecological:

HABITAT IS MODERATE TO HIGH QUALITY DIEGAN COASTAL SAGE SCRUB.

Threats:

General:

2 PAIRS AND 1 INDIVIDUAL MALE WERE OBSERVED IN 1991. 1 PAIR DETECTED BETWEEN 14 MAY AND 20 JUL 2010. 1 PAIR DETECTED IN 2016. 1 TERRITORIAL MALE DETECTED ON 21 MAY 2018. NONE DETECTED BETWEEN 15 MAR AND 30 APR 2020.

PLSS:	T07S, R08W, Sec. 19 (S)	**Accuracy:**	non-specific area	**Area (acres):**	196
UTM:	Zone-11 N3712804 E430684	**Latitude/Longitude:**	33.55263 / -117.7467	**Elevation (feet):**	506

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

EAA91R0001	ED ALMANZA & ASSOCIATES - A PRELIMINARY ASSESSMENT OF GNATCATCHER HABITAT SUITABILITY IN THE COUNTY OF ORANGE PARKS SYSTEM. 1991-07-XX
ICF10R0003	ICF (ICF INTERNATIONAL, INC.) - ALISO & WOOD CANYONS WILDERNESS PARK MATHIS SERVICE ROAD/TRAIL REPAIR PROJECT 2010 FOCUSED SURVEY REPORT SOUTHWESTERN WILLOW FLYCATCHER AND LEAST BELL'S VIREO. 2010-09-XX
KAM16D0001	KAMADA, D. - 2016 SENSITIVE SPECIES SIGHTINGS DURING LEAST BELL'S VIREO NEST SEARCHING IN VENTURA COUNTY AND CALIFORNIA GNATCATCHER OBSERVATIONS IN ORANGE COUNTY[SC-001360]. 2016-XX-XX
KAM16F0004	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001360]. 2016-03-15
KAM18D0001	KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	20436	**EO Index:**	20056
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBJ08081
Occurrence Number:	264	**Occurrence Last Updated:**	2010-08-04

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	1992-02-03	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1992-02-03	**Occurrence Rank:**	Poor
Owner/Manager:	PVT-IRVINE CO	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

LOMAS DE SANTIAGO, 1 MI EAST OF RED HILL, EAST OF TUSTIN.

Detailed Location:

CALIFORNIA GNATCATCHERS FOUND ALONG A GENTLE, SOUTH-FACING SLOPE.

Ecological:

3 FEB 1992: HABITAT IS MOSAIC OF COASTAL SAGE SCRUB, SOUTHERN CACTUS SCRUB, ANNUAL GRASSLAND, & INTRODUCED EUCALYPTUS FOREST. OVER 50% OF HABITAT IS GRADED BUT NOT YET BUILT ON. 2009 AERIAL PHOTOS SHOW THAT MOST OF SITE IS DEVELOPED.

Threats:

THREATS INCLUDE HABITAT REMOVAL (GRUBBING, GRADING, INDIRECT IMPACTS FROM EUCALYPTUS REMOVAL); SOME DEVELOPMENT THREAT.

General:

3 FEB 1992: 5 ADULTS OBSERVED FORAGING.

PLSS:	T05S, R09W, Sec. 12, SW (S)	**Accuracy:**	1/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3734423 E428096	**Latitude/Longitude:**	33.74744 / -117.77631	**Elevation (feet):**	300

County Summary:	**Quad Summary:**
Orange	Tustin (3311767), Orange (3311777)

Sources:

ROB92F0005 ROBERTS, F. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1992-02-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	21606	**EO Index:**	19676
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	272	**Occurrence Last Updated:**	2021-07-12

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY-LAGUNA COAST WP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAN JOAQUIN HILLS, 1.5 MI WNW OF THE JUNCTION OF MOULTON PARKWAY AND EL TORO ROAD.

Detailed Location:

ONE PAIR LOCATED JUST WITHIN THE EASTERN BOUNDARY OF LAGUNA LAUREL REGIONAL PARK.

Ecological:

HABITAT IS COASTAL SAGE SCRUB, VEGETATED BY AN UNDERSTORY SAGEBRUSH, BUCKWHEAT, CACTUS, AND MONKEY FLOWER, AND AN OVERSTORY OF ELDERBERRY, LEMONADEBERRY, AND LAUREL SUMAC.

Threats:

THREATENED BY A PROPOSED TOLL ROAD.

General:

1 PAIR OBSERVED IN 1991. 1 PAIR DETECTED ON 16 MAY 2010. NONE DETECTED IN AREA MAR-APR 2016. DETECTED BETWEEN 15 MAR AND 24 JUN 2020.

PLSS:	T06S, R08W, Sec. 30 (S)	**Accuracy:**	1/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3719871 E430393	**Latitude/Longitude:**	33.61635 / -117.75038	**Elevation (feet):**	350

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

CHA91R0001	CHAMBERS GROUP, INC. - LAGUNA LAUREL BIOLOGICAL RESOURCES REPORT (FINAL) 1991-09-XX
GAL12D0001	GALVIN, P. (HARMSWORTH ASSOCIATES) - EXCEL SPREADSHEETS OF SPECIES DETECTED AT ALBERHILL AND NORTH RANCH 2012-01-25
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	33822	**EO Index:**	9693
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	279	**Occurrence Last Updated:**	2021-06-24

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-07-14	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-07-14	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY, UNKNOWN	**Trend:**	Decreasing
Presence:	Presumed Extant		

Location:

ORANGE COUNTY GREAT PARK, NORTHEAST OF IRVINE BLVD AND ALTON PKWY INTERSECTION AND SOUTHWEST OF HWY 241, IRVINE.

Detailed Location:

ALTON PARKWAY EXTENSION (SOUTH PORTION OF MAPPED AREA), MAGAZINE ROAD LANDFILL (INSTALLATION RESTORATION PROGRAM (IRP) SITE 2) AND COMMUNICATION STATION LANDFILL (IRP SITE 17).

Ecological:

COASTAL SAGE SCRUB HABITAT. FORMERLY THE EL TORO MCAS LANDFILL SITE, OPERATIONAL BETWEEN 1950S-1980S. FIRES BURNED SITE IN 1998 AND 2007. DECREASE IN CAGN BETWEEN 1994 AND 2012 ATTRIBUTED TO FIRE; VEGETATION STILL RECOVERING IN 2012.

Threats:

EXTENSION OF ALTON PARKWAY, BROWN-HEADED COWBIRDS OBSERVED, FIRES, HISTORICAL LANDFILL/MILITARY OPERATIONS.

General:

'91: 1FAM. '94: 68PR, 24INDIV. '96: 56PR, 13INDIV, 26JUV. OBS '99-'06. '00-'01: 10PRS, 1AD. '02: 3PR, 2FAM, 3INDIV. '08: 3PR, 4INDIV. '12: 52PR. '14:2PR. '15: 4PR, 4-5INDIV. '16: 5PR, 2JUV, 5INDIV. '17: 1PR. '18: 2PR, 1AD. '20: 2PR, 5JUV.

PLSS:	T06S, R08W, Sec. 2 (S)	**Accuracy:**	non-specific area	**Area (acres):**	1,144
UTM:	Zone-11 N3726694 E435678	**Latitude/Longitude:**	33.67822 / -117.69391	**Elevation (feet):**	569

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

AGU17F0002	AGUAYO, J. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2017-05-03
AGU17R0001	AGUAYO, J. & A. HEREDIA (PSOMAS ENGINEERING) - 2017 RESULTS OF A COASTAL CALIFORNIA GNATCATCHER SURVEY FOR THE ON-SITE MITIGATION PROGRAM FOR THE ALTON PARKWAY EXTENSION PROJECT, ORANGE COUNTY, CALIFORNIA 2017-08-21
AGU20F0013	AGUAYO, J. (PSOMAS ENGINEERING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-07-14
AIM07R0001	AIMAR, M. (SANTA ANA WATERSHED ASSOCIATION) - HERPETOLOGICAL SURVEYS OF THE SANTA ANA WATERSHED IN RIVERSIDE AND ORANGE COUNTIES, CALIFORNIA 2003-2007 2007-XX-XX
BER15R0001	BERGMAN, E. ET AL. (DUDEK AND ASSOCIATES) - RESULTS OF THE 2015 COASTAL CALIFORNIA GNATCATCHER FOCUSED SURVEYS FOR THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA ORANGE COUNTY OPERATING REGION'S PROPOSED DISTRIBUTION 2015-12-15
CLA12D0003	CLARK, K. (SAN DIEGO NATURAL HISTORY MUSEUM) - SPREADSHEET OF CALIFORNIA GNATCATCHER DETECTIONS AT THE EL TORO CONSERVATION AREA, 2012. 2012-08-XX
CLA12R0003	CLARK, K. (SAN DIEGO NATURAL HISTORY MUSEUM) - CALIFORNIA GNATCATCHER AND CACTUS WREN SURVEYS AT THE EL TORO CONSERVATION AREA 2012-10-10

CLA13R0002	CLARK, K. (SAN DIEGO NATURAL HISTORY MUSEUM) - EL TORO CONSERVATION AREA POST-FIRE ASSESSMENT. PREPARED FOR THE NATURE RESERVE OF ORANGE COUNTY, IRVINE, CA. 2013-05-13
DAV17R0001	DAVENPORT, L. - YEAR 2016 RESULTS OF FOCUSED SURVEYS FOR COASTAL CALIFORNIA GNATCATCHER AT THE REMEDIAL ACTION AT INSTALLATION RESTORATION PROGRAM SITE 1 - FORMER MARINE CORPS AIR STATION EL TORO 2017-01-31
DEL18D0002	DELUNA, A. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA DETECTIONS, 2018 [SC-012609] 2018-XX-XX
FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
GIB94U0003	GIBB, J. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. 1994-XX-XX
HAR01R0004	HARMSWORTH ASSOCIATES - REPORT ON BIOLOGICAL SURVEYS FOR THE IRVINE NORTHERN SPHERE 2001-10-XX
HER14R0004	HEREDIA, A. & J. AGUAYO (BONTERRA CONSULTING) - RESULTS OF A COASTAL CALIFORNIA GNATCATCHER SURVEY FOR THE ON-SITE MITIGATION PROGRAM FOR THE ALTON PARKWAY EXTENSION PROJECT, ORANGE COUNTY, CALIFORNIA 2014-12-03
HER14R0005	HEREDIA, A. & J. AGUAYO (BONTERRA CONSULTING) - RESULTS OF A COASTAL CALIFORNIA GNATCATCHER SURVEY FOR THE ALTON PARCEL IN THE CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA 2014-10-23
HER14R0006	HEREDIA, A. & J. AGUAYO (BONTERRA CONSULTING) - RESULTS OF A COASTAL CALIFORNIA GNATCATCHER SURVEY FOR THE EAST ALTON PARCEL IN THE CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA 2014-10-23
HER18R0002	HEREDIA, A. & J. AGUAYO (PSOMAS ENGINEERING) - 2018 RESULTS OF A COASTAL CALIFORNIA GNATCATCHER SURVEY FOR THE ON-SITE MITIGATION PROGRAM FOR THE ALTON PARKWAY EXTENSION PROJECT, ORANGE COUNTY, CALIFORNIA 2018-09-18
HER18R0007	HEREDIA, A. & J. AGUAYO (PSOMAS ENGINEERING) - 2018 RESULTS OF THE LEAST BELL'S VIREO SURVEY FOR THE ON-SITE MITIGATION PROGRAM FOR THE ALTON PARKWAY EXTENSION PROJECT, ORANGE COUNTY, CALIFORNIA 2018-09-18
KEA91U0001	KEANE, K. - LETTER ON THE RESULTS OF A BIOLOGICAL SURVEY FOR THE PROPOSED EXTENSION OF ALTON PARKWAY IN ORANGE COUNTY. 1991-07-12
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA09R0001	LEATHERMAN BIOCONSULTING, INC. - CENTRAL RESERVE CACTUS WREN HABITAT ASSESSMENT AND SURVEY 2008 2009-02-XX
LEA12F0008	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2012-06-08
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
LIN01U0001	LINCER & ASSOCIATES - PROTOCOL COASTAL CALIFORNIA GNATCATCHER SURVEYS ON SITES 2 AND 17, MCAS EL TORO, ORANGE COUNTY, CALIFORNIA. 2001-06-21
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX
ONE08F0022	O'NEAL, A. & B. DANIELS (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2008-04-14
ONE08U0001	ONEAL, A. (BONTERRA CONSULTING) - RESULTS OF FOCUSED PRESENCE/ABSENCE SURVEYS FOR THE LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER ON THE ALTON PARKWAY EXTENSION PROJECT SITE 2008-08-25
RIC15R0001	RICHARDS, P. (ICF INTERNATIONAL, INC.) - 45-DAY REPORT-PRESENCE/ABSENCE SURVEYS FOR LEAST BELL'S VIREO AND COASTAL CA. GNATCATCHER FOR THE ALTON PARKWAY EXTENSION PROJECT ON-SITE MITIGATION PROGRAM, IRVINE, ORANGE CO, CA 2015-09-11
RIC16F0005	RICHARDS, P. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-06-17
RIC16R0003	RICHARDS, P. (ICF INTERNATIONAL, INC.) - 2016 LEAST BELL'S VIREO AND COASTAL CALIFORNIA GNATCATCHER PRESENCE/ABSENCE SURVEY RESULTS FOR THE ALTON PARKWAY EXTENSION PROJECT ON-SITE MITIGATION PROGRAM 2016-11-08
WHI02U0001	WHITE & LEATHERMAN BIOSERVICES - RESULTS OF FOCUSED SURVEYS FOR THE SOUTHWESTERN WILLOW FLYCATCHER, LEAST BELL'S VIREO AND CALIFORNIA GNATCATCHER FOR THE ALTON PARKWAY EXTENSION PROJECT, ORANGE COUNTY. 2002-09-12
WIN16F0007	WINKLEMAN, R. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-12-14

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	21286	**EO Index:**	9344
Key Quad:	Dana Point (3311746)	**Element Code:**	ABPBJ08081
Occurrence Number:	281	**Occurrence Last Updated:**	2021-06-24

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-08-03	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-08-03	**Occurrence Rank:**	Good
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ABOUT 0.7 MI NORTH OF PRIMA DESHECHA CANADA & 0.5 MI SOUTH OF THE SAN JUAN RIVER, 2.5 MI E OF SAN JUAN CAPISTRANO.

Detailed Location:

WHISPERING HILLS DEVELOPMENT SITE.

Ecological:

HABITAT: COASTAL SAGE SCRUB (MOSTLY DISTURBED BUT W/SOME HIGH QUALITY ON STEEP SLOPES), RIPARIAN WOODLAND, GRASSLAND. EAST PORTION OF SITE WAS DEVELOPED IN 2000S. DEVELOPMENT TO N, DEVELOPMENT/OPEN SPACE TO W & LANDFILL TO S.

Threats:

DEVELOPMENT. PIPELINE ALIGNMENT IN AREA. GRAZING. FIRES. NON-NATIVE PLANTS. COWBIRDS. LANDFILL OP. ROAD CONSTRUCTION

General:

'99:15 TER. '01-'02:7 PR, 5 INDIV, 7 JUV. '03: 2-3 PRS. '04:1PR. '06: 10 PR. '07: 7PR, 3 INDIV. '08: 2 TER, 11 INDIV. '10: 2 PR, 2 MALES. '11:2 TER. '12:2 TER. '13:1 TER. '15: 2NESTS.'16: UP TO 19 INDIV. '17: 3 NESTS. '20:1 TER.

PLSS:	T08S, R07W, Sec. 8 (S)	**Accuracy:**	non-specific area	**Area (acres):**	544
UTM:	Zone-11 N3706599 E441841	**Latitude/Longitude:**	33.49733 / -117.62611	**Elevation (feet):**	498

County Summary:	**Quad Summary:**
Orange	San Clemente (3311745), Dana Point (3311746), Canada Gobernadora (3311755), San Juan Capistrano (3311756)

Sources:

AGU17F0009	AGUAYO, J. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2017-07-19
BON02U0003	BONTERRA CONSULTING - RESULTS OF PRE-CONSTRUCTION COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR THE CAPISTRANO VALLEY WATER DISTRICT SC-04 SOUTH CONNECTOR PIPELINE PROJECT, SAN JUAN CAPISTRANO. 2002-07-19
BON99U0003	JOHNSTON, A. & B. DANIELS (BONTERRA CONSULTING) - RESULTS OF COASTAL CALIFORNIA GNATCATCHER SURVEY ON THE WHISPERING HILLS PROJECT SITE, CITY OF SAN JUAN CAPISTRANO, ORANGE COUNTY, CALIFORNIA. 1999-05-11
CHA08R0003	CHAMBERS GROUP, INC. (CHAMBERS GROUP, INC.) - RESULTS OF THE 2008 FOCUSED COASTAL CALIFORNIA GNATCATCHER SURVEYS AT PRIMA DESHECHA LANDFILL. 2008-08-29
COU02F0003	COUFFER, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2002-07-11
COU02F0004	COUFFER, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2002-07-11
COU02F0005	COUFFER, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2002-07-14
COU06F0040	COUFFER, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2006-03-02
COU06F0041	COUFFER, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2006-05-28
COU06F0042	COUFFER, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2006-05-28

COU06F0043	COUFFER, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2006-05-13
COU06F0044	COUFFER, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2006-05-07
COU06F0045	COUFFER, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2006-05-07
COU06F0046	COUFFER, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2006-03-02
COU06F0047	COUFFER, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2006-05-13
COU06F0048	COUFFER, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2006-05-07
COU06F0049	COUFFER, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2006-05-07
COU06U0002	COUFFER, M. - RESULTS OF FOCUSED PRESENCE/ABSENCE SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER WITHIN THE WHISPERING HILLS PROJECT SITE. 2006-06-17
COU07R0002	COUFFER, M. - 2006 ANNUAL REPORT FOR PERMIT TE-782703-6 2007-01-15
EDW02F0018	EDWARDS, C. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2002-01-04
ERI11R0001	ERICKSON, R. (LSA ASSOCIATES, INC.) - THREATENED AND ENDANGERED BIRD NEST MONITORING FOR 2011 AT THE PRIMA DESHECHA LANDFILL, ORANGE COUNTY, CALIFORNIA 2011-09-XX
ERI11S0012	ERICKSON, R. - WFVZ #183997 COLLECTED FROM ORANGE COUNTY, 33.492292, -117.628673 2011-06-22
ERI15S0001	ERICKSON, R. - WFVZ #192416 COLLECTED FROM ORANGE COUNTY 33.497111, -117.617877 2015-04-01
ERI15S0008	ERICKSON, R. - WFVZ #194792 COLLECTED FROM ORANGE COUNTY 33.496597, -117.617873 2015-06-08
ERI16F0013	ERICKSON, R. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-01-13
FRA17R0001	FRANKLIN, H. (CHAMBERS GROUP, INC.) - RESULTS OF THE 2016 FOCUSED SURVEYS FOR COASTAL CALIFORNIA GNATCATCHER FOE THE SAN DIEGO GAS & ELECTRIC SOUTH ORANGE COUNTY RELIABILITY ENHANCEMENT PROJECT, ORANGE AND SAN DIEGO CO 2017-01-30
GOR17R0002	GORMAN, L. ET AL. (CHAMBERS GROUP, INC.) - RESULTS OF THE 2016 FOCUSED SURVEYS FOR LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER FOR THE SAN DIEGO GAS & ELECTRIC SOUTH ORANGE COUNTY RELIABILITY ENHANCEMENT PROJECT 2017-01-31
JOH17R0002	JOHNSTON, A. ET AL. (PSOMAS ENGINEERING) - RESULTS OF A COASTAL CALIFORNIA GNATCATCHER SURVEY FOR THE SOUTH COUNTY TRAFFIC RELIEF EFFORT PROJECT, ORANGE COUNTY, CALIFORNIA 2017-11-07
KLE01R0001	KLEIN, M. (KLEIN-EDWARDS PROFESSIONAL SERVICES) - RESULTS OF PROTOCOL SURVEYS PERFORMED FOR COASTAL CALIFORNIA GNATCATCHER AT THE WHISPERING HILLS SITE, CITY OF SAN JUAN CAPISTRANO, ORANGE COUNTY, CALIFORNIA. 2001-07-26
LEV07U0002	LEVINE, D. - MEMO AND MAP FOR COASTAL CALIFORNIA GNATCATCHER DETECTION NEAR SAN JUAN CAPISTRANO, ORANGE COUNTY 2007-12-14
LSA12R0001	LSA ASSOCIATES, INC. - 2012 THREATENED AND ENDANGERED BIRD NEST MONITORING PRIMA DESHECHA LANDFILL, ORANGE COUNTY, CALIFORNIA 2012-09-XX
LSA13R0001	LSA ASSOCIATES, INC. - 2013 THREATENED AND ENDANGERED BIRD NEST MONITORING PRIMA DESECHA LANDFILL, ORANGE COUNTY, CALIFORNIA 2013-09-XX
LSA15R0001	LSA ASSOCIATES, INC. - 2015 THREATENED AND ENDANGERED BIRD NEST MONITORING PRIMA DESHECHA LANDFILL, ORANGE COUNTY, CALIFORNIA 2015-09-XX
LSA16R0001	LSA ASSOCIATES, INC. (LSA ASSOCIATES, INC.) - 2016 THREATENED AND ENDANGERED BIRD NEST MONITORING, PRIMA DESHECHA LANDFILL. [SC-000777]. 2016-09-XX
LSA17R0002	LSA ASSOCIATES, INC. - 2017 THREATENED AND ENDANGERED BIRD NEST MONITORING, PRIMA DESHECHA LANDFILL, ORANGE CO, CA 2017-08-XX
MED03R0001	MEDIEROS, G. & M. COUFFER (BONTERRA CONSULTING) - RESULTS OF FOCUSED PRESENCE/ABSENCE SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER WITHIN PRIMA DESHECHA LANDFILL, CITIES OF SAN JUAN CAPISTRANO, SAN CLEMENTE, ORANGE COUNTY 2003-07-29
MED04R0002	MEDEIROS, G. ET AL. (BONTERRA CONSULTING) - REULTS OF FOCUSED PRESENCE/ABSENCE SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER WITHIN PRIMA DESHECHA LANDFILL. 2004-04-23
MED06U0001	MEDEIROS, G. (BONTERRA CONSULTING) - RESULTS OF FOCUSED PRESENCE/ABSENCE SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER FOR THE PRIMA DESHECHA LANDFILL. 2006-06-13
NRC02U0001	NATURAL RESOURCE CONSULTANTS - METHODS, RESULTS AND CONCLUSIONS OF FOCUSED COASTAL CALIFORNIA GNATCATCHER (POLIOPTILA CALIFORNICA CALIFORNICA) SURVEYS WITHIN THE WHISPERING HILLS SURVEY AREA SEP 2001 - JAN 2002. 2002-04-29
SHA20F0004	SHAFFER, S. (ECORP CONSULTING, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-08-03
SHA20R0001	SHAFFER, S. (ECORP CONSULTING, INC.) - THREATENED AND ENDANGERED BIRD SPECIES FOCUSED SURVEYS AND NEST MONITORING REPORT-PRIMA DESHECHA LANDFILL, ORANGE COUNTY, CALIFORNIA 2020-09-XX
TRC08U0001	TRC (TRC SOLUTIONS) - 2008 COASTAL CALIFORNIA GNATCATCHER SURVEY REPORT FOR SAN DIEGO GAS & ELECTRIC'S PROPOSED ORANGE COUNTY TRANSMISSION EXPANSION PROJECT. 2008-10-01

TRC10U0001 TRC (TRC SOLUTIONS) - 2010 COASTAL CALIFORNIA GNATCATCHER SURVEY REPORT FOR SAN DIEGO GAS & ELECTRIC PROPOSED SOUTH ORANGE COUNTY RELIABILITY UPGRADE PROJECT. 2010-07-23

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	21279	**EO Index:**	8376
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	283	**Occurrence Last Updated:**	2021-06-09

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Excellent
Owner/Manager:	UNKNOWN	**Trend:**	Decreasing
Presence:	Presumed Extant		

Location:

HILLS SURROUNDING SIPHON RESERVOIR, AT HWY 241 AND HWY 133 INTERCHANGE AND SOUTH OF BEE CANYON ACCESS RD, IRVINE.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB, DISTURBED CSS, & EUCALYPTUS WOODLAND. ENTIRE SITE BURNED IN '07 SANTIAGO FIRE. AREA JUST SW OF RESERVOIR WAS DEVELOPED INTO ATHLETICS COMPLEX IN '13. EASTERN TRANSPORTATION CORRIDOR BUILT THROUGH SITE IN '90S.

Threats:

HIGHWAY CONSTRUCTION/MODIFICATIONS, DEVELOPMENT, INVASIVE WEEDS, HABITAT FRAGMENTATION, FIRE

General:

'89: 2PRS (1 W/FLDG), 1SINGLE. '90: 13BIRDS. '91: 5-6PRS. '94: 11PRS. '99: 19 OBS. '00: 29 OBS. '01: 43 OBS. '02: 64 OBS. '03: 40 OBS. '04: 31 OBS. '11: 6PRS, 6FLDG. '12: 1PR, 2 INDIV. '15: 2PR, 4-6 FLDG, 1 AD. DETECTED, '13, '16, & '20.

PLSS:	T05S, R08W, Sec. 28, NW (S)	**Accuracy:**	non-specific area	**Area (acres):**	367
UTM:	Zone-11 N3730519 E432514	**Latitude/Longitude:**	33.71252 / -117.72833	**Elevation (feet):**	382

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

AGU15F0009	AGUAYO, J. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2015-05-06
BEN91R0001	BENNER, M. ET AL. - DRAFT EIR/EIS FOR THE EASTERN TRANSPORTATION CORRIDOR 2 (P & D TECHNOLOGIES, ORANGE COUNTY) 1991-09-XX
DEL16D0001	DELUNA, A. - TABLE OF LOCATIONS FOR CALIFORNIA GNATCATCHER TERRITORIES [SC-012609]. 2016-XX-XX
HAM19D0001	HAMILTON, R. ET AL. - SHAPEFILE OF SPECIAL STATUS SPECIES COMPILED BY MELANIE SCHLOTTERBECH AND FRIENDS OF HARBORS, BEACHES AND PARKS IN ORANGE AND SAN BERNARDINO COUNTIES, 1989-2019. 2019-10-28
HER15U0013	HEREDIA, A. & J. AGUAYO (BONTERRA CONSULTING) - RESULTS OF COASTAL CALIFORNIA GNATCATCHER SURVEY FOR THE FRANK R. BOWERMAN LANDFILL. 2015-06-12
KRI12R0001	KRIEG, E. (LSA ASSOCIATES, INC.) - PROTOCOL COASTAL CALIFORNIA GNATCATCHER SURVEY RESULTS APRIL 14 TO JUNE 19 ALONG TOLL ROADS 13, 241, AND 261, ORANGE COUNTY [SC-000777] 2012-07-09
KUS13D0002	KUS, B. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR POLIOPTILA CALIFORNICA CALIFORNICA 2013-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16D0001	LEATHERMAN, B. - COORDINATE TABLE OF CALIFORNIA GNATCATCHER DETECTIONS [SC-001562]. 2016-XX-XX
LEA16F0007	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001562]. 2016-04-15
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
LID11U0001	LIDDICOAT, T. (DUDEK AND ASSOCIATES) - 2011 CALIFORNIA GNATCATCHER PRESENCE/ABSENCE FOCUSED SURVEY REPORT FOR THE SYPHON RESERVOIR STUDY AREA. 2011-07-27
LIN94U0001	LINCER, J. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. AT LOMAS DE SANTIAGO. 1994-XX-XX
LSA04R0001	LSA ASSOCIATES, INC. (LSA ASSOCIATES, INC.) - CALIFORNIA GNATCATCHER NESTING STUDIES, EASTERN TRANSPORTATION CORRIDOR 2003. 2004-03-XX
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX
RIC15F0008	RICHARDS, P. (ICF INTERNATIONAL, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2015-08-19
RIC15U0004	RICHARDS, P. (ICF INTERNATIONAL, INC.) - COASTAL CALIFORNIA GNATCATCHER PRESENCE/ABSENCE SURVEY RESULTS FOR THE SR-241 STORM WATER MITIGATION PROJECT. 2015-09-22
VAN19A0001	VANDERGAST, A. ET AL. - DISTINGUISHING RECENT DISPERSAL FROM HISTORICAL GENETIC CONNECTIVITY IN THE COASTAL CALIFORNIA GNATCATCHER. SCIENTIFIC REPORTS 9:1355. 2019-02-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	21280	**EO Index:**	25069
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	284	**Occurrence Last Updated:**	2021-06-09

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Good
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SOUTH OF RATTLESNAKE CANYON AND NORTHWEST OF HICKS CANYON, JUST WEST OF HWY 241 AT HICKS HAUL RD, LOMA RIDGE.

Detailed Location:

Ecological:

HIGH QUALITY SAGE SCRUB MIXED WITH AREAS OF HEAVY GRAZING. SITE USE INCLUDES ASPHALT MINING.

Threats:

NEAR THE ALIGNMENT OF THE EASTERN TRANSPORTATION CORRIDOR. CONTINUED HEAVY GRAZING. MINING ACTIVITIES.

General:

1990: 2 DETECTED. 1994: 5 PAIRS, 9 INDIVIDUALS. DETECTED IN 1999, 2000, 2001, 2003, 2004. 2002: 1 ADULT MALE WITH NEST, 2 PAIRS. DETECTED IN 2006. 2012: 1 PAIR. 2015: 1 PAIR WITH FLEDGLING. DETECTED IN 2013, 2016, AND 2020.

PLSS:	T05S, R08W, Sec. 16, SW (S)	**Accuracy:**	non-specific area	**Area (acres):**	294
UTM:	Zone-11 N3732909 E432490	**Latitude/Longitude:**	33.73407 / -117.72877	**Elevation (feet):**	576

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

BEN91R0001	BENNER, M. ET AL. - DRAFT EIR/EIS FOR THE EASTERN TRANSPORTATION CORRIDOR 2 (P & D TECHNOLOGIES, ORANGE COUNTY) 1991-09-XX
BER15R0001	BERGMAN, E. ET AL. (DUDEK AND ASSOCIATES) - RESULTS OF THE 2015 COASTAL CALIFORNIA GNATCATCHER FOCUSED SURVEYS FOR THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA ORANGE COUNTY OPERATING REGION'S PROPOSED DISTRIBUTION 2015-12-15
DEL16D0001	DELUNA, A. - TABLE OF LOCATIONS FOR CALIFORNIA GNATCATCHER TERRITORIES [SC-012609]. 2016-XX-XX
FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
GAL06R0003	GALVIN, P. & B. ULRICH (HARMSWORTH ASSOCIATES) - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 1 IN 2006 2006-11-XX
GAL17R0003	GALVIN, P. (HARMSWORTH ASSOCIATES) - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 1 FOR 2016 2017-01-XX
HEN15U0003	HENRY, R. ET AL. (DUDEK AND ASSOCIATES) - RESULTS 2015 LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER FOCUSED SURVEYS FOR THE METROPOLITAN WATER DISTRICT ORANGE COUNTY OPERATING REGION'S DISTRIBUTION SYSTEM PROJECT. 2015-09-04
KRI12R0001	KRIEG, E. (LSA ASSOCIATES, INC.) - PROTOCOL COASTAL CALIFORNIA GNATCATCHER SURVEY RESULTS APRIL 14 TO JUNE 19 ALONG TOLL ROADS 13, 241, AND 261, ORANGE COUNTY [SC-000777] 2012-07-09
KUS13D0002	KUS, B. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR POLIOPTILA CALIFORNICA CALIFORNICA 2013-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16D0001	LEATHERMAN, B. - COORDINATE TABLE OF CALIFORNIA GNATCATCHER DETECTIONS [SC-001562]. 2016-XX-XX
LEA16F0007	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001562]. 2016-04-15
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
LIN94U0001	LINCER, J. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. AT LOMAS DE SANTIAGO. 1994-XX-XX
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX
PSB02R0001	PACIFIC SOUTHWEST BIOLOGICAL SERVICES - ALL AMERICAN ASPHALT IRVINE FACILITY SITE ORANGE COUNTY, CALIFORNIA, PERMIT #SP96-049 P, CHANGED PLAN #3; BIOLOGICAL ASSESSMENT AND COASTAL CALIFORNIA GNATCATCHER PROTOCOL 2002-08-22
STR16D0003	STRATTON, G. - EXCEL TABLE FOR CALIFORNIA GNATCATCHER DETECTIONS IN ORANGE COUNTY, 2016 2016-06-03
STR16F0011	STRATTON, G. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-06-03
VAN19A0001	VANDERGAST, A. ET AL. - DISTINGUISHING RECENT DISPERSAL FROM HISTORICAL GENETIC CONNECTIVITY IN THE COASTAL CALIFORNIA GNATCATCHER. SCIENTIFIC REPORTS 9:1355. 2019-02-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	21658	**EO Index:**	13680
Key Quad:	Newport Beach (3311768)	**Element Code:**	ABPBJ08081
Occurrence Number:	286	**Occurrence Last Updated:**	2021-06-09

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

NORTH MARGIN OF UPPER NEWPORT BAY, ABOUT 1.3 MILE SOUTH OF JUNCTION OF NEWPORT BLVD & PALISADES RD, SANTA ANA HEIGHTS.

Detailed Location:

SITE I1

Ecological:

FRAGMENT SIZE ABOUT 153 ACRES WITH 25 ACRES OF COASTAL SAGE SCRUB. SURROUNDED BY SUBURBAN DEVELOPMENT AND WATER. ESTIMATED THAT SITE HAS BEEN ISOLATED FOR 20-30 YEARS.

Threats:

HABITAT FRAGMENTATION

General:

PRESENCE OF GNATCATCHERS NOTED, BUT NO COUNTS ATTEMPTED; EXACT DATE NOT GIVEN (SWE92R0001). 2 PAIRS DETECTED IN 1998. 3 PAIRS (1 W/JUVENILES) AND 1 LONE MALE DETECTED IN 2003. DETECTED IN 2013, 2016, AND 2020.

PLSS:	T06S, R10W, Sec. 14 (S)	**Accuracy:**	non-specific area	**Area (acres):**	127
UTM:	Zone-11 N3723498 E417320	**Latitude/Longitude:**	33.64812 / -117.89163	**Elevation (feet):**	50

County Summary:	**Quad Summary:**
Orange	Tustin (3311767), Newport Beach (3311768)

Sources:

ATW99R0001	ATWOOD, J. ET AL. - POPULATION DYNAMICS, DISPERSAL AND DEMOGRAPHY OF CALIFORNIA GNATCATCHERS IN ORANGE CO., CALIFORNIA (1998 PROGRESS REPORT) 1999-02-06
DEL16D0001	DELUNA, A. - TABLE OF LOCATIONS FOR CALIFORNIA GNATCATCHER TERRITORIES [SC-012609]. 2016-XX-XX
DEL18D0002	DELUNA, A. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA DETECTIONS, 2018 [SC-012609] 2018-XX-XX
DEL20F0013	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-04-15
KUS13D0002	KUS, B. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR POLIOPTILA CALIFORNICA CALIFORNICA 2013-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LAN04U0001	LANGDON, S. - CALIFORNIA GNATCATCHER SURVEY FOR WESTBAY - 2003 2004-09-20
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
MEC03R0001	MEC ANALYTICAL SYSTEMS, INC. - FOCUSED SURVEY OF SALT MARSH BIRD'S-BEAK AT UPPER NEWPORT BAY, CALIFORNIA 2003-11-XX
STR16D0003	STRATTON, G. - EXCEL TABLE FOR CALIFORNIA GNATCATCHER DETECTIONS IN ORANGE COUNTY, 2016 2016-06-03
STR16F0011	STRATTON, G. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-06-03
SWE92R0001	SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. - CALIFORNIA GNATCATCHER PATCH STUDY, SAN DIEGO, CA 1992-08-13
VAN19A0001	VANDERGAST, A. ET AL. - DISTINGUISHING RECENT DISPERSAL FROM HISTORICAL GENETIC CONNECTIVITY IN THE COASTAL CALIFORNIA GNATCATCHER. SCIENTIFIC REPORTS 9:1355. 2019-02-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	30815	**EO Index:**	4176
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBJ08081
Occurrence Number:	473	**Occurrence Last Updated:**	2021-06-23

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-10-14	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-10-14	**Occurrence Rank:**	Fair
Owner/Manager:	UCNR, UNKNOWN, CITY OF IRVINE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAN DIEGO CREEK, WEST OF CAMPUS DR AND EAST OF HWY 73, NEWPORT BEACH.

Detailed Location:

CREEK ADJACENT TO SAN JOAQUIN FRESHWATER MARSH RESERVE.

Ecological:

HABITAT CONSISTS OF COASTAL SAGE SCRUB, SOUTHERN WILLOW SCRUB, AND MULE FAT SCRUB. SITE DISTURBED BY HUMAN ACTIVITIES/RECREATION, NOISE FROM ROADWAYS AND DEVELOPMENT. SITE QUALITY RATED POOR TO EXCELLENT.

Threats:

CONSTRUCTION OF THE SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR, BROWN-HEADED COWBIRDS, DEVELOPMENT, FIRE, FLOODING.

General:

1994: 1 PAIR & 1 LONE MALE. 2002: 1 PAIR. 2004: 1 INDIV. 2006: 1 PAIR. 2007: 2 PAIR & 1 MALE. 2008: 1 ADULT. DETECTED, 2012. 2016: 3 PAIRS & 3 JUV. 2017: 7 ADULTS & 2 JUV. 2018: 8 ADULTS & 6 JUV. 2019: 2 ADULTS. 2020: 11 ADULTS & 14 JUV.

PLSS:	T06S, R09W, Sec. 18 (S)	**Accuracy:**	non-specific area	**Area (acres):**	171
UTM:	Zone-11 N3723829 E420583	**Latitude/Longitude:**	33.65136 / -117.85648	**Elevation (feet):**	2

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

AND19F0011	ANDERSON, S. & A. SPENCER - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2019-08-12
BLO04R0001	BLOOM, P. - 45-DAY REPORT ON SURVEYS FOR THE LEAST BELL'S VIREO IN SAN DIEGO CREEK, IRVINE, CALIFORNIA 2004-07-24
DAN07F0014	DANIELS, B. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2007-05-23
DAN07F0015	DANIELS, B. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2007-05-23
HAM19D0001	HAMILTON, R. ET AL. - SHAPEFILE OF SPECIAL STATUS SPECIES COMPILED BY MELANIE SCHLOTTERBECH AND FRIENDS OF HARBORS, BEACHES AND PARKS IN ORANGE AND SAN BERNARDINO COUNTIES, 1989-2019. 2019-10-28
HAR02R0002	HARMSWORTH ASSOCIATES - FINAL REPORT ON AVIAN SURVEYS AT THE UC NATURAL RESERVE SYSTEM'S SAN JOAQUIN MARSH RESERVE AND ECOLOGICAL PRESERVE 2002-11-XX
HAR07R0001	HARMSWORTH ASSOCIATES - 2006 REPORT ON AVIAN SURVEYS AT THE UC NATURAL RESERVE SYSTEMS'S SAN JOAQUIN FRESHWATER MARSH RESERVE 2007-01-XX
HAR08R0001	HARMSWORTH ASSOCIATES - 2007 REPORT ON AVIAN SURVEYS AT THE UC NATURAL RESERVE SYSTEM'S SAN JOAQUIN FRESHWATER MARSH RESERVE 2008-01-XX
HER16R0001	HEREDIA, A. & J. AGUAYO (BONTERRA CONSULTING) - RESULTS OF A COASTAL CALIFORNIA GNATCATCHER SURVEY FOR THE SAN DIEGO CREEK REACH I OPERATIONS AND MAINTENANCE PROJECT, ORANGE COUNTY, CALIFORNIA 2016-08-11
HER17R0002	HEREDIA, A. & J. AGUAYO (PSOMAS ENGINEERING) - RESULTS OF THE 2017 LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER SURVEYS FOR THE SAN DIEGO CREEK REACH I OPERATIONS AND MAINTENANCE PROJECT, ORANGE COUNTY 2017-09-19
HER18R0005	HEREDIA, A. ET AL. (PSOMAS ENGINEERING) - RESULTS OF THE 2018 LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER SURVEYS FOR THE SAN DIEGO CREEK REACH 1 OPERATIONS AND MAINTENANCE PROJECT, ORANGE COUNTY, CALIFORNIA 2018-11-06
KUS12D0002	KUS, B. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR NETTED CALIFORNIA GNATCATCHER LOCATIONS DURING NON-PROTOCOL SURVEYS IN 2012 2012-XX-XX
MES20F0007	MESSETT, L. (PSOMAS ENGINEERING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-04-14
NEW94F0004	NEWKIRK, T. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1994-XX-XX
RIE08F0007	RIEFNER, R. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2008-11-08
STE20F0007	STEPHENS, J. & T. BOMKAMP (GLENN LUKOS ASSOCIATES) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-10-14
VAN19A0001	VANDERGAST, A. ET AL. - DISTINGUISHING RECENT DISPERSAL FROM HISTORICAL GENETIC CONNECTIVITY IN THE COASTAL CALIFORNIA GNATCATCHER. SCIENTIFIC REPORTS 9:1355. 2019-02-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	28422	**EO Index:**	29663
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	491	**Occurrence Last Updated:**	2021-06-24

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2018-04-03	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2018-04-03	**Occurrence Rank:**	Excellent
Owner/Manager:	UNKNOWN, PVT, ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

AGUA CHINON WASH, JUST EAST OF HWY 241 AT PORTOLA PKWY, IRVINE.

Detailed Location:

2004 LOCATION (SSE OF QUARRY) MAPPED ACCORDING TO UTM COORDINATES. 1991 LOCALITY GIVEN AS "JUST NORTH OF AGUA CHINON WASH AND JUST EAST OF AN OLD SAND & GRAVEL QUARRY."

Ecological:

FRAGMENTED COASTAL SAGE SCRUB DOMINATED BY ERIOGONUM. ADJACENT TO AGUA CHINON WASH, AN AREA OF MULEFAT SCRUB, & AN AREA CLEARED & GRADED FOR A TRANSPORTATION CORRIDOR. LOCATION IS PART OF NATURE RESERVE OF ORANGE COUNTY.

Threats:

TRANSPORTATION CORRIDOR, PROPOSED DEVELOPMENT, INVASIVE WEEDS, HABITAT FRAGMENTATION, WILDFIRE.

General:

1991: 7 INDIV, INCLUDING AT LEAST 2 JUV. 1999: 8 OBS. 2000: 15 OBS. 2001: 15 OBS. 2002: 21 OBS. 2003: 11 OBS. 2004: 3 AD, 24 OBS. 2014: 3 PRS. 2015: 2 USE AREAS, 1 ADULT W/ JUV, 1 PAIR, 6 DISPERSING JUV. NONE, 2016 & 2017. DETECTED, 2018.

PLSS:	T05S, R08W, Sec. 35, NW (S)	**Accuracy:**	non-specific area	**Area (acres):**	231
UTM:	Zone-11 N3728714 E436332	**Latitude/Longitude:**	33.69647 / -117.68699	**Elevation (feet):**	857

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

DEL18D0002	DELUNA, A. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA DETECTIONS, 2018 [SC-012609] 2018-XX-XX
GAL04F0001	GALVIN, P. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 2004-01-30
JOH17R0003	JOHNSTON, A. ET AL. (PSOMAS ENGINEERING) - RESULTS OF PRECONSTRUCTION COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR TOLLBOOTH REMOVAL ACTIVITIES, ORANGE COUNTY, CALIFORNIA 2017-07-11
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LEA14U0002	LEATHERMAN, B. - RESULTS OF FOCUSED LEAST BELL'S VIREO, CALIFORNIA GNATCATCHER, AND CACTUS WREN SURVEYS ALONG AGUA CHINON CANYON. 2014-08-22
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX
RIC15F0008	RICHARDS, P. (ICF INTERNATIONAL, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2015-08-19
RIC15U0004	RICHARDS, P. (ICF INTERNATIONAL, INC.) - COASTAL CALIFORNIA GNATCATCHER PRESENCE/ABSENCE SURVEY RESULTS FOR THE SR-241 STORM WATER MITIGATION PROJECT. 2015-09-22
SCH91F0011	SCHROEDER, M. (CHAMBERS GROUP, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1991-09-13
SCH91F0012	SCHROEDER, M. (CHAMBERS GROUP, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1991-09-13
SCH91F0013	SCHROEDER, M. (CHAMBERS GROUP, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1991-09-13
SCH91F0014	SCHROEDER, M. (CHAMBERS GROUP, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1991-09-13
SCH91F0015	SCHROEDER, M. (CHAMBERS GROUP, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1991-09-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	33815	**EO Index:**	29897
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	495	**Occurrence Last Updated:**	2021-06-18

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

LAGUNA COAST WILDERNESS PARK, BETWEEN LAGUNA CANYON ROAD AND EL TORO ROAD, SOUTHWEST OF LAGUNA HILLS.

Detailed Location:

INCLUDES THE SYHI MAPS BANDING STATION. ONE OF THE ORANGE COUNTY SUPERPARK RESEARCH AREAS, SYCAMORE HILLS PARK.

Ecological:

OPEN SPACE WITH COASTAL SAGE SCRUB. PARTS OF THE SUPERPARK BURNED IN OCTOBER 1993.

Threats:

ROAD CONSTRUCTION/MODIFICATIONS, INVASIVE WEEDS, RECREATIONAL ACTIVITIES, DEVELOPMENT.

General:

'93:12PR (BREEDING SEASON); 15-18PR & 2M (POST FIRE). '95:18PR. '97:15PR. '98:14PR. '99: 6 DET & 2PR. '00: 2 DET. '01: 7 DET & 1JUV. '02: 12 DET & 2 AD. '03: 10 DETS. '04: 20 DET. '11:4AD. '16: 4 JUV, 2 AD, & 1PR. '18:1PR. DET, '13 & '20.

PLSS:	T07S, R08W, Sec. 6 (S)	**Accuracy:**	non-specific area	**Area (acres):**	680
UTM:	Zone-11 N3717683 E429929	**Latitude/Longitude:**	33.59658 / -117.75521	**Elevation (feet):**	371

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

ATW99R0001	ATWOOD, J. ET AL. - POPULATION DYNAMICS, DISPERSAL AND DEMOGRAPHY OF CALIFORNIA GNATCATCHERS IN ORANGE CO., CALIFORNIA (1998 PROGRESS REPORT) 1999-02-06
BON94R0001	BONTRAGER, D.R. - A PRELIMINARY ASSESSMENT OF THE EFFECTS OF THE OCTOBER 1993 LAGUNA BEACH FIRE ON CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATIONS IN THE ORANGE COUNTY SUPERPARK. 1994-01-XX
BON95F0003	BONTRAGER, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1995-XX-XX
BON97F0004	BONTRAGER, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1997-XX-XX
DEL20F0013	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-04-15
FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
IBP02U0001	INSTITUTE FOR BIRD POPULATIONS - MEMO REGARDING REPORT OF BANDING ACTIVITIES ON THE NATURE RESERVE OF ORANGE COUNTY, 2001. 2002-02-20
JAM04U0002	JAMES, R. (CALIFORNIA DEPARTMENT OF TRANSPORTATION) - 45-DAY REPORT FOR CALTRANS' STATE ROUTE 73 - POSITIVE FINDINGS. 2004-01-26
KAM11F0019	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2011-03-16
KAM16D0001	KAMADA, D. - 2016 SENSITIVE SPECIES SIGHTINGS DURING LEAST BELL'S VIREO NEST SEARCHING IN VENTURA COUNTY AND CALIFORNIA GNATCATCHER OBSERVATIONS IN ORANGE COUNTY[SC-001360]. 2016-XX-XX
KAM16F0004	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001360]. 2016-03-15
KUS13D0002	KUS, B. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR POLIOPTILA CALIFORNICA CALIFORNICA 2013-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07
NEL99U0008	NELSON, S. (PCR SERVICES CORPORATION) - RESULTS OF FOCUSED CALIFORNIA GNATCATCHER SURVEYS ON THE ALISO CREEK ROAD PROPERTY. 1999-06-16
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX
RIC16F0004	RICHARDS, P. (ICF INTERNATIONAL, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-09-23
RIC17R0002	RICHARDS, P. (ICF INTERNATIONAL, INC.) - 45-DAY REPORT - PRESENCE/ABSENCE SURVEYS FOR COASTAL CALIFORNIA GNATCATCHER FOR THE SR-133 SAFETY IMPROVEMENT PROJECT AT EL TORO ROAD, CITY OF LAGUNA BEACH, ORANGE CO, CALIFORNIA 2017-01-26
SCE20D0001	SOUTHERN CALIFORNIA EDISON - SOUTHERN CALIFORNIA BIOLOGY DATA EXPORT FOR 2019 2020-04-08
SMI16F0056	SMITH, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-07-17
VAN19A0001	VANDERGAST, A. ET AL. - DISTINGUISHING RECENT DISPERSAL FROM HISTORICAL GENETIC CONNECTIVITY IN THE COASTAL CALIFORNIA GNATCATCHER. SCIENTIFIC REPORTS 9:1355. 2019-02-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	33813	**EO Index:**	29893
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBJ08081
Occurrence Number:	496	**Occurrence Last Updated:**	2021-05-21

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-06-09	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY, UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAN JOAQUIN HILLS, VICINITY OF SHADY CANYON AND SHADY CANYON GOLF COURSE, 2 MILE SSW OF I-405 AT HWY 133, IRVINE.

Detailed Location:

NATURE RESERVE OF ORANGE COUNTY (NROC). SHADY CANYON AND SHADY CANYON TRIBUTARY SUPERPARK STUDY RESEARCH AREAS.

Ecological:

COASTAL SAGE SCRUB. MOST OF AREA BURNED IN OCTOBER 1993. MOST OF HABITAT REMAINING AFTER THE FIRE WAS IN THE SHADY CANYON TRIBUTARY AREA (NORTHERN PART OF POLYGON) IN AREAS WITH DENSE STANDS OF CACTUS THAT PROTECTED INTERSPERSED SAGE SCRUB.

Threats:

AREA TO NORTH OF SITE WAS DEVELOPED IN THE 2000S.

General:

1994: 2 PAIRS AND 1 INDIVIDUAL FOUND DENSE CACTUS W/ INTERSPERSED CSS. 1999: 6 DETECTIONS. 2001: 4 PAIRS, 1 SINGLES & 3 JUVENILES. 2001: 2 DETECTIONS. 2002: 3 DETECTIONS. 2003: 3 DETECTIONS. DETECTED IN 2016. NOT DETECTED IN 2020.

PLSS:	T06S, R09W, Sec. 26 (S)	**Accuracy:**	non-specific area	**Area (acres):**	517
UTM:	Zone-11 N3721183 E427219	**Latitude/Longitude:**	33.62797 / -117.7847	**Elevation (feet):**	404

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757), Tustin (3311767)

Sources:

BON94R0001	BONTRAGER, D.R. - A PRELIMINARY ASSESSMENT OF THE EFFECTS OF THE OCTOBER 1993 LAGUNA BEACH FIRE ON CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATIONS IN THE ORANGE COUNTY SUPERPARK. 1994-01-XX
GRI96R0002	GRIFFITH WILDLIFE BIOLOGY (GRIFFITH WILDLIFE BIOLOGY) - 1995 SAN JOAQUIN HILLS BURN AREA CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN STUDY 1996-03-11
HAR01R0001	HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX
STR16D0003	STRATTON, G. - EXCEL TABLE FOR CALIFORNIA GNATCATCHER DETECTIONS IN ORANGE COUNTY, 2016 2016-06-03
STR16F0011	STRATTON, G. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-06-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	40496	**EO Index:**	35503
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	521	**Occurrence Last Updated:**	2021-06-02

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2001-06-01	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2016-01-25	**Occurrence Rank:**	Fair
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

WEST OF I-5 AND EAST OF SULPHUR CREEK, APPROXIMATELY 2 MILES NE OF LAGUNA NIGUEL.

Detailed Location:

1996: CAGN LOCATED AT TWO SITES: (1) 1500-FT WEST OF THE SAN DIEGO FREEWAY AND 5800-FT SOUTH OF CROWN VALLEY PKWY, AND (2) 2000-FT WEST OF THE SAN DIEGO FREEWAY AND 7400-FT SOUTH OF CROWN VALLEY PKWY. 1994 & 2001:SOUTHERN PORTION OF SITE.

Ecological:

VENTURAN-DIEGAN TRANSITIONAL COASTAL SAGE SCRUB DOMINATED BY ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA WITH ELYMUS CONDENSATUS, OPUNTIA LITTORALIS AND OTHERS. BROWN-HEADED COWBIRDS OBSERVED ADJACENT TO CAGN TERRITORIES.

Threats:

THREATENED BY PROPOSED DEVELOPMENT - PARKING LOT, RANCHO CAPISTRANO PROJECT SITE. BROWN-HEADED COWBIRDS.

General:

2 PAIRS DETECTED IN 1994. 5 INDIVIDUALS OBSERVED ON 12 JUL 1996. 1 INDIV CALLING ON 30 JAN 2001. 1 MALE (CARRYING FOOD INTO SAGEBRUSH) AND 1 FEMALE OBS AT SAME LOCATION BETWEEN 25 APR & 1 JUN 2001. NONE DETECTED JUST N OF SITE IN 2015-2016.

PLSS:	T07S, R08W, Sec. 26, NE (S)	**Accuracy:**	non-specific area	**Area (acres):**	50
UTM:	Zone-11 N3711155 E436790	**Latitude/Longitude:**	33.53814 / -117.68080	**Elevation (feet):**	320

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

BRA96F0003	BRAMLET, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1996-07-12
MER01U0006	MERKEL & ASSOCIATES, INC. - 45-DAY LETTER REPORT OF FOCUSED COASTAL CALIFORNIA GNATCATCHER (POLIOPTILA CALIFORNICA CALIFORNICA) PRESENCE/ABSENCE SURVEYS FOR THE RANCHO CAPISTRANO PROJECT, SAN JUAN CAPISTRANO. 2001-07-13
RIC16R0001	RICHARDS, P. (ICF INTERNATIONAL, INC.) - 45-DAY REPORT - COASTAL CA. GNATCATCHER PRESENCE/ABSENCE SURVEY RESULTS FOR THE SUNPOINTE RESIDENTIAL DEVELOPMENT PROJECT LOCATED IN THE CITY OF LAGUNA NIGUEL, ORANGE COUNTY, CA 2016-03-02
TAY94U0004	TAYLOR, S. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. 1994-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52073	**EO Index:**	52073
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	717	**Occurrence Last Updated:**	2021-05-28

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	1997-03-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1997-03-XX	**Occurrence Rank:**	None
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Possibly Extirpated		

Location:

ALONG THE EAST SIDE OF ARROYO TRABUCO AND 1.9 MILES EAST OF I-5; APPROXIMATELY 2 MILES SE OF MISSION VIEJO.

Detailed Location:

Ecological:

HABITAT CONSISTS OF COASTAL SAGE SCRUB DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, MIMULUS AURANTIACUS AND OPUNTIA LITTORALIS. AERIAL IMAGERY SHOWS SITE WAS DEVELOPED IN THE 2000S.

Threats:

DEVELOPMENT (LADERA PLANNED COMMUNITY).

General:

2 PAIRS OBSERVED BETWEEN 12 AND 26 MAR 1997. SITE HAS BEEN DEVELOPED; LIKELY EXTIRPATED.

PLSS:	T07S, R07W, Sec. 08 (S)	**Accuracy:**	specific area	**Area (acres):**	14
UTM:	Zone-11 N3714780 E440649	**Latitude/Longitude:**	33.57105 / -117.63948	**Elevation (feet):**	500

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

MBA97U0001 LEVERETT, A. & M. BRANDMAN - SUBMITTAL REQUIREMENTS FOR CALIFORNIA GNATCATCHER SURVEYS ON LADERA PLANNED COMMUNITY, ORANGE COUNTY. 1997-05-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52103	**EO Index:**	52103
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	719	**Occurrence Last Updated:**	2021-06-01

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-06-03	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2016-06-03	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY-SALT CREEK RP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SOUTH AND WEST OF SAN JUAN CANYON, NORTH OF BEACON HILL WAY, WNW OF SAN JUAN CAPISTRANO.

Detailed Location:

SALT CREEK CORRIDOR REGIONAL PARK, OPEN SPACE.

Ecological:

HABITAT IS PATCHY, DISJUNCT & CONSISTS OF HIGHLY DISTURBED TO MODERATE QUALITY COASTAL SAGE SCRUB & BROOM BACCHARIS SCRUB ON SLOPES. SCRUB SURROUNDED BY LARGE AREAS OF NON-NATIVE GRASSLAND. OPEN SPACE IS SURROUNDED BY DENSE URBANIZATION.

Threats:

General:

4 PAIRS DETECTED IN 1994. 4 PAIRS DETECTED IN THE SALT CREEK CORRIDOR RP AREA DURING SURVEYS ON 17, 25 JUL & 2 NOV 2001; 1 PAIR OBS W/ A DISPERSING JUV ON FIRST SURVEY AT THIS LOCATION OR AT EO #720. 1 PAIR & 1 MALE OBS ON 3 JUN 2016.

PLSS:	T08S, R08W, Sec. 02 (S)	**Accuracy:**	non-specific area	**Area (acres):**	62
UTM:	Zone-11 N3707820 E435657	**Latitude/Longitude:**	33.50799 / -117.69276	**Elevation (feet):**	450

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

DUD02U0007	PRIEST, J. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY AT SALT CREEK CORRIDOR REGIONAL PARK, ORANGE COUNTY, CALIFORNIA 2002-01-28
FER16D0002	FERREE, K. - AVIAN OBSERVATION DATA RELATED TO FOCUSED LEAST BELL'S VIREO AND SOUTHWESTERN FLYCATCHER SURVEYS. 2016-07-XX
TAY94U0004	TAYLOR, S. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. 1994-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52104
EO Index: 52104
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 720
Occurrence Last Updated: 2021-06-01

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2018-05-14
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2018-05-14
Occurrence Rank: Fair
Owner/Manager: ORA COUNTY-SALT CREEK RP
Trend: Unknown
Presence: Presumed Extant

Location:

SE OF GOLDEN LANTERN (ROAD), BETWEEN OAKCLIFF DRIVE AND OLD RANCH ROAD, WEST OF SAN JUAN CAPISTRANO.

Detailed Location:

SALT CREEK CORRIDOR REGIONAL PARK, OPEN SPACE.

Ecological:

HABITAT CONSISTS OF DIEGAN COASTAL SAGE SCRUB, NATIVE AND NON-NATIVE GRASSLANDS. CSS IS COMPRISED OF ARTEMISIA CALIFORNICA, SAMBUCAS MEXICANA, HETEROMELES ARBUTIFOLIA AND MALOSMA LAURINA.

Threats:

INVASIVE VEGETATION

General:

4 PAIRS OBS IN 1994. 4 PAIRS OBS IN 1997. 1 PAIR DETECTED IN THE SALT CK CORRIDOR RP AREA DURING SURVEYS IN 2001; 1 PAIR OBS W/DISPERSING JUV ON FIRST SURVEY AT THIS LOCATION OR AT EO #719. 2 PAIR & 5 INDIVIDUALS OBSERVED IN 2018.

PLSS: T08S, R08W, Sec. 2, S (S)
Accuracy: non-specific area
Area (acres): 52
UTM: Zone-11 N3707294 E436354
Latitude/Longitude: 33.50329 / -117.68523
Elevation (feet): 651

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

DUD02U0007	PRIEST, J. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY AT SALT CREEK CORRIDOR REGIONAL PARK, ORANGE COUNTY, CALIFORNIA 2002-01-28
ERI18R0001	ERICKSON, R. (LSA ASSOCIATES, INC.) - COASTAL CALIFORNIA GNATCATCHER PROTOCOL SURVEY RESULTS: MARCH 17, 2018 - APRIL 30, 2018, 1 O'HILL RIDGE PROPRTY IN LAGUNA NIGUEL, ORANGE COUNTY, CALIFORNIA; LSA PROJECT # BJN1601 2018-04-30
KAM18D0001	KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX
MER97U0002	MERKEL & ASSOCIATES, INC. - O'HILL PROPERTY SURVEYS. 1997-05-28
TAY94U0004	TAYLOR, S. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. 1994-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52119	**EO Index:**	52119
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	721	**Occurrence Last Updated:**	2021-05-27

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-04-30	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Good
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

EAST OF STREET OF THE GOLDEN LANTERN AND WEST OF I-5, NORTH SAN JUAN CAPISTRANO.

Detailed Location:

LOCATION MAPPED ACCORDING TO AERIAL PHOTOGRAPHY (FIGURE 3 FROM REPORT). AREA IS EAST OF MARINA HILLS DRIVE.

Ecological:

HABITAT IS PATCHY, DISJUNCT & CONSISTS OF HIGH QUALITY TO HIGHLY DISTURBED COASTAL SAGE SCRUB ON STEEP SLOPES DOMINATED BY ARTEMISIA CALIFORNICA. RESIDENTIAL DEVELOPMENT TO WEST, ANNUAL NON-NATIVE GRASSLAND BELOW & BETWEEN HABITAT PATCHES.

Threats:

INVASIVE WEEDS, HABITAT FRAGMENTATION

General:

5 PAIRS DETECTED BETWEEN 23 FEB AND 14 MAR 1994. 3 DETECTIONS BETWEEN 7 AUG AND 19 OCT 2001. 4 JUVENILES OBSERVED BETWEEN 11 NOV AND 9 DEC 2015. 3 PAIRS AND 1 ADULT DETECTED IN 2016. DETECTED BETWEEN 15 MAR AND 30 APR 2020.

PLSS:	T07S, R08W, Sec. 35, NE (S)	**Accuracy:**	non-specific area	**Area (acres):**	167
UTM:	Zone-11 N3709501 E437059	**Latitude/Longitude:**	33.52323 / -117.67779	**Elevation (feet):**	422

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

AHR16R0003	AHRENS, J. (GLENN LUKOS ASSOCIATES) - SUBMITTAL REPORT FOR COASTAL CALIFORNIA GNATCATCHER SURVEYS AT THE SADDLEBACK VALLEY CHRISTIAN SCHOOL SITE, CITY OF SAN JUAN CAPISTRANO, ORANGE COUNTY, CALIFORNIA 2016-07-12
DUD01U0006	PRIEST, J. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY AT STREET OF THE GOLDEN LANTERN, ORANGE COUNTY, CALIFORNIA 2001-01-28
KAM16D0001	KAMADA, D. - 2016 SENSITIVE SPECIES SIGHTINGS DURING LEAST BELL'S VIREO NEST SEARCHING IN VENTURA COUNTY AND CALIFORNIA GNATCATCHER OBSERVATIONS IN ORANGE COUNTY[SC-001360]. 2016-XX-XX
KAM16F0003	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001360]. 2016-03-15
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
RIC15F0007	RICHARDS, P. (ICF INTERNATIONAL, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2015-12-09
RIC16R0002	RICHARDS, P. (ICF INTERNATIONAL, INC.) - 45-DAY REPORT - COASTAL CALIFORNIA GNATCATCHER PRESENCE/ABSENCE SURVEY RESULTS FOR THE SAN JUAN CAPISTRANO PASSING SIDING PROJECT IN ORANGE COUNTY, CALIFORNIA 2016-03-02
TAY94U0004	TAYLOR, S. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. 1994-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52120	**EO Index:**	52120
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	722	**Occurrence Last Updated:**	2021-05-27

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Good
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

EAST OF ST CHRISTOPHER (ROAD) AND WEST OF I-5, NORTH SAN JUAN CAPISTRANO.

Detailed Location:

LOCATION MAPPED ACCORDING TO AERIAL PHOTOGRAPHY (FIGURE 3 FROM REPORT). AREA IS EAST OF SAINT CHRISTOPHER.

Ecological:

HABITAT IS PATCHY, DISJUNCT & CONSISTS OF HIGH QUALITY TO HIGHLY DISTURBED COASTAL SAGE SCRUB ON STEEP SLOPES DOMINATED BY ARTEMISIA CALIFORNICA. RESIDENTIAL DEVELOPMENT TO WEST, ANNUAL NON-NATIVE GRASSLAND BELOW & BETWEEN HABITAT PATCHES.

Threats:

FIRE

General:

4 PAIRS & 2 INDIVIDUALS DETECTED 23 FEB-14 MAR 1994. 4 DETECTIONS IN 2001. 1 PAIR DETECTED MAR, 2 PAIRS & 1 INDIVIDUAL APR-MAY 2016. 2 PAIRS & 5 ADULTS FEEDING FLEDGLINGS DETECTED ON 8 JUN 2018. DETECTED BETWEEN 15 MAR AND 24 JUN 2020.

PLSS:	T08S, R08W, Sec. 2, NE (S)	**Accuracy:**	non-specific area	**Area (acres):**	91
UTM:	Zone-11 N3708220 E437127	**Latitude/Longitude:**	33.51169 / -117.67698	**Elevation (feet):**	569

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

DUD01U0006	PRIEST, J. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY AT STREET OF THE GOLDEN LANTERN, ORANGE COUNTY, CALIFORNIA 2001-01-28
KAM16D0001	KAMADA, D. - 2016 SENSITIVE SPECIES SIGHTINGS DURING LEAST BELL'S VIREO NEST SEARCHING IN VENTURA COUNTY AND CALIFORNIA GNATCATCHER OBSERVATIONS IN ORANGE COUNTY[SC-001360]. 2016-XX-XX
KAM16F0003	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001360]. 2016-03-15
KAM18D0001	KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
LEM16R0011	LEMONS, P. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY REPORT FOR THE 2C RANCH/TRABUCO CREEK HABITAT RESTORATION PROJECT, CITY OF SAN JUAN CAPISTRANO, CALIFORNIA 2016-08-16
TAY94U0004	TAYLOR, S. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. 1994-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52138
EO Index: 52138
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 723
Occurrence Last Updated: 2021-06-09

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2020-06-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-06-24
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

NW AND SE SIDES OF MUDDY CANYON, 1.5 MILES EAST OF PELICAN HILL; SAN JOAQUIN HILLS, EAST OF NEWPORT BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

FIRES

General:

1 PAIR WITH 4 FLEDGLINGS DETECTED IN 1995. 2 PAIRS (1 PAIR EGG LAYING) AND 1 JUVENILE OBSERVED BETWEEN MAR AND JUN 2001. 1 PAIR DETECTED BETWEEN 8 MAY AND 22 AUG 2014. DETECTED IN 2016, 2017, AND BETWEEN 15 MAR AND 24 JUN 2020.

PLSS: T07S, R09W, Sec. 3, SW (S)
Accuracy: non-specific area
Area (acres): 574
UTM: Zone-11 N3716571 E424809
Latitude/Longitude: 33.58621 / -117.8103
Elevation (feet): 591

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

DEL16D0001	DELUNA, A. - TABLE OF LOCATIONS FOR CALIFORNIA GNATCATCHER TERRITORIES [SC-012609]. 2016-XX-XX
DEL17F0075	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA, INCLUDING KMZ OF DETECTIONS [SC-012609] 2017-04-26
GRI96R0002	GRIFFITH WILDLIFE BIOLOGY (GRIFFITH WILDLIFE BIOLOGY) - 1995 SAN JOAQUIN HILLS BURN AREA CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN STUDY 1996-03-11
HAR01R0001	HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX
KAM14D0001	KAMADA, D. - TABULAR RECODS FOR CACTUS WREN AND CALIFORNIA GNATCATCHER DETECTED DURING 2014 NATURE RESERVE OF ORANGE CO CACTUS SCRUB RESTORATION ASSESSMENT STUDY [SC-001360] 2014-XX-XX
KAM14F0013	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2014-05-08
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16D0001	LEATHERMAN, B. - COORDINATE TABLE OF CALIFORNIA GNATCATCHER DETECTIONS [SC-001562]. 2016-XX-XX
LEA16F0007	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001562]. 2016-04-15
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
STR16D0003	STRATTON, G. - EXCEL TABLE FOR CALIFORNIA GNATCATCHER DETECTIONS IN ORANGE COUNTY, 2016 2016-06-03
STR16F0011	STRATTON, G. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-06-03
STR17F0015	STRATTON, G. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA WITH KMZ OF DETECTIONS 2017-04-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52140
EO Index: 52140
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 725
Occurrence Last Updated: 2021-06-01

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2020-06-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-06-24
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

LOWER HILLSIDE AREA NE OF HWY 1 BETWEEN REEF POINT AND EMERALD BAY, VICINITY OF MORO CANYON, NW OF LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

1995: 2 PRS. 1999: 5 DETECTIONS. 2000: 5 DETECTIONS. 2001: 6 PRS, 2 INDIV & 1 JUV. 2002: 4 FEMALES SEEN & 3 HEARD. 2003: 10 DETECTIONS. 2004: 13 DETECTIONS. 2018: 2 ADULTS. DETECTED IN 2013, 2016, & 2020.

PLSS: T07S, R09W, Sec. 15 (S)
Accuracy: non-specific area
Area (acres): 467
UTM: Zone-11 N3714130 E424349
Latitude/Longitude: 33.56416 / -117.81505
Elevation (feet): 92

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

DEL17F0075	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA, INCLUDING KMZ OF DETECTIONS [SC-012609] 2017-04-26
FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
GRI96R0002	GRIFFITH WILDLIFE BIOLOGY (GRIFFITH WILDLIFE BIOLOGY) - 1995 SAN JOAQUIN HILLS BURN AREA CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN STUDY 1996-03-11
HAR01R0001	HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX
KUS13D0002	KUS, B. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR POLIOPTILA CALIFORNICA CALIFORNICA 2013-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16D0001	LEATHERMAN, B. - COORDINATE TABLE OF CALIFORNIA GNATCATCHER DETECTIONS [SC-001562]. 2016-XX-XX
LEA16F0007	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001562]. 2016-04-15
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX
ROM18F0011	ROMICH, M. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2018-12-17
VAN19A0001	VANDERGAST, A. ET AL. - DISTINGUISHING RECENT DISPERSAL FROM HISTORICAL GENETIC CONNECTIVITY IN THE COASTAL CALIFORNIA GNATCATCHER. SCIENTIFIC REPORTS 9:1355. 2019-02-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52141
EO Index: 52141
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 726
Occurrence Last Updated: 2021-06-01

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2020-06-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-06-24
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

AREA BETWEEN MORO CANYON AND EMERALD CANYON, ABOUT 1.3 MILES N OF HWY 1 IN EMERALD BAY, N OF LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

1 PAIR OBSERVED DURING ON 16, 30 MAY AND 22 JUN 2001. 2 DETECTIONS IN 2002, 9 IN 2003, AND 2 IN 2004. DETECTED IN 2016 AND 2020.

PLSS: T07S, R09W, Sec. 15, NE (S)
Accuracy: non-specific area
Area (acres): 157
UTM: Zone-11 N3714807 E425870
Latitude/Longitude: 33.57037 / -117.79872
Elevation (feet): 731

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

DEL17F0075	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA, INCLUDING KMZ OF DETECTIONS [SC-012609] 2017-04-26
HAR01R0001	HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16D0001	LEATHERMAN, B. - COORDINATE TABLE OF CALIFORNIA GNATCATCHER DETECTIONS [SC-001562]. 2016-XX-XX
LEA16F0007	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001562]. 2016-04-15
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52144	**EO Index:**	52144
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	727	**Occurrence Last Updated:**	2021-06-09

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

WEST SIDE OF EMERALD CANYON TO LAGUNA CANYON AND FROM LAGUNA BEACH TO 1.4 MILES NORTH OF LAGUNA BEACH.

Detailed Location:

INCLUDES THE EMCA MAPS BANDING STATION.

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

1998: 1 PAIR, 5 INDIV, 1 FEMALE W/ 2 JUV, & 1 FEMALE W/1 JUV. 2001: 16 PAIRS (2 PR W/FLEDGES, 1 FEMALE W/NESTING MATERIAL), 2 INDIV AND 4 JUV. 2002: 2 HEARD & 1 FEMALE SEEN. DETECTED IN 2016 AND BETWEEN 15 MAR AND 24 JUN 2020.

PLSS:	T07S, R09W, Sec. 14 (S)	**Accuracy:**	non-specific area	**Area (acres):**	885
UTM:	Zone-11 N3713561 E426993	**Latitude/Longitude:**	33.55922 / -117.78651	**Elevation (feet):**	533

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

CHA98R0001	CHAMBERS GROUP, INC. (CHAMBERS GROUP, INC.) - CALIFORNIA GNATCATCHER TECHNICAL REPORT OF FINDINGS FOR THE NORTH RESERVOIR PROJECT. 1998-08-XX
DEL16D0001	DELUNA, A. - TABLE OF LOCATIONS FOR CALIFORNIA GNATCATCHER TERRITORIES [SC-012609]. 2016-XX-XX
FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
HAR01R0001	HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX
IBP02U0001	INSTITUTE FOR BIRD POPULATIONS - MEMO REGARDING REPORT OF BANDING ACTIVITIES ON THE NATURE RESERVE OF ORANGE COUNTY, 2001. 2002-02-20
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07
STR16D0003	STRATTON, G. - EXCEL TABLE FOR CALIFORNIA GNATCATCHER DETECTIONS IN ORANGE COUNTY, 2016 2016-06-03
STR16F0011	STRATTON, G. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-06-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52145
EO Index: 52145
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 728
Occurrence Last Updated: 2021-05-18

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2003-05-13
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-04-30
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

WEST OF LAGUNA CANYON ROAD ABOUT 0.8 MILES SSW OF HWY 18 AT HWY 133, ABOUT 1.5 MILES NORTH OF LAGUNA BEACH.

Detailed Location:

APPEARS TO BE THE VICINITY OF BIG BEND TRAIL, ACCESSED FROM THE LAGUAL COAST WILDERNESS PARK, BIG BEND PARKING AREA.

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

DETECTED ON 3 MAY 1999. 1 PAIR & 1 JUVENILE DETECTED IN 2001. 2 HEARD ON 8 MAY, 1 MALE AND 1 FEMALE DETECTED ON 6 JUN, AND 1 MALE ON 11 JUN 2002. DETECTED IN 2003. NOT DETECTED IN 2016 AND 2020.

PLSS: T07S, R09W, Sec. 13, NE (S)
Accuracy: non-specific area
Area (acres): 104
UTM: Zone-11 N3714772 E428592
Latitude/Longitude: 33.57024 / -117.76939
Elevation (feet): 688

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
HAR01R0001	HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52593	**EO Index:**	52593
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	753	**Occurrence Last Updated:**	2021-04-05

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2015-08-07	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2015-08-07	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY, CALTRANS, UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ROUND CANYON, 0.5 MILE NW OF PORTOLA PKWY AT HWY 241, 0.7 MILE NE OF LAMBERT RESERVOIR AND NORTH OF EL TORO.

Detailed Location:

ROCA0 MAPS BANDING STATION LOCATED WITHIN THE NATURE RESERVE OF ORANGE COUNTY.

Ecological:

SAGE SCRUBLAND AND GRASSES IN A BOTTOMLAND SURROUNDED BY TWO STEEP RIDGES. DEEP RAVINE DIVIDES OAK WOODLAND FROM SAGE WOODLAND. SITE DISTURBED BY FIRE. AREA ADJACENT TO HIGHWAY WAS CUT/GRADED DURING ITS CONSTRUCTION.

Threats:

DEVELOPMENT, CONSTRUCTION OF STATE ROUTE 241, INVASIVE WEEDS, HABITAT FRAGMENTATION, WILDFIRE

General:

1 DETECTED ON 16 JUL 1999; 2 IN 2000. 3 DETECTIONS BETWEEN 23 MAR AND 23 JUN 2001. 1 HATCH YEAR CAPTURED AND BANDED ON 31 JUL 2001. 5 DETECTED IN 2002; 3 IN 2003; 1 IN 2004. 2 JUVENILES DETECTED ON 17 JUL AND 1 JUVENILE ON 7 AUG 2015.

PLSS:	T05S, R08W, Sec. 34, NE (S)	**Accuracy:**	non-specific area	**Area (acres):**	125
UTM:	Zone-11 N3729273 E435302	**Latitude/Longitude:**	33.70145 / -117.69815	**Elevation (feet):**	666

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

IBP02U0001	INSTITUTE FOR BIRD POPULATIONS - MEMO REGARDING REPORT OF BANDING ACTIVITIES ON THE NATURE RESERVE OF ORANGE COUNTY, 2001. 2002-02-20
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX
RIC15F0008	RICHARDS, P. (ICF INTERNATIONAL, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2015-08-19
RIC15U0004	RICHARDS, P. (ICF INTERNATIONAL, INC.) - COASTAL CALIFORNIA GNATCATCHER PRESENCE/ABSENCE SURVEY RESULTS FOR THE SR-241 STORM WATER MITIGATION PROJECT. 2015-09-22

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52594	**EO Index:**	52594
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	754	**Occurrence Last Updated:**	2021-04-06

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2004-07-01	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.9 MILE NORTH OF THE EAST END OF RATTLESNAKE RESERVOIR, NORTH OF THE EL TORO MARINE CORPS AIR STATION.

Detailed Location:

Ecological:

AREAS SURVEYED ON PROJECT SITE INCLUDE ALL SUITABLE HABITAT (COASTAL SAGE SCRUB AND SUB-ASSOCIATIONS).

Threats:

PROPOSED FOR RESIDENTIAL/COMMERCIAL/RECREATIONAL DEVELOPMENT (IRVINE COMMUNITY DEVELOPMENT COMPANY PLANNING AREA).

General:

1 PAIR OBSERVED ON 24 AND 30 OCT 2001. 1 PAIR DETECTED BETWEEN 18 JUN AND 1 JUL 2004. NONE DETECTED BETWEEN 15 MAR & 25 APR 2016 AND BETWEEN 15 MAR & 30 APR 2020.

PLSS:	T05S, R08W, Sec. 17, NE (S)	**Accuracy:**	1/5 mile	**Area (acres):**	70
UTM:	Zone-11 N3733907 E431724	**Latitude/Longitude:**	33.74302 / -117.73712	**Elevation (feet):**	589

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

DUD01U0007	PRIEST, J. (DUDEK AND ASSOCIATES) - CALIFORNIA GNATCATCHER SURVEY FOR THE IRVINE COMMUNITY DEVELOPMENT COMPANY PLANNING AREA 1 PROJECT, ORANGE COUNTY, CALIFORNIA 2001-12-04
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
LEM04R0001	LEMONS, P. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY FOR THE IRVINE COMMUNITY DEVELOPMENT COMPANY PLANNING AREA 1 PROJECT, ORANGE COUNTY, CALIFORNIA 2004-09-10

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52918	**EO Index:**	52918
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	787	**Occurrence Last Updated:**	2021-03-30

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2006-12-14	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY, UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

LOMA RIDGE, 0.8 MILE SW OF SANTIAGO CANYON ROAD AND 1.8 MILES NE OF RATTLESNAKE RESERVOIR, IRVINE RANCH OPEN SPACE.

Detailed Location:

IN VICINITY OF IRVINE HAUL ROAD. MAPPED ACCORDING TO LOCATIONS SHOWN ON PROJECT MAP. UTM ALSO PROVIDED FOR 2001 RECORDS, BUT DATUM WAS NOT SPECIFIED. UTM COORDINATES MAPPED AS NAD 27 FALL WITHIN OCCURRENCE BOUNDARY.

Ecological:

SURVEYS CONDUCTED IN SUITABLE COASTAL SAGE SCRUB. SITE WITHIN PROPOSED PRESCRIBED BURN AREA (2006). AREA PROPOSED FOR PRESERVATION (2001) AND NOW PART OF IRVINE RANCH OPEN SPACE PRESERVE.

Threats:

General:

1 DETECTED 1999, 3 IN 2002, 2 IN 2004. 5 DETECTED 23 MAR-12 MAY; 2 PAIRS, 4 JUVENILES & 1 SINGLE MALE ON 9 AUG; 1 SINGLE ON 13 AUG; 1 PR & 2 JUV ON 25 OCT; 1 PR ON 19 NOV 2001. 1 PR DETECTED 21 NOV-14 DEC 2006. NONE IN 2013, 2016, & 2020.

PLSS:	T05S, R08W, Sec. 15, NW (S)	**Accuracy:**	non-specific area	**Area (acres):**	153
UTM:	Zone-11 N3733939 E434350	**Latitude/Longitude:**	33.74347 / -117.70877	**Elevation (feet):**	1,188

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

GLA02U0001	GLENN LUKOS ASSOCIATES, INC. - SUBMITTAL OF THE 45-DAY REQUIREMENT FOR SURVEYS OF THE COASTAL CALIFORNIA GNATCATCHER AT THE EAST ORANGE PROJECT IN ORANGE COUNTY, CALIFORNIA. 2002-02-15
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA07U0001	LEATHERMAN, B. (WHITE AND LEATHERMAN BIOSERVICES) - RESULTS OF FOCUSED SURVEYS FOR THE CALIFORNIA GNATCATCHER AT THE HICKS CANYON ROAD PRESCRIBED BURN SITE ON LOMA RIDGE. 2007-01-05
LEA13R0001	LEATHERMAN BIOCONSULTING, INC. - CACTUS WREN HABITAT ASSESSMENT AND SURVEY, IRVINE RANCH OPEN SPACE EASEMENTS, ORANGE COUNTY, CA 2013 2013-12-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52910	**EO Index:**	52910
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	788	**Occurrence Last Updated:**	2021-02-25

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-05-05	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-05-05	**Occurrence Rank:**	Excellent
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

EAST OF SANTIAGO CREEK, SOUTH OF BAKER CANYON AND NORTHWEST OF IRVINE MESA, IRVINE RANCH OPEN SPACE.

Detailed Location:

MAPPED ACCORDING TO PROVIDED MAPS AND COORDINATES.

Ecological:

SURVEYS CONDUCTED IN SUITABLE COASTAL SAGE SCRUB. AREA IS AN OPEN SPACE PRESERVE.

Threats:

General:

2001: 2 PRS & 1 JUV. 2002: 3 PRS. 2003-'04: DETECTED. 2005: 1 PR & 1 MALE. 2011: 1 PR W/ 2 JUV. 2012: UP TO 3 PRS & 4 JUV. 2013: 2 PRS, 3 JUV, 2 INDIV. 2014: 4 INDIV. 2016: DETECTED. 2017: 8 AD & 2 NESTS. 2018: 3 AD. 2019: 2 AD. 2020: 9 AD.

PLSS:	T05S, R08W, Sec. 12 (S)	**Accuracy:**	non-specific area	**Area (acres):**	305
UTM:	Zone-11 N3734549 E438141	**Latitude/Longitude:**	33.74921 / -117.66788	**Elevation (feet):**	982

County Summary:

Orange

Quad Summary:

El Toro (3311766), Black Star Canyon (3311776)

Sources:

AIM12D0001	AIMAR, M. & S. HOFFMAN (SANTA ANA WATERSHED ASSOCIATION) - SENSITIVE SPECIES WITHIN THE SANTA ANA WATERSHED 2012-08-XX
AIM13D0001	AIMAR, M. (SANTA ANA WATERSHED ASSOCIATION) - SENSITIVE SPECIES FOR THE SANTA ANA WATERSHED ASSOCIATION 2013-08-XX
BAR13R0002	BARBEE, T. & D. MCMICHAEL (SANTA ANA WATERSHED ASSOCIATION) - US FISH AND WILDLIFE SERVICE 45-DAY SURVEY REPORT-SILVERADO CANYON 2013-05-17
DEL17F0072	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-012609] 2017-03-16
DEL18D0002	DELUNA, A. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA DETECTIONS, 2018 [SC-012609] 2018-XX-XX
DEL18F0012	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2018-03-23
DEL19F0010	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2019-04-04
DEL20F0008	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-05-05
DEL20F0012	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-04-25
FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
GAL05F0080	GALVIN, P. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2005-04-08
GLA02U0001	GLENN LUKOS ASSOCIATES, INC. - SUBMITTAL OF THE 45-DAY REQUIREMENT FOR SURVEYS OF THE COASTAL CALIFORNIA GNATCATCHER AT THE EAST ORANGE PROJECT IN ORANGE COUNTY, CALIFORNIA. 2002-02-15
GLE02R0001	GLENN LUKOS ASSOCIATES (GLENN LUKOS ASSOCIATES) - 45-DAY SURVEY REPORT OF THE COASTAL CALIFORNIA GNATCATCHER EAST ORANGE DEVELOPMENT AREAS AND IRVINE MESA, ORANGE COUNTY, CALIFORNIA 2002-09-16
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA12F0028	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2012-11-20
LEA13F0006	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2013-05-15
LEA13F0008	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2013-05-15
LEA13R0001	LEATHERMAN BIOCONSULTING, INC. - CACTUS WREN HABITAT ASSESSMENT AND SURVEY, IRVINE RANCH OPEN SPACE EASEMENTS, ORANGE COUNTY, CA 2013 2013-12-XX
LEA14U0003	LEATHERMAN, B. - RESULTS OF FOCUSED LEAST BELL'S VIREO, SOUTHWESTERN WILLOW FLYCATCHER, CALIFORNIA GNATCATCHER, AND CACTUS WREN SURVEYS ALONG LOWER SILVERADO CANYON. 2014-09-10
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	53913	**EO Index:**	53913
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	827	**Occurrence Last Updated:**	2021-06-18

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2018-05-15	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Fair
Owner/Manager:	ORA COUNTY-ALISO/WOOD CYN RP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALONG LEFT SIDE ALISO CREEK, APPROX 2 MI W OF THE INTERSECTION OF I-5 AND NIGUEL ROAD, W OF LAGUNA NIGUEL.

Detailed Location:

Ecological:

HABITAT IN AREA CONSISTS OF COASTAL SAGE SCRUB AND NATIVE GRASSLAND. SITE DISTURBED BY UNAUTHORIZED MOUNTAIN BIKE TRAILS.

Threats:

FIRE

General:

2001: UNK NUMBER OBSERVED IN 5 LOCATIONS. 2006-2007: 2 USE AREAS IDENTIFIED, 4 PAIRS & 7 INDIV. 2009: 2 PAIRS & 1 FAMILY. 2011: 1 ADULT AND 3 USE AREAS IDENTIFIED. 2016: 2 ADULT MALES. 2018: 1 ADULT & 2 PAIRS. NONE DETECTED IN 2020.

PLSS:	T07S, R08W, Sec. 29, W (S)	**Accuracy:**	non-specific area	**Area (acres):**	297
UTM:	Zone-11 N3711012 E431231	**Latitude/Longitude:**	33.5365 / -117.74067	**Elevation (feet):**	69

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

BOU09R0001	BOUCHER, C. ET AL. (RECON ENVIRONMENTAL, INC.) - RESULTS FOR THE 2009 COASTAL CALIFORNIA GNATCATCHER FOCUSED SURVEY FOR THE ALISO CREEK ECOSYSTEM RESTORATION STUDY, ORANGE COUNTY, CALIFORNIA (RECON NUMBER 5162) 2009-11-19
DUD01R0006	DUDEK & ASSOCIATES - 2001 SPRING SURVEY RESULTS FOR THE ALISO CREEK EMERGENCY SEWER AND IMPROVEMENTS PROJECT ORANGE COUNTY, CALIFORNIA 2001-10-XX
DUD01U0010	DUDEK & ASSOCIATES, INC. - LEAST BELL'S VIREO & SOUTHWESTERN WILLOW FLYCATCHER SURVEY FOR THE ALISO CREEK EMERGENCY SEWER AND PARKS IMPROVEMENT PROJECT, ORANGE COUNTY, CALIFORNIA 2001-09-10
KAM11F0014	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2011-03-16
KAM16D0001	KAMADA, D. - 2016 SENSITIVE SPECIES SIGHTINGS DURING LEAST BELL'S VIREO NEST SEARCHING IN VENTURA COUNTY AND CALIFORNIA GNATCATCHER OBSERVATIONS IN ORANGE COUNTY[SC-001360]. 2016-XX-XX
KAM16F0002	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001360]. 2016-03-15
KAM18D0001	KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
LEM07U0003	LEMONS, P. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY, ALISO CREEK WATER QUALITY SUPER PROJECT. 2007-04-11
WOT11U0001	WOTIPKA, T. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY FOR THE COASTAL TREATMENT PLANT EXPORT SLUDGE FORCE MAIN PROJECT, SOUTH ORANGE COUNTY WATER AUTHORITY, 2011-12-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53941
EO Index: 53941
Key Quad: Tustin (3311767)
Element Code: ABPBJ08081
Occurrence Number: 829
Occurrence Last Updated: 2021-06-18

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2020-06-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-06-24
Occurrence Rank: Good
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

LAGUNA RESERVOIR, JUST EAST OF LAGUNA CANYON RD AND LAKE FOREST DR INTERSECTION, NW OF LAGUNA HILLS.

Detailed Location:

Ecological:

HABITAT CONSISTS OF COASTAL SAGE SCRUB. SURROUNDING LAND CONSISTS OF OPEN SPACE AND FARMLAND. ADJACENT AREA WAS DEVELOPED IN THE 2010S.

Threats:

DEVELOPMENT, FIRE, EXOTIC SPECIES, BROWN-HEADED COWBIRDS OBSERVED

General:

2003: 1 PAIR & 1 INDIVIDUAL. 2004: 1 PAIR. 2005:1 PAIR & 1 TERR. 2006: 4 ADULTS & 3 JUV. 2015: 1 NESTING PAIR. 2016: 1 PAIR W/FLEDGLINGS & SINGLE MALE. DETECTED BETWEEN 15 MAR & 24 JUN 2020.

PLSS: T06S, R08W, Sec. 19 (S)
Accuracy: non-specific area
Area (acres): 86
UTM: Zone-11 N3722031 E430079
Latitude/Longitude: 33.6358 / -117.75394
Elevation (feet): 353

County Summary:	Quad Summary:
Orange	El Toro (3311766), Tustin (3311767)

Sources:

AMA16D0001	AMALONG, M. (ENVIRONMENTAL INTELLIGENCE) - TWO SHAPEFILES (NESTS, DETECTIONS) FOR SURVEY RESULTS FOR THE SAFARI SUBSTATION PROJECT, ORANGE COUNTY, 2016. 2016-XX-XX
BAR05F0041	BARONI, I. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2005-09-XX
BAR05U0001	BARONI, I. (LSA ASSOCIATES, INC.) - LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER SURVEYS FOR LAGUNA CANYON ROAD (SR-133) CONSTRUCTION MONITORING, ORANGE COUNTY, CALIFORNIA 2005-10-28
BAR06F0047	BARONI, I. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2006-09-17
ENV15U0001	ENVIRONMENTAL INTELLIGENCE - METHODS, RESULTS AND CONCLUSIONS OF THE 2015 PRESENCE/ABSENCE SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER AT THE PROPOSED SAFARI 33/12KV SUBSTATION PROJECT. 2015-06-01
GAL03F0010	GALVIN, P. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-06-04
GAL04F0040	GALVIN, P. (HARMSWORTH ASSOCIATES) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 2004-06-15
GAL15R0003	GALVIN, P. - REPORT ON BIRD SURVEYS IN PLANNING AREA 18 AND 39, 2015 2015-11-XX
GAL16R0004	GALVIN, P. (HARMSWORTH ASSOCIATES) - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2016 2016-07-27
HAR04R0002	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39 2004-01-XX
HAR05R0011	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2004 2005-01-XX
HAR06R0001	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2005 2006-01-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	53942	**EO Index:**	53942
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	830	**Occurrence Last Updated:**	2021-06-08

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2003-06-04	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2005-07-08	**Occurrence Rank:**	Good
Owner/Manager:	CITY OF IRVINE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.4 MILE EAST OF LAGUNA CANYON ROAD AND WEST OF VEEH RESERVOIR, NW OF LAGUNA HILLS.

Detailed Location:

FEATURE MAPPED ACCORDING TO UTM COORDINATES.

Ecological:

HABITAT CONSISTS OF COASTAL SAGE SCRUB. SURROUNDING LAND CONSISTS OF OPEN SPACE.

Threats:

General:

1 INDIVIDUAL OBSERVED 4 JUN 2003. NONE DETECTED BETWEEN 15 JUN AND 9 JUL 2004, AND 30 APR AND 8 JUL 2005.

PLSS:	T06S, R08W, Sec. 30, NE (S)	**Accuracy:**	80 meters	**Area (acres):**	0
UTM:	Zone-11 N3720544 E430538	**Latitude/Longitude:**	33.62243 / -117.74886	**Elevation (feet):**	300

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

GAL03F0010	GALVIN, P. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-06-04
HAR04R0002	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39 2004-01-XX
HAR05R0011	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2004 2005-01-XX
HAR06R0001	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2005 2006-01-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	56498	**EO Index:**	56514
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	836	**Occurrence Last Updated:**	2021-05-20

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2015-06-20	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2015-06-20	**Occurrence Rank:**	Good
Owner/Manager:	PVT, ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

VICINITY OF HOBO CANYON NE OF HWY 1, N OF ALISO BEACH, LAGUNA BEACH.

Detailed Location:

SITES INCLUDE: ALISO CREEK INN AND GOLF COURSE PROJECT SITE, DRIFTWOOD ESTATES PROPERTY, ALISO PROPERTY, ST. CATHERINE OF SIENA SCHOOL PROJECT.

Ecological:

PLANT COMMUNITIES INCLUDE SAGEBRUSH-BUCKWHEAT, COYOTE BRUSH, AND MIXED SCRUB. SURROUNDING LAND USE INCLUDES RESIDENTIAL DEVELOPMENT, CONSERVATION LAND, AND RECREATION. SITE DISTURBED BY HIKING TRAILS AND UNLEASED DOGS.

Threats:

PROPOSED DEVELOPMENT, ADJACENT URBAN USES, BROWN-HEADED COWBIRDS PRESENT.

General:

A LOCAL RESIDENT REPORTED HAVING HEARD GNATCATCHERS IN AREA EVERY SUMMER SINCE 1998. 1 JUVENILE OBSERVED ON 24 JUL 2004. 1 ADULT & 3 JUV OBS IN 2005. 1 INDIVIDUAL & 1 PAIR OBS IN 2006. 1 HEARD IN 2008. 1 FAMILY GROUP & 1 MALE OBS IN 2015.

PLSS:	T07S, R08W, Sec. 31, N (S)	**Accuracy:**	non-specific area	**Area (acres):**	128
UTM:	Zone-11 N3709465 E429914	**Latitude/Longitude:**	33.52247 / -117.75473	**Elevation (feet):**	652

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

BEC15F0001	BECK, C. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2015-05-20
BEC15F0002	BECK, C. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2015-05-20
BEC15R0001	BECK, C. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - CALIFORNIA GNATCATCHER PRESENCE/ABSENCE SURVEYS ON THE ALISO PROPERTY. 2015-07-29
BER06F0015	BERKLEY, J. & K. SZABO (PCR SERVICES CORPORATION) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2006-XX-XX
ERI07R0003	ERICKSON, R. - ST. CATHERINE OF SIENA SCHOOL PROJECT, LAGUNA BEACH: RESULTS OF FOCUSED CALIFORNIA GNATCATCHER SURVEY 2007-01-24
HAM04F0001	HAMILTON, R. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 2004-07-24
HAR06U0003	HARRISON, J. (LSA ASSOCIATES, INC.) - UPDATED BIOLOGICAL ANALYSIS FOR ST. CATHERINE OF SIENA SCHOOL PROJECT. 2006-09-08
NEL05U0003	NELSON, S. (PCR SERVICES CORPORATION) - RESULTS OF THE 2005 FOCUSED PRESENCE/ABSENCE SURVEY FOR THE COASTAL CALIFORNIA GNATCATCHER ON THE ALISO CREEK INN AND GOLF COURSE SITE. 2005-10-03
NEL06U0001	NELSON, S. & J. BERKLEY (PCR SERVICES CORPORATION) - RESULTS OF THE 2006 FOCUSED PRESENCE/ABSENCE SURVEY FOR THE COASTAL CALIFORNIA GNATCATCHER ON THE ALISO CREEK INN AND GOLF COURSE PROJECT SITE. 2006-08-25
PCR08U0003	PCR (PCR SERVICES CORPORATION) - RESULTS OF THE 2008 FOCUSED PRESENCE/ABSENCE SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER ON THE ALISO CREEK INN AND GOLF COURSE REDEVELOPMENT STUDY AREA. 2008-08-18

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	67560	**EO Index:**	67718
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBJ08081
Occurrence Number:	849	**Occurrence Last Updated:**	2021-06-11

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-07-27	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2016-07-27	**Occurrence Rank:**	Good
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.4 MILE NNE OF LAGUNA RESERVOIR AND JUST SOUTH OF I-405, NORTHWEST OF EL TORO.

Detailed Location:

LOCATION MAPPED TO UTM COORDINATES. ATTRIBUTED 2015 & 2016 DETECTIONS FROM THE VICINITY ALONG SAN DIEGO CREEK.

Ecological:

HABITAT CONSISTS OF COASTAL SAGE SCRUB. SITE SURROUNDED BY OPEN SPACE AND DEVELOPMENT. AREA TO THE WEST WAS DEVELOPED IN THE 2010S.

Threats:

DEVELOPMENT, BROWN-HEADED COWBIRD OBSERVED

General:

NONE DETECTED IN 2003. 1 PAIR OBSERVED ON 16 JUNE 2004. 1 PAIR DETECTED BETWEEN 18 APR AND 28 JUL 2005. DETECTED IN THE AREA IN 2015 AND 2016.

PLSS:	T06S, R08W, Sec. 18, S (S)	**Accuracy:**	80 meters	**Area (acres):**	0
UTM:	Zone-11 N3723286 E429946	**Latitude/Longitude:**	33.64711 / -117.75546	**Elevation (feet):**	250

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

GAL04F0040	GALVIN, P. (HARMSWORTH ASSOCIATES) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 2004-06-15
GAL15R0003	GALVIN, P. - REPORT ON BIRD SURVEYS IN PLANNING AREA 18 AND 39, 2015 2015-11-XX
GAL16R0004	GALVIN, P. (HARMSWORTH ASSOCIATES) - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2016 2016-07-27
HAR04R0002	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39 2004-01-XX
HAR05R0011	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2004 2005-01-XX
HAR06R0001	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2005 2006-01-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A5718
Key Quad: El Toro (3311766)
Occurrence Number: 954

EO Index: 107461
Element Code: ABPBJ08081
Occurrence Last Updated: 2017-08-04

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2016-06-09
Last Survey Date: 2016-06-09
Owner/Manager: CITY OF MISSION VIEJO
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

VISTA DEL LAGO OPEN SPACE, ABOUT 0.1 MILES NE OF LOS ALISOS BLVD AT VIA NOVENO & 0.3 MILES NW OF ORELLANA AT BECEDAS.

Detailed Location:

MAPPED TO PROVIDED COORDINATES.

Ecological:

Threats:

General:

PAIR OBSERVED INCUBATING A NEST ON 9 JUN 2016.

PLSS: T06S, R07W, Sec. 19, NW (S)
UTM: Zone-11 N3722110 E438874

Accuracy: 80 meters
Latitude/Longitude: 33.63706 / -117.65911

Area (acres): 5
Elevation (feet): 726

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

SMI16F0057 SMITH, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-06-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B1317	**EO Index:**	113225
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	960	**Occurrence Last Updated:**	2018-11-05

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2017-05-12	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2017-05-12	**Occurrence Rank:**	Fair
Owner/Manager:	CITY OF LAKE FOREST	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

FROM ABOUT 0.3-0.6 MI SW OF COMMERCENTRE DR AT DIMENSION DR & 0.7-1.0 MI NE OF TRABUCO RD AT PEACHWOOD DR, LAKE FOREST.

Detailed Location:

SITE PREVIOUSLY KNOWN AS HOMECOMING AT LAKE FOREST PROPERTY. CITY HALL & CITY PARK PROJECT SITE, 2008. ADJACENT TO BAKER FILTRATION PLANT. MAPPED TO PROVIDED COORDINATES AND LOCATIONS.

Ecological:

COASTAL SAGE SCRUB & MIX OF VEGETATION INCLUDING SCRUB OAK CHAPARRAL, WILLOW RIPARIAN, NON-NATIVE GRASSLAND AND RUDERAL AREAS; SURROUNDED BY HEAVILY-DEVELOPED COMMERCIAL PROPERTIES.

Threats:

SITE TO BE DEVELOPED INTO A CIVIC CENTER; GRADING UNDERWAY IN 2017.

General:

3 PAIRS WITH JUVENILES OBSERVED AUG 2005. 1 PAIR OBS MAY-JUN; 2 PAIRS & 1 JUVENILE OBS AUG-SEP 2008. 1 HEARD SINGING & 1 JUV OBS, JUN 2012. 1 PAIR OBS, 12 MAY 2015. 2 ADULTS HEARD & SEEN BUILDING A NEST ON 12 MAY 2017.

PLSS:	T06S, R08W, Sec. 11, SE (S)	**Accuracy:**	specific area	**Area (acres):**	61
UTM:	Zone-11 N3724649 E436844	**Latitude/Longitude:**	33.65984 / -117.68118	**Elevation (feet):**	663

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

AHR05U0005	AHRENS, J. (GLENN LUKOS ASSOCIATES) - SUBMITTAL REQUIREMENTS OF COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR THE HOMECOMING AT LAKE FOREST PROPERTY. 2005-10-14
DIC12F0024	DICKSON - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2012-06-30
DIC12F0025	DICKSON - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2012-06-23
GAL08F0001	GALVIN, P. (HARMSWORTH ASSOCIATES) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2008-09-12
GAL08R0004	GALVIN, P. (HARMSWORTH ASSOCIATES) - CALIFORNIA GNATCATCHER REPORT FOR THE LAKE FOREST IRWD SITE. 2008-09-XX
PCR08U0004	PCR (PCR SERVICES CORPORATION) - RESULTS OF FOCUSED COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR THE PROPOSED CITY HALL AND PARK PROJECT SITE LOCATED IN THE CITY OF LAKE FOREST. 2008-09-02
SCH15R0001	SCHWARTZ, P. (ICF INTERNATIONAL, INC.) - 2015 LEAST BELL'S VIREO PRESENCE/ABSENCE SURVEY RESULTS FOR THE LAKE FOREST CIVIC CENTER PROJECT. 2015-08-21
WIL17F0003	WILLEMS, E. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2017-05-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7014	**EO Index:**	120077
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1086	**Occurrence Last Updated:**	2021-03-26

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-06-02	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Excellent
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

JUST SOUTHEAST OF IRVINE MESA, 1.2 MILES SOUTHWEST OF SILVERADO.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB.

Threats:

General:

1 PAIR DETECTED ON 8 APR 2005. NONE DETECTED IN 2013. NONE DETECTED BETWEEN 15 MAR & 18 APR 2016 DURING CAGN FOCUSED SURVEYS. DETECTED INCIDENTALLY OUTSIDE OF FOCUSED SURVEYS BETWEEN 15 MAR & 2 JUN 2016. NONE DETECTED IN 2020.

PLSS:	T05S, R07W, Sec. 18, W (S)	**Accuracy:**	2/5 mile	**Area (acres):**	280
UTM:	Zone-11 N3733201 E439427	**Latitude/Longitude:**	33.73712 / -117.65391	**Elevation (feet):**	1,155

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

GAL05F0080	GALVIN, P. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2005-04-08
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA13R0001	LEATHERMAN BIOCONSULTING, INC. - CACTUS WREN HABITAT ASSESSMENT AND SURVEY, IRVINE RANCH OPEN SPACE EASEMENTS, ORANGE COUNTY, CA 2013 2013-12-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7017
EO Index: 120079
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1087
Occurrence Last Updated: 2021-03-16

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2016-06-02
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-04-30
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

LIMESTONE CANYON, 1.5 MILES WEST OF IRVINE MESA, IRVINE RANCH OPEN SPACE.

Detailed Location:

Ecological:

OPEN SPACE.

Threats:

General:

NONE DETECTED BETWEEN 16 MAR AND 21 APR 2016 DURING CAGN FOCUSED SURVEYS. DETECTED INCIDENTALLY OUTSIDE OF FOCUSED SURVEYS BETWEEN 15 MAR AND 2 JUN 2016. NONE DETECTED BEWTEEN 15 MAR AND 30 APR 2020.

PLSS: T05S, R08W, Sec. 11, SE (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3734430 E436542
Latitude/Longitude: 33.74804 / -117.68514
Elevation (feet): 1,041

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7125
EO Index: 120193
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1106
Occurrence Last Updated: 2021-03-17

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2007-05-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2007-05-01
Occurrence Rank: Good
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
MOUTH OF SPRING CANYON, JUST EAST OF SANTIAGO CANYON RD AT WILLIAMS CANYON RD, 1.2 MILES SOUTHWEST OF SILVERADO.

Detailed Location:

Ecological:
CHAMISE DOMINATED CHAPARRAL SCRUB WITH LIMITED AREAS OF COASTAL SAGE SCRUB ON SOUTH-FACING SLOPES.

Threats:
DEVELOPMENT

General:
1 MALE OBSERVED ON 1 MAY 2007.

PLSS: T05S, R07W, Sec. 18, SE (S)
Accuracy: specific area
Area (acres): 9
UTM: Zone-11 N3732472 E440060
Latitude/Longitude: 33.73058 / -117.64702
Elevation (feet): 1,298

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

RYA07F0021	RYAN, T. (SWCA ENVIRONMENTAL CONSULTANTS) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2007-05-01
RYA07U0001	RYAN, T. (SWCA ENVIRONMENTAL CONSULTANTS) - RESULTS OF A FOCUSED FIELD SURVEY FOR THE COASTAL CALIFORNIA GNATCATCHER AT SANTIAGO CANYON. 2007-06-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7126
Key Quad: El Toro (3311766)
Occurrence Number: 1107
EO Index: 120194
Element Code: ABPBJ08081
Occurrence Last Updated: 2021-03-18

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2004-07-01
Last Survey Date: 2004-07-01
Owner/Manager: UNKNOWN
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

JUST SOUTHWEST OF RATTLESNAKE RESERVOIR, SOUTHEAST OF PORTOLA PKWY AND ORCHARD HILLS INTERSECTION, EAST IRVINE.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB AND SOUTHERN CACTUS SCRUB HABITAT ADJACENT TO ROAD. SURROUNDING LAND USE INCLUDES AGRICULTURE AND RESIDENTIAL DEVELOPMENT.

Threats:

PROPOSED FOR RESIDENTIAL/COMMERCIAL/RECREATIONAL DEVELOPMENT (IRVINE COMMUNITY DEVELOPMENT COMPANY PLANNING AREA).

General:

1 PAIR DETECTED BETWEEN 18 JUN AND 1 JUL 2004.

PLSS: T05S, R08W, Sec. 20, NW (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3731921 E431013
Latitude/Longitude: 33.72506 / -117.74463
Elevation (feet): 393

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

LEM04R0001 LEMONS, P. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY FOR THE IRVINE COMMUNITY DEVELOPMENT COMPANY PLANNING AREA 1 PROJECT, ORANGE COUNTY, CALIFORNIA 2004-09-10

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7127
EO Index: 120195
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1108
Occurrence Last Updated: 2021-03-18

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2004-07-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2004-07-01
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

0.3 MILE NORTHWEST OF RATTLESNAKE RESERVOIR DAM, JUST NORTH OF PORTOLA PKWY AT ORCHARD HILLS INTERSECTION, EAST IRVINE.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB AND SOUTHERN CACTUS SCRUB HABITAT ADJACENT TO WATER TANK. SURROUNDED BY DEVELOPMENT.

Threats:

PROPOSED FOR RESIDENTIAL/COMMERCIAL/RECREATIONAL DEVELOPMENT (IRVINE COMMUNITY DEVELOPMENT COMPANY PLANNING AREA).

General:

1 PAIR DETECTED BETWEEN 18 JUN AND 1 JUL 2004.

PLSS: T05S, R08W, Sec. 17, SW (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3732576 E430746
Latitude/Longitude: 33.73095 / -117.74757
Elevation (feet): 383

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

LEM04R0001 LEMONS, P. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY FOR THE IRVINE COMMUNITY DEVELOPMENT COMPANY PLANNING AREA 1 PROJECT, ORANGE COUNTY, CALIFORNIA 2004-09-10

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7128
EO Index: 120196
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1109
Occurrence Last Updated: 2021-03-18

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2002-06-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2002-06-01
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

1.3 MILES NORTH OF RATTLESNKAE RESERVOIR, LOMA RIDGE, 6 MILES EAST OF TUSTIN.

Detailed Location:

STATION 459. MAPPED TO PROVIDED COORDINATES; BIRDS DETECTED WITHIN 198 METERS.

Ecological:

COASTAL SCRUB.

Threats:

General:

2 MALES HEARD ON 1 JUN 2002.

PLSS: T05S, R08W, Sec. 8, SE (S)
Accuracy: non-specific area
Area (acres): 31
UTM: Zone-11 N3734299 E432300
Latitude/Longitude: 33.74659 / -117.73093
Elevation (feet): 657

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7129	**EO Index:**	120197
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1110	**Occurrence Last Updated:**	2021-03-18

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2002-06-07	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2002-06-07	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

2 MILES NORTH OF BEE CANYON ACCESS RD AND HWY 241 INTERSECTION, LOMA RIDGE.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB HABITAT.

Threats:

General:

1 ADULT MALE AND 1 ADULT FEMALE HEARD AND SEEN ON 7 JUN 2002.

PLSS:	T05S, R08W, Sec. 9, SE (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3734300 E433500	**Latitude/Longitude:**	33.74668 / -117.71797	**Elevation (feet):**	776

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7130	**EO Index:**	120198
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1111	**Occurrence Last Updated:**	2021-04-06

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2015-01-05	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2015-01-05	**Occurrence Rank:**	None
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Possibly Extirpated		

Location:

PORTOLA HILLS, IN VICINITY OF GLENN RANCH RD AT SADDLEBACK RANCH RD, TRABUCO CANYON.

Detailed Location:

Ecological:

HABITAT FORMERLY INCLUDED COASTAL SAGE SCRUB AND ANNUAL GRASSLAND. SITE WAS DEVELOPED INTO RESIDENTIAL HOUSING BETWEEN 2015 AND 2020.

Threats:

SITE IS WITHIN PORTOLA CENTER DEVELOPMENT PROJECT.

General:

5 PAIRS AND 1 SINGLE MALE OBSERVED BETWEEN 18 FEB AND 12 MAR 2002. 7 PAIRS OBSERVED BETWEEN 12 OCT AND 28 OCT 2005. DETECTED IN 2008, 2013, 2014, AND ON 5 JAN 2015. SITE HAS BEEN DEVELOPED; LIKELY EXTIRPATED.

PLSS:	T06S, R07W, Sec. 8, N (S)	**Accuracy:**	non-specific area	**Area (acres):**	172
UTM:	Zone-11 N3725967 E441185	**Latitude/Longitude:**	33.67198 / -117.63445	**Elevation (feet):**	1,067

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

KUS13D0002	KUS, B. (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR POLIOPTILA CALIFORNICA CALIFORNICA 2013-XX-XX
LEA09R0001	LEATHERMAN BIOCONSULTING, INC. - CENTRAL RESERVE CACTUS WREN HABITAT ASSESSMENT AND SURVEY 2008 2009-02-XX
LID14U0002	LIDDICOAT, T. (DUDEK AND ASSOCIATES) - 2014 FOCUSED CALIFORNIA GNATCATCHER SURVEY REPORT FOR THE PORTOLA CENTER PROJECT - PHASE 1. 2014-11-06
LID15U0001	LIDDICOAT, T. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY REPORT FOR THE PORTOLA CENTER PROJECT - PHASE 2, CITY OF LAKE FOREST. 2015-01-09
MUR05U0001	MURI, K. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY, PORTOLA HILLS PROJECT. 2005-12-20
NRC02U0003	BENSON, T. (NATURAL RESOURCE CONSULTANTS) - RESULTS OF FOCUSED COASTAL CALIFORNIA GNATCATCHER SURVEYS ON THE APPROXIMATELY 420-ACRE PORTOLA HILLS SITE, LOCATED IN THE CITY OF LAKE FOREST, ORANGE COUNTY, CALIFORNIA. 2002-08-08
VAN19A0001	VANDERGAST, A. ET AL. - DISTINGUISHING RECENT DISPERSAL FROM HISTORICAL GENETIC CONNECTIVITY IN THE COASTAL CALIFORNIA GNATCATCHER. SCIENTIFIC REPORTS 9:1355. 2019-02-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7132	**EO Index:**	120200
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1112	**Occurrence Last Updated:**	2021-04-20

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-06-09	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

JUST NORTHWEST OF DREADED HILL AND SERRANO COW TRAIL INTERSECTION, WHITING RANCH WILDERNESS PARK.

Detailed Location:

Ecological:

Threats:

General:

DETECTED IN 1999, 2000, 2001, 2003, AND 2004. DETECTED BETWEEN 15 MAR AND 9 JUN 2016. NONE DETECTED BETWEEN 15 MAR AND 30 APR 2020.

PLSS:	T06S, R07W, Sec. 6, NE (S)	**Accuracy:**	non-specific area	**Area (acres):**	48
UTM:	Zone-11 N3727460 E440149	**Latitude/Longitude:**	33.68539 / -117.64572	**Elevation (feet):**	1,030

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7133	**EO Index:**	120201
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1113	**Occurrence Last Updated:**	2021-03-22

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2002-05-30	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2002-05-30	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY, UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.2 MILE NORTHWEST OF JASPER HILL RD AND FAWN RIDGE RD INTERSECTION, WHITING RANCH WILDERNESS PARK.

Detailed Location:

STATION 536

Ecological:

Threats:

General:

1 NESTING PAIR DETECTED ON 30 MAY 2002; OBSERVED BUILDING NEST.

PLSS:	T06S, R07W, Sec. 5, NE (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3727100 E440700	**Latitude/Longitude:**	33.68217 / -117.63976	**Elevation (feet):**	1,178

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7134
EO Index: 120202
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1114
Occurrence Last Updated: 2021-03-22

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2018-04-03
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2018-04-03
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

ALONG SERRANO CREEK, NORTH OF PORTOLA PKWY AND GLENN RANCH RD INTERSECTION, LAKE FOREST.

Detailed Location:

Ecological:

HIGH QUALITY COASTAL SAGE SCRUB COMMUNITIES ALONG CENTRAL AND COASTAL FOOTHILLS IN NCC'S CENTRAL AND COASTAL RESERVES, AND TNC EASEMENTS.

Threats:

General:

DETECTED ON 3 APR 2018.

PLSS: T06S, R07W, Sec. 6, SW (S)
Accuracy: specific area
Area (acres): 14
UTM: Zone-11 N3726090 E439556
Latitude/Longitude: 33.673 / -117.65203
Elevation (feet): 830

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

DEL18D0002 DELUNA, A. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA DETECTIONS, 2018 [SC-012609] 2018-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7135
EO Index: 120203
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1115
Occurrence Last Updated: 2021-04-08

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2008-07-09
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-07-09
Occurrence Rank: Fair
Owner/Manager: CALTRANS
Trend: Unknown
Presence: Presumed Extant

Location:

HWY 241, JUST EAST OF PORTOLA PKWY INTERSECTION, LAKE FOREST.

Detailed Location:

MAPPED ACCORDING TO LOCATION DESCRIPTION: SOUTH OF THE PORTOLA ON-RAMP, SOUTHBOUND SR-241.

Ecological:

VEGETATION CLEARED ALONG HIGHWAY FOR DEFENSIBLE SPACE REQUIREMENTS.

Threats:

ROAD MODIFICATION, ADJACENT DEVELOPMENT, VEGETATION CLEARING

General:

2 ADULTS AND 1 FEMALE/ JUVENILE DETECTED ON 9 JUL 2008.

PLSS: T06S, R07W, Sec. 7, NE (S)
Accuracy: non-specific area
Area (acres): 29
UTM: Zone-11 N3725314 E439989
Latitude/Longitude: 33.66602 / -117.64731
Elevation (feet): 837

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

PRE08U0005 PREITE, A. (CALIFORNIA DEPARTMENT OF TRANSPORTATION) - 45 DAY REPORT FOR SR-241 AND SR-73 SURVEY FOR COASTAL CALIFORNIA GNATCATCHER UNDER TE095858-1. 2008-07-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7136	**EO Index:**	120204
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1116	**Occurrence Last Updated:**	2021-04-20

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2021-01-27	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2021-01-27	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALISO CREEK, BETWEEN SANTA MARGARITA PKWY AND MARGUERITE PKWY, LAKE FOREST.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB HABITAT ALONG ALISO CREEK. SITE DISTURBED BY NOISE/HUMAN ACTIVITY ASSOCIATED WITH TRAILS AND NEW DEVELOPMENT. SURROUNDED BY COMMERCIAL, RESIDENTIAL, AND INSTITUTIONAL DEVELOPMENT.

Threats:

BROWN-HEADED COWBIRDS

General:

2005: 2 ADULTS. 2012: 2 PAIRS (1 W/2 JUVENILES). 2018: 3 PAIRS (2 W/ 2 JUVENILES, 1W/ 3 JUVENILES). 2019: 2 DISPERSING JUVENILES. 2020: 4 PAIRS (2 NESTED TWICE & 4 JUVENILES; 1 W/3 JUVENILES, 1 W/2 JUVENILES). 2021: 1 PAIR AND 1 INDIVIDUAL.

PLSS:	T06S, R07W, Sec. 7, SE (S)	**Accuracy:**	specific area	**Area (acres):**	44
UTM:	Zone-11 N3724863 E440100	**Latitude/Longitude:**	33.66196 / -117.64608	**Elevation (feet):**	766

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

AGU12F0003	AGUAYO, J. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2012-07-26
AGU20F0018	AGUAYO, J. (PSOMAS ENGINEERING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-07-24
DEL19F0016	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2019-07-02
HER18R0009	HEREDIA, A. & J. AGUAYO (PSOMAS ENGINEERING) - RESULTS OF THE LEAST BELL'S VIREO SURVEY FOR THE OFF-SITE MITIGATION PROGRAM FOR THE ALTON PARKWAY EXTENSION PROJECT AT ALISO CREEK, ORANGE COUNTY, CALIFORNIA 2018-10-30
MES21F0002	MESSETT, L. (PSOMAS ENGINEERING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2021-01-27
ONE05F0035	O'NEAL, A. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2005-06-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7137
EO Index: 120205
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1117
Occurrence Last Updated: 2021-04-05

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2008-07-15
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-07-15
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Possibly Extirpated

Location:

EAST OF ALTON PKWY, NORTHWEST OF BAKE PKWY, AND SOUTHWEST OF HWY 241, LAKE FOREST.

Detailed Location:

Ecological:

HABITAT FORMERLY INCLUDED COASTAL SAGE SCRUB, CHAPARRAL, RIPARIAN, AND RUDERAL. AERIAL IMAGERY SHOWS SITE WAS DEVELOPED INTO RESIDENTIAL HOUSING IN 2010S.

Threats:

DEVELOPMENT

General:

3 PAIRS OBSERVED BETWEEN 15 JUL AND 20 JUL 2005. 1 PAIR OBSERVED AND HEARD CALLING BETWEEN 14 APR AND 15 JUL 2008.

PLSS: T06S, R08W, Sec. 2, SE (S)
Accuracy: non-specific area
Area (acres): 85
UTM: Zone-11 N3726073 E436849
Latitude/Longitude: 33.67268 / -117.68123
Elevation (feet): 676

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

AHR05U0004	AHRENS, J. (GLENN LUKOS ASSOCIATES) - SUBMITTAL REQUIREMENTS OF COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR THE BAKER RANCH. 2005-09-15
ONE08F0022	O'NEAL, A. & B. DANIELS (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2008-04-14
ONE08U0001	ONEAL, A. (BONTERRA CONSULTING) - RESULTS OF FOCUSED PRESENCE/ABSENCE SURVEYS FOR THE LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER ON THE ALTON PARKWAY EXTENSION PROJECT SITE 2008-08-25

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7140	**EO Index:**	120208
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1118	**Occurrence Last Updated:**	2021-06-24

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2017-06-26	**Occurrence Rank:**	None
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Possibly Extirpated		

Location:

JUST SE OF PORTOLA PKWY AND HWY 241 INTERSECTION, 2.5 MILES NE OF THE FORMER EL TORO AIR STATION, PORTOLA SPRINGS.

Detailed Location:

Ecological:

HABITAT WAS COASTAL SAGE SCRUB ADJACENT TO AGRICULTURAL FIELDS. 2020 AERIAL IMAGERY SHOWS SITE HAS BEEN GRADED FOR DEVELOPMENT.

Threats:

DEVELOPMENT, ROAD CONSTRUCTION/MODIFICATION

General:

1 PAIR DETECTED BETWEEN 17 JUN AND 20 JUL 2001. 1 PAIR WITH NEST AND 2 DISPERSING JUVENILES DETECTED BETWEEN 13 MAY AND 24 JUN 2016. NONE DETECTED BETWEEN 22 JUN AND 26 JUN 2017.

PLSS:	T05S, R08W, Sec. 35, SW (S)	**Accuracy:**	non-specific area	**Area (acres):**	16
UTM:	Zone-11 N3728335 E435843	**Latitude/Longitude:**	33.69303 / -117.69225	**Elevation (feet):**	692

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

DAV17R0001	DAVENPORT, L. - YEAR 2016 RESULTS OF FOCUSED SURVEYS FOR COASTAL CALIFORNIA GNATCATCHER AT THE REMEDIAL ACTION AT INSTALLATION RESTORATION PROGRAM SITE 1 - FORMER MARINE CORPS AIR STATION EL TORO 2017-01-31
HAR01R0004	HARMSWORTH ASSOCIATES - REPORT ON BIOLOGICAL SURVEYS FOR THE IRVINE NORTHERN SPHERE 2001-10-XX
JOH17R0003	JOHNSTON, A. ET AL. (PSOMAS ENGINEERING) - RESULTS OF PRECONSTRUCTION COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR TOLLBOOTH REMOVAL ACTIVITIES, ORANGE COUNTY, CALIFORNIA 2017-07-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7142
Key Quad: El Toro (3311766)
Occurrence Number: 1119
EO Index: 120211
Element Code: ABPBJ08081
Occurrence Last Updated: 2021-03-25

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2001-07-20
Last Survey Date: 2001-07-20
Owner/Manager: PVT
Presence: Possibly Extirpated
Occurrence Type: Natural/Native occurrence
Occurrence Rank: None
Trend: Unknown

Location:

0.6 MILE WEST OF HWY 241 AT PORTOLA PKWY, 2 MILES NORTHEAST OF THE FORMER EL TORO AIR STATION, PORTOLA SPRINGS.

Detailed Location:

MAPPED ACCORDING TO PROVIDED MAP AND AERIAL IMAGERY.

Ecological:

2002 AERIAL IMAGERY SHOWS SITE WAS A PATCH OF HABITAT SURROUNED BY AGRICULTURAL FIELDS, AND 2020 IMAGERY SHOWS SITE HAS BEEN DEVELOPED OR UNDERGOING DEVELOPMENT.

Threats:

DEVELOPMENT.

General:

2 PAIRS AND 1 SINGLE BIRD DETECTED BETWEEN 17 JUN AND 20 JUL 2001. SITE HAS BEEN DEVELOPED, LIKELY EXTIRPATED.

PLSS: T05S, R08W, Sec. 34, S (S)
Accuracy: 1/5 mile
Area (acres): 70
UTM: Zone-11 N3728111 E434915
Latitude/Longitude: 33.69095 / -117.70224
Elevation (feet): 618

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

HAR01R0004 HARMSWORTH ASSOCIATES - REPORT ON BIOLOGICAL SURVEYS FOR THE IRVINE NORTHERN SPHERE 2001-10-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7143
EO Index: 120212
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1120
Occurrence Last Updated: 2021-03-25

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2001-07-20
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-07-20
Occurrence Rank: None
Owner/Manager: PVT
Trend: Unknown
Presence: Possibly Extirpated

Location:

JUST NORTHEAST OF IRVINE BLVD AND MODJESKA INTERSECTION, SOUTH OF PORTOLA SPRINGS.

Detailed Location:

MAPPED ACCORDING TO PROVIDED MAP AND AERIAL IMAGERY.

Ecological:

2002 AERIAL IMAGERY SHOWS SITE WAS A PATCH OF HABITAT SURROUNDED BY AGRICULTURAL FIELDS AND DEVELOPMENT. SITE WAS DEVELOPED IN 2014-2018.

Threats:

DEVELOPMENT

General:

7 PAIRS AND 1 SINGLE BIRD DETECTED BETWEEN 17 JUN AND 20 JUL 2001. SITE HAS BEEN DEVELOPED, LIKELY EXTIRPATED.

PLSS: T06S, R08W, Sec. 4, NE (S)
Accuracy: non-specific area
Area (acres): 125
UTM: Zone-11 N3727537 E433971
Latitude/Longitude: 33.68571 / -117.71239
Elevation (feet): 512

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

HAR01R0004 HARMSWORTH ASSOCIATES - REPORT ON BIOLOGICAL SURVEYS FOR THE IRVINE NORTHERN SPHERE 2001-10-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7144
EO Index: 120213
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1121
Occurrence Last Updated: 2021-03-29

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2020-06-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-06-24
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

0.7 MILE NORTH OF ALTON PKWY AND HWY 241 INTERSECTION, FOOTHILL RANCH, LAKE FOREST.

Detailed Location:

Ecological:

SAGEBRUSH-BLACK SAGE SCRUB.

Threats:

General:

1 PAIR DETECTED ON 1 MAR 1994. NONE DETECTED ON 15 MAR, 1 TERRITORIAL MALE DETECTED ON 6 APR, AND NONE ON 25 APR 2016. DETECTED BETWEEN 15 MAR AND 24 JUN 2020.

PLSS: T05S, R08W, Sec. 36, SW (S)
Accuracy: non-specific area
Area (acres): 32
UTM: Zone-11 N3728032 E437396
Latitude/Longitude: 33.69038 / -117.67547
Elevation (feet): 857

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

GIB94U0001	GIBB, J. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEY CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. 1994-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7145	**EO Index:**	120214
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1122	**Occurrence Last Updated:**	2021-03-29

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-03-16	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.8 MILE NORTH OF HWY 241 AT AGUA CHINON WASH CROSSING, IRVINE RANCH OPEN SPACE, NORTH OF LAKE FOREST.

Detailed Location:

Ecological:

Threats:

General:

DETECTED ON 15 JUL 1999. DETECTED ON 16 MAR 2016. NONE DETECTED ON 6 APR AND 25 APR 2016. NONE DETECTED BETWEEN 15 MAR AND 30 APR 2020.

PLSS:	T05S, R08W, Sec. 26, SE (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3729592 E436497	**Latitude/Longitude:**	33.7044 / -117.68528	**Elevation (feet):**	964

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7146	**EO Index:**	120215
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1123	**Occurrence Last Updated:**	2021-03-30

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	1990-09-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Good
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

HICKS CANYON, 0.5 MILE NORTHWEST OF HWY 241 AT BEE CANYON ACCESS RD, LOMA RIDGE.

Detailed Location:

Ecological:

MOSAIC OF COASTAL SAGE SCRUB, MULE FAT SCRUB, MIXED CHAPARRAL, AND GRASSLAND WITH AREAS OF HEAVY GRAZING.

Threats:

HEAVY GRAZING

General:

1 DETECTED BETWEEN 20 AND 24 SEP 1990. NONE DETECTED BETWEEN 15 MAR AND 25 APR 2016, AND BETWEEN 15 MAR AND 30 APR 2020.

PLSS:	T05S, R08W, Sec. 21, W (S)	**Accuracy:**	1/5 mile	**Area (acres):**	70
UTM:	Zone-11 N3731774 E432595	**Latitude/Longitude:**	33.72384 / -117.72755	**Elevation (feet):**	451

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

BEN91R0001	BENNER, M. ET AL. - DRAFT EIR/EIS FOR THE EASTERN TRANSPORTATION CORRIDOR 2 (P & D TECHNOLOGIES, ORANGE COUNTY) 1991-09-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7147	**EO Index:**	120216
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1124	**Occurrence Last Updated:**	2021-04-05

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2015-08-19	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2015-08-19	**Occurrence Rank:**	Good
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ON EAST SIDE OF HWY 241 AT HICKS HAUL RD, LOMA RIDGE, 7 MILES NORTHEAST OF IRVINE.

Detailed Location:

Ecological:

MIX OF DENSE AND DISTURBED COASTAL SAGE SCRUB. AREA ADJACENT TO HIGHWAY WAS CUT/GRADED DURING CONSTRUCTION AND HAS SINCE REVEGETATED.

Threats:

HIGHWAY CONSTRUCTION/MODIFICATIONS; INVASIVE WEEDS; HABITAT FRAGMENTATION; WILDFIRE

General:

1 DETECTION IN 1999, 2 IN 2001, 3 IN 2003, AND 4 IN 2004. 2 INDIVIDUALS DETECTED IN 2012. 1 PAIR WITH FLEDGLING DETECTED ON 10 JUL; JUVENILES DETECTED ON SUBSEQUENT VISITS BETWEEN 17 JUL-19 AUG 2015.

PLSS:	T05S, R08W, Sec. 16, E (S)	**Accuracy:**	non-specific area	**Area (acres):**	56
UTM:	Zone-11 N3733262 E433744	**Latitude/Longitude:**	33.73733 / -117.71526	**Elevation (feet):**	735

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

KRI12R0001	KRIEG, E. (LSA ASSOCIATES, INC.) - PROTOCOL COASTAL CALIFORNIA GNATCATCHER SURVEY RESULTS APRIL 14 TO JUNE 19 ALONG TOLL ROADS 13, 241, AND 261, ORANGE COUNTY [SC-000777] 2012-07-09
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX
RIC15F0008	RICHARDS, P. (ICF INTERNATIONAL, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2015-08-19
RIC15U0004	RICHARDS, P. (ICF INTERNATIONAL, INC.) - COASTAL CALIFORNIA GNATCATCHER PRESENCE/ABSENCE SURVEY RESULTS FOR THE SR-241 STORM WATER MITIGATION PROJECT. 2015-09-22

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7148	**EO Index:**	120217
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1125	**Occurrence Last Updated:**	2021-03-30

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2007-10-02	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2007-10-02	**Occurrence Rank:**	Fair
Owner/Manager:	CALTRANS	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ON WEST SIDE OF HWY 241 AT RATTLESNAKE CANYON, 1.8 MILES NORTH OF BEE CANYON ACCESS RD, LOMA RIDGE

Detailed Location:

Ecological:

PLANTED COASTAL SAGE SCRUB ON A MANUFACTURED/CUT SLOPE ASSOCIATED WITH CONSTRUCTION OF HIGHWAY. NATURALLY OCCURRING CSS LOCATED ON HILLS TO THE WEST. AREA BURNED IN 2007 SANTIAGO FIRE. HABITAT QUALITY WAS MODERATE TO GOOD BEFORE FIRE.

Threats:

HIGHWAY CONSTRUCTION/MODIFICATIONS

General:

1 PAIR OBSERVED ON 2 OCT 2007.

PLSS:	T05S, R08W, Sec. 16, NW (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3733981 E433313	**Latitude/Longitude:**	33.74379 / -117.71996	**Elevation (feet):**	768

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

HON07F0002	HONGOLA, S. (MICHAEL BRANDMAN ASSOCIATES) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2007-10-02
MBA07R0001	MICHAEL BRANDMAN ASSOCIATES (MICHAEL BRANDMAN ASSOCIATES) - COASTAL CALIFORNIA GNATCATCHER FOCUSED SURVEY REPORT, LOMA RIDGE MULTIPLE CARRIER TELECOMMUNICATIONS FACILITY - SPRINT NEXTEL, ROYAL STREET COMMUNICATIONS, LLC, VERIZON, CINGULAR. 2007-11-14

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7149	**EO Index:**	120218
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1126	**Occurrence Last Updated:**	2021-06-09

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-04-19	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

E SIDE OF HWY 241 ABOUT 0.5 MILE N OF BEE CANYON ACCESS RD, 1.25 MILE ESE OF RATTLESNAKE RESERVOIR, IRVINE RANCH OSP.

Detailed Location:

Ecological:

HIGH QUALITY COASTAL SAGE SCRUB COMMUNITIES ALONG COASTAL FOOTHILLS OF THE SANTA ANA MOUNTAINS.

Threats:

General:

DETECTED ON 16 MAR, 4 APR, AND 19 APR 2016. NOT DETECTED ON SURVEYS BETWEEN 15 MAR AND 30 APR 2020.

PLSS:	T05S, R08W, Sec. 21, NE (S)	**Accuracy:**	non-specific area	**Area (acres):**	37
UTM:	Zone-11 N3732019 E433500	**Latitude/Longitude:**	33.72611 / -117.7178	**Elevation (feet):**	681

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

DEL16D0001	DELUNA, A. - TABLE OF LOCATIONS FOR CALIFORNIA GNATCATCHER TERRITORIES [SC-012609]. 2016-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
STR16D0003	STRATTON, G. - EXCEL TABLE FOR CALIFORNIA GNATCATCHER DETECTIONS IN ORANGE COUNTY, 2016 2016-06-03
STR16F0011	STRATTON, G. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-06-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7152	**EO Index:**	120221
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1127	**Occurrence Last Updated:**	2021-06-24

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Excellent
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

BEE CANYON, SOUTHWEST OF FRANK R. BOWERMAN LANDFILL, JUST EAST OF HWY 133 AND 241 JUNCTION, PORTOLA SPRINGS.

Detailed Location:

1 MILE E OF SIPHON RESERVOIR.

Ecological:

BUSH MALLOW SCRUB AND CALIFORNIA SAGEBRUSH HABITAT. OPEN SPACE ADJACENT TO LANDFILL AND FRUIT GROVES.

Threats:

LANDFILL ACTIVITIES AND EXPANSION, BROWN-HEADED COWBIRDS PRESENT, INVASIVE WEEDS; HABITAT FRAGMENTATION; WILDFIRE

General:

3 PAIRS/FAMILY GROUPS & 7 INDIV DETECTED, 5 JUN-24 JUL 2003. 8 PAIRS, 2 LONE FEMALES, & 2 LONE MALES DETECTED, 8 APR-27 JUN 2005. 3 JUVENILES, 1 INDIV, & 1 PAIR DETECTED, 15 APR-6 MAY 2015. 1 PAIR OBSERVED, 2018. DETECTED IN 2016 & 2020.

PLSS:	T05S, R08W, Sec. 27, NW (S)	**Accuracy:**	non-specific area	**Area (acres):**	234
UTM:	Zone-11 N3730380 E434087	**Latitude/Longitude:**	33.71136 / -117.71134	**Elevation (feet):**	648

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

AGU15F0009	AGUAYO, J. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2015-05-06
BEN04U0001	BENNER, M. ET AL. (P&D CONSULTANTS) - RESULTS OF FOCUSED COASTAL CALIFORNIA GNATCATCHER SURVEYS AT THE FRANK R. BOWERMAN LANDFILL. 2004-02-12
DEL16D0001	DELUNA, A. - TABLE OF LOCATIONS FOR CALIFORNIA GNATCATCHER TERRITORIES [SC-012609]. 2016-XX-XX
HER15U0013	HEREDIA, A. & J. AGUAYO (BONTERRA CONSULTING) - RESULTS OF COASTAL CALIFORNIA GNATCATCHER SURVEY FOR THE FRANK R. BOWERMAN LANDFILL. 2015-06-12
HER18R0008	HEREDIA, A. & J. AGUAYO (PSOMAS ENGINEERING) - RESULTS OF LEAST BELL'S VIREO SURVEYS FOR THE FRANK R. BOWERMAN LANDFILL AND BEE CANYON RETARDING BASIN IN THE CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA 2018-09-18
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA05F0030	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2005-05-31
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
MED05U0001	MEDEIROS, G. & A. ONEAL (BONTERRA CONSULTING) - RESULTS OF FOCUSED SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER FOR THE FRANK R. BOWERMAN LANDFILL PROJECT SITE. 2005-10-12
RIC15F0008	RICHARDS, P. (ICF INTERNATIONAL, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2015-08-19
RIC15U0004	RICHARDS, P. (ICF INTERNATIONAL, INC.) - COASTAL CALIFORNIA GNATCATCHER PRESENCE/ABSENCE SURVEY RESULTS FOR THE SR-241 STORM WATER MITIGATION PROJECT. 2015-09-22
STR16D0003	STRATTON, G. - EXCEL TABLE FOR CALIFORNIA GNATCATCHER DETECTIONS IN ORANGE COUNTY, 2016 2016-06-03
STR16F0011	STRATTON, G. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-06-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7153
EO Index: 120222
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1128
Occurrence Last Updated: 2021-06-24

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2015-05-06
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2015-05-06
Occurrence Rank: None
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Possibly Extirpated

Location:

WEST FRANK R. BOWERMAN LANDFILL, 1 MILE NORTHEAST OF HWY 133 AND 241 JUNCTION, PORTOLA SPRINGS.

Detailed Location:

Ecological:

HABITAT WAS CALIFORNIA SAGEBRUSH ADJACENT TO LANDFILL. 2020 AERIAL IMAGERY SHOWS SITE HAS BEEN GRADED, PRESUMABLY RELATED TO LANDFILL ACTIVITIES.

Threats:

LANDFILL ACTIVITIES AND EXPANSION, BROWN-HEADED COWBIRDS PRESENT.

General:

1 PAIR AND 2 JUVENILES DETECTED BETWEEN 8 APR AND 27 JUN 2005. 1 PAIR DETECTED BETWEEN 15 APR AND 6 MAY 2015.

PLSS: T05S, R08W, Sec. 22, SW (S)
Accuracy: specific area
Area (acres): 13
UTM: Zone-11 N3731471 E434336
Latitude/Longitude: 33.72121 / -117.70874
Elevation (feet): 930

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

AGU15F0009	AGUAYO, J. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2015-05-06
HER15U0013	HEREDIA, A. & J. AGUAYO (BONTERRA CONSULTING) - RESULTS OF COASTAL CALIFORNIA GNATCATCHER SURVEY FOR THE FRANK R. BOWERMAN LANDFILL. 2015-06-12
LEA05F0030	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2005-05-31
MED05U0001	MEDEIROS, G. & A. ONEAL (BONTERRA CONSULTING) - RESULTS OF FOCUSED SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER FOR THE FRANK R. BOWERMAN LANDFILL PROJECT SITE. 2005-10-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7155	**EO Index:**	120224
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1129	**Occurrence Last Updated:**	2021-06-24

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2005-06-27	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

EAST FRANK R. BOWERMAN LANDFILL, 1.7 MILES EAST OF HWY 133 AND 241 JUNCTION, PORTOLA SPRINGS.

Detailed Location:

Ecological:

PATCHES OF COASTAL SAGE SCRUB. OPEN SPACE ADJACENT TO LANDFILL.

Threats:

LANDFILL ACTIVITIES AND EXPANSION.

General:

1 JUVENILE DETECTED BETWEEN 8 APR AND 27 JUN 2005. NONE DETECTED IN 2016 AND 2020.

PLSS:	T05S, R08W, Sec. 23, SW (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3730980 E435706	**Latitude/Longitude:**	33.71687 / -117.69392	**Elevation (feet):**	917

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA05F0030	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2005-05-31
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
MED05U0001	MEDEIROS, G. & A. ONEAL (BONTERRA CONSULTING) - RESULTS OF FOCUSED SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER FOR THE FRANK R. BOWERMAN LANDFILL PROJECT SITE. 2005-10-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7156
EO Index: 120225
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1130
Occurrence Last Updated: 2021-06-24

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2008-06-25
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-06-25
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
SOUTHEAST FRANK R. BOWERMAN LANDFILL, 1.5 MILES EAST OF HWY 133 AND 241 JUNCTION, PORTOLA SPRINGS.

Detailed Location:

Ecological:
PATCHES OF COASTAL SAGE SCRUB HABITAT. OPEN SPACE ADJACENT TO LANDFILL.

Threats:
LANDFILL ACTIVITIES AND EXPANSION.

General:
2 DETECTIONS ON 16 JUL 1999; 5 BETWEEN 16 APR AND 17 JUN 2000; 1 ON 23 MAR 2001; 1 ON 3 MAR 2002. 1 JUVENILE DETECTED BETWEEN 8 APR AND 27 JUN 2005. DETECTED BETWEEN 15 MAY AND 25 JUN 2008.

PLSS: T05S, R08W, Sec. 26, NW (S)
Accuracy: non-specific area
Area (acres): 53
UTM: Zone-11 N3730382 E435600
Latitude/Longitude: 33.71147 / -117.69501
Elevation (feet): 776

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

LEA05F0030	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2005-05-31
LEA09R0001	LEATHERMAN BIOCONSULTING, INC. - CENTRAL RESERVE CACTUS WREN HABITAT ASSESSMENT AND SURVEY 2008 2009-02-XX
MED05U0001	MEDEIROS, G. & A. ONEAL (BONTERRA CONSULTING) - RESULTS OF FOCUSED SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER FOR THE FRANK R. BOWERMAN LANDFILL PROJECT SITE. 2005-10-12
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7157
Key Quad: El Toro (3311766)
Occurrence Number: 1131
EO Index: 120226
Element Code: ABPBJ08081
Occurrence Last Updated: 2021-04-01

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2012-04-17
Last Survey Date: 2012-04-17
Owner/Manager: CALTRANS
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
ON EAST SIDE OF HIGHWAY 241, JUST NORTH OF BEE CANYON ACCESS RD INTERSECTION, NORTH OF PORTOLA SPRINGS.

Detailed Location:

Ecological:
COASTAL SAGE SCRUB MITIGATION SITE. HIGHWAY WAS CONSTRUCTED IN THE 1990S.

Threats:
HIGHWAY CONSTRUCTION/MODIFICATION

General:
1 PAIR DETECTED ON 17 APR 2012.

PLSS: T05S, R08W, Sec. 21, SE (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3731441 E433357
Latitude/Longitude: 33.72088 / -117.7193
Elevation (feet): 600

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

KRI12R0001 KRIEG, E. (LSA ASSOCIATES, INC.) - PROTOCOL COASTAL CALIFORNIA GNATCATCHER SURVEY RESULTS APRIL 14 TO JUNE 19 ALONG TOLL ROADS 13, 241, AND 261, ORANGE COUNTY [SC-000777] 2012-07-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7158
EO Index: 120227
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1132
Occurrence Last Updated: 2021-04-01

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2018-03-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2018-03-05
Occurrence Rank: Fair
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

SOUTH OF HWY 241 AND NORTH OF PORTOLA PKWY, 1.4 MILES SOUTHEAST OF HWY 241 AND 133 JUNCTION, PORTOLA SPRINGS.

Detailed Location:

Ecological:

PATCH OF COASTAL SAGE SCRUB FORMERLY SURROUNDED BY AGRICULTURAL FIELDS AND CURRENTLY BY DEVEOLPMENT. PORTIONS OF SITE WAS DEVELOPED BETWEEN 2015 AND 2020.

Threats:

DEVELOPMENT

General:

7 PAIRS DETECTED BETWEEN 22 MAY AND 13 JUL 2001. 1 NESTING PAIR DETECTED ON 5 MAR 2018.

PLSS: T05S, R08W, Sec. 34, NW (S)
Accuracy: 1/5 mile
Area (acres): 70
UTM: Zone-11 N3728838 E434483
Latitude/Longitude: 33.69748 / -117.70695
Elevation (feet): 550

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

ASE18F0001 ASEF, T. ET AL. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2018-03-05

HAR01R0004 HARMSWORTH ASSOCIATES - REPORT ON BIOLOGICAL SURVEYS FOR THE IRVINE NORTHERN SPHERE 2001-10-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7159
EO Index: 120228
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1133
Occurrence Last Updated: 2021-04-01

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2002-05-02
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2002-05-02
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

ON NORTHWEST SIDE OF HWY 241, 0.4 MILE WEST OF ROUND CANYON CROSSING, PORTOLA SPRINGS.

Detailed Location:

STATION 482

Ecological:

COASTAL SAGE SCRUB.

Threats:

General:

1 ADULT MALE OBSERVED ON 2 MAY 2002.

PLSS: T05S, R08W, Sec. 27, SW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3729500 E434700
Latitude/Longitude: 33.70347 / -117.70466
Elevation (feet): 803

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7160	**EO Index:**	120229
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1134	**Occurrence Last Updated:**	2021-04-02

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2003-02-05	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2003-02-05	**Occurrence Rank:**	Fair
Owner/Manager:	CITY OF LAKE FOREST	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

NATURE PARK, ALONG SERRANO CREEK, JUST SOUTHEAST OF ENTERPRISE WAY AND DIMENSION DR INTERSECTION, LAKE FOREST.

Detailed Location:

Ecological:

HIGH QUALITY COASTAL SAGE SCRUB AND NATIVE RIPARIAN HABITAT. HABITAT NOT CONTIGUOUS WITH OTHER CSS AND ISOLATED FROM OTHER NATIVE HABITAT EXCEPT WITH THOSE ALONG SERRANO CREEK. PARK IS 4.5 ACRES AND SURROUNDED BY DEVELOPMENT.

Threats:

0.23 ACRE OF COASTAL SAGE SCRUB WAS CLEARED ON 6 FEB 2003 FOR PARK CONSTRUCTION, HABITAT ISOLATION/FRAGMENTATION

General:

1 PAIR DETECTED ON 4, 5, AND 6 FEB 2003.

PLSS:	T06S, R08W, Sec. 12, SW (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3725077 E437816	**Latitude/Longitude:**	33.66376 / -117.67073	**Elevation (feet):**	682

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

DAN03U0001 DANIELS, B. (BONTERRA CONSULTING) - SURVEY AND MONITORING RESULTS FOR THE COASTAL CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN AT LAKE FOREST NATURE PARK. 2003-03-14

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7161
EO Index: 120230
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1135
Occurrence Last Updated: 2021-04-06

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 1999-04-17
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1999-04-17
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
AT CACTUS HILL TRAIL AND WHITING ROAD INTERSECTION, WHITING RANCH WILDERNES PARK, 1 MILE SW OF MODJESKA.

Detailed Location:

Ecological:
OPEN SPACE PRESERVE.

Threats:

General:
DETECTED ON 17 APR 1999.

PLSS: T05S, R07W, Sec. 32, NW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3728597 E440581
Latitude/Longitude: 33.69566 / -117.64115
Elevation (feet): 1,453

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

NRO08D0001 NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7162
Key Quad: El Toro (3311766)
Occurrence Number: 1136

EO Index: 120231
Element Code: ABPBJ08081
Occurrence Last Updated: 2021-04-06

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 1999-04-17
Last Survey Date: 1999-04-17
Owner/Manager: ORA COUNTY
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
0.25 MILES SOUTHWEST OF SERRANO RD AT WATER TANK RD, 1.4 MILES SOUTHWEST OF MODJESKA, WHITING RANCH WILDERNESS PARK.

Detailed Location:

Ecological:
OPEN SPACE PRESERVE.

Threats:

General:
DETECTED ON 17 APR 1999.

PLSS: T05S, R07W, Sec. 31, E (S)
UTM: Zone-11 N3728387 E439925

Accuracy: 80 meters
Latitude/Longitude: 33.69374 / -117.64821

Area (acres): 5
Elevation (feet): 1,245

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

NRO08D0001 NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7163	**EO Index:**	120232
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1137	**Occurrence Last Updated:**	2021-04-06

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-04-30	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

JUST WEST OF LIMESTONE CANYON RD AT CACTUS CANYON TRAIL INTERSECTION, LOMA RIDGE, IRVINE RANCH OPEN SPACE.

Detailed Location:

Ecological:

OPEN SPACE PRESERVE.

Threats:

General:

NONE DETECTED BETEWEN 16 MAR AND 21 APR 2016. DETECTED BETWEEN 15 MAR AND 30 APR 2020.

PLSS:	T05S, R08W, Sec. 24, W (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3731692 E437849	**Latitude/Longitude:**	33.72342 / -117.67084	**Elevation (feet):**	1,266

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7164
EO Index: 120233
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1138
Occurrence Last Updated: 2021-04-06

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2008-06-25
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-04-30
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

LIMESTONE RIDGE RD, JUST NORTH OF MARKEL SPUR RD INTERSECTION, IRVINE RANCH OPEN SPACE, 2 MILES SOUTHWEST OF SILVERADO.

Detailed Location:

Ecological:

OPEN SPACE PRESERVE.

Threats:

General:

DETECTED ON 2 APR 2004 AND BETWEEN 15 MAY AND 25 JUN 2008. NONE DETECTED BETWEEN 16 MAR & 21 APR 2016 AND 15 MAR & 30 APR 2020.

PLSS: T05S, R08W, Sec. 24, NE (S)
Accuracy: 1/5 mile
Area (acres): 70
UTM: Zone-11 N3731833 E438595
Latitude/Longitude: 33.72474 / -117.6628
Elevation (feet): 1,374

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA09R0001	LEATHERMAN BIOCONSULTING, INC. - CENTRAL RESERVE CACTUS WREN HABITAT ASSESSMENT AND SURVEY 2008 2009-02-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7167
EO Index: 120237
Key Quad: El Toro (3311766)
Element Code: ABPBJ08081
Occurrence Number: 1139
Occurrence Last Updated: 2021-04-06

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2008-06-25
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-06-25
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
LIMESTONE RIDGE RD, 1 MILE N OF MARKEL SPUR RD INTERSECTION, IRVINE RANCH OPEN SPACE, 2 MILES SW OF SILVERADO.

Detailed Location:

Ecological:
OPEN SPACE PRESERVE.

Threats:

General:
DETECTED BETWEEN 15 MAY AND 25 JUN 2008.

PLSS: T05S, R08W, Sec. 13, SE (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3732662 E438220
Latitude/Longitude: 33.73219 / -117.6669
Elevation (feet): 1,286

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

LEA09R0001	LEATHERMAN BIOCONSULTING, INC. - CENTRAL RESERVE CACTUS WREN HABITAT ASSESSMENT AND SURVEY 2008 2009-02-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7169	**EO Index:**	120239
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBJ08081
Occurrence Number:	1140	**Occurrence Last Updated:**	2021-06-14

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2006-07-13	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2006-07-13	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

LAKE FOREST DRIVE, EAST OF BAKE PKWY AND WEST OF SANTA VITTORIA DR, NORTH LAGUNA HILLS, IRVINE

Detailed Location:

ATTRIBUTED 2015 & 2016 DETECTIONS FROM THE VICINITY ALONG SAN DIEGO CREEK.

Ecological:

HABITAT WAS MULEFAT, CALIFORNIA SAGEBRUSH, AND DEAD POISON HEMLOCK. LAKE FOREST DRIVE EXTENSTION WAS BUILT THROUGH SITE BETWEEN 2009 AND 2013. HABITAT STILL EXISTS SOUTH OF ROAD.

Threats:

ROAD CONSTRUCTION/MODIFICATIONS

General:

1 PAIR WITH 2 JUVENILES DETECTED BETWEEN 16 JUN AND 13 JUL 2006. DETECTED IN THE AREA IN 2015 AND 2016.

PLSS:	T06S, R08W, Sec. 20, SW (S)	**Accuracy:**	specific area	**Area (acres):**	14
UTM:	Zone-11 N3721501 E431107	**Latitude/Longitude:**	33.63109 / -117.74281	**Elevation (feet):**	238

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

GAL15R0003	GALVIN, P. - REPORT ON BIRD SURVEYS IN PLANNING AREA 18 AND 39, 2015 2015-11-XX
GAL16R0004	GALVIN, P. (HARMSWORTH ASSOCIATES) - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2016 2016-07-27
HAM06R0001	HAMILTON, R. (HAMILTON BIOLOGICAL, INC.) - REPORT ON 2006 BELL'S VIREO AND WILLOW FLYCATCHER SURVEYS, LAKE FOREST DRIVE EXTENSION PROJECT, SAN JUAN CAPISTRANO, CA 2006-07-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7269
EO Index: 120338
Key Quad: Tustin (3311767)
Element Code: ABPBJ08081
Occurrence Number: 1141
Occurrence Last Updated: 2021-04-26

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2020-06-04
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-06-04
Occurrence Rank: Unknown
Owner/Manager: UCNR-SAN JOAQUIN MARSH
Trend: Unknown
Presence: Presumed Extant

Location:

SAN JOAQUIN FRESHWATER MARSH RESERVE, 0.3 MILE S OF CAMPUS DR AND JAMBOREE RD INTERSECTION, NW OF UC IRVINE CAMPUS.

Detailed Location:

Ecological:

BLUFF ADJACENT TO PROTECTED SEASONAL FRESHWATER MARSH RESERVE.

Threats:

POTENTIAL DEVELOPMENT, HABITAT QUALITY DEGREDATION FROM MESOPREDATORS, DROUGHT.

General:

2 ADULTS HEARD ON 4 JUN 2020.

PLSS: T06S, R09W, Sec. 7, SE (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3724858 E420631
Latitude/Longitude: 33.66064 / -117.85605
Elevation (feet): 38

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

COF20F0003 COFFEY, J. ET AL. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-06-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7227	**EO Index:**	120294
Key Quad:	Canada Gobernadora (3311755)	**Element Code:**	ABPBJ08081
Occurrence Number:	1160	**Occurrence Last Updated:**	2021-05-12

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY, UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

WEST SIDE OF CANADA CHIQUITA CANYON, SOUTH OF OSO PWKY, WEST OF HWY 241, AND NORTH OF COW CAMP RD.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB HABITAT ADJACENT TO AGRICULTURE FIELDS, URBAN DEVELOPMENT, AND SCHOOL. SCHOOL, LAS FLORES AND LADERA RANCH DEVELOPMENT WAS BUILT IN 2000S.

Threats:

DEVELOPMENT, FOOTHILL TRANSPORTATION CORRIDOR ALIGNMENT, GRAZING, BROWN-HEAD COWBIRDS OBSERVED.

General:

1989: 27 PRS. 1990: 2 INDIV & 12 PRS. 1991: 13 PRS. 1994: 7 PRS & 2 JUV. DETECTED IN 1997. 1999: 3-4 DETECTED. DETECTED IN 2001. 2003: 1 PR. 2008: 1 PR. 2012: 3 TERRITORIES. 2016: 2 DETECTED. DETECTED IN 2020.

PLSS:	T07S, R07W, Sec. 16 (S)	**Accuracy:**	non-specific area	**Area (acres):**	1,537
UTM:	Zone-11 N3713220 E442577	**Latitude/Longitude:**	33.55709 / -117.61862	**Elevation (feet):**	616

County Summary:	**Quad Summary:**
Orange	Canada Gobernadora (3311755), San Juan Capistrano (3311756)

Sources:

BLO02U0002	BLOOM, P.H. - MEMO TO USFWS REGARDING 45-DAY REPORT AND 2001 ANNUAL REPORT ON BUFO CALIFORNICUS, POLIOPTILA CALIFORNICA, EMPIDONAX TRAILLII EXTIMUS & VIREO BELLII PUSILLUS. 2002-02-11
BON03R0002	BONTERRA CONSULTING - RESULTS OF FOCUSED SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER AT THE TESORO ZONE III WATER BOOSTER PUMP STATION PROJECT SITE IN UNINCORPORATED ORANGE COUNTY, CALIFORNIA 2003-01-28
BON91R0001	BONTRAGER, D. - BIOL. ASSESSMENT OF THE RIVERSIDE CEMENT RANCHO MISSION VIEJO CLAYMINE LEASEHOLD (PART 1 & 2), & FOOTHILL TRANS. CORRIDORS & HABITAT REQ. & BREEDING BIOLOGY OF THE GNATCATCHER 1991-08-22
FIS08F0013	FISCHER, K. (JONES AND STOKES ASSOCIATES) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2008-02-26
FWS08R0002	U.S. FISH AND WILDLIFE SERVICE - BIOLOGICAL OPINION FOR THE PROPOSED TOLL ROAD CORRIDOR INITIAL ALTERNATIVE FOR THE SOUTH ORANGE COUNTY TRANSPORTATION INFRASTRUCTURE IMPROVEMENT PROJECT 2008-XX-XX
HAM19D0001	HAMILTON, R. ET AL. - SHAPEFILE OF SPECIAL STATUS SPECIES COMPILED BY MELANIE SCHLOTTERBECH AND FRIENDS OF HARBORS, BEACHES AND PARKS IN ORANGE AND SAN BERNARDINO COUNTIES, 1989-2019. 2019-10-28
JOH12U0002	JOHNSTON, A. (BONTERRA CONSULTING) - RESULTS OF FOCUSED PRESENCE/ABSENCE COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR THE TESORO EXTENSION PROJECT. 2012-07-26
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LUK99U0002	BOMKAMP, T. (GLENN LUKOS ASSOCIATES) - SURVEYS FOR COASTAL CALIFORNIA GNATCATCHER WITHIN AREAS ADJACENT TO THE LADERA RANCH RESERVOIR SITE. 1999-10-17
MAY94R0004	MAYER, D. (PACIFIC SOUTHWEST BIOLOGICAL SERVICES) - CALIFORNIA GNATCATCHER SURVEYS AT THE PROPOSED CHIQUITA CANYON HIGH SCHOOOL SITE. 1994-09-30
MES12F0002	MESSETT, L. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2012-03-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7270
EO Index: 120339
Key Quad: Tustin (3311767)
Element Code: ABPBJ08081
Occurrence Number: 1166
Occurrence Last Updated: 2021-04-26

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2002-08-31
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2002-08-31
Occurrence Rank: None
Owner/Manager: UC-IRVINE
Trend: Unknown
Presence: Possibly Extirpated

Location:

SOUTHWEST OF VISTA DEL CAMPO RD AND CULVER DR INTERSECTION, EAST UC IRVINE CAMPUS.

Detailed Location:

Ecological:

HABITAT WAS DISTURBED NON-NATIVE GRASSLAND WITH FEW SMALL REMNANT COASTAL SAGE SCRUB PATCHES. AREA WAS DEVELOPED AS HIGH DENSITY HOUSING BETWEEN 2002 AND 2008.

Threats:

SITE WITHIN UC IRVINE EAST CAMPUS STUDENT HOUSING PROJECT.

General:

1 BREEDING PAIR OBSERVED BETWEEN 22 FEB AND 16 APR 2002. 1 PAIR OBSERVED BETWEEN 15 MAY AND 31 AUG 2002. SITE HAS BEEN COMPLETELY DEVELOPED.

PLSS: T06S, R09W, Sec. 21, N (S)
Accuracy: 1/5 mile
Area (acres): 70
UTM: Zone-11 N3722764 E423640
Latitude/Longitude: 33.64197 / -117.82343
Elevation (feet): 181

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

JOH02R0001 JOHNSON, R. (PSOMAS ENGINEERING) - RESULTS OF FOCUSED SURVEYS FOR COASTAL CALIFORNIA GNATCATCHER, UNIVERSITY OF CALIFORNIA, IRVINE EAST CAMPUS STUDENT APARTMENTS SITE. 2002-09-05

WIL03U0009 WILLICK, D. (P&D CONSULTANTS) - MISCELLANEOUS MONITORING ACTIVITIES REQUIRING A PERMITTED CALIFORNIA GNATCATCHER BIOLOGIST. 2003-03-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7271
EO Index: 120340
Key Quad: Tustin (3311767)
Element Code: ABPBJ08081
Occurrence Number: 1167
Occurrence Last Updated: 2021-04-26

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2004-08-31
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2004-08-31
Occurrence Rank: Fair
Owner/Manager: UC-IRVINE
Trend: Unknown
Presence: Presumed Extant

Location:

0.2 MILE NORTH OF ANTEATER DR AND CULVER DR INTERSECTION, EAST UC IRVINE CAMPUS.

Detailed Location:

MAPPED TO COORDINATES PROVIDED.

Ecological:

COYOTE BRUSH SCRUB HABITAT WITH MUSTARD AND NON-NATIVE GRASSES AS THE UNDERSTORY. SITE SURROUNDED BY HOUSING DEVELOPMENT. SPECIFIC SITE NOT DEVELOPED IN 2020 AERIAL.

Threats:

SURROUNDING DEVELOPMENT.

General:

1 ADULT AND 1 JUVENILE OBSERVED AND HEARD ON 31 AUG 2004.

PLSS: T06S, R09W, Sec. 21, NW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3722249 E423262
Latitude/Longitude: 33.6373 / -117.82745
Elevation (feet): 243

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

HOW04F0017 HOWARD, S. (CHAMBERS GROUP, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2004-08-31

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7290	**EO Index:**	120359
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBJ08081
Occurrence Number:	1168	**Occurrence Last Updated:**	2021-05-06

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-05-19	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2016-05-19	**Occurrence Rank:**	Unknown
Owner/Manager:	CITY OF IRVINE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

1.2 MILES SOUTHWEST OF SAND CANYON RESERVOIR, TURTLE ROCK, SAN JOAUQUIN HILLS, IRVINE.

Detailed Location:

Ecological:

HIGHLY DISTURBED AND HIGH QUAILITY COASTAL SAGE SCRUB DOMINATED BY CALIFORNIA SAGEBRUSH. SITE IS SURROUNDED BY HOUSING DEVELOPMENT.

Threats:

DEVELOPMENT.

General:

1980: 3-6 PAIRS ESTIMATED. 1995: 10 PAIRS. 1997: 6 PAIRS. 1998: 11 PAIRS. 2001: 4 PAIRS AND 7 FLEDGES/SINGLES. 2016: 5 PAIRS WITH JUVENILES, 2 PAIRS, AND 6 SINGLE MALES.

PLSS:	T06S, R09W, Sec. 22, NW (S)	**Accuracy:**	non-specific area	**Area (acres):**	104
UTM:	Zone-11 N3722137 E424674	**Latitude/Longitude:**	33.6364 / -117.81222	**Elevation (feet):**	489

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

ATW80U0001	ATWOOD, J.L. - CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX
ATW99R0001	ATWOOD, J. ET AL. - POPULATION DYNAMICS, DISPERSAL AND DEMOGRAPHY OF CALIFORNIA GNATCATCHERS IN ORANGE CO., CALIFORNIA (1998 PROGRESS REPORT) 1999-02-06
BON95F0004	BONTRAGER, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1995-XX-XX
BON97F0003	BONTRAGER, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1997-XX-XX
DUD02U0009	DUDEK & ASSOCIATES, INC. - FOCUSED CALIFORNIA GNATCATCHER SURVEY AT TURTLE ROCK/STRAWBERRY FARMS, ORANGE COUNTY, CALIFORNIA 2002-01-29
MUL16R0003	MULLEN, K. (DUDEK AND ASSOCIATES) - RESULTS OF THE 2016 COASTAL CALIFORNIA GNATCATCHER FOCUSED SURVEYS FOR THE TURTLE ROCK RESOURCE AND RECREATION MANAGEMENT PLAN, ORANGE COUNRTY, CALIFORNIA 2016-08-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7291	**EO Index:**	120360
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBJ08081
Occurrence Number:	1169	**Occurrence Last Updated:**	2021-05-06

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-06-29	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2016-06-29	**Occurrence Rank:**	Good
Owner/Manager:	CITY OF IRVINE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

JUST NORTH OF TURTLE ROCK DR AND SYCAMORE CREEK ROAD INTERSECTION, FRENCH HILL, IRVINE

Detailed Location:

Ecological:

COASTAL SAGE SCRUB AND NON-NATIVE GRASSLAND SURROUNDED BY URBAN DEVELOPMENT.

Threats:

General:

2 PAIRS DETECTED IN 1998. 1 PAIR AND 1 PAIR WITH JUVENILES OBSERVED BETWEEN 20 APR AND 29 JUN 2016.

PLSS:	T06S, R09W, Sec. 15, SW (S)	**Accuracy:**	non-specific area	**Area (acres):**	44
UTM:	Zone-11 N3723537 E424830	**Latitude/Longitude:**	33.64903 / -117.81066	**Elevation (feet):**	306

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

ATW99R0001	ATWOOD, J. ET AL. - POPULATION DYNAMICS, DISPERSAL AND DEMOGRAPHY OF CALIFORNIA GNATCATCHERS IN ORANGE CO., CALIFORNIA (1998 PROGRESS REPORT) 1999-02-06
MUL16R0003	MULLEN, K. (DUDEK AND ASSOCIATES) - RESULTS OF THE 2016 COASTAL CALIFORNIA GNATCATCHER FOCUSED SURVEYS FOR THE TURTLE ROCK RESOURCE AND RECREATION MANAGEMENT PLAN, ORANGE COUNRTY, CALIFORNIA 2016-08-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7292
EO Index: 120361
Key Quad: Tustin (3311767)
Element Code: ABPBJ08081
Occurrence Number: 1170
Occurrence Last Updated: 2021-05-07

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2000-07-20
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2000-07-20
Occurrence Rank: Fair
Owner/Manager: CITY OF NEWPORT BEACH
Trend: Unknown
Presence: Presumed Extant

Location:
ARROYO PARK, S SIDE OF BONITA CANYON DR BETWEEN MACARTHER BLVD AND MESA VIEW DR, SOUTH OF UC IRVINE.

Detailed Location:

Ecological:

Threats:

General:
1 PAIR DETECTED BETWEEN 1 MAR AND 20 JUL 2000.

PLSS: T06S, R09W, Sec. 19, S (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3721326 E420359
Latitude/Longitude: 33.62877 / -117.85867
Elevation (feet): 137

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:
BON00F0001 BONTRAGER, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2000-07-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7293
EO Index: 120362
Key Quad: Tustin (3311767)
Element Code: ABPBJ08081
Occurrence Number: 1171
Occurrence Last Updated: 2021-05-07

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 1998-07-15
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-07-15
Occurrence Rank: Fair
Owner/Manager: CITY OF IRVINE
Trend: Unknown
Presence: Presumed Extant

Location:

JUST SOUTH OF STARCREST AND TURTLE ROCK DR INTERSECTION, TURTLE ROCK, IRVINE.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB HABITAT SURROUNDED BY DEVELOPMENT.

Threats:

DEVELOPMENT

General:

1 PAIR DETECTED BETWEEN 19 MAR AND 15 JUL 1998.

PLSS: T06S, R09W, Sec. 22, NW (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3722868 E425050
Latitude/Longitude: 33.64302 / -117.80822
Elevation (feet): 318

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

ATW99R0001 ATWOOD, J. ET AL. - POPULATION DYNAMICS, DISPERSAL AND DEMOGRAPHY OF CALIFORNIA GNATCATCHERS IN ORANGE CO., CALIFORNIA (1998 PROGRESS REPORT) 1999-02-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7297
EO Index: 120364
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 1172
Occurrence Last Updated: 2021-05-10

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 1980-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1980-XX-XX
Occurrence Rank: Poor
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

SAN JOAQUIN RESERVOIR, IRVINE.

Detailed Location:

ATWOOD SITE 275: SAN JOAQUIN RESERVOIR.

Ecological:

AREA AROUND RESERVOIR HAS BEEN HEAVILY DEVELOPED (WEST SIDE OF RESERVOIR IN 1960S; EAST SIDE OF RESERVOIR IN 1980S). HABITAT MAY STILL EXIST IMMEDIATELY ADJACENT TO RESERVOIR.

Threats:

DEVELOPMENT

General:

6 INDIVIDUALS OBSERVED (6-12 PAIRS ESTIMATED) IN 1980 STUDY.

PLSS: T06S, R09W, Sec. 29, S (S)
Accuracy: 2/5 mile
Area (acres): 280
UTM: Zone-11 N3720044 E421845
Latitude/Longitude: 33.61731 / -117.84253
Elevation (feet): 436

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

ATW80U0001 ATWOOD, J.L. - CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7337
EO Index: 120408
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 1178
Occurrence Last Updated: 2021-05-13

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 1998-03-07
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-03-07
Occurrence Rank: Fair
Owner/Manager: CITY OF NEWPORT BEACH
Trend: Unknown
Presence: Presumed Extant

Location:

0.5 MILE NORTH OF MACARTHUR BLVD AND HWY 1 INTERSECTION, NEWPORT BEACH.

Detailed Location:

Ecological:

SMALL PATCH OF HIGH-QUALITY COASTAL SAGE SCRUB DOM BY ARTEMISIA CALIFORNICA & CALIFORNIA SUNFLOWER, INCLUDING ERIOGONUM FASCICULATUM, HAZARDIA SQUARROSA, & OPUNTIA LITTORALIS. SITE UNDEVELOPED IN 2020 AERIAL, BUT SURROUNDINGS DEVELOPED.

Threats:

PROPOSED VARIOUS LAND USES AT THIS SITE THAT COULD ENTAIL REMOVING CSS OR OTHER NATURAL COMMUNITIES

General:

1 PAIR OBSERVED ON 7 MAR 1998; FEMALE WAS OBSERVED CARRYING NESTING MATERIAL.

PLSS: T06S, R10W, Sec. 36, NE (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3719329 E419176
Latitude/Longitude: 33.61066 / -117.87124
Elevation (feet): 188

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

HAM98F0004 HAMILTON, R. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1998-03-07

HAM98U0001 HAMILTON, R. - FAX OF CALIFORNIA GNATCATCHER SIGHTING IN NEWPORT BEACH. 1998-03-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7347	**EO Index:**	120418
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	1179	**Occurrence Last Updated:**	2021-05-17

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-05-26	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY- LAGUNA COAST WP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

EMERALD CANYON, 2.8 MILES NORTH OF RECREATION POINT, LAGUNA COAST WILDERNESS PARK.

Detailed Location:

Ecological:

HIGH QUALITY COASTAL SAGE SCRUB COMMUNITIES ALONG COASTAL FOOTHILLS OF THE SANTA ANA MOUNTAINS.

Threats:

General:

DETECTED ON 26 MAY 2016. NONE DETECTED BETWEEN 15 MAR AND 30 APR 2020.

PLSS:	T07S, R09W, Sec. 11, NE (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3716090 E427498	**Latitude/Longitude:**	33.58206 / -117.78129	**Elevation (feet):**	674

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
STR16D0003	STRATTON, G. - EXCEL TABLE FOR CALIFORNIA GNATCATCHER DETECTIONS IN ORANGE COUNTY, 2016 2016-06-03
STR16F0011	STRATTON, G. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-06-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7352
EO Index: 120424
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 1180
Occurrence Last Updated: 2021-05-17

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2016-07-21
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2016-07-21
Occurrence Rank: Good
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
CANYON ACRES TRAIL HEAD, AT THE EAST END OF CANYON ACRES DR, CANYON ACRES, NORTHEAST LAGUNA BEACH.

Detailed Location:

Ecological:
LAUREL SUMAC SCRUB VEGETATION. SURROUNDING LAND USE INCLUDES HIKING/BIKING AND RESIDENTIAL HOUSING.

Threats:
DROUGHT CONDITIONS ON VEGETATION COMMUNITY AND NEARBY RIPARIAN HABITAT

General:
1 INDIVIDUAL, LIKELY A JUVENILE, DETECTED ON 21 JUL 2016.

PLSS: T07S, R09W, Sec. 24, NE (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3712847 E428753
Latitude/Longitude: 33.55289 / -117.7675
Elevation (feet): 217

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:
VEC16F0001 VECCHIO, C. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2016-07-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7353
EO Index: 120425
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 1181
Occurrence Last Updated: 2021-05-17

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2003-04-28
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-04-28
Occurrence Rank: Unknown
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:
0.25 MILE NORTHWEST OF PARK AVE AND ALTA LAGUNA BLVD INTERSECTION, TOP OF THE WORLD, NORTHEAST OF LAGUNA BEACH.

Detailed Location:

Ecological:

Threats:

General:
DETECTED ON 17 MAR AND 28 APR 2003.

PLSS: T07S, R08W, Sec. 19, NW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3713002 E429244
Latitude/Longitude: 33.55432 / -117.76222
Elevation (feet): 725

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

NRO08D0001 NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7354
EO Index: 120427
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 1182
Occurrence Last Updated: 2021-05-18

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2004-05-06
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2004-05-06
Occurrence Rank: Unknown
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:
JUST NORTH OF ALTA LAGUNA PARK, TOP OF THE WORLD, NORTHEAST OF LAGUNA BEACH, ALISO AND WOOD CANYONS WILDERNESS PARK.

Detailed Location:

Ecological:

Threats:

General:
DETECTED ON 16 MAR AND 6 MAY 2004.

PLSS: T07S, R08W, Sec. 18, SW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3713326 E429428
Latitude/Longitude: 33.55725 / -117.76026
Elevation (feet): 985

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

NRO08D0001 NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7355
EO Index: 120428
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 1183
Occurrence Last Updated: 2021-05-18

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2002-05-29
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2002-05-29
Occurrence Rank: Unknown
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:
ALONG CAR WRECK TRAIL, JUST SOUTH OF MATHIAS CANYON TRAIL INTERSECTION, ALISO AND WOOD CANYONS WILDERNESS PARK.

Detailed Location:

Ecological:
COASTAL SAGE SCRUB.

Threats:

General:
1 MALE DETECTED ON 29 MAY 2002.

PLSS: T07S, R08W, Sec. 18, SW (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3713900 E429900
Latitude/Longitude: 33.56247 / -117.75523
Elevation (feet): 775

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7356
EO Index: 120429
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 1184
Occurrence Last Updated: 2021-05-18

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2017-04-26
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-04-26
Occurrence Rank: Good
Owner/Manager: DPR-CRYSTAL COVE SP
Trend: Unknown
Presence: Presumed Extant

Location:

JUST EAST OF LOWER MORO CAMPGROUND, CRYSTAL COVE STATE PARK.

Detailed Location:

Ecological:

HIGH QUALITY COASTAL SAGE SCRUB COMMUNITIES ALONG COASTAL FOOTHILLS IN CRYSTAL COVE STATE PARK.

Threats:

General:

DETECTED ON 26 APR 2017.

PLSS: T07S, R09W, Sec. 11, SW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3715415 E426591
Latitude/Longitude: 33.5759 / -117.791
Elevation (feet): 767

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

DEL17F0075 DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA, INCLUDING KMZ OF DETECTIONS [SC-012609] 2017-04-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7357	**EO Index:**	120430
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	1185	**Occurrence Last Updated:**	2021-06-18

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-06-09	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

JUST SOUTH OF VISTA RIDGE RD AND OCEAN HEIGHTS DR INTERSECTION, LAGUNA COAST WILDERNESS PARK.

Detailed Location:

Ecological:

AREA BURNED IN THE 1993 LAGUNA BEACH FIRE.

Threats:

General:

JUVENILE DETECTED IN AUG 1995. DETECTED BETWEEN 15 MAR AND 9 JUN 2016. NONE DETECTED BETWEEN 15 MAR AND 30 APR 2020.

PLSS:	T07S, R09W, Sec. 4, NE (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3717786 E423788	**Latitude/Longitude:**	33.59709 / -117.82141	**Elevation (feet):**	750

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

GRI96R0002	GRIFFITH WILDLIFE BIOLOGY (GRIFFITH WILDLIFE BIOLOGY) - 1995 SAN JOAQUIN HILLS BURN AREA CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN STUDY 1996-03-11
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7358
EO Index: 120431
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 1186
Occurrence Last Updated: 2021-05-18

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 1995-09-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1995-09-XX
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Possibly Extirpated

Location:
JUST NORTH OF S BEACH (ROAD) AND SHELL BEACH (ROAD) INTERSECTION, NEWPORT BEACH.

Detailed Location:

Ecological:
FIRE BURNED THROUGH AREA IN 1993 LAGUNA BEACH FIRE. SITE WAS DEVELOPED IN THE 2000S; LIKELY EXTIRPATED.

Threats:
DEVELOPMENT.

General:
2 BIRDS OBSERVED IN SEP 1995. SITE WAS DEVELOPED IN THE 2000S; LIKELY EXTIRPATED.

PLSS: T07S, R09W, Sec. 9, NW (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3715956 E423043
Latitude/Longitude: 33.58053 / -117.82927
Elevation (feet): 551

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
GRI96R0002 GRIFFITH WILDLIFE BIOLOGY (GRIFFITH WILDLIFE BIOLOGY) - 1995 SAN JOAQUIN HILLS BURN AREA CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN STUDY 1996-03-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7369
EO Index: 120441
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 1187
Occurrence Last Updated: 2021-05-19

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2017-04-26
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-04-26
Occurrence Rank: Excellent
Owner/Manager: DPR-CRYSTAL COVE SP
Trend: Unknown
Presence: Presumed Extant

Location:
MORRO CANYON, 1.6 MILES NORTH OF EMERALD BAY, CRYSTAL COVE STATE PARK.

Detailed Location:

Ecological:
HIGH QUALITY COASTAL SAGE SCRUB COMMUNITIES ALONG COASTAL FOOTHILLS IN CRYSTAL COVE STATE PARK.

Threats:

General:
5 DETECTIONS ON 26 APR 2017.

PLSS: T07S, R09W, Sec. 10, SW (S)
Accuracy: specific area
Area (acres): 24
UTM: Zone-11 N3715379 E424994
Latitude/Longitude: 33.57547 / -117.8082
Elevation (feet): 187

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
STR17F0015 STRATTON, G. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA WITH KMZ OF DETECTIONS 2017-04-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7370
Key Quad: Tustin (3311767)
Occurrence Number: 1188
EO Index: 120442
Element Code: ABPBJ08081
Occurrence Last Updated: 2021-05-21

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2019-07-29
Last Survey Date: 2019-07-29
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

WILLIAM R. MASON REGIONAL PARK, 0.5 MILE SOUTHEAST OF UNIVERSITY DR AND CULVER DR INTERSECTION, IRVINE.

Detailed Location:

ALONG TURTLE ROCK TRAIL, JUST SOUTH OF UNIVERISTY TRAIL INTERSECTION.

Ecological:

Threats:

General:

2 INDIVIDUALS OBSERVED NESTING ON 29 JUL 2019.

PLSS: T06S, R09W, Sec. 16, NE (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3724100 E424021
Latitude/Longitude: 33.65405 / -117.81943
Elevation (feet): 77

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

HAM19D0001 HAMILTON, R. ET AL. - SHAPEFILE OF SPECIAL STATUS SPECIES COMPILED BY MELANIE SCHLOTTERBECH AND FRIENDS OF HARBORS, BEACHES AND PARKS IN ORANGE AND SAN BERNARDINO COUNTIES, 1989-2019. 2019-10-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7371	**EO Index:**	120443
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBJ08081
Occurrence Number:	1189	**Occurrence Last Updated:**	2021-06-18

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.2 MILE AND 0.5 MILE SOUTH OF SHADY CANYON DR AND SAGE CREEK (ROAD) INTERSECTION, SHADY CANYON GOLF CLUB, IRVINE.

Detailed Location:

Ecological:

HABITAT APPEARS TO BE POSSIBLE NATIVE VEGETATION BETWEEN OR AROUND FAIRWAYS OF GOLF COURSE.

Threats:

General:

1 PAIR DETECTED BETWEEN 31 MAR AND 20 APR 1994. NONE DETECTED IN 2016. DETECTED BETWEEN 15 MAR AND 24 JUN 2020.

PLSS:	T06S, R09W, Sec. 23, SW (S)	**Accuracy:**	non-specific area	**Area (acres):**	35
UTM:	Zone-11 N3721652 E426381	**Latitude/Longitude:**	33.63214 / -117.79378	**Elevation (feet):**	261

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

DEL20F0013	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-04-15
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
TAY94U0005	TAYLOR, S. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. AT SAND CANYON WASH. 1994-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7439
EO Index: 120515
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 1190
Occurrence Last Updated: 2021-06-10

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2020-06-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-06-24
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

1 MILE SOUTHWEST OF HWY 73 AND LAGUNA CANYON RD JUNCTION, LAGUNA COAST WILDERNESS PARK, SAN JOAQUIN HILLS.

Detailed Location:

Ecological:

OPEN SPACE.

Threats:

General:

NONE DETECTED IN 2016. DETECTED BETWEEN 15 MAR AND 24 JUN 2020.

PLSS: T07S, R09W, Sec. 1, SW (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3716840 E428099
Latitude/Longitude: 33.58886 / -117.77487
Elevation (feet): 803

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7380
EO Index: 120451
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 1191
Occurrence Last Updated: 2021-06-08

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2016-04-20
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-04-30
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
JUST EAST OF SHADY CANYON, 2 MILES EAST OF SIGNAL PEAK, LAGUNA COAST WILDERNESS PARK, SAN JOAQUIN HILLS.

Detailed Location:

Ecological:

Threats:

General:
1 PAIR DETECTED ON 22 MAR, 1 TERRITORIAL MALE ON 4 APR, AND CAGN DETECTED ON 20 APR 2016. NONE DETECTED BETWEEN 15 MAR AND 30 APR 2020.

PLSS: T06S, R09W, Sec. 36, NE (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3719240 E428248
Latitude/Longitude: 33.61052 / -117.77345
Elevation (feet): 816

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7391	**EO Index:**	120464
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	1192	**Occurrence Last Updated:**	2021-05-25

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2011-08-17	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2011-08-17	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALISO CREEK, JUST WEST OF ALICIA PKWY, ALISO CANYON COMMUNITY PARK, LAGUNA NIGUEL

Detailed Location:

Ecological:

COASTAL SAGE SCRUB.

Threats:

General:

1 PAIR AND 6 INDIVIDUALS DETECTED BETWEEN 8 SEP 2006 AND 14 FEB 2007. DETECTED BETWEEN 21 JUL AND 17 AUG 2011.

PLSS:	T07S, R08W, Sec. 21, W (S)	**Accuracy:**	non-specific area	**Area (acres):**	50
UTM:	Zone-11 N3712439 E433069	**Latitude/Longitude:**	33.54949 / -117.72098	**Elevation (feet):**	139

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

LEM07U0003	LEMONS, P. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY, ALISO CREEK WATER QUALITY SUPER PROJECT. 2007-04-11
WOT11U0001	WOTIPKA, T. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY FOR THE COASTAL TREATMENT PLANT EXPORT SLUDGE FORCE MAIN PROJECT, SOUTH ORANGE COUNTY WATER AUTHORITY, 2011-12-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7392
EO Index: 120465
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 1193
Occurrence Last Updated: 2021-05-25

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2007-02-14
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2007-02-14
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
ALISO CREEK, 0.7 MILE WNW OF ALICIA PKWY AT HIGHLAND AVE, ALISO CANYON COMMUNITY PARK, LAGUNA NIGUEL.

Detailed Location:

Ecological:
COASTAL SAGE SCRUB.

Threats:

General:
1 PAIR DETECTED BETWEEN 8 SEP 2006 AND 14 FEB 2007.

PLSS: T07S, R08W, Sec. 21, SW (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3711896 E432556
Latitude/Longitude: 33.54456 / -117.72646
Elevation (feet): 126

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

LEM07U0003 LEMONS, P. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY, ALISO CREEK WATER QUALITY SUPER PROJECT. 2007-04-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7393	**EO Index:**	120466
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	1194	**Occurrence Last Updated:**	2021-05-25

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2018-06-11	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2018-06-11	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

JUST SOUTHEAST OF TOP OF THE WORLD DR AND ALTA LAGUNA BLVD INTERSECTION, TOP OF THE WORLD, WEST OF LAGUNA BEACH.

Detailed Location:

Ecological:

Threats:

General:

1 PAIR DETECTED ON 11 JUN 2018.

PLSS:	T07S, R08W, Sec. 19, SE (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3711663 E430252	**Latitude/Longitude:**	33.54231 / -117.75126	**Elevation (feet):**	736

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

KAM18D0001 KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7395	**EO Index:**	120468
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	1195	**Occurrence Last Updated:**	2021-06-18

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2018-06-12	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Fair
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALISO CREEK, 1 MI N OF NIGUEL HILL & 1 MI W OF HIGHLANDS AVE AT PACIFIC ISLAND DR, ALISO & WOOD CANYONS WILDERNESS PARK.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB AND GRASSLAND. SITE DISTURBED BY UNAUTHORIZED MOUNTAIN BIKE TRAILS.

Threats:

FIRE

General:

2006-2007: 2 PAIRS AND 3 INDIVIDUALS. 2009: 1 PAIR WITH 1+ JUVENILES. 2011: 1 ADULT AND 1 USE AREA IDENTIFIED. 2016: 1 PAIR. 2018: 3 ADULTS. 2020: NONE DETECTED.

PLSS:	T07S, R08W, Sec. 32, N (S)	**Accuracy:**	non-specific area	**Area (acres):**	118
UTM:	Zone-11 N3709759 E431472	**Latitude/Longitude:**	33.52522 / -117.73797	**Elevation (feet):**	58

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

BOU09R0001	BOUCHER, C. ET AL. (RECON ENVIRONMENTAL, INC.) - RESULTS FOR THE 2009 COASTAL CALIFORNIA GNATCATCHER FOCUSED SURVEY FOR THE ALISO CREEK ECOSYSTEM RESTORATION STUDY, ORANGE COUNTY, CALIFORNIA (RECON NUMBER 5162) 2009-11-19
KAM11F0014	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2011-03-16
KAM16D0001	KAMADA, D. - 2016 SENSITIVE SPECIES SIGHTINGS DURING LEAST BELL'S VIREO NEST SEARCHING IN VENTURA COUNTY AND CALIFORNIA GNATCATCHER OBSERVATIONS IN ORANGE COUNTY[SC-001360]. 2016-XX-XX
KAM16F0002	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001360]. 2016-03-15
KAM18D0001	KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
LEM07U0003	LEMONS, P. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY, ALISO CREEK WATER QUALITY SUPER PROJECT. 2007-04-11
WOT11U0001	WOTIPKA, T. (DUDEK AND ASSOCIATES) - FOCUSED CALIFORNIA GNATCATCHER SURVEY FOR THE COASTAL TREATMENT PLANT EXPORT SLUDGE FORCE MAIN PROJECT, SOUTH ORANGE COUNTY WATER AUTHORITY, 2011-12-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7396
EO Index: 120469
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 1196
Occurrence Last Updated: 2021-05-26

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2018-05-14
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2018-05-14
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
NORTHWEST OF ALISO CREEK ABOUT 0.7 UPSTREAM MILES FROM THE OCEAN, 0.7 MILE WEST OF NIGUEL HILL, SOUTH LAGUNA.

Detailed Location:

Ecological:

Threats:

General:
1 MALE ADULT SEEN AND HEARD ON 14 MAY 2018.

PLSS: T07S, R08W, Sec. 31, SE (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3708686 E430711
Latitude/Longitude: 33.5155 / -117.74609
Elevation (feet): 259

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756)

Sources:

KAM18D0001 KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7402
EO Index: 120477
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 1197
Occurrence Last Updated: 2021-05-27

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 1994-03-14
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1994-03-14
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
JUST EAST GOLDEN LANTERN (ROAD) AT DUCHESS ST, 0.8 MILE SOUTHWEST OF HWY 73 AND I-5 JUNCTION, LAGUNA NIGUEL.

Detailed Location:

Ecological:

Threats:

General:
1 PAIR DETECTED BETWEEN23 FEB AND 14 MAR 1994.

PLSS: T07S, R08W, Sec. 26, SE (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3710409 E436756
Latitude/Longitude: 33.53141 / -117.68112
Elevation (feet): 467

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

TAY94U0004	TAYLOR, S. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. 1994-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7404
EO Index: 120478
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 1198
Occurrence Last Updated: 2021-05-27

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2012-07-26
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2012-07-26
Occurrence Rank: Good
Owner/Manager: CALTRANS, UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

ALISO CREEK, EAST OF CABOT RD AND JUST SOUTHWEST OF I-5 AT OSO PARKWAY, MISSION VIEJO.

Detailed Location:

Ecological:

VEGETATED WITH MATURE AND YOUNG WILLOW SPECIES (SALIX SP.), MULEFAT (BACCHARIS SALICIFOLIA), AND UPLAND RUDERAL SPECIES. SURROUNDING LAND USE INCLUDES RESIDENTIAL, LIGHT INDUSTRIAL, COMMERCIAL, AND PAVED TRAIL ALONG CREEK.

Threats:

DEVELOPMENT, WEEDS.

General:

2 ADULTS AND 2 JUVENILES OBSERVED BETWEEN 10 MAY AND 26 JUL 2012.

PLSS: T07S, R08W, Sec. 12, NW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3715661 E437478
Latitude/Longitude: 33.57881 / -117.67372
Elevation (feet): 356

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

QUO12F0032 QUON, I. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2012-05-10

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7407
EO Index: 120481
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 1199
Occurrence Last Updated: 2021-05-28

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 1993-04-21
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1993-04-21
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Possibly Extirpated

Location:

JUST SW OF CROWN VALLEY PKWY AT MARGURITE PKWY, ABOUT 0.75 MILE E OF I-5 AND NNE OF SADDLEBACK COLLEGE, MISSION VIEGO.

Detailed Location:

ATWOOD SITE 305.

Ecological:

HABITAT WAS FLOODPLAIN SAGE SCRUB DOMINATED BY BUCKWHEAT, ENCELIA, ARTEMISIA CALIFORNICA, LEMONADE BERRY, ELDERBERRY, OPUNTIA SPP., STIPA SPP. AERIAL IMAGERY SHOWS SITE HAS BEEN DEVELOPED.

Threats:

DEVELOPMENT, SAND & GRAVEL OPERATION TO THE NE

General:

1980: 9 INDIVIDUALS OBSERVED; 7-12 PAIRS ESTIMATED BY ATWOOD. 1 ADULT DETECTED ON 21 APR 1993.

PLSS: T07S, R08W, Sec. 13, SE (S)
Accuracy: 1/5 mile
Area (acres): 70
UTM: Zone-11 N3713636 E438714
Latitude/Longitude: 33.56063 / -117.66026
Elevation (feet): 564

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

ATW80U0001 ATWOOD, J.L. - CALIFORNIA BLACK-TAILED GNATCATCHER POPULATION SURVEY, 1980. UCLA DEPT. OF BIOLOGY. 1980-XX-XX

HEF93F0003 HEFFLEY, C. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1993-04-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7408
EO Index: 120482
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 1200
Occurrence Last Updated: 2021-06-01

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2018-05-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2018-05-24
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
WOOD CANYON, 0.4 MI WSW OF WOOD CYN DR AT OAK VIEW DR & 1.4 MI N OF ALISO CREEK, ALISO AND WOOD CANYON WILDERNESS PARK

Detailed Location:

Ecological:

Threats:

General:
1 TERRITORIAL MALE SEEN/HEARD ON 24 MAY 2018.

PLSS: T07S, R08W, Sec. 17, SW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3713702 E431136
Latitude/Longitude: 33.56076 / -117.74189
Elevation (feet): 265

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756)

Sources:

KAM18D0001 KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7409	**EO Index:**	120483
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	1201	**Occurrence Last Updated:**	2021-06-01

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-05-03	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

WOOD CANYON, 1.7 MILES NORTH OF ALISO CREEK CONFLUENCE, ALISO AND WOOD CANYON WILDERNESS PARK.

Detailed Location:

Ecological:

HIGH QUALITY COASTAL SAGE SCRUB COMMUNITIES ALONG COASTAL FOOTHILLS OF THE SANTA ANA MOUNTAINS

Threats:

General:

NONE DETECTED ON 17 MAR, 4 APR, AND 20 APR 2016. DETECTED ON 3 MAY 2016. NONE DETECTED BEWTWEEN 15 MAR AND 30 APR 2020.

PLSS:	T07S, R08W, Sec. 17, NW (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3714179 E430827	**Latitude/Longitude:**	33.56504 / -117.74527	**Elevation (feet):**	274

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16D0001	LEATHERMAN, B. - COORDINATE TABLE OF CALIFORNIA GNATCATCHER DETECTIONS [SC-001562]. 2016-XX-XX
LEA16F0007	LEATHERMAN, B. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-001562]. 2016-04-15
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7410
EO Index: 120484
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 1202
Occurrence Last Updated: 2021-06-01

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2018-06-08
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2018-06-08
Occurrence Rank: Fair
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

JUST WEST OF WESTRIDGE PARK AND EAST OF FIVE OAKS TRAIL, ALISO AND WOOD CANYON WILDERNESS PARK, ALISO VIEJO.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB AND GRASSLAND HABITAT.

Threats:

FIRES

General:

1 PAIR DETECTED BEWTEEN 16 MAR AND 19 MAY 2011. 1 TERRITORIAL MALE SEEN/HEARD ON 8 JUN 2018.

PLSS: T07S, R08W, Sec. 17, NW (S)
Accuracy: specific area
Area (acres): 11
UTM: Zone-11 N3714645 E431143
Latitude/Longitude: 33.56926 / -117.7419
Elevation (feet): 592

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

KAM11F0018 KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2011-03-16

KAM18D0001 KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7411	**EO Index:**	120485
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	1203	**Occurrence Last Updated:**	2021-06-01

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2011-05-19	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2011-05-19	**Occurrence Rank:**	Fair
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.2 MILE WEST OF THE END OF FAWNRIDGE PL, ALISO AND WOOD CANYON WILDERNESS PARK, ALISO VIEJO.

Detailed Location:

ATTRIBUTED 1998 OBSERVATION FROM WATER TANK SITE EAST OF PEPPERTREE ROAD, SOUTH OF PACIFIC PARK DRIVE, AND NORTH OF LAGUNA COAST WILDERNESS PARK.

Ecological:

RUDERAL AND DISTURBED COASTAL SAGE SCRUB HABITAT ADJACENT TO TWO WATER TANKS. AREA TO THE EAST WAS DEVELOPED AND SOUTH WATER TANK WAS BUILT IN 2000S.

Threats:

FIRES, DEVELOPEMENT.

General:

1 MALE AND 1 FEMALE OBSERVED FORAGING TOGETHER ON 29 NOV 1998. 1 PAIR DETECTED BETWEEN 16 MAR AND 19 MAY 2011.

PLSS:	T07S, R08W, Sec. 8, SW (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3715222 E430915	**Latitude/Longitude:**	33.57445 / -117.74439	**Elevation (feet):**	769

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

BOM98U0002	BOMKAMP, T. (GLENN LUKOS ASSOCIATES) - SUBMITTAL REQUIREMENTS OF COASTAL CALIFORNIA GNATCATCHER SURVEYS ON MOULTON RESERVOIR SITE, ALISO VIEJO. 1998-12-15
KAM11F0018	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2011-03-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7414
EO Index: 120488
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 1204
Occurrence Last Updated: 2021-06-01

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2018-05-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2018-05-24
Occurrence Rank: Unknown
Owner/Manager: CITY OF ALISO VIEJO
Trend: Unknown
Presence: Presumed Extant

Location:
HUMMINGBIRD PARK, 0.3 MILE NORTHEAST OF HWY 73 AND EL TORO RD, ALISO VIEJO.

Detailed Location:

Ecological:

Threats:

General:
1 PAIR SEEN/HEARD ON 24 MAY 2018.

PLSS: T07S, R08W, Sec. 5, W (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3717129 E430919
Latitude/Longitude: 33.59165 / -117.7445
Elevation (feet): 482

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

KAM18D0001 KAMADA, D. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA & CAMPYLORHYNCHUS BRUNNEICPILLUS SANDIEGENSIS DETECTIONS, 2018 [SC-001360] 2018-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7415
EO Index: 120489
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBJ08081
Occurrence Number: 1205
Occurrence Last Updated: 2021-06-01

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2019-04-04
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2019-04-04
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

SOUTH OF HWY 73, JUST EAST OF EL TORO RD INTERSECTION, ALISO AND WOOD CANYON WILDERNESS PARK, ALISO VIEJO.

Detailed Location:

Ecological:

COASTAL SAGE SCRUB DOMINATED BY COASTAL SAGE SCRUB AND MULE FAT SCRUB. OPEN LAND IN THE IMMEDIATE VICINITY. RESIDENTIAL HOUSING TO THE NORTH AND EAST, AND OPEN LAND TO THE SOUTH. SITE DISTURBED BY TRAILS.

Threats:

General:

1 ADULT MALE OBSERVED ON 3 APR AND 1 ADULT FEMALE ON 4 APR 2019 (PRESUMBLY PAIRED).

PLSS: T07S, R08W, Sec. 6, SE (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3716829 E430520
Latitude/Longitude: 33.58892 / -117.74878
Elevation (feet): 376

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

AGU19F0007 AGUAYO, J. & L. MESSETT (PSOMAS ENGINEERING) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2019-04-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7428	**EO Index:**	120501
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBJ08081
Occurrence Number:	1206	**Occurrence Last Updated:**	2021-06-03

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	1988-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1988-XX-XX	**Occurrence Rank:**	Poor
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALONG HIGHWAY 73, JUST EAST OF GLENWOOD DR INTERSECTION, ALISO VIEJO.

Detailed Location:

Ecological:

AERIAL IMAGERY SHOWS SITE WAS DEVELOPED INTO RESIDENTIAL HOUSING AND HIGHWAY 73 WAS BUILT THROUGH SITE BY THE 1990S/2000S. AREA ADJACENT TO HIGHWAY WAS REVEGETATED AND MAY CONTAIN SUITABLE HABITAT.

Threats:

DEVELOPMENT, SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR (HIGHWAY 73) CONSTRUCTION.

General:

1 PAIR DETECTED IN THE EARLY 1980S. AT LEAST 6 MALES WERE OBSERVED IN LATE SPRING OF 1988.

PLSS:	T07S, R08W, Sec. 5, SW (S)	**Accuracy:**	non-specific area	**Area (acres):**	191
UTM:	Zone-11 N3716729 E431449	**Latitude/Longitude:**	33.58808 / -117.73876	**Elevation (feet):**	551

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

PRC84R0001	PRC ENGINEERING, INC. - SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR BIOLOGICAL RESOURCE ANALYSIS 1984-04-11
ROB90F0011	ROBERTS, F. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA 1990-08-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7434	**EO Index:**	120510
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	1207	**Occurrence Last Updated:**	2021-06-09

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2005-09-09	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2005-09-09	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

EAST OF LAGUNA CANYON RD, 1.3 MILES NORTH OF JUCNTION WITH HWY 73, WEST OF LAGUNA WOODS.

Detailed Location:

SITE NAME: LAGUNA LAKES.

Ecological:

CALIFORNIA SAGEBRUSH, FLAT-TOPPED BUCKWHEAT, MULEFAT, COYOTE BRUSH.

Threats:

ROAD CONSTRUCTION/MODIFICATIONS, FIRE, DEVELOPMENT, WEEDS

General:

1 PAIR WITH 4 NESTLINGS OBSERVED BETWEEN 20 MAR AND 15 MAY 1997; NEST COLLECTED ON 26 MAY. 1 JUVENILE DETECTED ON 6 JUN 2003. 2 DETECTIONS BETWEEN 2 APR AND 9 SEP 2005.

PLSS:	T06S, R08W, Sec. 31, NW (S)	**Accuracy:**	non-specific area	**Area (acres):**	44
UTM:	Zone-11 N3719422 E429630	**Latitude/Longitude:**	33.61225 / -117.75857	**Elevation (feet):**	434

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

BAR05F0041	BARONI, I. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2005-09-XX
BAR05U0001	BARONI, I. (LSA ASSOCIATES, INC.) - LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER SURVEYS FOR LAGUNA CANYON ROAD (SR-133) CONSTRUCTION MONITORING, ORANGE COUNTY, CALIFORNIA 2005-10-28
ERI97F0005	ERICKSON, R. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 1997-07-XX
ERI97S0001	ERICKSON, R. - WFVZ #165583 COLLECTED FROM LAGUNA LAKES, LAGUNA CANYON 1997-05-26
QUO03F0012	QUON, I. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2003-06-06
QUO03R0003	QUON, I. (LSA ASSOCIATES, INC.) - AGENCY REPORTING FORMS FOR LAGUNA CANYON ROAD, CONSTRUCTION MONITORING. 2003-10-30

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7435	**EO Index:**	120512
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	1208	**Occurrence Last Updated:**	2021-07-16

Scientific Name: *Polioptila californica californica* **Common Name:** coastal California gnatcatcher

Listing Status: **Federal:** Threatened **Rare Plant Rank:**

State: None **Other Lists:** CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2016-03-29	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-24	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

1 MILE NORTHEAST OF NEWPORT COAST DR AND HWY 1 INTERSECTION, LAGUNA COAST WILDERNESS PARK, NEWPORT COAST.

Detailed Location:

Ecological:

Threats:

General:

1 PAIR DETECTED IN 2001. 1 ADULT MALE HEARD AND 1 ADULT FEMALE SEEN ON 5 JUN 2002. DETECTED ON 29 MAR 2016. NONE DETECTED ON 13 AND 20 APR 2016 AND BETWEEN 15 MAR AND 24 JUN 2020.

PLSS:	T07S, R09W, Sec. 4, W (S)	**Accuracy:**	non-specific area	**Area (acres):**	40
UTM:	Zone-11 N3717067 E422745	**Latitude/Longitude:**	33.59053 / -117.83258	**Elevation (feet):**	319

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

FWS05D0001	U.S. FISH & WILDLIFE SERVICE - GNATCATCHERSURVEYDATA2002 (DS196): ABUNDANCE AND OCCUPANCY OF COASTAL CALIFORNIA GNATCATCHER DURING THE 2002 BREEDING SEASON (APRIL - JUNE). 2005-12-XX
HAR01R0001	HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
MIL02U0004	MILLER, W. - COASTAL CALIFORNIA GNATCATCHER POINT COUNT DATA FORMS 2002-06-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7436
EO Index: 120513
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 1209
Occurrence Last Updated: 2021-06-09

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:
OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:
LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 2020-06-02
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-06-02
Occurrence Rank: Excellent
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
BUCK GULLY PRESERVE, 1.8 MILES NORTH OF PELICAN POINT, NEWPORT BEACH.

Detailed Location:

Ecological:
HIGH QUALITY COASTAL SAGE SCRUB IN BUCK GULLY RESERVE.

Threats:

General:
1985: 1 HEARD. 1994: 4 PAIRS. 2005: 2 INDIVIDUALS (LIKELY JUVENILES). 2011: 4 ADULTS. 2015: 6 PAIRS. 2017: 14 ADULTS AND 2 JUVENILES. 2018: 19 ADULTS. 2019: 16 ADULTS. 2020: 12 ADULTS AND 6 JUVENILES.

PLSS: T06S, R09W, Sec. 32 (S)
Accuracy: non-specific area
Area (acres): 280
UTM: Zone-11 N3718542 E421533
Latitude/Longitude: 33.60375 / -117.84577
Elevation (feet): 340

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

DEL17F0073	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA [SC-012609] 2017-03-28
DEL18D0002	DELUNA, A. - EXCEL TABLE FOR POLIOPTILA CALIFORNICA CALIFORNICA DETECTIONS, 2018 [SC-012609] 2018-XX-XX
DEL18F0015	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2018-04-14
DEL19F0013	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2019-05-23
DEL20F0006	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2020-06-02
KAM11F0023	KAMADA, D. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 2011-03-22
LEA15U0002	LEATHERMAN BIOCONSULTING, INC. - RESULTS OF CALIFORNIA GNATCATCHER SURVEYS IN BUCK GULLY RESERVE. 2015-08-19
LEM05U0002	LEMONS, P. (DUDEK AND ASSOCIATES) - COMBINED CALIFORNIA GNATCATCHER AND LEAST BELL'S VIREO FOCUSED SURVEY REPORT FOR THE BUCK GULLY PROJECT. 2005-08-09
SCH85F0002	SCHONHOLTZ, R. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA (POLIOPTILA MELANURA CALIFORNICA) 1985-05-30
TAY94U0006	TAYLOR, S. ET AL. - 1994 COASTAL CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BY SWEETWATER ENVIRONMENTAL BIOLOGISTS, INC. AT BUCK GULLY/PELICAN POINT. 1994-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7440	**EO Index:**	120516
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	1210	**Occurrence Last Updated:**	2021-06-10

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	2020-04-30	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-04-30	**Occurrence Rank:**	Good
Owner/Manager:	DPR, ORA COUNTY, UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.5 MILE SOUTHEAST OF SIGNAL PEAK, SAN JOAQUIN HILLS, CRYSTAL COVE STATE PARK, EAST OF NEWPORT COAST.

Detailed Location:

Ecological:

HIGH QUALITY COASTAL SAGE SCRUB COMMUNITIES.

Threats:

General:

1 DETECTION ON 1 JUN 2000, 1 ON 8 APR 2001, 1 ON 6 APR 2002, AND 1 ON 6 MAR 2004. NONE DETECTED IN 2016. DETECTED IN 2017 AND BETWEEN 15 MAR AND 30 APR 2020.

PLSS:	T06S, R09W, Sec. 34, SE (S)	**Accuracy:**	non-specific area	**Area (acres):**	75
UTM:	Zone-11 N3718051 E425452	**Latitude/Longitude:**	33.5996 / -117.80349	**Elevation (feet):**	849

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

DEL17F0075	DELUNA, A. - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA, INCLUDING KMZ OF DETECTIONS [SC-012609] 2017-04-26
KUS16D0003	KUS, B. & R. POTTINGER (U.S. GEOLOGICAL SURVEY-WESTERN ECOLOGICAL RESEARCH CENTER) - GEODATABASE FOR 2016 CALIFORNIA GNATCATCHER SURVEYS 2016-XX-XX
LBC21R0001	LEATHERMAN BIOCONSULTING, INC. - NATURAL COMMUNITIES COALITION REGIONAL CALIFORNIA GNATCATCHER STUDY 2020 2021-01-XX
LEA16R0002	LEATHERMAN, B. ET AL. - NATURAL COMMUNITIES COALITION CALIFORNIA GNATCATCHER STUDY 2016 2016-11-XX
NRO08D0001	NATURE RESERVE OF ORANGE COUNTY - NROCTARGETBIRDSURVEYS99_04_P (DS430): CALIFORNIA GNATCATCHER AND CACTUS WREN POPULATION MONITORING, 1999-2004. 2008-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7441
EO Index: 120517
Key Quad: Laguna Beach (3311757)
Element Code: ABPBJ08081
Occurrence Number: 1211
Occurrence Last Updated: 2021-06-11

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 1995-08-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1995-08-05
Occurrence Rank: Fair
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

0.5 MILE EAST OF NEWPORT COAST DR AND HWY 1 INTERSECTION, NORTH OF CRYSTAL COVE, NEWPORT COAST.

Detailed Location:

Ecological:

AERIAL IMAGERY SHOWS SITE IS LOCATED IN GOLF COURSE WITH PATCHES OF HABITAT. ADJACENT AREA TO THE NORTH WAS DEVELOPED IN THE EARLY 2000S. AREA WAS BURNED IN 1993 LAGUNA BEACH FIRE.

Threats:

DEVELOPMENT

General:

JUVENILE(S) DETECTED BETWEEN 4 APR AND 5 AUG 1995.

PLSS: T07S, R09W, Sec. 8, NE (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3715966 E422078
Latitude/Longitude: 33.58056 / -117.83967
Elevation (feet): 208

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

GRI96R0002 GRIFFITH WILDLIFE BIOLOGY (GRIFFITH WILDLIFE BIOLOGY) - 1995 SAN JOAQUIN HILLS BURN AREA CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN STUDY 1996-03-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B7442	**EO Index:**	120518
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBJ08081
Occurrence Number:	1212	**Occurrence Last Updated:**	2021-06-11

Scientific Name: *Polioptila californica californica*

Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q

State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed:	1995-08-05	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1995-08-05	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.8 MILE EAST OF NEWPORT COAST DR AND HWY 1 INTERSECTION, LAGUNA COAST WILDERNESS PARK, NEWPORT COAST.

Detailed Location:

Ecological:

OPEN SPAC PRESERVE. ADJACENT AREA TO THE WEST WAS DEVELOPED IN EARLY 2000S. AREA WAS BURNED IN 1993 LAGUNA BEACH FIRE.

Threats:

ADJACENT DEVELOPMENT.

General:

JUVENILE(S) DETECTED BETWEEN 4 APR AND 5 AUG 1995.

PLSS:	T07S, R09W, Sec. 8, NE (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3716351 E422539	**Latitude/Longitude:**	33.58406 / -117.83474	**Elevation (feet):**	241

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

GRI96R0002 GRIFFITH WILDLIFE BIOLOGY (GRIFFITH WILDLIFE BIOLOGY) - 1995 SAN JOAQUIN HILLS BURN AREA CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN STUDY 1996-03-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7474
EO Index: 120548
Key Quad: Canada Gobernadora (3311755)
Element Code: ABPBJ08081
Occurrence Number: 1225
Occurrence Last Updated: 2021-06-22

Scientific Name: *Polioptila californica californica*
Common Name: coastal California gnatcatcher

Listing Status: **Federal:** Threatened
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T3Q
State: S2

General Habitat:

OBLIGATE, PERMANENT RESIDENT OF COASTAL SAGE SCRUB BELOW 2500 FT IN SOUTHERN CALIFORNIA.

Micro Habitat:

LOW, COASTAL SAGE SCRUB IN ARID WASHES, ON MESAS AND SLOPES. NOT ALL AREAS CLASSIFIED AS COASTAL SAGE SCRUB ARE OCCUPIED.

Last Date Observed: 1990-03-15
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1990-03-15
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Possibly Extirpated

Location:

LAS FLORES, JUST EAST OF ANOTONIO PKWY AND OSO PKWY INTERSECTION, EAST OF MISSION VIEJO.

Detailed Location:

Ecological:

Threats:

DEVELOPMENT

General:

6 PAIRS DETECTED ON 15 APR 1989. 4 INDIVIDUALS DETECTED ON 15 MAR 1990. SITE WAS DEVELOPED IN THE 2000S, LIKELY EXTIRPATED.

PLSS: T07S, R07W, Sec. 5, SE (S)
Accuracy: non-specific area
Area (acres): 108
UTM: Zone-11 N3716417 E441965
Latitude/Longitude: 33.58589 / -117.62541
Elevation (feet): 695

County Summary:

Orange

Quad Summary:

Canada Gobernadora (3311755), San Juan Capistrano (3311756)

Sources:

HAM19D0001 HAMILTON, R. ET AL. - SHAPEFILE OF SPECIAL STATUS SPECIES COMPILED BY MELANIE SCHLOTTERBECH AND FRIENDS OF HARBORS, BEACHES AND PARKS IN ORANGE AND SAN BERNARDINO COUNTIES, 1989-2019. 2019-10-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	20478	**EO Index:**	30253
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBW01114
Occurrence Number:	171	**Occurrence Last Updated:**	2018-09-28

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2018-07-31	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2018-07-31	**Occurrence Rank:**	Excellent
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAND CANYON WASH, N & S OF SAND CANYON RESERVOIR, S OF UNIVERSITY DR AND E OF CULRVER DR, E OF UC IRVINE.

Detailed Location:

SITE INCLUDES STRAWBERRY FARMS GOLF CLUB INCLUDING SAND CANYON RESERVOIR AND WILLIAM R. MASON REGIONAL PARK. ALL DETECTIONS MADE BETWEEN MAR-JUL OF EACH YEAR.

Ecological:

HABITAT COMPOSED OF WILLOW RIPARIAN SCRUB DOMINATED BY ARROYO WILLOW, MULE FAT, CATTAIL, ELDERBERRY, AND WESTERN SYCAMORE. HABITAT TO THE EAST AND SOUTH IS INTERMIXED WITH GOLF COURSE. INCREASED RESIDENTIAL DEVELOPMENT SINCE 2002.

Threats:

THREATENED BY DEVELOPMENT.

General:

1 PAIR DETECTED IN 1991. 2-10 PAIRS IN 1994-1997. 5-8 PAIRS & 11-20 FLEDGLINGS IN 1998-2001. 6 TERRITORIES & 4 YOUNG IN 2006. 2 PAIRS & SEVERAL INDIVIDUALS DETECTED IN 2008. 3 PAIRS IN 2014. 1 CALLING IN 2017. 2 TERRITORIES IN 2018.

PLSS:	T06S, R09W, Sec. 15 (S)	**Accuracy:**	non-specific area	**Area (acres):**	257
UTM:	Zone-11 N3724370 E424732	**Latitude/Longitude:**	33.65654 / -117.81178	**Elevation (feet):**	120

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

AND15U0002	ANDERSEN, C. & S. TENNANT (BONTERRA CONSULTING) - RESULTS OF FOCUSED BREEDING SEASON PRESENCE/ABSENCE SURVEYS FOR LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER FOR CONCORDIA UNIVERSITY UPDATE TO THE MASTER BUILDOUT PLAN 2015-09-17
ANO08U0001	ANON, S. & L. ROBB (PCR SERVICES CORPORATION) - RESULTS OF FOCUSED LEAST BELL'S VIREO SURVEYS FOR WILLIAM R. MASON REGIONAL PARK, PW #2928, CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA 2008-07-25
BAR06U0001	BARONI, I. (LSA ASSOCIATES, INC.) - SOUTHWESTERN WILLOW FLYCATCHER AND LEAST BELL'S VIREO SURVEYS, APRIL 30 TO JUL 25, 2006, UNIVERSITY/RIDGELINE STORM DRAIN IMPROVEMENT PROJECT, CITY OF IRVINE, ORANGE COUNTY, CA 2006-09-29
EAA91R0001	ED ALMANZA & ASSOCIATES - A PRELIMINARY ASSESSMENT OF GNATCATCHER HABITAT SUITABILITY IN THE COUNTY OF ORANGE PARKS SYSTEM. 1991-07-XX
FAI18F0003	FAIRCHILD, K. & A. SULLIVAN (ENVIRONMENTAL SCIENCE ASSOCIATES) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2018-07-31
GAL96F0001	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 1996-07-27
GRI00F0003	GRIFFITH, J. (GRIFFITH WILDLIFE BIOLOGY) - FIELD SURVEY FORM FOR EMPIDONAX TRAILLII EXTIMUS & POLIOPTILA CALIFORNICA CALIFORNICA & VIREO BELLII PUSILLUS 2000-07-31
GRI00R0003	GRIFFITH, J. & J. GRIFFITH (GRIFFITH WILDLIFE BIOLOGY) - THE STATUS OF THE LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER AT STRAWBERRY FARMS GOLF COURSE IN 2000 2000-08-01
GRI01R0004	GRIFFITH WILDLIFE BIOLOGY - THE STATUS OF THE LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER AT STRAWBERRY FARMS GOLF COURSE. 2001-10-08
GRI97U0002	GRIFFITH, J. (GRIFFITH WILDLIFE BIOLOGY) - LETTER OF 1997 BROWN-HEADED COWBIRD AND LEAST BELL'S VIREO SURVEY AND MONITORING SUMMARIES 1997-08-04
GRI99F0004	GRIFFITH, J. (GRIFFITH WILDLIFE BIOLOGY) - FIELD SURVEY FORM FOR EMPIDONAX TRAILLII EXTIMUS & POLIOPTILA CALIFORNICA CALIFORNICA & VIREO BELLII PUSILLUS 1999-07-31
TEN17R0001	TENNANT, S. (PSOMAS ENGINEERING) - RESULTS OF FOCUSED BREEDING SEASON PRESENCE/ABSENCE SURVEYS FOR COASTAL CALIFORNIA GNATCATCHER FOR THE CONCORDIA UNIVERSITY CUP MODIFICATION/ZONE CHANGE AND CAMPUS MASTER BUILD-OUT 2017-06-15

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 26369
EO Index: 4096
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBW01114
Occurrence Number: 184
Occurrence Last Updated: 2009-04-21

Scientific Name: *Vireo bellii pusillus*
Common Name: least Bell's vireo

Listing Status: **Federal:** Endangered
State: Endangered
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G5T2
State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed: 1994-10-14
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1994-10-14
Occurrence Rank: Good
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

SAN JUAN CREEK VICINITY, ALONG HWY 74, 2 MILES ENE OF I-5, SAN JUAN CAPISTRANO.

Detailed Location:

Ecological:

HABITAT ALONG LOWER SAN JUAN CREEK CONSISTS OF FRESHWATER MARSH & RIPARIAN WOODLAND. DOMINANTS: TYPHA LATIFOLIA, SCIRPUS AMERICANUS, CYPERUS ESCULENTUS, RORIPPA-NASTURTIUM AQUATICUM, POPULUS FREMONTII, SALIX SPP, & ALNUS RHOMBIFOLIA.

Threats:

22 MALE AND 30 FEMALE BROWN-HEADED COWBIRDS WERE SEEN.

General:

SITE WAS SURVEYED FOR 3 HOURS MINIMUM ON 11 DIFFERENT DAYS IN OCTOBER 1994; 1 MIGRATORY MALE OBSERVED ON 3, 11, 12, 13, AND 14 OCTOBER 1994.

PLSS: T07S, R07W, Sec. 32, SE (S)
Accuracy: non-specific area
Area (acres): 7
UTM: Zone-11 N3708980 E441865
Latitude/Longitude: 33.51881 / -117.62600
Elevation (feet): 275

County Summary:

Orange

Quad Summary:

Canada Gobernadora (3311755), San Juan Capistrano (3311756)

Sources:

NEW94F0005 NEWKIRK, T. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 1994-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	33830	**EO Index:**	30220
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBW01114
Occurrence Number:	189	**Occurrence Last Updated:**	2018-10-04

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status:	**Federal:**	Endangered	**Rare Plant Rank:**	
	State:	Endangered	**Other Lists:**	
CNDDB Element Ranks:	**Global:**	G5T2		
	State:	S3		

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2016-09-15	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2016-09-15	**Occurrence Rank:**	Good
Owner/Manager:	PVT-IRVINE CO	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAN DIEGO CREEK, MIDWAY BETWEEN I-5 AND LAGUNA CANYON ROAD, SOUTH OF EL TORO MARINE CORPS AIR STATION.

Detailed Location:

SEVERAL SINGLE TERRITORIAL MALES WERE ALSO DETECTED EACH YEAR IN ADDITION TO BREEDING PAIRS. SEVERAL OF THE 2005, 2007, 2010, 2012, & 2013 FLEDGED YOUNG; EXACT NUMBERS UNKNOWN. SITE NAME WAS PLANNING AREA 18 & 39.

Ecological:

WILLOW DOMINATED RIPARIAN WOODLAND, WITH GOOD UNDERSTORY OF MULEFAT. DOMINANT PLANTS INCLUDE ARROYO WILLOW, BLACK WILLOW & MULEFAT. CANOPY HEIGHT = 8 M. YELLOW-BREASTED CHATS ALSO BREED AT SITE. SURROUNDING AREA: FARMING & DEVELOPMENT.

Threats:

THREATS INCLUDE NEST PARASITISM BY BROWN-HEADED COWBIRDS, AND RESIDENTIAL DEVELOPMENT.

General:

1996: 3 PAIRS/1 JUVENILE. 2001: 4 PAIRS. 2003: 3 PAIRS. 2004: 9 PAIRS/10 JUVS. 2005: 17 PAIRS. 2006: 2 PAIRS/4 JUVS. 2007: 13 PRS. 2008: 5 TERRITORIES. 2010: 21 PRS. 2012: 14 PRS. 2013: 13 PRS. 2015: 4 PRS/2 JUVS. 2016: 2 PRS.

PLSS:	T06S, R08W, Sec. 19 (S)	**Accuracy:**	non-specific area	**Area (acres):**	264
UTM:	Zone-11 N3722061 E430642	**Latitude/Longitude:**	33.63611 / -117.74787	**Elevation (feet):**	227

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), El Toro (3311766), Tustin (3311767)

Sources:

AGU15F0007	AGUAYO, J. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2015-07-20
AMA16D0001	AMALONG, M. (ENVIRONMENTAL INTELLIGENCE) - TWO SHAPEFILES (NESTS, DETECTIONS) FOR SURVEY RESULTS FOR THE SAFARI SUBSTATION PROJECT, ORANGE COUNTY, 2016. 2016-XX-XX
GAL03F0017	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2003-07-25
GAL04F0041	GALVIN, P. (HARMSWORTH ASSOCIATES) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2004-07-25
GAL05F0068	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2005-07-28
GAL10F0004	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2010-06-03
GAL96F0002	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 1996-04-10
HAM06R0001	HAMILTON, R. (HAMILTON BIOLOGICAL, INC.) - REPORT ON 2006 BELL'S VIREO AND WILLOW FLYCATCHER SURVEYS, LAKE FOREST DRIVE EXTENSION PROJECT, SAN JUAN CAPISTRANO, CA 2006-07-17
HAR01R0003	HARMSWORTH ASSOCIATES - REPORT ON LEAST BELL'S VIREO SURVEYS AT SAN DIEGO CREEK. 2001-11-XX
HAR04R0002	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39 2004-01-XX
HAR05R0011	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2004 2005-01-XX
HAR06R0001	HARMSWORTH ASSOCIATES - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2005 2006-01-XX
HAR07R0002	HARMSWORTH ASSOCIATES - REPORT ON 2007 BIRD SURVEYS IN PLANNING AREAS 18 AND 39 2007-11-XX
HAR10R0003	HARMSWORTH ASSOCIATES (HARMSWORTH ASSOCIATES) - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39 2010. 2010-11-XX
HAR12R0003	HARMSWORTH ASSOCIATES (HARMSWORTH ASSOCIATES) - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39 2012. 2012-09-XX
HAR13R0002	HARMSWORTH ASSOCIATES (HARMSWORTH ASSOCIATES) - REPORT ON BIRD SURVEYS IN PLANNING AREAS 18 AND 39, 2013. 2013-12-XX
HER15U0014	HEREDIA, A. & J. AGUAYO (BONTERRA CONSULTING) - RESULTS OF THE LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER SURVEYS FOR THE INTERSTATE 405 IMPROVEMENT PROJECT FROM INTERSTATE 5 TO STATE ROUTE 55. 2015-08-28
HOF08F0001	HOFFMAN, S. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2008-04-16
LEA05F0011	LEATHERMAN, B. (WHITE AND LEATHERMAN BIOSERVICES) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2005-04-18

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53529
EO Index: 53529
Key Quad: Tustin (3311767)
Element Code: ABPBW01114
Occurrence Number: 228
Occurrence Last Updated: 2018-09-24

Scientific Name: *Vireo bellii pusillus*
Common Name: least Bell's vireo

Listing Status: **Federal:** Endangered
State: Endangered
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G5T2
State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed: 2015-07-07
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2015-07-07
Occurrence Rank: Good
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

BONITA CREEK FROM BONITA RESERVOIR TO BISON AVE (NW), ADJACENT TO HIGHWAY 73 AND BONITA CANYON DR, NEWPORT BEACH.

Detailed Location:

ACTIVE COWBIRD TRAPPING ALONG BONITA CREEK INITIATED IN 1994. 1 FEMALE BELONGING TO A 2002 PAIR WAS BANDED ON THE SANTA CLARA RIVER IN 2001. MAPPED TO NEST SITES ALONG "BONITA CHANNEL" AND "BONITA RESERVOIR."

Ecological:

RIPARIAN HABITAT DOMINATED BY WILLOW WITH MULEFAT UNDERSTORY. SURROUNDING LAND USE INCLUDES RESIDENTIAL AND COMMERCIAL DEVELOPMENTS. 1 PAIR OF ACCIPTIER COOPERII MAY BE NESTING IN VICINITY OF BONITA CANYON RESERVOIR IN 1991.

Threats:

General:

1 SINGING MALE DETECTED 16 MAY 1990. 1 NESTING PAIR DETECTED, 1991. 5 ADULTS & 3+ JUVENILES MAY-JUL 1994. 1+ PAIRS DET, 2001. 3 PAIRS & 1 MALE DET 2002; 2 PAIRS FLEDGED 7 CHICKS. 3 PAIRS, 4 ADULTS & 2 JUVENILES DET, 2015.

PLSS: T06S, R09W, Sec. 20 (S)
Accuracy: non-specific area
Area (acres): 85
UTM: Zone-11 N3721686 E421225
Latitude/Longitude: 33.63208 / -117.84937
Elevation (feet): 99

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

DEL15F0017	DELUNA, A. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2015-XX-XX
ERI97F0004	ERICKSON, R. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR POLIOPTILA CALIFORNICA CALIFORNICA 1997-11-XX
ERI97F0006	ERICKSON, R. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 1997-07-XX
GRI94F0005	GRIFFITH, J. (GRIFFITH WILDLIFE BIOLOGY) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 1994-07-01
HAR02R0001	HARMSWORTH ASSOCIATES - LEAST BELL'S VIREO MONITORING REPORT FOR BONITA CREEK 2002 2002-09-XX
HEN15U0003	HENRY, R. ET AL. (DUDEK AND ASSOCIATES) - RESULTS 2015 LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER FOCUSED SURVEYS FOR THE METROPOLITAN WATER DISTRICT ORANGE COUNTY OPERATING REGION'S DISTRIBUTION SYSTEM PROJECT. 2015-09-04
LEA15U0001	LEATHERMAN BIOCONSULTING, INC. - RESULTS OF FOCUSED SURVEYS LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER FOR THE PROPOSED TRAIL ADJACENT TO BONITA CHANNEL. 2015-08-10
LSA92R0001	LSA ASSOCIATES, INC. - BIOLOGICAL ASSESSMENT OF MACARTHUR BOULEVARD WIDENING AND BISON AVENUE EXTENSION. 1992-03-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	53911	**EO Index:**	53911
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBW01114
Occurrence Number:	229	**Occurrence Last Updated:**	2018-10-05

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2011-07-21	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2011-07-29	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY-ALISO/WOOD CYN RP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALONG ALISO CREEK, APPROX 1.8 MI W (& SLIGHTLY NORTH) OF THE INTERSECTION OF I-5 & NIGUEL ROAD, W OF LAGUNA NIGUEL.

Detailed Location:

Ecological:

Threats:

General:

1 PAIR OBSERVED DURING 5 OF 8 SURVEYS CONDUCTED BETWEEN 2 MAY-19 JUL 2001. ONE PAIR WAS OBSERVED ON 21 MAY DURING SURVEYS OF ALISO CREEK FROM 20 MAY-29 JUL 2011; FATE OF THE PAIR WAS UNKNOWN.

PLSS:	T07S, R08W, Sec. 29, SW (S)	**Accuracy:**	1/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3710342 E431046	**Latitude/Longitude:**	33.53045 / -117.74260	**Elevation (feet):**	80

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

DUD01U0010	DUDEK & ASSOCIATES, INC. - LEAST BELL'S VIREO & SOUTHWESTERN WILLOW FLYCATCHER SURVEY FOR THE ALISO CREEK EMERGENCY SEWER AND PARKS IMPROVEMENT PROJECT, ORANGE COUNTY, CALIFORNIA 2001-09-10
WOT11U0002	WOTIPKA, T. (DUDEK AND ASSOCIATES) - FOCUSED LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER SURVEYS FOR THE COASTAL TREATMENT PLANT EXPORT SLUDGE FORCE MAIN PROJECT, SOUTH ORANGE COUNTY WASTEWATER AUTHORITY. 2011-12-30

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	53912	**EO Index:**	53912
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBW01114
Occurrence Number:	230	**Occurrence Last Updated:**	2018-10-02

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status:	**Federal:**	Endangered	**Rare Plant Rank:**	
	State:	Endangered	**Other Lists:**	
CNDDB Element Ranks:	**Global:**	G5T2		
	State:	S3		

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2011-07-29	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2011-07-29	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY-ALISO/WOOD CYN RP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALONG ALISO CREEK, APPROX 1.5 MI NW OF THE INTERSECTION OF I-5 AND NIGUEL ROAD, NW OF LAGUNA NIGUEL.

Detailed Location:

MAPPED TO PROVIDED MAPS. AN ESTIMATED 3 TO 4 TERRITORIES APPEAR TO BE PRESENT YEARLY FOR ABOUT SEVEN TO EIGHT YEARS SINCE 2009.

Ecological:

HABITAT IN AREA CONSISTS OF SOUTHERN WILLOW SCRUB.

Threats:

General:

1 PAIR OBS THROUGHOUT SURVEY DURING 2 MAY-19 JUL 2001: PAIR OBS MOVING SOUTH THROUGH THE SURVEY. A SECOND PAIR LOCATED JUST S OF THIS PAIR ASSUMED TO HAVE ABANDONED TERRITORY. 5 PAIRS OBSERVED DURING SURVEYS FROM 20 MAY-29 JUL 2011.

PLSS:	T07S, R08W, Sec. 21 (S)	**Accuracy:**	non-specific area	**Area (acres):**	149
UTM:	Zone-11 N3711816 E432554	**Latitude/Longitude:**	33.54384 / -117.72648	**Elevation (feet):**	101

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

DUD01U0010	DUDEK & ASSOCIATES, INC. - LEAST BELL'S VIREO & SOUTHWESTERN WILLOW FLYCATCHER SURVEY FOR THE ALISO CREEK EMERGENCY SEWER AND PARKS IMPROVEMENT PROJECT, ORANGE COUNTY, CALIFORNIA 2001-09-10
USA17R0001	U.S. ARMY CORPS OF ENGINEERS - ALISO CREEK MAINSTEM ECOSYSTEM RESTORATION STUDY, ORANGE COUNTY, CALIFORNIA. DRAFT INTEGRATED FEASIBILITY REPORT. USACE, LOS ANGELES DIST. 516PP. 2017-09-XX
WOT11U0002	WOTIPKA, T. (DUDEK AND ASSOCIATES) - FOCUSED LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER SURVEYS FOR THE COASTAL TREATMENT PLANT EXPORT SLUDGE FORCE MAIN PROJECT, SOUTH ORANGE COUNTY WASTEWATER AUTHORITY. 2011-12-30

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 54493
EO Index: 54493
Key Quad: Laguna Beach (3311757)
Element Code: ABPBW01114
Occurrence Number: 251
Occurrence Last Updated: 2004-02-25

Scientific Name: *Vireo bellii pusillus*
Common Name: least Bell's vireo

Listing Status: **Federal:** Endangered
State: Endangered
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G5T2
State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed: 2001-06-12
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-06-12
Occurrence Rank: Fair
Owner/Manager: DPR-CRYSTAL COVE SP
Trend: Unknown
Presence: Presumed Extant

Location:

MUDDY CANYON, JUST INLAND OF THE PACIFIC COAST HIGHWAY, 1 MILE SE OF CRYSTAL COVE.

Detailed Location:

Ecological:

HABITAT CONSISTS OF SOUTHERN WILLOW SCRUB COMPRISED OF WILLOW SPP. VIREOS FREQUENTLY SEEN USING SAMBUCUS MEXICANA AND HAVE SUCCESSFULLY NESTED IN MALACOTHAMNUS FASCICULATUS. HOUSING DEVELOPMENT OCCURRING ADJACENT TO THE STATE PARK.

Threats:

General:

A MALE WAS OBSERVED ON 2 MAY 2001. A NEST WITH 4 EGGS WAS LOCATED ON 17 MAY 2001. THREE (POSSIBLY 4) FLEDGLINGS DETECTED ON 12 JUN 2001. EXOTIC PLANTS IN AREA INCLUDE HEDERA HELIX, RICINUS COMMUNIS, TROPAEOLUM MAJUS & CYNARA CARDUNCULUS.

PLSS: T07S, R09W, Sec. 16 (S)
Accuracy: 2/5 mile
Area (acres): 0
UTM: Zone-11 N3714530 E423488
Latitude/Longitude: 33.56771 / -117.82434
Elevation (feet): 100

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

ROJ01F0001 ROJA, D. (CALIFORNIA DEPARTMENT OF PARKS AND RECREATION) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2001-06-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	54498	**EO Index:**	54498
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBW01114
Occurrence Number:	252	**Occurrence Last Updated:**	2018-08-31

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2009-06-15	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2009-06-15	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ARROYO TRABUCO; FROM CROWN VALLEY PARKWAY EXTENDING NORTH 0.6 MILE AND SOUTH 1.7 MILES ALONG ARROYO TRABUCO.

Detailed Location:

MAPPED TO PROVIDED MAP LOCATIONS. SITE WAS PURPOSED WITH SAND AND GRAVEL EXTRACTION FROM EARLY 20TH CENTURY UNTIL MID-1990S. MAJORITY OF DETECTIONS MADE IN THE NORTHERN PORTION OF FEATURE. DETECTIONS IN 2000 SPAN LENGTH OF FEATURE.

Ecological:

HABITAT WAS BROAD OPEN FLOODPLAIN WITH SAND/GRAVEL SUBSTRATE DOMINATED BY WILLOW RIPARIAN WOODLAND. NON-NATIVE GRASSLAND AND COASTAL SAGE SCRUB DOMINATE ADJACENT HILLSIDES. BROWN-HEADED COWBIRDS HAVE BEEN OBSERVED AT THIS LOCATION.

Threats:

POSSIBLE THREATS INCLUDE CONSTRUCTION OF GOLF COURSE AND RECREATIONAL ACTIVITIES INCLUDING OHV USE AND PAINT BALL WARS.

General:

11 PAIRS & SINGLE MALE DETECTED IN 2000. 4 PAIRS/TERRITORIES, 2-3 YOUNG, & 1+ LONE MALE APR-JUL 2002; 2 PAIRS CONFIRMED NESTING. 4 PAIRS & AT LEAST 2 FLEDGLINGS MAY-JUL 2005. 1 MALE & POSSIBLE FEMALE DETECTED IN JUN 2009.

PLSS:	T07S, R07W, Sec. 19 (S)	**Accuracy:**	non-specific area	**Area (acres):**	259
UTM:	Zone-11 N3713095 E439217	**Latitude/Longitude:**	33.55577 / -117.65479	**Elevation (feet):**	280

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

BON02U0009	JOHNSTON, A. & B. DANIELS (BONTERRA CONSULTING) - RESULTS OF SOUTHWESTERN WILLOW FLYCATCHER AND LEAST BELL'S VIREO SURVEY AT THE CROWN VALLEY PARKWAY BRIDGE PROJECT SITE, UNINCORPORATED ORANGE COUNTY, CALIFORNIA. 2002-08-19
DAN05F0002	DANIELS, B. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2005-08-04
DUD01U0013	DUDEK & ASSOCIATES, INC. - REPORT FOR THE ARROYO TRABUCO GOLF COURSE PROJECT LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER PRESENCE/ABSENCE SURVEY, ORANGE COUNTY. 2001-01-03
LEA05F0013	LEATHERMAN, B. (WHITE AND LEATHERMAN BIOSERVICES) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2005-06-02
POS09F0002	POSTON, R. (DESIGN + PLANNING AT AECOM) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2009-06-15
TIS05R0001	TISCHER, C. (ECORP CONSULTING, INC.) - COASTAL CALIFORNIA GNATCATCHER AND LEAST BELL'S VIREO TECHNICAL REPORT OF FINDINGS MISSION VIEJO BONEYARD, ORANGE COUNTY, CALIFORNIA 2005-08-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	54502	**EO Index:**	54502
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBW01114
Occurrence Number:	253	**Occurrence Last Updated:**	2018-10-04

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2013-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2013-XX-XX	**Occurrence Rank:**	Good
Owner/Manager:	PVT-IRVINE CO	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

AGUA CHINON WASH, 0.9 MILES SE OF LAMBERT RESERVOIR (DRAINED), N OF EL TORO.

Detailed Location:

UNCLEAR IF THE SAME PAIR WERE DETECTED EACH YEAR. 2004 DETECTION INCLUDED 4 PAIRS/9 CHICKS, 2005 INCLUDED 4 PAIRS/13 CHICKS, AND 2010 INCLUDED 7 PAIRS/18 CHICKS, ALL DETECTED IN SURROUNDING AREAS AND ARE SHARED WITH OCCURRENCES #253 & 254.

Ecological:

HABITAT WAS WILLOW WOODLAND DOMINATED BY BLACK WILLOW AND MULEFAT. SURFACE WATER/SATURATED SOIL IS PRESENT AT SITE. SURROUNDING LAND CONSISTED OF ORCHARD, NURSERY AND WILDLANDS. FIRE BURNED LARGE PORTION OF AREA IN 2007.

Threats:

DEVELOPMENT.

General:

1 PAIR & 1 YOUNG IN 2003; 4 EGGS DEPREDATED EARLIER IN SEASON. 1 PAIR & AT LEAST 3 YOUNG DETECTED FROM 2004-2008. 1 PAIR W/ 4 YOUNG & 1 TERRITORIAL MALE IN 2010. 1 PAIR W/ 4 YOUNG IN 2012. 2 PAIRS W/ 10 YOUNG IN 2013.

PLSS:	T05S, R08W, Sec. 35, SW (S)	**Accuracy:**	non-specific area	**Area (acres):**	31
UTM:	Zone-11 N3727938 E435697	**Latitude/Longitude:**	33.68944 / -117.69378	**Elevation (feet):**	620

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

DAV08F0006	DAVENPORT, A. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2008-05-13
DAV08R0001	DAVENPORT, A. (DAVENPORT BIOLOGICAL SERVICES) - LEAST BELL'S VIREO PRESENCE/ABSENCE SURVEY AGUA CHINON RETARDING BASIN ORANGE COUNTY, CA 2008-08-03
GAL03F0015	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2003-07-31
GAL03R0001	GALVIN, P. & B. KARPMAN (HARMSWORTH ASSOCIATES) - REPORT ON BIOLOGICAL SURVEYS IN PLANNING AREA 6, CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA 2003-06-17
GAL04F0035	GALVIN, P. (HARMSWORTH ASSOCIATES) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2004-07-31
GAL05F0067	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2005-07-23
GAL10F0008	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2010-05-26
HAR07R0004	HARMSWORTH ASSOCIATES - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 6 2007-11-XX
HAR08R0002	HARMSWORTH ASSOCIATES - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 6 2008-11-XX
HAR10R0002	HARMSWORTH ASSOCIATES (HARMSWORTH ASSOCIATES) - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 6 2010. 2010-11-XX
HAR12R0004	HARMSWORTH ASSOCIATES (HARMSWORTH ASSOCIATES) - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 6 2012. 2012-09-XX
HAR13R0001	HARMSWORTH ASSOCIATES (HARMSWORTH ASSOCIATES) - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 6, 2013. 2013-12-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	54503	**EO Index:**	54503
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBW01114
Occurrence Number:	254	**Occurrence Last Updated:**	2018-09-19

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2017-05-22	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2017-05-22	**Occurrence Rank:**	Excellent
Owner/Manager:	PVT-IRVINE CO	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

N AND E EDGE OF LAMBERT RESERVOIR (DRAINED) AND NEAR TOMATO SPRING, ABOUT 1.5 MI E OF HWY 133 AT IRVINE BLVD, EL TORO.

Detailed Location:

NESTING PAIRS FROM 2004-06 PRESUMED TO HAVE FLEDGED YOUNG ALTHOUGH EXACT NUMBERS UNKNOWN. UNCLEAR IF SAME PAIR WAS DETECTED EACH YEAR. 7 PAIRS/18 CHICKS DETECTED IN 2010 IN SURROUNDING AREAS INCLUDING OCCURRENCES #253 & 255.

Ecological:

RIPARIAN HABITAT ALONG NARROW DRAINAGE DOMINATED BY WILLOW AND MULEFAT WITH CASTOR BEAN, TREE TABACCO, AND TAMARISK IN UPLAND AREAS. SANTIAGO FIRE BURNED LARGE PORTION OF AREA IN 2007. YELLOW-BREASTED CHATS NESTED IN THE AREA.

Threats:

2003 PAIR MADE SEVERAL NESTING ATTEMPTS, ONE OF WHICH FAILED DUE TO COWBIRD PARASITISM. AREA PROPOSED FOR DEVELOPMENT.

General:

1 UNSUCCESSFUL PAIR IN 2001. 1-2 PAIRS OBSERVED WITH 1-8 YOUNG YEARLY FROM 2003-2008. 6 PAIRS & 2 TERRITORIAL MALES IN 2010. 9 PAIRS AND 19 FLEDGLINGS IN 2012. 9 PAIRS AND 30+ FLEDGLINGS IN 2013. 1 TERRITORIAL MALE OBS MAR-MAY 2017.

PLSS:	T05S, R08W, Sec. 34, NW (S)	**Accuracy:**	non-specific area	**Area (acres):**	161
UTM:	Zone-11 N3728501 E434371	**Latitude/Longitude:**	33.69444 / -117.70814	**Elevation (feet):**	507

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

DEE17F0001	DEE, T. ET AL. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2017-05-22
GAL03F0015	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2003-07-31
GAL03R0001	GALVIN, P. & B. KARPMAN (HARMSWORTH ASSOCIATES) - REPORT ON BIOLOGICAL SURVEYS IN PLANNING AREA 6, CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA 2003-06-17
GAL04F0035	GALVIN, P. (HARMSWORTH ASSOCIATES) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2004-07-31
GAL05F0067	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2005-07-23
GAL10F0008	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2010-05-26
HAR01R0004	HARMSWORTH ASSOCIATES - REPORT ON BIOLOGICAL SURVEYS FOR THE IRVINE NORTHERN SPHERE 2001-10-XX
HAR07R0004	HARMSWORTH ASSOCIATES - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 6 2007-11-XX
HAR08R0002	HARMSWORTH ASSOCIATES - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 6 2008-11-XX
HAR10R0002	HARMSWORTH ASSOCIATES (HARMSWORTH ASSOCIATES) - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 6 2010. 2010-11-XX
HAR12R0004	HARMSWORTH ASSOCIATES (HARMSWORTH ASSOCIATES) - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 6 2012. 2012-09-XX
HAR13R0001	HARMSWORTH ASSOCIATES (HARMSWORTH ASSOCIATES) - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 6, 2013. 2013-12-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 54506
EO Index: 54506
Key Quad: El Toro (3311766)
Element Code: ABPBW01114
Occurrence Number: 256
Occurrence Last Updated: 2018-09-14

Scientific Name: *Vireo bellii pusillus*
Common Name: least Bell's vireo

Listing Status: **Federal:** Endangered
State: Endangered
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G5T2
State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed: 2015-07-31
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2015-07-31
Occurrence Rank: Good
Owner/Manager: IRVINE RANCH WATER DISTRICT
Trend: Unknown
Presence: Presumed Extant

Location:

JUST N TO NE OF RATTLESNAKE RESERVOIR, ABOUT 5 MILES EAST OF TUSTIN.

Detailed Location:

SITE REFERRED TO AS THE IRVINE COMPANY PLANNING AREA 1 (PA1). AREA TO THE N OF RESERVOIR SERVES AS A VIREO MITIGATION SITE. 5 VIREO TERRITORIES WERE MONITORED FROM 2007-2008. LONE MALES DETECTED IN 2007-2008. ACTIVE COWBIRD TRAPPING ONSITE.

Ecological:

HABITAT TO THE NORTH OF RATTLESNAKE RESERVOIR CONSISTS OF SOUTHERN WILLOW SCRUB. SANTIAGO FIRE BURNED LARGE PORTION OF PA1 AND SURROUNDING AREAS IN OCT 2007. NESTING YELLOW-BREASTED CHATS ALSO OBSERVED IN THE AREA.

Threats:

General:

2 PAIRS & 1 MALE IN 2001. 2 PAIRS & 3 FLEDGLINGS, IN 2004. 2 PAIRS & 1 MALE DETECTED IN 2006. 4 PAIRS PRODUCED 8 YOUNG IN 2007. 2 PAIRS PRODUCED 7 YOUNG IN 2008. 15 BREEDING PAIRS & 1 MALE IN 2014. 2 PAIRS WITH FLEDGLINGS, & 1 MALE IN 2015.

PLSS: T05S, R08W, Sec. 17, SE (S)
Accuracy: specific area
Area (acres): 53
UTM: Zone-11 N3732638 E431730
Latitude/Longitude: 33.73157 / -117.73695
Elevation (feet): 413

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

DUD01U0014	DUDEK & ASSOCIATES, INC. - 45-DAY REPORT FOR THE IRVINE COMPANY SOUTHWESTERN WILLOW FLYCATCHER AND LEAST BELL'S VIREO FOCUSED SURVEYS, ORANGE COUNTY, CALIFORNIA 2001-11-20
GAL06F0029	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2006-05-01
GAL14F0010	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2014-06-07
HAR07R0003	HARMSWORTH ASSOCIATES - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 1 FOR 2007 2007-11-XX
HAR08R0003	HARMSWORTH ASSOCIATES - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 1 FOR 2008 2008-11-XX
HAY04R0002	HAYWORTH, A. & J. PRIEST (DUDEK AND ASSOCIATES) - 45-DAY REPORT FOR THE IRVINE COMPANY SOUTHWESTERN WILLOW FLYCATCHER AND LEAST BELL'S VIREO FOCUSED SURVEYS, ORANGE COUNTY, CALIFORNIA 2004-09-30
HEN15U0003	HENRY, R. ET AL. (DUDEK AND ASSOCIATES) - RESULTS 2015 LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER FOCUSED SURVEYS FOR THE METROPOLITAN WATER DISTRICT ORANGE COUNTY OPERATING REGION'S DISTRIBUTION SYSTEM PROJECT. 2015-09-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	33833	**EO Index:**	54507
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBW01114
Occurrence Number:	257	**Occurrence Last Updated:**	2018-10-04

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2015-07-15	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2015-07-15	**Occurrence Rank:**	Good
Owner/Manager:	UC-IRVINE, ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAN DIEGO CREEK CHANNEL BETWEEN HIGHWAY 73 AND I-405, IRVINE.

Detailed Location:

PRIMARY DETECTION SITES INCLUDE UC NATURAL RESERVE SYSTEM'S SAN JOAQUIN FRESHWATER RESERVE (DUCK PONDS), SAN DIEGO CREEK FLOOD CONTROL CHANNEL, AND IRVINE RANCH WATER DISTICT WASTEWATER TREATMENT PLANT.

Ecological:

HABITAT CONSISTED OF COASTAL SAGE SCRUB, WILLOW SCRUB, MULE FAT, FRESHWATER MARSH, SALTWATER MARSH, ORNAMENTALS, RUDERAL, OPEN WATER & RIP RAP. VEGETATION BETWEEN I-405 & CAMPUS DR WAS CLEARED IN 2007, LEAVING A 40 FT WILLOW BUFFER ZONE.

Threats:

POSSIBLE THREATS INCLUDE EXOTIC WEEDS, FLOODING, COWBIRD NEST PARASITISM, AND NEST PREDATION.

General:

2003: 1+ TERRITORIAL MALE. 04: 5 TERR MALES W/ 9 ADULTS & 1 JUVENILE. 05-06: 2-4 ADULTS. 07: 4 NESTING PAIRS (2 SUCCESSFUL) & 4 MALES. 10: 3 NESTS & 6 TERR MALES. 11: 3 EGGS COLLECTED. 12: 3 BIRDS. 13: 13 ADULTS/5 JUVS. 15: 5 PAIRS/2 JUVS.

PLSS:	T06S, R09W, Sec. 08 (S)	**Accuracy:**	specific area	**Area (acres):**	230
UTM:	Zone-11 N3724798 E422083	**Latitude/Longitude:**	33.66021 / -117.84038	**Elevation (feet):**	10

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

AGU13F0002	AGUAYO, J. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2013-07-01
AGU15F0007	AGUAYO, J. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2015-07-20
AGU15F0013	AGUAYO, J. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2015-07-15
AHR12U0002	AHRENS, J. (GLENN LUKOS ASSOCIATES) - SUBMITTAL OF REPORT FOR THE SOUTHWESTERN WILLOW FLYCATCHER AND LEAST BELL'S VIREO AT THE UPPER NEWPORT BAY BLOW OFF STRUCTURE REHABILITATION PROJECT. 2012-08-21
AHR13U0002	AHRENS, J. (GLENN LUKOS ASSOCIATES) - SUBMITTAL OF REPORT FOR THE SOUTHWESTERN WILLOW FLYCATCHER AND LEAST BELL'S VIREO AT THE ORANGE COUNTY FEEDER BLOW-OFF STRUCTURE REHABILITATION PROJECT, NEWPORT BEACH. 2013-08-26
BLO04F0001	BLOOM, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2004-06-20
BLO04R0001	BLOOM, P. - 45-DAY REPORT ON SURVEYS FOR THE LEAST BELL'S VIREO IN SAN DIEGO CREEK, IRVINE, CALIFORNIA 2004-07-24
CHA03F0002	CHAMBERS GROUP, INC. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2003-07-15
ERI10R0003	ERICKSON, R. (LSA ASSOCIATES, INC.) - SOUTHWESTERN WILLOW FLYCATCHER AND LEAST BELL'S VIREO SURVEY RESULTS: SAN JOAQUIN MARSH AND SAN DIEGO CREEK, IRVINE, MARCH-JULY 2010 2010-10-15
ERI11S0001	ERICKSON, R. (WESTERN FOUNDATION OF VERTEBRATE ZOOLOGY) - WFVZ EGG-NEST COLLECTION #183980 2011-05-09
ERI11S0002	ERICKSON, R. (WESTERN FOUNDATION OF VERTEBRATE ZOOLOGY) - WFVZ EGG-NEST COLLECTION #183981 2011-05-09
ERI11S0006	ERICKSON, R. (WESTERN FOUNDATION OF VERTEBRATE ZOOLOGY) - WFVZ EGG-NEST COLLECTION #183990 2011-06-20
GAL03F0018	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2003-07-05
GAL05F0069	GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2005-06-01
HAR07R0001	HARMSWORTH ASSOCIATES - 2006 REPORT ON AVIAN SURVEYS AT THE UC NATURAL RESERVE SYSTEMS'S SAN JOAQUIN FRESHWATER MARSH RESERVE 2007-01-XX
HAR08R0001	HARMSWORTH ASSOCIATES - 2007 REPORT ON AVIAN SURVEYS AT THE UC NATURAL RESERVE SYSTEM'S SAN JOAQUIN FRESHWATER MARSH RESERVE 2008-01-XX
HER13U0002	HEREDIA, A. & J. AGUAYO (BONTERRA CONSULTING) - RESULTS OF THE LEAST BELL'S VIREO SURVEY FOR THE SAN DIEGO CREEK REACH II OPERATIONS AND MAINTENANCE PROJECT. 2013-08-19
HER15U0014	HEREDIA, A. & J. AGUAYO (BONTERRA CONSULTING) - RESULTS OF THE LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER SURVEYS FOR THE INTERSTATE 405 IMPROVEMENT PROJECT FROM INTERSTATE 5 TO STATE ROUTE 55. 2015-08-28
HER15U0015	HEREDIA, A. & J. AGUAYO (BONTERRA CONSULTING) - RESULTS OF THE LEAST BELL'S VIREO SURVEY FOR THE SAN DIEGO CREEK REACH II OPERATIONS AND MAINTENANCE PROJECT. 2015-09-04
LAN15F0002	LANCASTER, C. (ECORP CONSULTING, INC.) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS [SC-012543] 2015-08-05
ONE07F0011	O'NEAL, A. & J. PIKE (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2007-04-10
ONE07U0001	ONEAL, A. (BONTERRA CONSULTING) - RESULTS OF SOUTHWESTERN WLLOW FLYCATCHER AND LEAST BELL'S VIREO SURVEY FOR THE SAN DIEGO CREEK PROJECT SITE, CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA 2007-09-24
STE07F0010	STEWART, S. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2007-07-03
TAN12U0001	TANAKA, M. & E. COOLEY (PCR SERVICES CORPORATION) - RESULTS OF FOCUSED SURVEYS FOR LEAST BELL'S VIREO FOR SAN DIEGO CREEK REACH II OPERATIONS AND MAINTENANCE PROJECT. 2012-10-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	90128	**EO Index:**	91139
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBW01114
Occurrence Number:	371	**Occurrence Last Updated:**	2013-08-20

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status:	**Federal:**	Endangered	**Rare Plant Rank:**	
	State:	Endangered	**Other Lists:**	
CNDDB Element Ranks:	**Global:**	G5T2		
	State:	S3		

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2008-06-30	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2008-06-30	**Occurrence Rank:**	Unknown
Owner/Manager:	CITY OF IRVINE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

LOWER BOMMER CANYON, ABOUT 0.3 MILE SW OF SUNNYHILL ST AND SHADY CANYON DR INTERSECTION, SAN JOAQUIN HILLS.

Detailed Location:

DETECTIONS PRIMARILY NEAR TRAIL FOOTBRIDGE; APPEARS TO BE AT APPROXIMATELY -117.8058, 33.6291 BASED ON AERIAL PHOTOS (2003-2012) OF LOWER BOMMER CANYON.

Ecological:

HABITAT CONSISTED OF COASTAL SAGE SCRUB, RIPARIAN SCRUB, WOODLAND, AND ANNUAL GRASSLAND. NESTING CALIFORNIA GNATCATCHERS OBSERVED IN 2008. 1 EGG-NEST COLLECTION (WFVZ #178289) ON 30 JUN 2008.

Threats:

General:

VIREOS OBSERVED EVERY DAY DURING EIGHT PROTOCOL SURVEYS FROM 17 APR-30 JUN 2008; A NEST WITH 2 MID-SIZED NESTLINGS WAS OBSERVED ON 19 JUN, SAME NEST WAS EMPTY BY 30 JUN BUT ADULTS WERE OBSERVED TENDING TO 1 FLEDGLING NEARBY.

PLSS:	T06S, R09W, Sec. 22, S (S)	**Accuracy:**	non-specific area	**Area (acres):**	20
UTM:	Zone-11 N3721255 E425332	**Latitude/Longitude:**	33.62849 / -117.80504	**Elevation (feet):**	280

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

ERI08S0001	ERICKSON, R. (WESTERN FOUNDATION OF VERTEBRATE ZOOLOGY) - WFVZ EGG-NEST COLLECTION #178289 2008-06-30
ERI08U0001	ERICKSON, R. (LSA ASSOCIATES, INC.) - LEAST BELL'S VIREO AND COASTAL CALIFORNIA GNATCATCHER SURVEY RESULTS, BOMMER CANYON, ORANGE COUNTY, CALIFORNIA 2008-11-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	90135	**EO Index:**	91147
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBW01114
Occurrence Number:	372	**Occurrence Last Updated:**	2013-08-20

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2004-07-01	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2004-08-08	**Occurrence Rank:**	Poor
Owner/Manager:	CITY OF IRVINE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

NE CORNER OF I-405 AT JEFFREY RD, ABOUT 2.4 MILES NW OF LAGUNA DAM, IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES AND MAPS. SITE LOCATED ADJACENT TO EXIT #4 ON N SIDE OF I-405. DETECTION HIGHLY UNEXPECTED DUE TO LACK OF SUITABLE HABITAT.

Ecological:

VEGETATION CLASSIFIED AS 100% NON-NATIVE, FREEWAY TYPE LANDSCAPING INCLUDING EUCALYPTUS AND MYOPORUM SPECIES. NEST CONSTRUCTED IN MYOPORUM SP.

Threats:

URBAN DISTURBANCE AND PROPOSED BICYCLE ALIGNMENT.

General:

FAMILY GROUP FIRST DETECTED ON 1 JUL 2004; ADULT MALE INITIALLY OBSERVED ALONG WITH 2 FLEDGLINGS DETECTED AURALLY. ADULT OBSERVED MAKING SEVERAL FEEDING VISITS TO JUVENILES. FAMILY GROUP EXPECTED TO HAVE DISPERSED BY 28 JUL.

PLSS:	T06S, R09W, Sec. 11, SW (S)	**Accuracy:**	1/10 mile	**Area (acres):**	0
UTM:	Zone-11 N3725239 E426554	**Latitude/Longitude:**	33.66450 / -117.79220	**Elevation (feet):**	120

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

ROM04F0003	ROMICH, M. (P&D CONSULTANTS) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2004-08-08
WIL05U0005	WILLICK, D. (P&D CONSULTANTS) - RESULTS OF A NESTING BIRD SURVEY, AND LEAST BELL'S VIREO MONITORING, FOR THE JEFFREY ROAD/I-405 BICYCLE BRIDGE PROJECT, CIP 390320 2005-03-14

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	90140	**EO Index:**	91154
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBW01114
Occurrence Number:	373	**Occurrence Last Updated:**	2018-09-04

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2006-09-17	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2006-09-17	**Occurrence Rank:**	Fair
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

VICINITY OF LAGUNA CANYON ROAD (SR-133) AND LAKE FOREST DR INTERSECTION, EASTERN SAN JOAQUIN HILLS, SE OF IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES AND MAPS. NEAR HISTORICAL LOCATION OF LAGUNA RESERVOIR. AERIAL PHOTOS (1994-2011) SHOW THAT HABITAT IS HIGHLY DEGRADED AND AREA APPEARS TO BE GRADED FOR RESIDENTIAL DEVELOPMENT.

Ecological:

HABITAT CONSISTED OF GRASSLAND, COASTAL SAGE SCRUB, CHAPARRAL, SEASONAL WETLANDS, FRESHWATER MARSH, WOODY RIPARIAN HABITAT AND OAK WOODLAND WITH CROSSING ROADWAYS. LAGUNA RESERVOIR DRAINED IN 2004 AND EDGE VEGETATION WAS CUT.

Threats:

POSSIBLE THREATS INCLUDE ROAD WIDENING AND EXOTIC SPECIES.

General:

1 SINGING MALE OBS APR-MAY 1997. 1 PAIR PRODUCED 4 EGGS ON 22 MAY & FLEDGED AT LEAST 2 YOUNG ON 12 JUN 2005; FIRST CONFIRMED BREEDING TERRITORY SINCE SURVEYS BEGAN IN 2003. 2 ADULTS (PRESUMED PAIR) & 5 JUVENILES OBS FROM 17 MAR-17 SEP 2006.

PLSS:	T06S, R08W, Sec. 19, NW (S)	**Accuracy:**	1/10 mile	**Area (acres):**	0
UTM:	Zone-11 N3722444 E429584	**Latitude/Longitude:**	33.63950 / -117.75930	**Elevation (feet):**	265

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

BAR05U0001	BARONI, I. (LSA ASSOCIATES, INC.) - LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER SURVEYS FOR LAGUNA CANYON ROAD (SR-133) CONSTRUCTION MONITORING, ORANGE COUNTY, CALIFORNIA 2005-10-28
BAR06F0022	BARONI, I. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2006-09-17
ERI97F0005	ERICKSON, R. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 1997-07-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	90171	**EO Index:**	91182
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBW01114
Occurrence Number:	374	**Occurrence Last Updated:**	2018-09-04

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2011-06-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2011-06-XX	**Occurrence Rank:**	Fair
Owner/Manager:	ORA COUNTY-LAGUNA COAST WP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

LAGUNA CANYON, E SIDE OF HWY 133/LAGUNA CANYON RD, ABOUT 1.1 MILES N OF ITS INTERSECTION WITH HWY 73, SE OF IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES FOR PAIR LOCATIONS. GENERAL LOCATION DESCRIPTION WAS "LAGUNA CANYON NORTH OF THE 73 TOLL ROAD."

Ecological:

PREDOMINANTLY COASTAL SAGE SCRUB AND GRASSLAND WITH LESSER AREAS OF CHAPARRAL, OAK AND RIPARIAN WOODLANDS. SURROUNDING AREA WAS OPEN SPACE.

Threats:

General:

1 PAIR AND 1 SOLITARY MALE OBSERVED IN APR-JUL 2010. 1 PAIR AND 1 ADULT OBSERVED FORAGING, PERCHING, AND CALLING (TERRITORIAL) DURING PROTOCOL SURVEYS FOR CALIFORNIA GNATCATCHER MAR-JUN 2011; REPORTER CLASSIFIED INDIVIDUAL AS BREEDING.

PLSS:	T06S, R08W, Sec. 31, NW (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3719031 E429597	**Latitude/Longitude:**	33.60872 / -117.75889	**Elevation (feet):**	368

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

COO11U0002	COOPER, T. - 45-DAY REPORT FOR RIPARIAN BIRD SURVEYS WETLANDS AND RIPARIAN MITIGATION FOR LAGUNA CANYON ROAD. 2011-05-29
KAM11F0020	KAMADA, D. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2011-03-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	90188	**EO Index:**	91199
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBW01114
Occurrence Number:	375	**Occurrence Last Updated:**	2013-08-21

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2002-07-16	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2002-07-16	**Occurrence Rank:**	Poor
Owner/Manager:	ORA COUNTY-ALISO/WOOD CYN RP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALISO CREEK, ABOUT 0.3 MILE E OF ALISO VIEJO PARKWAY AND ALISO CREEK RD, LAGUNA HILLS.

Detailed Location:

SITE REFERRED TO AS PECTIN REEF PROJECT AREA. MAPPED TO PROVIDED COORDINATES AND MAP LOCATIONS. STREAM FED WITH URBAN RUN-OFF.

Ecological:

HABITAT CONSISTED OF COYOTE BRUSH SCRUB, COASTAL SAGE SCRUB, DISTURBED COASTAL SAGE SCRUB, DISTURBED HABITAT, FRESHWATER MARSH, HERBACEOUS WETLAND, CALIFORNIA MUGWORT DOMINATED WETLAND, MULE FAT SCRUB, WILLOW SCRUB, ORNAMENTALS AND RUDERAL.

Threats:

POSSIBLE THREAT DUE TO RECREATION. UP TO 5 COWBIRDS DETECTED DURING SURVEYS.

General:

1 BREEDING PAIR AND 1 MALE OBSERVED IN 2002; PAIR DETECTED THROUGHOUT BREEDING SEASON AND MALE DETECTED ON 14 JUN 2002. PROTOCOL SURVEYS CONDUCTED FROM 23 APR-16 JUL 2002.

PLSS:	T07S, R08W, Sec. 04, SE (S)	**Accuracy:**	non-specific area	**Area (acres):**	22
UTM:	Zone-11 N3716596 E433681	**Latitude/Longitude:**	33.58702 / -117.71468	**Elevation (feet):**	240

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

LEA02F0006	LEATHERMAN, B. (WHITE AND LEATHERMAN BIOSERVICES) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2002-05-03
PRI02R0003	PRIEST, J. (DUDEK AND ASSOCIATES) - FOCUSED SURVEY REPORT FOR THE 2002 PECTIN REEF SOUTHWESTERN WILLOW FLYCATCHER, LEAST BELL'S VIREO AND COASTAL CALIFORNIA GNATCATCHER, LAGUNA HILLS, ORANGE COUNTY, CALIFORNIA 2002-09-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	90190	**EO Index:**	91201
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBW01114
Occurrence Number:	376	**Occurrence Last Updated:**	2013-08-21

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2005-07-16	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2005-07-16	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAN JUAN CREEK, AREA E OF I-5, S OF ORTEGA HWY, E OF LA NOVIA AVE, AND N OF SAN JUAN CREEK RD, SAN JUAN CAPISTRANO.

Detailed Location:

AREA ADJACENT TO SAN JUAN HILLS COUNTRY CLUB/GOLF COURSE. DETECTIONS MADE IN THE AREA JUST W OF LA NOVIA AVE BRIDGE. MAPPED TO GENERAL SURVEY SITE ON PROVIDED MAPS.

Ecological:

DOMINANT TREE SPECIES INCLUDED BLACK WILLOW, ARROYO WILLOW, AND RED WILLOW. FRESHWATER MARSH UNDERSTORY COMPRISED OF TYPHY SP., SCIRPUS SP., WITH SANDBAR WILLOW AND MULEFAT.

Threats:

General:

3 TERRITORIAL MALES DETECTED BETWEEN 22 MAY-15 JUL 2004; BEHAVIOR DESCRIBED AS SINGING ON EACH DETECTION. 2 TERRITORIAL MALES DETECTED BETWEEN 15 MAY-16 JUL 2005; BREEDING WAS NOT CONFIRMED.

PLSS:	T08S, R07W, Sec. 06, S (S)	**Accuracy:**	non-specific area	**Area (acres):**	26
UTM:	Zone-11 N3706985 E439579	**Latitude/Longitude:**	33.50069 / -117.65048	**Elevation (feet):**	100

County Summary:	**Quad Summary:**
Orange	Dana Point (3311746), San Juan Capistrano (3311756)

Sources:

HAM04U0002	HAMILTON, R. (HAMILTON BIOLOGICAL, INC.) - REPORT ON SOUTHWESTERN WILLOW FLYCATCHER SURVEYS LA NOVIA BRIDGE PROJECT, SAN JUAN CAPISTRANO, CA 2004-07-27
HAM05U0002	HAMILTON, R. (HAMILTON BIOLOGICAL, INC.) - REPORT ON 2005 SOUTHWESTERN WILLOW FLYCATCHER SURVEYS LA NOVIA BRIDGE PROJECT, SAN JUAN CAPISTRANO, CA 2005-08-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	90193	**EO Index:**	91204
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBW01114
Occurrence Number:	377	**Occurrence Last Updated:**	2013-08-30

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2001-07-04	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2002-05-31	**Occurrence Rank:**	Poor
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SOUTH END OF CAMINO LACOUAGUE AT VIA BUENA VISTA, S OF HWY 74, E OF I-5, SAN JUAN CAPISTRANO.

Detailed Location:

MAPPED TO PROVIDED LOCATION DESCRIPTION AND MAP.

Ecological:

HABITAT CONSISTED OF A NARROW STRIP OF SOUTHERN WILLOW SCRUB DOMINATED BY ARROYO WILLOW AND MULEFAT. NON-NATIVE GRASSLAND CONSISTING OF BLACK AND SHORT-POD MUSTARD, FENNEL, AND CARDOON PLANTS ALSO PRESENT.

Threats:

POSSIBLE THREATS INCLUDE DEVELOPMENT (WHISPERING HILLS - RESIDENTIAL), BRUSH FIRES, AND CATTLE GRAZING.

General:

A SINGING MALE WAS DETECTED DURING FOCUSED SURVEYS FROM 18 MAY-4 JUL 2001; CONSIDERED BREEDING BY REPORTER. NO LEAST BELL'S VIREO WERE DETECTED DURING FOCUSED SURVEYS FROM 12 APR-31 MAY 2002.

PLSS:	T08S, R07W, Sec. 05, NE (S)	**Accuracy:**	1/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3707716 E441570	**Latitude/Longitude:**	33.50740 / -117.62910	**Elevation (feet):**	200

County Summary:	**Quad Summary:**
Orange	Canada Gobernadora (3311755), San Juan Capistrano (3311756)

Sources:

EDW01F0007 EDWARDS, C.G. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2001-07-04

EDW02F0014 EDWARDS, C.G. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2002-05-31

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	90198	**EO Index:**	91207
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBW01114
Occurrence Number:	378	**Occurrence Last Updated:**	2013-08-23

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2007-07-30	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2008-07-31	**Occurrence Rank:**	Unknown
Owner/Manager:	TNC	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ABOUT 0.5 MILE UPSTREAM OF RATTLESNAKE RESERVOIR, BETWEEN RATTLESNAKE CANYON AND HICKS CANYON, E OF IRVINE.

Detailed Location:

SITE REFERRED TO AS THE IRVINE COMPANY PLANNING AREA 1 (PA1). LOCATION MONITORED FOR LEAST BELL'S VIREOS FROM 2007-2008, REFERRED TO AS VIREO PAIR #6 (VP6). MAPPED BASED ON PROVIDED MAP LOCATION TO UNNAMED STREAM ADJACENT TO RATTLESNAKE RD.

Ecological:

HABITAT DESCRIBED AS WILLOW RIPARIAN SCRUB CONSISTING OF WILLOWS, MULEFAT AND MEXICAN ELDERBERRY. SANTIAGO FIRE BURNED LARGE PORTION OF PA1 AND SURROUNDING AREAS IN OCT 2007. ACTIVE COWBIRD TRAPPING ONSITE.

Threats:

1 BROWN-HEADED COWBIRD WAS DETECTED IN THE AREA IN 2007 & 2008.

General:

1 PAIR SUCCESSFULLY PRODUCED 3 FLEDGLINGS BETWEEN 23 APR-30 JUL 2007; PAIR HAD SEVERAL NESTING ATTEMPTS AND WERE NOT DOCUMENTED IN PREVIOUS YEARS. NO LEAST BELL'S VIREOS DETECTED DURING FOCUSED SURVEYS CONDUCTED FROM 21 APR-31 JUL 2008.

PLSS:	T05S, R08W, Sec. 16, SW (S)	**Accuracy:**	1/10 mile	**Area (acres):**	0
UTM:	Zone-11 N3732813 E432486	**Latitude/Longitude:**	33.73320 / -117.72880	**Elevation (feet):**	515

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

HAR07R0003	HARMSWORTH ASSOCIATES - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 1 FOR 2007 2007-11-XX
HAR08R0003	HARMSWORTH ASSOCIATES - REPORT ON LEAST BELL'S VIREO PROTOCOL SURVEYS IN PLANNING AREA 1 FOR 2008 2008-11-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 90199
EO Index: 91208
Key Quad: El Toro (3311766)
Element Code: ABPBW01114
Occurrence Number: 379
Occurrence Last Updated: 2013-08-23

Scientific Name: *Vireo bellii pusillus*
Common Name: least Bell's vireo

Listing Status: **Federal:** Endangered
State: Endangered
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G5T2
State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed: 2001-07-13
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-07-13
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

NORTHERN EDGE OF SIPHON RESERVOIR, BETWEEN HICKS CANYON AND BEE CANYON, ABOUT 6.3 MILES ESE OF TUSTIN.

Detailed Location:

AREA REFERRED TO AS THE IRVINE COMPANY'S "IRVINE NORTHERN SPHERE" AND WAS BROKEN DOWN INTO FIVE PLANNING AREAS.

Ecological:

GENERAL AREA CONSISTED MOSTLY OF UNDEVELOPED AND AGRICULTURAL LAND. RIPARIAN HABITAT CONSISTED OF SYCAMORE AND OAK RIPARIAN WOODLAND. NEST LOCATED IN A MULEFAT BUSH. NO BROWN-HEADED COWBIRDS DETECTED ON SITE.

Threats:

General:

1 PAIR AND 2 UNPAIRED MALES DETECTED BETWEEN 20 APR-13 JUL 2001; PAIR FLEDGED 4 YOUNG.

PLSS: T05S, R08W, Sec. 29, NE (S)
Accuracy: non-specific area
Area (acres): 28
UTM: Zone-11 N3730501 E432239
Latitude/Longitude: 33.71233 / -117.73129
Elevation (feet): 360

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

HAR01R0004 HARMSWORTH ASSOCIATES - REPORT ON BIOLOGICAL SURVEYS FOR THE IRVINE NORTHERN SPHERE 2001-10-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 90204
EO Index: 91213
Key Quad: El Toro (3311766)
Element Code: ABPBW01114
Occurrence Number: 380
Occurrence Last Updated: 2018-09-14

Scientific Name: *Vireo bellii pusillus*
Common Name: least Bell's vireo

Listing Status: **Federal:** Endangered
State: Endangered
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G5T2
State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed: 2012-06-18
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2012-06-18
Occurrence Rank: Fair
Owner/Manager: ORA COUNTY-GREAT PARK
Trend: Unknown
Presence: Presumed Extant

Location:

VICINITY OF BORREGO CANYON, ABOUT 0.4 MILE NNW OF SR-241 AT ALTON PKWY, N OF EL TORO.

Detailed Location:

MAPPED TO PROVIDED COORDINATES. LOCATION DESCRIBED AS "EAST END OF EL TORO HABITAT PRESERVE, JUST WEST OF SR-241."

Ecological:

HABITAT WAS NARROW WILLOW RIPARIAN SYSTEM DOMINATED BY 30-40 FT TALL SALIX GOODINGII AND SALIX LASIOLEPSIS. RIPARIAN STRIP FLOWING WEST FROM CULVERT UNDER ADJACENT TOLL ROAD. HABITAT WAS BURNED IN OCT 2007 (SANTIAGO FIRE).

Threats:

General:

1 UNBANDED SINGING MALE DETECTED ON 11 APR 2007; NO FEMALE DETECTED BUT SITE WAS ONLY SURVEYED BRIEFLY. 1 PAIR OBSERVED ON 18 JUN 2012.

PLSS: T06S, R08W, Sec. 2, NE (S)
Accuracy: specific area
Area (acres): 7
UTM: Zone-11 N3727412 E437110
Latitude/Longitude: 33.68478 / -117.67851
Elevation (feet): 729

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

CLA07F0013	CLARK, K. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2007-04-11
CLA07U0002	CLARK, K. (CLARK BIOLOGICAL SERVICES) - PERSONAL COMMUNICATION BETWEEN K. CLARK AND E. TURNER REGARDING LEAST BELL'S VIREO DETECTION AT EL TORO HABITAT PRESERVE, 2007 2007-04-16
CLA12D0004	CLARK, K. (SAN DIEGO NATURAL HISTORY MUSEUM) - SPREADSHEET OF LEAST BELL'S VIREO DETECTIONS AT THE EL TORO CONSERVATION AREA, 2012. 2012-08-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 90205
EO Index: 91214
Key Quad: El Toro (3311766)
Element Code: ABPBW01114
Occurrence Number: 381
Occurrence Last Updated: 2013-09-03

Scientific Name: *Vireo bellii pusillus*
Common Name: least Bell's vireo

Listing Status: **Federal:** Endangered
State: Endangered
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G5T2
State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed: 2008-07-09
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-07-09
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY-GREAT PARK
Trend: Unknown
Presence: Presumed Extant

Location:

UPPER BORREGO CANYON, ABOUT 0.4 MILE W OF SR-241 AT ALTON PKWY, N OF EL TORO.

Detailed Location:

MAPPED TO PROVIDED COORDINATES. PAIR WAS PART OF A TOTAL OF 8 VIREO LOCATIONS IN 2008; PAIR LABELED "LBV LOCATION 4" BY REPORTER. SITE ADJACENT TO COMMERCIAL DEVELOPMENT.

Ecological:

HABITAT CONSISTED OF A MIX OF WILLOWS, WESTERN SYCAMORE, AND COAST LIVE OAK.

Threats:

General:

MALE OBSERVED ON 6 & 13 JUN, FEMALE OBSERVED FORAGING WITH MALE ON 20 & 27 JUN 2008. NEST WITH 3 EGGS DISCOVERED ON 27 JUN, BUT WAS ABANDONED WITH ONLY 1 EGG REMAINING BY 9 JUL 2008.

PLSS: T06S, R08W, Sec. 02, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3726939 E436931
Latitude/Longitude: 33.68050 / -117.68040
Elevation (feet): 685

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

ONE08U0001 ONEAL, A. (BONTERRA CONSULTING) - RESULTS OF FOCUSED PRESENCE/ABSENCE SURVEYS FOR THE LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER ON THE ALTON PARKWAY EXTENSION PROJECT SITE 2008-08-25

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	90206	**EO Index:**	91215
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBW01114
Occurrence Number:	382	**Occurrence Last Updated:**	2013-08-26

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2008-07-15	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2008-07-15	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

UPPER BORREGO CANYON, ABOUT 0.6 MILE WSW OF SR-241 AT ALTON PKWY, N OF EL TORO.

Detailed Location:

MAPPED TO PROVIDED COORDINATES. DETECTIONS WERE PART OF A TOTAL OF 8 VIREO LOCATIONS IN 2008; LOCATIONS LABELED "LBV LOCATION 5 & 6" BY REPORTER.

Ecological:

HABITAT DESCRIBED AS WILLOW RIPARIAN SCRUB DOMINATED BY BLACK WILLOW, ARROYO WILLOW, NARROW-LEAVED WILLOW AND MULE FAT.

Threats:

General:

2 SINGING MALES DETECTED ON 6-27 JUN & 1 JUL 2008. 1 OF THESE MALES WAS OBSERVED WITH 2 JUVENILES ON 9 JUL 2008; BIRDS WERE OBSERVED FORAGING AND CHASING MALE FROM ADJACENT TERRITORY. 2 MALES OBSERVED ON 15 JUL 2008.

PLSS:	T06S, R08W, Sec. 02, SE (S)	**Accuracy:**	specific area	**Area (acres):**	8
UTM:	Zone-11 N3726610 E436563	**Latitude/Longitude:**	33.67751 / -117.68434	**Elevation (feet):**	640

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

ONE08U0001 ONEAL, A. (BONTERRA CONSULTING) - RESULTS OF FOCUSED PRESENCE/ABSENCE SURVEYS FOR THE LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER ON THE ALTON PARKWAY EXTENSION PROJECT SITE 2008-08-25

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	90207	**EO Index:**	91216
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBW01114
Occurrence Number:	383	**Occurrence Last Updated:**	2018-09-28

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2017-07-25	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2017-07-25	**Occurrence Rank:**	Fair
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

BORREGO WASH AT MOUTH OF BORREGO CANYON, JUST E OF ALTON PKWY AND IRVINE BLVD INTERSECTION, N OF EL TORO.

Detailed Location:

MAPPED TO PROVIDED COORDINATES. DETECTIONS WERE PART OF A TOTAL OF 8 VIREO LOCATIONS IN 2008; LOCATIONS LABELED "LBV LOCATION 1-3, 7, & 8" BY REPORTER. ALTON PKWY RUNS ALONG DETECTION SITES. FORMER SITE OF EL TORO MARINE CORP AIR STATION.

Ecological:

RIPARIAN SCRUB AND TRANSITIONAL RIPARIAN SCRUB HABITATS ON THE MITIGATION SITE ARE DOMINATED BY MULE FAT, GOODDING'S BLACK WILLOW, RED WILLOW, COYOTE BRUSH, AND DEERGRASS. OTHER NATIVE SPECIES WERE ARROYO WILLOW, MUGWORT, & WESTERN RAGWEED.

Threats:

ROAD DEVELOPMENT; LIKELY EXTIRPATED FROM BORREGO CYN WASH PORTION OF EO SINCE PAVED OVER AS ALTON PKWY AROUND 2011.

General:

0 BIRDS IN 2002-03. 1 PAIR SUCCESSFULLY FLEDGED YOUNG AFTER 2 FAILED NESTING ATTEMPTS IN 2005. 3 MALES, 2 FEMALES, & 3 JUVENILES IN 2008. 3+ NESTING PAIRS, 4 YOUNG, OBSERVED IN 2012. 1 MALE IN 2014. 0 IN 2015. 2 ADULTS/2 JUVENILES IN 2017.

PLSS:	T06S, R08W, Sec. 10 (S)	**Accuracy:**	non-specific area	**Area (acres):**	61
UTM:	Zone-11 N3725433 E435134	**Latitude/Longitude:**	33.66681 / -117.69968	**Elevation (feet):**	493

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

AGU17F0023	AGUAYO, J. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2017-07-25
BRA05U0001	BRADY, K. & A. ONEAL (BONTERRA CONSULTING) - RESULTS OF FOCUSED SURVEYS THE SOUTHWESTERN WILLOW FLYCATCHER AND LEAST BELL'S VIREO FOR THE ALTON PARKWAY EXTENSION PROJECT, ORANGE COUNTY, CALIFORNIA 2005-12-16
CLA12D0004	CLARK, K. (SAN DIEGO NATURAL HISTORY MUSEUM) - SPREADSHEET OF LEAST BELL'S VIREO DETECTIONS AT THE EL TORO CONSERVATION AREA, 2012. 2012-08-XX
CLA12R0003	CLARK, K. (SAN DIEGO NATURAL HISTORY MUSEUM) - CALIFORNIA GNATCATCHER AND CACTUS WREN SURVEYS AT THE EL TORO CONSERVATION AREA 2012-10-10
CLA13R0002	CLARK, K. (SAN DIEGO NATURAL HISTORY MUSEUM) - EL TORO CONSERVATION AREA POST-FIRE ASSESSMENT. PREPARED FOR THE NATURE RESERVE OF ORANGE COUNTY, IRVINE, CA. 2013-05-13
HER14U0001	HEREDIA, A. & J. AGUAYO (BONTERRA CONSULTING) - RESULTS OF THE LEAST BELL'S VIREO SURVEY FOR THE ON-SITE MITIGATION PROGRAM FOR THE ALTON PARKWAY EXTENSION PROJECT. 2014-12-03
LEA05F0012	LEATHERMAN, B. (WHITE AND LEATHERMAN BIOSERVICES) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2005-05-13
LEA12F0007	LEATHERMAN, B. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2012-06-08
ONE08U0001	ONEAL, A. (BONTERRA CONSULTING) - RESULTS OF FOCUSED PRESENCE/ABSENCE SURVEYS FOR THE LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER ON THE ALTON PARKWAY EXTENSION PROJECT SITE 2008-08-25
RIC15R0001	RICHARDS, P. (ICF INTERNATIONAL, INC.) - 45-DAY REPORT-PRESENCE/ABSENCE SURVEYS FOR LEAST BELL'S VIREO AND COASTAL CA. GNATCATCHER FOR THE ALTON PARKWAY EXTENSION PROJECT ON-SITE MITIGATION PROGRAM, IRVINE, ORANGE CO, CA 2015-09-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B0523	**EO Index:**	112386
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBW01114
Occurrence Number:	598	**Occurrence Last Updated:**	2018-08-31

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2016-07-08	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2016-07-19	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ABOUT 0.4 MI N OF GOLDEN LANTERN ST AT BEACON HILL WAY, 1 MI E OF CLUBHOUSE DR AT NIGUEL RD, SAN JUAN CANYON.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

Threats:

General:

VIREOS CONSISTENTLY OBSERVED AND HEARD SINGING IN THE AREA OVER 5 SURVEY DATES FROM 3 JUN-19 JUL 2016. COUNTER SINGING HEARD ON 27 JUN 2016. FLEDGLING CONTACT CALL HEARD ON 8 JUL 2016. NO FEMALES OBSERVED.

PLSS:	T08S, R08W, Sec. 2, NW (S)	**Accuracy:**	specific area	**Area (acres):**	15
UTM:	Zone-11 N3708065 E435731	**Latitude/Longitude:**	33.5102 / -117.69199	**Elevation (feet):**	320

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

FER16D0002 FERREE, K. - AVIAN OBSERVATION DATA RELATED TO FOCUSED LEAST BELL'S VIREO AND SOUTHWESTERN FLYCATCHER SURVEYS. 2016-07-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B0527	**EO Index:**	112390
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBW01114
Occurrence Number:	599	**Occurrence Last Updated:**	2018-08-31

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2017-07-07	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2017-07-07	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ABOUT 0.4 MI NNW OF ALICIA PKWY AT AVILA RD, 0.9 MI SSE OF HWY 73 AT ALISO CREEK RD, 2.8 MI S OF LAGUNA HILLS PO.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

Threats:

General:

2 ADULTS OBSERVED FORAGING AND FLYING AROUND HOLDING A TERRITORY ON 7 JUL 2017. BIRD SITE USE CLASSIFIED AS NESTING ON STANDARD CNDDB FIELD SURVEY FORM.

PLSS:	T07S, R08W, Sec. 16, NE (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3714508 E433434	**Latitude/Longitude:**	33.56817 / -117.7172	**Elevation (feet):**	182

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

NER17F0009 NERHUS, B. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2017-07-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B0665
EO Index: 112535
Key Quad: El Toro (3311766)
Element Code: ABPBW01114
Occurrence Number: 603
Occurrence Last Updated: 2018-09-13

Scientific Name: *Vireo bellii pusillus*
Common Name: least Bell's vireo

Listing Status: **Federal:** Endangered
State: Endangered
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G5T2
State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed: 2017-04-28
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-04-28
Occurrence Rank: Good
Owner/Manager: PVT-SANTA MARGARITA WATER DIST
Trend: Unknown
Presence: Presumed Extant

Location:

ABOUT 0.5 MI S OF GLENN RANCH RD AT HWY 18, 0.6 MI NNW OF HWY 241 AT LOS ALISOS BLVD, UPPER OSO RESERVOIR.

Detailed Location:

MAPPED ACCORDING TO THE PROVIDED COORDINATES.

Ecological:

Threats:

General:

1 HEARD SINGING ON 28 APR 2017. ALTHOUGH THE NESTING STATUS OF THIS BIRD COULD NOT BE DETERMINED, IT IS LIKELY NESTING IN THE DENSE VEGETATION ALONG THE RESERVOIR.

PLSS: T06S, R07W, Sec. 8, SE (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3725002 E441850
Latitude/Longitude: 33.66331 / -117.62722
Elevation (feet): 951

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

LEA17F0002 LEATHERMAN, B. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS [SC-001562] 2017-04-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B0760	**EO Index:**	112633
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBW01114
Occurrence Number:	604	**Occurrence Last Updated:**	2018-09-21

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2015-07-30	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2015-07-30	**Occurrence Rank:**	Unknown
Owner/Manager:	CITY OF IRVINE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ABOUT 0.2 MI N OF SHADY CANYON AVE AT QUAIL HILL PKWY, 0.2 MI W OF SHADY CANYON AVE AT I-405, IRVINE.

Detailed Location:

MAPPED ACCORDING TO THE PROVIDED COORDINATES.

Ecological:

DOMINATED BY GOODDING'S BLACK WILLOW, WITH ARROYO WILLOW, FREMONT'S COTTONWOOD, WESTERN SYCAMORE SAPLINGS, MULEFAT, AND BLUE ELDERBERRY.

Threats:

General:

1 PAIR AND 2 JUVENILES OBSERVED DURING SURVEYS CONDUCTED BETWEEN 17 APR-30 JUL 2015; THE TWO JUVENILES WERE OBSERVED MOVING AROUND TOGETHER ON 30 JUL 2015.

PLSS:	T06S, R09W, Sec. 14, NE (S)	**Accuracy:**	specific area	**Area (acres):**	16
UTM:	Zone-11 N3724459 E427524	**Latitude/Longitude:**	33.65753 / -117.78168	**Elevation (feet):**	151

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

AGU15F0007	AGUAYO, J. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2015-07-20
HER15U0014	HEREDIA, A. & J. AGUAYO (BONTERRA CONSULTING) - RESULTS OF THE LEAST BELL'S VIREO AND SOUTHWESTERN WILLOW FLYCATCHER SURVEYS FOR THE INTERSTATE 405 IMPROVEMENT PROJECT FROM INTERSTATE 5 TO STATE ROUTE 55. 2015-08-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B0764
EO Index: 112636
Key Quad: Tustin (3311767)
Element Code: ABPBW01114
Occurrence Number: 605
Occurrence Last Updated: 2018-09-21

Scientific Name: *Vireo bellii pusillus*
Common Name: least Bell's vireo

Listing Status: **Federal:** Endangered
State: Endangered
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G5T2
State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed: 2016-08-18
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2016-08-18
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

ABOUT 0.2 MI W OF HWY 133 AT LAGUNA CANYON RD, 0.3 MI S OF QUAIL HILL PKWY AT LAGUNA CANYON RD, IRVINE.

Detailed Location:

MAPPED ACCORDING TO THE PROVIDED COORDINATES.

Ecological:

Threats:

General:

AT LEAST ONE PAIR AND 2 FLEDGLINGS ALONG WITH INDIVIDUAL MALES OBSERVED/HEARD FROM 22 APR - 18 AUG 2016.

PLSS: T06S, R09W, Sec. 24, NE (S)
Accuracy: specific area
Area (acres): 5
UTM: Zone-11 N3722857 E428978
Latitude/Longitude: 33.64318 / -117.76588
Elevation (feet): 248

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

AMA16D0001 AMALONG, M. (ENVIRONMENTAL INTELLIGENCE) - TWO SHAPEFILES (NESTS, DETECTIONS) FOR SURVEY RESULTS FOR THE SAFARI SUBSTATION PROJECT, ORANGE COUNTY, 2016. 2016-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B8085	**EO Index:**	121199
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBW01114
Occurrence Number:	618	**Occurrence Last Updated:**	2022-03-11

Scientific Name: *Vireo bellii pusillus* **Common Name:** least Bell's vireo

Listing Status: **Federal:** Endangered **Rare Plant Rank:**

State: Endangered **Other Lists:**

CNDDB Element Ranks: **Global:** G5T2

State: S3

General Habitat:

SUMMER RESIDENT OF SOUTHERN CALIFORNIA IN LOW RIPARIAN IN VICINITY OF WATER OR IN DRY RIVER BOTTOMS; BELOW 2000 FT.

Micro Habitat:

NESTS PLACED ALONG MARGINS OF BUSHES OR ON TWIGS PROJECTING INTO PATHWAYS, USUALLY WILLOW, BACCHARIS, MESQUITE.

Last Date Observed:	2020-06-02	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-02	**Occurrence Rank:**	Good
Owner/Manager:	UCNR	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

VICINITY OF UPPER AND MIDDLE MARSH AT UCNR SAN JOAQUIN MARSH RESERVE, 0.3 MI S OF JAMBOREE RD AT CAMPUS DR, IRVINE.

Detailed Location:

MAPPED TO COORDINATES PROVIDED FOR 2020 DETECTIONS. LOCATION OF DETECTIONS NOTED AS, "INCIDENTALLY HEARD WHILE WALKING DOWN DIRT ROAD."

Ecological:

Threats:

General:

DETECTIONS WERE MADE IN THIS VICINITY IN 2013, 2014, 2015, 2016, 2017, 2018, 2019, AND 2020. SURVEY RESULTS COULD BE ENHANCED BY CONDUCTING AND REPORTING PROTOCOL LEVEL SURVEYS FOLLOWING USFWS 2001 GUIDELINES.

PLSS:	T06S, R09W, Sec. 7, SE (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3724879 E420793	**Latitude/Longitude:**	33.66084 / -117.85432	**Elevation (feet):**	14

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

COF20F0002 COFFEY, J. ET AL. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 2020-06-02

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	A2703	**EO Index:**	104294
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBX03010
Occurrence Number:	110	**Occurrence Last Updated:**	2016-11-29

Scientific Name: *Setophaga petechia*

Common Name: yellow warbler

Listing Status: **Federal:** None

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5

State: S3

General Habitat:

RIPARIAN PLANT ASSOCIATIONS IN CLOSE PROXIMITY TO WATER. ALSO NESTS IN MONTANE SHRUBBERY IN OPEN CONIFER FORESTS IN CASCADES AND SIERRA NEVADA.

Micro Habitat:

FREQUENTLY FOUND NESTING AND FORAGING IN WILLOW SHRUBS AND THICKETS, AND IN OTHER RIPARIAN PLANTS INCLUDING COTTONWOODS, SYCAMORES, ASH, AND ALDERS.

Last Date Observed:	2016-07-15	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2016-07-15	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN, DFG	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

VICINITY OF LAGUNA CANYON RD, FROM 0.1 MI N TO 0.3 MI S OF THE EL TORO RD JUNCTION, N OF LAGUNA BEACH.

Detailed Location:

MAPPED TO PROVIDED COORDINATES.

Ecological:

OBSERVATIONS MADE DURING PROTOCOL SURVEYS FOR SOUTHWESTERN WILLOW FLYCATCHER.

Threats:

General:

1 ADULT HEARD SINGING, 1 ADULT SEEN FEEDING A DEPENDENT FLEDGLING, & 1 PAIR SEEN FEEDING A DEPENDENT FLEDGLING ON 15 JUL 2016.

PLSS:	T07S, R08W, Sec. 7, NW (S)	**Accuracy:**	specific area	**Area (acres):**	15
UTM:	Zone-11 N3715984 E429333	**Latitude/Longitude:**	33.58122 / -117.7615	**Elevation (feet):**	223

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

SMI16F0030	SMITH, B. - FIELD SURVEY FORM FOR SETOPHAGA PETECHIA 2016-07-15
SMI16F0031	SMITH, B. - FIELD SURVEY FORM FOR SETOPHAGA PETECHIA 2016-07-15
SMI16F0032	SMITH, B. - FIELD SURVEY FORM FOR SETOPHAGA PETECHIA 2016-07-15

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B4323	**EO Index:**	117251
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBX03010
Occurrence Number:	121	**Occurrence Last Updated:**	2019-10-30

Scientific Name: *Setophaga petechia*

Common Name: yellow warbler

Listing Status: **Federal:** None

State: None

Rare Plant Rank:

Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5

State: S3

General Habitat:

RIPARIAN PLANT ASSOCIATIONS IN CLOSE PROXIMITY TO WATER. ALSO NESTS IN MONTANE SHRUBBERY IN OPEN CONIFER FORESTS IN CASCADES AND SIERRA NEVADA.

Micro Habitat:

FREQUENTLY FOUND NESTING AND FORAGING IN WILLOW SHRUBS AND THICKETS, AND IN OTHER RIPARIAN PLANTS INCLUDING COTTONWOODS, SYCAMORES, ASH, AND ALDERS.

Last Date Observed:	2017-05-18	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2017-05-18	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

VICINITY OF MAGAZINE RD, ABOUT 0.3 MI NE OF ALTON PKWY AT IRVINE BLVD, LAKE FOREST.

Detailed Location:

MAPPED TO COORDINATES GIVEN ON 2017 FIELD SURVEY FORM. EXACT LOCATIONS NOT GIVEN FOR 2002 AND 2015 DETECTIONS.

Ecological:

2017: 11.43-ACRE MITIGATION SITE WITH RIPARIAN SCRUB INCLUDING MULEFAT, BLACK WILLOW, RED WILLOW, COYOTE BRUSH AND DEERGRASS.

Threats:

GOOGLE EARTH AIR PHOTOS INDICATE ROAD BUILDING AND OTHER DEVELOPMENT ACTIVITY IN VICINITY.

General:

DETECTED DURING LISTED BIRD SURVEYS IN 2002 AND 2015. 2 ADULTS DETECTED ON 18 MAY 2017 WERE PRESUMED TO BE BREEDING IN THE AREA.

PLSS:	T06S, R08W, Sec. 10, NE (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3725484 E434905	**Latitude/Longitude:**	33.66726 / -117.70216	**Elevation (feet):**	482

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

AGU17F0024	AGUAYO, J. - FIELD SURVEY FORM FOR SETOPHAGA PETECHIA 2017-05-18
AGU17R0001	AGUAYO, J. & A. HEREDIA (PSOMAS ENGINEERING) - 2017 RESULTS OF A COASTAL CALIFORNIA GNATCATCHER SURVEY FOR THE ON-SITE MITIGATION PROGRAM FOR THE ALTON PARKWAY EXTENSION PROJECT, ORANGE COUNTY, CALIFORNIA 2017-08-21
RIC15R0001	RICHARDS, P. (ICF INTERNATIONAL, INC.) - 45-DAY REPORT-PRESENCE/ABSENCE SURVEYS FOR LEAST BELL'S VIREO AND COASTAL CA. GNATCATCHER FOR THE ALTON PARKWAY EXTENSION PROJECT ON-SITE MITIGATION PROGRAM, IRVINE, ORANGE CO, CA 2015-09-11
WHI02U0001	WHITE & LEATHERMAN BIOSERVICES - RESULTS OF FOCUSED SURVEYS FOR THE SOUTHWESTERN WILLOW FLYCATCHER, LEAST BELL'S VIREO AND CALIFORNIA GNATCATCHER FOR THE ALTON PARKWAY EXTENSION PROJECT, ORANGE COUNTY. 2002-09-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 33647
EO Index: 30219
Key Quad: El Toro (3311766)
Element Code: ABPBX24010
Occurrence Number: 77
Occurrence Last Updated: 1997-02-24

Scientific Name: *Icteria virens*
Common Name: yellow-breasted chat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5
State: S4

General Habitat:

SUMMER RESIDENT; INHABITS RIPARIAN THICKETS OF WILLOW AND OTHER BRUSHY TANGLES NEAR WATERCOURSES.

Micro Habitat:

NESTS IN LOW, DENSE RIPARIAN, CONSISTING OF WILLOW, BLACKBERRY, WILD GRAPE; FORAGES AND NESTS WITHIN 10 FT OF GROUND.

Last Date Observed: 1996-04-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1996-04-10
Occurrence Rank: Good
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:

SAN DIEGO CREEK, 0.5 MILE WEST OF I-5, SOUTH OF EL TORO MARINE CORPS AIR STATION.

Detailed Location:

Ecological:

HABITAT CONSISTS OF WILLOW-DOMINATED RIPARIAN WOODLAND, WITH A GOOD UNDERSTORY OF MULEFAT. LEAST BELLS VIREO ALSO BREEDS AT THIS SITE. SURROUNDING AREA DOMINATED BY AGRICULTURE.

Threats:

General:

AN UNKNOWN NUMBER OF CHATS OBSERVED BREEDING ON 10 APRIL 1996, DURING A SURVEY FOR LEAST BELLS VIREO.

PLSS: T06S, R08W (S)
Accuracy: specific area
Area (acres): 31
UTM: Zone-11 N3721810 E431179
Latitude/Longitude: 33.63389 / -117.74205
Elevation (feet): 200

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

GAL96F0002 GALVIN, P. - FIELD SURVEY FORM FOR VIREO BELLII PUSILLUS 1996-04-10

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53528
EO Index: 53528
Key Quad: Tustin (3311767)
Element Code: ABPBX24010
Occurrence Number: 94
Occurrence Last Updated: 2003-12-09

Scientific Name: *Icteria virens*
Common Name: yellow-breasted chat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5
State: S4

General Habitat:

SUMMER RESIDENT; INHABITS RIPARIAN THICKETS OF WILLOW AND OTHER BRUSHY TANGLES NEAR WATERCOURSES.

Micro Habitat:

NESTS IN LOW, DENSE RIPARIAN, CONSISTING OF WILLOW, BLACKBERRY, WILD GRAPE; FORAGES AND NESTS WITHIN 10 FT OF GROUND.

Last Date Observed: 1990-07-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1990-07-01
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

BONITA CANYON RESERVOIR, NEWPORT BEACH.

Detailed Location:

Ecological:

1 PAIR OF ACCIPTIER COOPERII MAY BE NESTING IN VICINITY OF BONITA CANYON RESERVOIR.

Threats:

General:

CHATS OBSERVED ON 17 & 29 MAY, 15 JUN AND 1 JUL 1990. IT IS ESTIMATED THAT 1 OR 2 PAIRS WERE PRESENT IN 1990. THIS IS A KNOWN NESTING AREA FOR THE YELLOW-BREASTED CHAT.

PLSS: T06S, R09W, Sec. 20, SW (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3721503 E421519
Latitude/Longitude: 33.63044 / -117.84618
Elevation (feet): 150

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

LSA92R0001 LSA ASSOCIATES, INC. - BIOLOGICAL ASSESSMENT OF MACARTHUR BOULEVARD WIDENING AND BISON AVENUE EXTENSION. 1992-03-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 54504
EO Index: 54505
Key Quad: El Toro (3311766)
Element Code: ABPBX24010
Occurrence Number: 97
Occurrence Last Updated: 2004-02-27

Scientific Name: *Icteria virens*
Common Name: yellow-breasted chat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5
State: S4

General Habitat:

SUMMER RESIDENT; INHABITS RIPARIAN THICKETS OF WILLOW AND OTHER BRUSHY TANGLES NEAR WATERCOURSES.

Micro Habitat:

NESTS IN LOW, DENSE RIPARIAN, CONSISTING OF WILLOW, BLACKBERRY, WILD GRAPE; FORAGES AND NESTS WITHIN 10 FT OF GROUND.

Last Date Observed: 2003-07-31
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-07-31
Occurrence Rank: Excellent
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:

SITE PA6, WATER BODY AT SOUTH END OF ROUND CANYON, 0.5 MILE NE OF LAMBERT RESERVOIR, NORTH OF EL TORO.

Detailed Location:

Ecological:

HABITAT CONSISTS OF ARROYO WILLOW AND MULEFAT. SURROUNDING LAND COMPRISED OF ORCHARD, NURSERY AND WILDLANDS. CANOPY HEIGHT = 5 M. SURFACE WATER OR SATURATED SOIL IS PRESENT AT SITE.

Threats:

General:

2 PAIRS PRESENT BETWEEN 16 APR AND 31 JUL 2003.

PLSS: T05S, R08W, Sec. 34, NE (S)
Accuracy: specific area
Area (acres): 18
UTM: Zone-11 N3728772 E434985
Latitude/Longitude: 33.69691 / -117.70152
Elevation (feet): 600

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

GAL03F0016 GALVIN, P. - FIELD SURVEY FORM FOR ICTERIA VIRENS 2003-07-31

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 54507
EO Index: 54508
Key Quad: Tustin (3311767)
Element Code: ABPBX24010
Occurrence Number: 98
Occurrence Last Updated: 2004-02-27

Scientific Name: *Icteria virens*
Common Name: yellow-breasted chat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5
State: S4

General Habitat:

SUMMER RESIDENT; INHABITS RIPARIAN THICKETS OF WILLOW AND OTHER BRUSHY TANGLES NEAR WATERCOURSES.

Micro Habitat:

NESTS IN LOW, DENSE RIPARIAN, CONSISTING OF WILLOW, BLACKBERRY, WILD GRAPE; FORAGES AND NESTS WITHIN 10 FT OF GROUND.

Last Date Observed: 2003-07-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-07-05
Occurrence Rank: Good
Owner/Manager: UC-IRVINE
Trend: Unknown
Presence: Presumed Extant

Location:

SOUTH PORTION OF DUCK PONDS LOCATED NORTH OF UNIVERSITY DRIVE, WEST NEWPORT BEACH.

Detailed Location:

Ecological:

HABITAT CONSISTS OF WILLOW RIPARIAN SCRUB. SURROUNDING LAND COMPRISED OF MARSH/ URBAN AREAS.

Threats:

POSSIBLE THREATS INCLUDE DISTURBANCE AND EXOTIC WEEDS.

General:

1 TERRITORIAL MALE CHAT DETECTED ON 5 JUL 2003.

PLSS: T06S, R09W, Sec. 18, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3723993 E420967
Latitude/Longitude: 33.65286 / -117.85235
Elevation (feet): 10

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

GAL03F0019 GALVIN, P. - FIELD SURVEY FORM FOR ICTERIA VIRENS 2003-07-05

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A2700
EO Index: 104291
Key Quad: Laguna Beach (3311757)
Element Code: ABPBX24010
Occurrence Number: 115
Occurrence Last Updated: 2016-11-29

Scientific Name: *Icteria virens*
Common Name: yellow-breasted chat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5
State: S4

General Habitat:

SUMMER RESIDENT; INHABITS RIPARIAN THICKETS OF WILLOW AND OTHER BRUSHY TANGLES NEAR WATERCOURSES.

Micro Habitat:

NESTS IN LOW, DENSE RIPARIAN, CONSISTING OF WILLOW, BLACKBERRY, WILD GRAPE; FORAGES AND NESTS WITHIN 10 FT OF GROUND.

Last Date Observed: 2016-07-15
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2016-07-15
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

E SIDE LAGUNA CANYON RD, ABOUT 0.1 MI NNE OF THE PHILLIPS ST JCT & 0.2 MI SSE OF THE EL TORO RD JCT, N OF LAGUNA BEACH.

Detailed Location:

MAPPED TO PROVIDED COORDINATES.

Ecological:

HABITAT DESCRIBED AS SUITABLE NESTING HABITAT.

Threats:

General:

1 ADULT HEARD SINGING DURING PROTOCOL SURVEY FOR SOUTHWESTERN WILLOW FLYCATCHER ON 15 JUL 2016; PRESUMED BREEDING.

PLSS: T07S, R08W, Sec. 7, NW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3715815 E429340
Latitude/Longitude: 33.5797 / -117.76141
Elevation (feet): 216

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

SMI16F0028 SMITH, B. - FIELD SURVEY FORM FOR ICTERIA VIRENS 2016-07-15

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52221	**EO Index:**	52221
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBX91091
Occurrence Number:	95	**Occurrence Last Updated:**	2003-08-22

Scientific Name: *Aimophila ruficeps canescens* **Common Name:** southern California rufous-crowned sparrow

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3

State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed:	2001-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2001-XX-XX	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.7 MI WEST OF LAGUNA CANYON RD & 1.5 MI SSW OF INTERSECTION OF I-405 & LAGUNA CANYON ROAD; 3.5 MILES NW LAGUNA HILLS.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURNG 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS:	T06S, R09W, Sec. 24 (S)	**Accuracy:**	1/10 mile	**Area (acres):**	0
UTM:	Zone-11 N3721632 E428299	**Latitude/Longitude:**	33.63209 / -117.77309	**Elevation (feet):**	700

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52244	**EO Index:**	52244
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBX91091
Occurrence Number:	96	**Occurrence Last Updated:**	2003-08-25

Scientific Name: *Aimophila ruficeps canescens* **Common Name:** southern California rufous-crowned sparrow

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3

State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed:	2001-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2001-XX-XX	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

EAST SLOPE OF BOMMER CANYON, 1.2 MILES NE OF SIGNAL PEAK, SAN JOAQUIN HILLS; ABOUT 3 MILES NE NEWPORT BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED AT 2 LOCATIONS DURNG 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS:	T06S, R09W, Sec. 27 (S)	**Accuracy:**	non-specific area	**Area (acres):**	42
UTM:	Zone-11 N3720316 E425863	**Latitude/Longitude:**	33.62006 / -117.79924	**Elevation (feet):**	550

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52245
EO Index: 52245
Key Quad: Laguna Beach (3311757)
Element Code: ABPBX91091
Occurrence Number: 97
Occurrence Last Updated: 2003-08-25

Scientific Name: *Aimophila ruficeps canescens*
Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3
State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

WEST SLOPE OF MUDDY CANYON, ABOUT 1 MILE SOUTH OF SIGNAL PEAK, SAN JOAQUIN HILLS; ABOUT 2.5 MILES EAST OF NEWPORT BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED AT 3 LOCATIONS DURNG 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001. LOGGERHEAD SHRIKE PAIR IN VICINITY.

PLSS: T07S, R09W, Sec. 03 (S)
Accuracy: non-specific area
Area (acres): 74
UTM: Zone-11 N3717101 E424356
Latitude/Longitude: 33.59095 / -117.81521
Elevation (feet): 800

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52246
EO Index: 52246
Key Quad: Laguna Beach (3311757)
Element Code: ABPBX91091
Occurrence Number: 98
Occurrence Last Updated: 2003-08-25

Scientific Name: *Aimophila ruficeps canescens*
Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3
State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

SOUTHERN END OF RIDGE BETWEEN MORO CYN & EMERALD CYN, SAN JOAQUIN HILLS; JUST NW OF LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED AT 2 LOCATIONS DURNG 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T07S, R09W, Sec. 15 (S)
Accuracy: non-specific area
Area (acres): 39
UTM: Zone-11 N3713679 E424995
Latitude/Longitude: 33.56014 / -117.80804
Elevation (feet): 800

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52247	**EO Index:**	52247
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ABPBX91091
Occurrence Number:	99	**Occurrence Last Updated:**	2003-08-25

Scientific Name: *Aimophila ruficeps canescens* **Common Name:** southern California rufous-crowned sparrow

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3

State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed:	2001-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2001-XX-XX	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

EAST SIDE OF MAIN RIDGE BETWEEN MORO CANYON AND EMERALD CANYON, SAN JOAQUIN HILLS; ABOUT 1.2 MI NORTH OF LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURNG 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS:	T07S, R09W, Sec. 14 (S)	**Accuracy:**	1/10 mile	**Area (acres):**	0
UTM:	Zone-11 N3714710 E426088	**Latitude/Longitude:**	33.56951 / -117.79634	**Elevation (feet):**	680

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

HAR01R0001	HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52248
EO Index: 52248
Key Quad: Laguna Beach (3311757)
Element Code: ABPBX91091
Occurrence Number: 100
Occurrence Last Updated: 2003-08-25

Scientific Name: *Aimophila ruficeps canescens*
Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3
State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

EAST SIDE OF EMERALD CANYON, 0.5 MILE NORTH OF LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURNG 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T07S, R09W, Sec. 14 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3713600 E425943
Latitude/Longitude: 33.55949 / -117.79782
Elevation (feet): 300

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52249
EO Index: 52249
Key Quad: Laguna Beach (3311757)
Element Code: ABPBX91091
Occurrence Number: 101
Occurrence Last Updated: 2003-08-25

Scientific Name: *Aimophila ruficeps canescens*
Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3
State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

SOUTHERN EDGE OF RIDGE ON EAST SIDE OF BOAT CANYON, JUST NORTH OF LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURNG 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T07S, R09W, Sec. 23 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3712781 E426746
Latitude/Longitude: 33.55216 / -117.78910
Elevation (feet): 500

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52250
EO Index: 52250
Key Quad: Laguna Beach (3311757)
Element Code: ABPBX91091
Occurrence Number: 102
Occurrence Last Updated: 2003-08-25

Scientific Name: *Aimophila ruficeps canescens*
Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3
State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

WEST SIDE OF EMERALD CANYON, SAN JOAQUIN HILLS; 1.6 MILES NORTH OF LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURNG 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T07S, R09W, Sec. 11 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3715222 E426713
Latitude/Longitude: 33.57417 / -117.78966
Elevation (feet): 600

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52251
EO Index: 52251
Key Quad: Laguna Beach (3311757)
Element Code: ABPBX91091
Occurrence Number: 103
Occurrence Last Updated: 2003-08-25

Scientific Name: *Aimophila ruficeps canescens*
Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3
State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

SOUTH SIDE OF BOAT CANYON, 1 MILE NORTH OF LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURNG 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T07S, R09W, Sec. 14 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3714202 E426900
Latitude/Longitude: 33.56498 / -117.78756
Elevation (feet): 700

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52252
EO Index: 52252
Key Quad: Laguna Beach (3311757)
Element Code: ABPBX91091
Occurrence Number: 104
Occurrence Last Updated: 2003-08-25

Scientific Name: *Aimophila ruficeps canescens*
Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3
State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

JUST WEST OF LAGUNA CANYON ROAD, 0.6 - 1.2 MILES NORTH OF LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED IN 5 LOCATIONS DURNG 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T07S, R09W, Sec. 13 (S)
Accuracy: non-specific area
Area (acres): 100
UTM: Zone-11 N3713635 E427839
Latitude/Longitude: 33.55994 / -117.77740
Elevation (feet): 400

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52572
EO Index: 52572
Key Quad: El Toro (3311766)
Element Code: ABPBX91091
Occurrence Number: 115
Occurrence Last Updated: 2003-09-22

Scientific Name: *Aimophila ruficeps canescens*
Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3
State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed: 2001-03-22
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-03-22
Occurrence Rank: Unknown
Owner/Manager: DOD-EL TORO MCAS
Trend: Unknown
Presence: Presumed Extant

Location:

SOUTHEASTERN PORTION OF EL TORO MARINE CORPS AIR STATION, ABOUT 2.8 MI NE OF THE JUNCTION OF I-5 AND I-405.

Detailed Location:

COMMUNICATION STATION LANDFILL (INSTALLATION RESTORATION PROGRAM, SITE 2).

Ecological:

HABITAT ON PROJECT SITE CONSISTS OF CSS ON THE UPLANDS AND MULE FAT SCRUB (DOMINATED BY MULE FAT AND TREE TOBACCO) IN THE DRAINAGE SYSTEM.

Threats:

General:

1 PAIR OBSERVED SOMETIME DURING CALIFORNIA GNATCATCHER SURVEYS BETWEEN 12 DEC 2000 AND 22 MAR 2001.

PLSS: T06S, R08W, Sec. 03 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3726451 E434892
Latitude/Longitude: 33.67598 / -117.70236
Elevation (feet): 500

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

LIN01U0001 LINCER & ASSOCIATES - PROTOCOL COASTAL CALIFORNIA GNATCATCHER SURVEYS ON SITES 2 AND 17, MCAS EL TORO, ORANGE COUNTY, CALIFORNIA. 2001-06-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52602
EO Index: 52602
Key Quad: El Toro (3311766)
Element Code: ABPBX91091
Occurrence Number: 116
Occurrence Last Updated: 2003-09-23

Scientific Name: *Aimophila ruficeps canescens*
Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3
State: S4

General Habitat:
RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:
FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed: 1999-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1999-XX-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
NORTH OF EL TORO ROAD & JUST EAST OF CANADA ROAD, EAST OF EL TORO MARINE CORPS AIR STATION.

Detailed Location:

Ecological:
ALL STANDS OF COASTAL SAGE SCRUB WERE SURVEYED.

Threats:
PIPELINE ALIGNMENT.

General:
UNKNOWN NUMBER OBSERVED DURING CALIFORNIA GNATCATCHER SURVEYS CONDUCTED FEB - JUL 1999.

PLSS: T06S, R07W, Sec. 07 (S)
Accuracy: 2/5 mile
Area (acres): 0
UTM: Zone-11 N3724763 E438984
Latitude/Longitude: 33.66100 / -117.65810
Elevation (feet): 800

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

BRA99R0001 LAURI, R. & J. SIMONSEN (MICHAEL BRANDMAN ASSOCIATES) - COASTAL CALIFORNIA GNATCATCHER SURVEY REPORT FOR THE LOS ALISOS WATER DISTRICT PIPELINE PROJECT, MISSION VIEJO, CALIFORNIA 1999-09-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	52627	**EO Index:**	52627
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBX91091
Occurrence Number:	117	**Occurrence Last Updated:**	2003-09-24

Scientific Name: *Aimophila ruficeps canescens* **Common Name:** southern California rufous-crowned sparrow

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3

State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed:	2002-03-12	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2002-03-12	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SE OF SERRANO CREEK AND NW OF ALISO CREEK AND EL TORO ROAD; LAKE FOREST, NE OF EL TORO.

Detailed Location:

2000: PULLSITE 22, ALONG DIRT ROAD. 2002: PORTOLA HILLS SITE.

Ecological:

HABITAT CONSISTS OF COASTAL SAGE SCRUB, ANNUAL GRASSLAND, NON-NATIVE GRASSLAND, RIPARIAN AND RUDERAL AREAS. CALIFORNIA SAGEBRUSH AND PRICKLY PEAR DOMINATED COASTAL SAGE SCRUB LOCATED ON SW PORTION OF SITE.

Threats:

General:

BIRDS OBS AT 2 LOCATIONS DURING CAGN SURVEYS CONDUCTED 13 APR - 27 JUN 2000. UNK NUMBER OBS DURING CAGN SURVEYS CONDUCTED 18 FEB - 12 MAR 2002. SOME IMPACTS TO CSS AT PULLSITE 22 - REVEGETATION WILL OCCUR AFTER COMPLETION OF PROJECT.

PLSS:	T06S, R07W, Sec. 05 (S)	**Accuracy:**	non-specific area	**Area (acres):**	359
UTM:	Zone-11 N3726073 E441130	**Latitude/Longitude:**	33.67293 / -117.63505	**Elevation (feet):**	1,000

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

NRC02U0003	BENSON, T. (NATURAL RESOURCE CONSULTANTS) - RESULTS OF FOCUSED COASTAL CALIFORNIA GNATCATCHER SURVEYS ON THE APPROXIMATELY 420-ACRE PORTOLA HILLS SITE, LOCATED IN THE CITY OF LAKE FOREST, ORANGE COUNTY, CALIFORNIA. 2002-08-08
OGD00R0001	OGDEN ENVIRONMENTAL AND ENERGY SERVICES COMPANY - SOUTHERN CALIFORNIA EDISON LOS ANGELES-SAN DIEGO FIBERLINK PROJECT, COASTAL CALIFORNIA GNATCATCHER SURVEY RESULTS. 2000-08-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52636
EO Index: 52636
Key Quad: Santiago Peak (3311765)
Element Code: ABPBX91091
Occurrence Number: 118
Occurrence Last Updated: 2004-03-19

Scientific Name: *Aimophila ruficeps canescens*
Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3
State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed: 2002-04-29
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2002-04-29
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

SADDLE CREST AND SADDLE CREEK SITES, EAST OF ALISO CREEK, SE OF MODJESKA.

Detailed Location:

VICINITY OF 4S RANCH, NORTH TO THE SANTIAGO TRUCK TRAIL AND WEST TO ALISO CREEK. 1997: SADDLE CREEK SURVEYED. 2002: NW HALF SADDLE CREEK, SADDLE CREST SURVEYED.

Ecological:

COASTAL SAGE SCRUB OCCURS ON PORTIONS OF PROJECT SITE. ANNUAL GRASSLAND/SAGEBRUSH SCRUB AND SOUTHERN CACTUS SCRUB LOCATED ON SW PORTION OF SADDLE CREEK.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURING 3 CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BETWEEN 10 JUL AND 15 AUG 1997. UNKNOWN NUMBER OBSERVED DURING 6 CALIFORNIA GNATCATCHER SURVEYS CONDUCTED BETWEEN 15 MAR AND 29 APR 2002.

PLSS: T05S, R07W, Sec. 33 (S)
Accuracy: non-specific area
Area (acres): 552
UTM: Zone-11 N3728169 E442872
Latitude/Longitude: 33.69193 / -117.61638
Elevation (feet): 1,400

County Summary:

Orange

Quad Summary:

Santiago Peak (3311765), El Toro (3311766)

Sources:

LSA97U0001 ERICKSON, R. (LSA ASSOCIATES, INC.) - 4S RANCH CALIFORNIA GNATCATCHER SURVEY 1997-10-14

PCR02U0002 SZABO, K. (PCR SERVICES CORPORATION) - RESULTS OF COASTAL CALIFORNIA GNATCATCHER SURVEYS FOR THE SADDLE CREEK AND SADDLE CREST PROJECTS, ORANGE COUNTY, CALIFORNIA. 2002-06-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	53898	**EO Index:**	53898
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBX91091
Occurrence Number:	130	**Occurrence Last Updated:**	2004-01-12

Scientific Name: *Aimophila ruficeps canescens* **Common Name:** southern California rufous-crowned sparrow

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3

State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed:	2001-07-19	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2001-07-19	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY-ALISO/WOOD CYN RP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALONG ALISO CREEK, APPROX 1.9 MI WNW OF THE INTERSECTION OF I-5 AND NIGUEL ROAD, WNW OF LAGUNA NIGUEL.

Detailed Location:

0.7 MILE SOUTH OF THE INTERSECTION OF ALISO CREEK AND WOOD CANYON.

Ecological:

HABITAT IN AREA CONSISTS OF COASTAL SAGE SCRUB.

Threats:

General:

UNKNOWN NUMBER OBSERVED BETWEEN 2 MAY AND 19 JUL 2001 DURING LEAST BELL'S VIREO/SOUTHWESTERN WILLOW FLYCATCHER SURVEYS.

PLSS:	T07S, R08W, Sec. 29, SW (S)	**Accuracy:**	1/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3710485 E430855	**Latitude/Longitude:**	33.53173 / -117.74466	**Elevation (feet):**	120

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

DUD01U0010 DUDEK & ASSOCIATES, INC. - LEAST BELL'S VIREO & SOUTHWESTERN WILLOW FLYCATCHER SURVEY FOR THE ALISO CREEK EMERGENCY SEWER AND PARKS IMPROVEMENT PROJECT, ORANGE COUNTY, CALIFORNIA 2001-09-10

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53899
EO Index: 53899
Key Quad: San Juan Capistrano (3311756)
Element Code: ABPBX91091
Occurrence Number: 131
Occurrence Last Updated: 2004-01-12

Scientific Name: *Aimophila ruficeps canescens*
Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3
State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed: 2001-07-19
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-07-19
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY-ALISO/WOOD CYN RP
Trend: Unknown
Presence: Presumed Extant

Location:

ALONG ALISO CREEK, APPROX 1.9 MI NW OF THE INTERSECTION OF I-5 AND NIGUEL ROAD, NW OF LAGUNA NIGUEL.

Detailed Location:

JUST SOUTH OF THE INTERSECTION OF ALISO CREEK AND WOOD CANYON.

Ecological:

HABITAT IN AREA CONSISTS OF COASTAL SAGE SCRUB.

Threats:

General:

UNKNOWN NUMBER OBSERVED BETWEEN 2 MAY AND 19 JUL 2001 DURING LEAST BELL'S VIREO/SOUTHWESTERN WILLOW FLYCATCHER SURVEYS.

PLSS: T07S, R08W, Sec. 29, NW (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3711284 E431244
Latitude/Longitude: 33.53895 / -117.74053
Elevation (feet): 120

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

DUD01U0010 DUDEK & ASSOCIATES, INC. - LEAST BELL'S VIREO & SOUTHWESTERN WILLOW FLYCATCHER SURVEY FOR THE ALISO CREEK EMERGENCY SEWER AND PARKS IMPROVEMENT PROJECT, ORANGE COUNTY, CALIFORNIA 2001-09-10

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	54495	**EO Index:**	54495
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBX91091
Occurrence Number:	132	**Occurrence Last Updated:**	2004-02-26

Scientific Name: *Aimophila ruficeps canescens*

Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None

State: None

Rare Plant Rank:

Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3

State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed:	2002-07-17	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2002-07-17	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

CROWN VALLEY COMMUNITY PARK; NORTH OF CROWN VALLEY PARKWAY AND SOUTH OF SULPHUR CREEK RESERVOIR, NORTH LAGUNA NIGUEL.

Detailed Location:

Ecological:

HABITAT CONSISTS OF RIPARIAN WILLOW WOODLAND. 1 EMPIDONAX TRAILLII EXTIMUS PAIR OBSERVED ON 3, 13 JUN 2002. TOXOSTOMA REDIVIVUM OBS IN VICINITY. 1 BROWN-HEADED COWBIRD PAIR OBSERVED DURING ALL SURVEYS.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURING 6 SOUTHWESTERN WILLOW FLYCATCHER SURVEYS CONDUCTED BETWEEN 24 MAY - 17 JUL 2002.

PLSS:	T07S, R08W, Sec. 27, W (S)	**Accuracy:**	non-specific area	**Area (acres):**	44
UTM:	Zone-11 N3710626 E434288	**Latitude/Longitude:**	33.53322 / -117.70770	**Elevation (feet):**	220

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

PCR02U0004 BERKLEY, J. (PCR SERVICES CORPORATION) - RESULTS OF FOCUSED SOUTHWESTERN WILLOW FLYCATCHER SURVEYS FOR THE SULPHUR CREEK PROJECT SITE, ORANGE COUNTY, CALIFORNIA. 2002-08-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 54742
EO Index: 54742
Key Quad: Tustin (3311767)
Element Code: ABPBX91091
Occurrence Number: 133
Occurrence Last Updated: 2004-03-18

Scientific Name: *Aimophila ruficeps canescens*
Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3
State: S4

General Habitat:
RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:
FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed: 2003-05-21
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-05-21
Occurrence Rank: Excellent
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
0.3 MILE DIRECTLY EAST OF LAGUNA RESERVOIR, 3 MILES NW OF LAGUNA HILLS.

Detailed Location:
MAPPED ACCORDING TO GPS COORDINATES/MAP.

Ecological:
HABITAT CONSISTS OF COASTAL SAGE SCRUB. SURROUNDING LAND COMPRISED OF OPEN SPACE.

Threats:

General:
1 BREEDING ADULT DETECTED ON 21 MAY 2003.

PLSS: T06S, R08W, Sec. 19, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3722643 E430157
Latitude/Longitude: 33.64133 / -117.75313
Elevation (feet): 300

County Summary:
Orange

Quad Summary:
Tustin (3311767)

Sources:
GAL03F0021 GALVIN, P. - FIELD SURVEY FORM FOR AIMOPHILA RUFICEPS CANESCENS 2003-05-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 54743
EO Index: 54743
Key Quad: Tustin (3311767)
Element Code: ABPBX91091
Occurrence Number: 134
Occurrence Last Updated: 2004-03-18

Scientific Name: *Aimophila ruficeps canescens*
Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3
State: S4

General Habitat:
RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:
FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed: 2003-05-21
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-05-21
Occurrence Rank: Excellent
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
0.4 MILE SE OF LAGUNA RESERVOIR AND JUST SOUTH OF SAN DIEGO CREEK, 2.7 MILES NW OF LAGUNA HILLS.

Detailed Location:
MAPPED ACCORDING TO GPS COORDINATES/MAP.

Ecological:
HABITAT CONSISTS OF COASTAL SAGE SCRUB. SURROUNDING LAND COMPRISED OF OPEN SPACE.

Threats:

General:
2 BREEDING ADULTS DETECTED ON 21 MAY 2003.

PLSS: T06S, R08W, Sec. 19, E (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3721949 E430238
Latitude/Longitude: 33.63508 / -117.75221
Elevation (feet): 350

County Summary:
Orange

Quad Summary:
Tustin (3311767)

Sources:
GAL03F0021 GALVIN, P. - FIELD SURVEY FORM FOR AIMOPHILA RUFICEPS CANESCENS 2003-05-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B4293	**EO Index:**	117221
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBX91091
Occurrence Number:	235	**Occurrence Last Updated:**	2019-10-23

Scientific Name: *Aimophila ruficeps canescens*

Common Name: southern California rufous-crowned sparrow

Listing Status: **Federal:** None

State: None

Rare Plant Rank:

Other Lists: CDFW_WL-Watch List

CNDDB Element Ranks: **Global:** G5T3

State: S4

General Habitat:

RESIDENT IN SOUTHERN CALIFORNIA COASTAL SAGE SCRUB AND SPARSE MIXED CHAPARRAL.

Micro Habitat:

FREQUENTS RELATIVELY STEEP, OFTEN ROCKY HILLSIDES WITH GRASS AND FORB PATCHES.

Last Date Observed:	2017-06-09	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2017-06-09	**Occurrence Rank:**	Good
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ABOUT 0.4-0.5 MI SE OF SAN JUAN CREEK RD AT PASEO CHRISTINA & 1.3 MI SSW OF CA-74 AT ANTONIO PKWY, SAN JUAN CAPISTRANO.

Detailed Location:

MAPPED TO COORDINATES PROVIDED FOR 2017 DETECTIONS OF PAIRS 1 & 2. EXACT LOCATION OF 2006 DETECTIONS UNKNOWN; SURVEY AREA WAS 483-ACRE WHISPERING HILLS PROJECT SITE SOUTH OF CA-74 AND WEST OF LA PATA AVE.

Ecological:

2006: PROJECT SITE INCLUDED 80 ACRES OF RESTORED SAGEBRUSH SCRUB; NATURE OF "PROJECT" NOT KNOWN. 2017: NORTHEAST-FACING SLOPES WITH CALIFORNIA SAGEBRUSH-BUSH MONKEY FLOWER SCRUB.

Threats:

POSSIBLE DEVELOPMENT (2006). CATTLE GRAZING, OFF-TRAIL USAGE (2017).

General:

DETECTED IN VICINITY DURING GNATCATCHER SURVEYS, 2006. BREEDING PAIRS (OR PRESUMPTIVE BREEDING PAIRS) OBSERVED ON 18 APR & 9 JUN 2017.

PLSS:	T08S, R07W, Sec. 5, SE (S)	**Accuracy:**	specific area	**Area (acres):**	10
UTM:	Zone-11 N3707240 E441400	**Latitude/Longitude:**	33.50309 / -117.63091	**Elevation (feet):**	246

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

AGU17F0008	AGUAYO, J. - FIELD SURVEY FORM FOR AMMODRAMUS SAVANNARUM 2017-04-18
COU06U0002	COUFFER, M. - RESULTS OF FOCUSED PRESENCE/ABSENCE SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER WITHIN THE WHISPERING HILLS PROJECT SITE. 2006-06-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02534	**EO Index:**	26313
Key Quad:	Newport Beach (3311768)	**Element Code:**	ABPBX99015
Occurrence Number:	15	**Occurrence Last Updated:**	2018-08-01

Scientific Name: *Passerculus sandwichensis beldingi* **Common Name:** Belding's savannah sparrow

Listing Status: **Federal:** None **Rare Plant Rank:**

State: Endangered **Other Lists:** USFWS_BCC-Birds of Conservation Concern

CNDDB Element Ranks: **Global:** G5T3

State: S3

General Habitat:

INHABITS COASTAL SALT MARSHES, FROM SANTA BARBARA SOUTH THROUGH SAN DIEGO COUNTY.

Micro Habitat:

NESTS IN SALICORNIA ON AND ABOUT MARGINS OF TIDAL FLATS.

Last Date Observed:	2001-04-08	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2001-04-08	**Occurrence Rank:**	Good
Owner/Manager:	DFG-UPPER NEWPORT BAY ER	**Trend:**	Fluctuating
Presence:	Presumed Extant		

Location:

UPPER NEWPORT BAY, ABOUT 1.4 MI W OF HWY 73 AT UNIVERSITY DR, 1.8 MI S OF HWY 55 AT HWY 73, SANTA ANA HEIGHTS.

Detailed Location:

THE LARGEST CONCENTRATION OF BELDING'S WAS AT THE UPPER END OF THE BAY WHERE THE BIGGEST CONTIGUOUS EXPANSE OF PICKLEWEED IS LOCATED.

Ecological:

111 HA MARSH W/FULL TIDAL ACTION. AMOUNT OF VEGETATION ABOVE HIGHEST TIDES APPEARS TO HAVE INCREASED SINCE 1979-80. SPORADIC SEDIMENT REMOVAL ACTIVITIES IN RESERVE ARE GREATLY DISRUPTIVE.

Threats:

HIGH HUMAN RECREATIONAL USE, TRESPASS, PETS, FERAL CATS, RED FOX.

General:

130 PAIRS ESTIMATED IN 1973. 83 PAIRS ESTIMATED IN 1977. 245 PAIRS ESTIMATED IN 1986. 208 PRS ESTIMATED IN 1989. 196 PRS ESTIMATED IN 1990. 199 PRS ESTIMATED IN 1991; 1 SALVAGED. 252 PRS ESTIMATED IN 1996. 206 PRS ESTIMATED IN 2001.

PLSS:	T06S, R10W, Sec. 23 (S)	**Accuracy:**	non-specific area	**Area (acres):**	562
UTM:	Zone-11 N3722246 E417545	**Latitude/Longitude:**	33.63685 / -117.88909	**Elevation (feet):**	0

County Summary:	**Quad Summary:**
Orange	Tustin (3311767), Newport Beach (3311768)

Sources:

DFG90U0001	CALIFORNIA DEPARTMENT OF FISH & GAME - REGION 3 - DFG R-3 MONTHLY REPORT REGARDING SURVEYS AT UPPER NEWPORT BAY ECOLOGICAL RESERVE FOR BELDING'S SAVANNAH SPARROW. 1990-04-XX
FWS87R0003	U.S. FISH & WILDLIFE SERVICE - A SURVEY OF BELDING'S SAVANNAH SPARROWS IN CALIFORNIA, 1986. 1987-01-XX
HOL93U0001	HOLMGREN, M. - UCSB VERTEBRATE MUSEUM LOG SHEET FOR SPECIMENS RECEIVED 1991-1993 1993-XX-XX
JAM91R0001	JAMES, R. & D. STADTLANDER (U.S. FISH AND WILDLIFE SERVICE) - A SURVEY OF THE BELDING'S SAVANNAH SPARROW (PASSERCULUS SANDWICHENSIS BELDINGI) IN CALIFORNIA, 1991. 1991-11-XX
MAS77R0001	MASSEY, B.W. - A CENSUS OF THE BREEDING POPULATION OF THE BELDING'S SAVANNAH SPARROW IN CALIFORNIA. DEPT. OF FISH & GAME. 1977-XX-XX
ZEM02R0001	ZEMBAL, R. & S. HOFFMAN - A SURVEY OF THE BELDING'S SAVANNAH SPARROW (PASSERCULUS SANDWICHENSIS BELDINGI) IN CALIFORNIA, 2001. 2002-06-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B0263
EO Index: 112120
Key Quad: Laguna Beach (3311757)
Element Code: ABPBX99015
Occurrence Number: 46
Occurrence Last Updated: 2018-08-06

Scientific Name: *Passerculus sandwichensis beldingi*
Common Name: Belding's savannah sparrow

Listing Status: **Federal:** None
State: Endangered
Rare Plant Rank:
Other Lists: USFWS_BCC-Birds of Conservation Concern

CNDDB Element Ranks: **Global:** G5T3
State: S3

General Habitat:
INHABITS COASTAL SALT MARSHES, FROM SANTA BARBARA SOUTH THROUGH SAN DIEGO COUNTY.

Micro Habitat:
NESTS IN SALICORNIA ON AND ABOUT MARGINS OF TIDAL FLATS.

Last Date Observed: 2006-04-22
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2006-04-22
Occurrence Rank: Good
Owner/Manager: ORA COUNTY, CITY OF IRVINE
Trend: Unknown
Presence: Presumed Extant

Location:
ABOUT 1.4 MI S OF HWY 133 AT LAGUNA CANYON RD, 2.1 MI N OF HWY 73 AT HWY 133, SE OF IRVINE.

Detailed Location:
MAPPED TO THE PROVIDED COORDINATES.

Ecological:
ROLLING GRASSLANDS WITH SCATTERED COASTAL SAGE SCRUB, MULEFAT SCRUB, WILLOW-RIPARIAN FOREST, AND OAK WOODLAND. SURROUNDING AREA WAS DESIGNATED OPEN SPACE AND RESIDENTIAL.

Threats:
ROAD ACTIVITY AND DEVELOPMENT.

General:
INDIVIDUALS WERE OBSERVED ON SEVERAL OCCASIONS DURING WEEKLY MITIGATION MONITORING FROM MARCH 17 THROUGH SEPTEMBER 2006. FIRST OBSERVED ON 2 APR WITH 8 INDIVIDUALS; 6 OBSERVED ON 7 APR; AND 1 OBSERVED ON 22 APR, 2006.

PLSS: T06S, R08W, Sec. 30, NW (S)
Accuracy: 1/5 mile
Area (acres): 70
UTM: Zone-11 N3720597 E429348
Latitude/Longitude: 33.62282 / -117.76171
Elevation (feet): 455

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757), Tustin (3311767)

Sources:
BAR06F0013 BARONI, I. (LSA ASSOCIATES, INC.) - FIELD SURVEY FORM FOR PASSERCULUS SANDWICHENSIS BELDINGI 2006-04-02

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 69689
EO Index: 70474
Key Quad: El Toro (3311766)
Element Code: ABPBXA0020
Occurrence Number: 12
Occurrence Last Updated: 2007-07-26

Scientific Name: *Ammodramus savannarum*
Common Name: grasshopper sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5
State: S3

General Habitat:

DENSE GRASSLANDS ON ROLLING HILLS, LOWLAND PLAINS, IN VALLEYS AND ON HILLSIDES ON LOWER MOUNTAIN SLOPES.

Micro Habitat:

FAVORS NATIVE GRASSLANDS WITH A MIX OF GRASSES, FORBS AND SCATTERED SHRUBS. LOOSELY COLONIAL WHEN NESTING.

Last Date Observed: 2003-05-20
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-05-20
Occurrence Rank: Good
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

EAST OF LAGUNA CANYON ROAD, WEST OF I-405, AND SOUTH OF LAGUNA RESERVOIR, NW OF LAGUNA HILLS.

Detailed Location:

OBSERVATIONS WERE MADE IN 5 DISTINCT LOCATIONS.

Ecological:

HABITAT CONSISTS OF NATIVE AND NON-NATIVE GRASSLANDS.

Threats:

General:

A TOTAL OF 17 WERE OBSERVED FROM 5 DISTINCT LOCATIONS ON 20 MAY 2003.

PLSS: T06S, R08W, Sec. 19 (S)
Accuracy: specific area
Area (acres): 29
UTM: Zone-11 N3721803 E430611
Latitude/Longitude: 33.63379 / -117.74818
Elevation (feet): 450

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756), El Toro (3311766), Tustin (3311767)

Sources:

GAL03F0041 GALVIN, P. (HARMSWORTH ASSOCIATES) - FIELD SURVEY FORM FOR AMMODRAMUS SAVANNARUM 2003-05-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 69690
EO Index: 70475
Key Quad: Tustin (3311767)
Element Code: ABPBXA0020
Occurrence Number: 13
Occurrence Last Updated: 2007-07-26

Scientific Name: *Ammodramus savannarum*
Common Name: grasshopper sparrow

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5
State: S3

General Habitat:

DENSE GRASSLANDS ON ROLLING HILLS, LOWLAND PLAINS, IN VALLEYS AND ON HILLSIDES ON LOWER MOUNTAIN SLOPES.

Micro Habitat:

FAVORS NATIVE GRASSLANDS WITH A MIX OF GRASSES, FORBS AND SCATTERED SHRUBS. LOOSELY COLONIAL WHEN NESTING.

Last Date Observed: 2003-07-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-07-05
Occurrence Rank: Good
Owner/Manager: UC-IRVINE
Trend: Unknown
Presence: Presumed Extant

Location:

0.35 MILE SE OF THE INTERSECTION OF MCARTHUR BOULEVARD & JAMBOREE BOULEVARD, NORTH OF SAN DIEGO CREEK, NEWPORT BEACH.

Detailed Location:

Ecological:

HABITAT CONSISTS OF COASTAL SAGE SCRUB.

Threats:

General:

1 ADULT OBSERVED ON 5 JUL 2003.

PLSS: T06S, R09W, Sec. 18 (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3724255 E420540
Latitude/Longitude: 33.65520 / -117.85697
Elevation (feet): 45

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

GAL03F0042 GALVIN, P. (HARMSWORTH ASSOCIATES) - FIELD SURVEY FORM FOR AMMODRAMUS SAVANNARUM 2003-07-05

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	99764	**EO Index:**	101309
Key Quad:	El Toro (3311766)	**Element Code:**	ABPBXB0020
Occurrence Number:	783	**Occurrence Last Updated:**	2016-05-09

Scientific Name: *Agelaius tricolor*

Common Name: tricolored blackbird

Listing Status:
Federal: None
State: Threatened

Rare Plant Rank:

CNDDB Element Ranks:
Global: G1G2
State: S2

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_EN-Endangered
USFWS_BCC-Birds of Conservation Concern

General Habitat:

HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY AND VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

Micro Habitat:

REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, AND FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

Last Date Observed:	1988-05-26	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1988-06-09	**Occurrence Rank:**	None
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Extirpated		

Location:

ABOUT 2 MI NE OF I-15 & EL TORO RD INTERSECTION, 3.5 MI ESE OF I-15 & I-405 INTERCHANGE, EL TORO.

Detailed Location:

1988 LOCATION DESCRIBED ONLY AS A STOCK POND "NEAR EL TORO, CALIFORNIA." COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "EL TORO." EXACT LOCATION UNKNOWN. EL TORO RESERVOIR LOCATED IN THE VICINITY.

Ecological:

HABITAT IN 1988 DESCRIBED AS A STOCK POND SURROUNDED BY DRYLAND BARLEY. NESTING SUBSTRATE CONSISTED OF BULRUSH. HABITAT GONE DUE TO DEVELOPMENT BY 2014.

Threats:

POSSIBLE THREAT DUE TO DEVELOPMENT (1988). HABITAT REMOVED BY 2014 SURVEY.

General:

10 PAIRS OBSERVED ON 4-26 MAY AND 7-9 JUN 1988; ADULTS OBSERVED FEEDING YOUNG IN MAY. 0 BIRDS OBSERVED ON 18 APR 2014; UNCLEAR IF THE MAPPED AREA WAS SURVEYED.

PLSS:	T06S, R08W, Sec. 23 (S)	**Accuracy:**	1 mile	**Area (acres):**	1,987
UTM:	Zone-11 N3721460 E437100	**Latitude/Longitude:**	33.6311 / -117.6782	**Elevation (feet):**	468

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), El Toro (3311766)

Sources:

BEE91R0001	BEEDY, E.C., S.D. SANDERS & D. BLOOM - BREEDING STATUS, DISTRIBURTION, AND HABITAT ASSOCIATIONS OF THE TRICOLORED BLACKBIRD (AGELAIUS TRICOLOR), 1850-1989. 1991-06-XX
TRI14D0001	TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	99770	**EO Index:**	101315
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBXB0020
Occurrence Number:	784	**Occurrence Last Updated:**	2016-04-26

Scientific Name: *Agelaius tricolor*

Common Name: tricolored blackbird

Listing Status: **Federal:** None

State: Threatened

CNDDB Element Ranks: **Global:** G1G2

State: S2

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_EN-Endangered
USFWS_BCC-Birds of Conservation Concern

General Habitat:

HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY AND VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

Micro Habitat:

REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, AND FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

Last Date Observed:	1987-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2014-04-20	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

JUST N OF RIDGE ROUTE DR & MOULTON PKWY INTERSECTION, 0.75 MI SW OF I-5 & LAKE FOREST DR INTERSECTION, VEEH RESERVOIR.

Detailed Location:

1986-87 LOCATION DESCRIBED AS LAGUNA HILLS; VEEH RESERVOIR. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "VEEH RESERVOIR." FURTHER RESEARCH NEEDED TO DETERMINE FINAL STATUS OF COLONY AND HABITAT SUITABILITY.

Ecological:

HABITAT COMPOSED OF BULRUSH, WILLOWS, AND EUCALYPTUS TREES. AREA SURROUNDED BY OFFICE BUILDINGS AND ROADS.

Threats:

General:

A COLONY OF ABOUT 100+ INDIVIDUALS OBSERVED YEAR ROUND SOMETIME BETWEEN 1986-1987 (WILLICK, PERS. COMM.). BIRDS NOTED AS HAVING BEEN PRESENT FOR 2-3 YEARS PRIOR, POSSIBLY A NESTING COLONY BUT NOT CONFIRMED. 0 BIRDS OBSERVED ON 20 APR 2014.

PLSS:	T06S, R08W, Sec. 29, NE (S)	**Accuracy:**	non-specific area	**Area (acres):**	40
UTM:	Zone-11 N3720602 E432122	**Latitude/Longitude:**	33.62305 / -117.7318	**Elevation (feet):**	280

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), El Toro (3311766)

Sources:

BEE91R0001	BEEDY, E.C., S.D. SANDERS & D. BLOOM - BREEDING STATUS, DISTRIBURTION, AND HABITAT ASSOCIATIONS OF THE TRICOLORED BLACKBIRD (AGELAIUS TRICOLOR), 1850-1989. 1991-06-XX
TRI14D0001	TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	99774	**EO Index:**	101319
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBXB0020
Occurrence Number:	785	**Occurrence Last Updated:**	2016-05-09

Scientific Name: *Agelaius tricolor*

Common Name: tricolored blackbird

Listing Status: **Federal:** None

State: Threatened

CNDDB Element Ranks: **Global:** G1G2

State: S2

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_EN-Endangered
USFWS_BCC-Birds of Conservation Concern

General Habitat:

HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY AND VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

Micro Habitat:

REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, AND FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

Last Date Observed:	1999-04-19	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2014-04-19	**Occurrence Rank:**	None
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Possibly Extirpated		

Location:

JUST S OF I-5 & JEFFREY RD INTERSECTION, 1.9 MI NNW OF I-405 & HWY 133 INTERCHANGE, EAST IRVINE.

Detailed Location:

COLONY DATA STORED IN THE UC DAVIS TRBL PORTAL; SITE NAME WAS "INTERSTATE 5 AT SAND CANYON AVENUE." 1999 LOCATION DESCRIBED AS "WEST OF SAND CANYON ROAD X INTERSTATE 5," AND THEREFORE FEATURE WAS MAPPED TO AREA JUST W OF INTERSECTION.

Ecological:

1999 COLONY FLYING TO & FROM A PATCH OF THISTLES. DURING 2014 SURVEY, SITE NOTED AS DEVELOPED BY INDUSTRIAL BUILDINGS & ADJACENT TO THE IRVINE DOG PARK. NO SUITABLE HABITAT, NO WATER SOURCE & NO BIRDS OBSERVED AT SITE.

Threats:

DEVELOPMENT REMOVED FORAGING AND NESTING HABITAT IN AREA.

General:

A NEAR CONSTANT FLOW OF AT LEAST 100 TRICOLORED BLACKBIRDS WITH FOOD/NESTING MATERIAL OBSERVED ON 19 APR 1999; PRESUMED NESTING. 0 BIRDS OBSERVED ON 19 APR 2014.

PLSS:	T06S, R09W, Sec. 1 (S)	**Accuracy:**	3/5 mile	**Area (acres):**	776
UTM:	Zone-11 N3726819 E428792	**Latitude/Longitude:**	33.6789 / -117.7682	**Elevation (feet):**	168

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

DFG04U0002	CALIFORNIA DEPARTMENT OF FISH & GAME - TRICOLORED BLACKBIRD BREEDING OBSERVATIONS 1980-2000, BIOS DS20. 2004-XX-XX
ERI99U0001	ERICKSON, R. - EMAIL CONVERSATION REGARDING MOUNTAIN PLOVER AND TRICOLORED BLACKBIRD DETECTIONS 1999-06-22
TRI14D0001	TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	99785	**EO Index:**	101329
Key Quad:	Tustin (3311767)	**Element Code:**	ABPBXB0020
Occurrence Number:	786	**Occurrence Last Updated:**	2016-05-09

Scientific Name: *Agelaius tricolor*

Common Name: tricolored blackbird

Listing Status: **Federal:** None

State: Threatened

CNDDB Element Ranks: **Global:** G1G2

State: S2

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_EN-Endangered
USFWS_BCC-Birds of Conservation Concern

General Habitat:

HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY AND VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

Micro Habitat:

REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, AND FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

Last Date Observed:	2014-04-19	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2014-04-19	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT-IRVINE CO	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

JUST W OF I-405 & SAND CANYON AVE INTERSECTION, 0.9 MI ESE OF I-405 & UNIVERSITY DR INTERSECTION, IRVINE.

Detailed Location:

COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME OF NESTING COLONY WAS "SAND CANYON QUAIL HILL PRESERVE" ON THE W SIDE OF SHADY CANYON AVE. ADDITIONAL BIRDS OBSERVED ABOUT 0.25 MI ESE ACROSS THE STREET.

Ecological:

HABITAT COMPOSED OF THISTLE & MUSTARD. ADDITIONAL BIRDS OBSERVED AT THE "SAND CANYON" COLONY ON THE E SIDE OF SHADY CANYON AVE: 40 BIRDS OBSERVED ON 21 APR 2000. 0 OBSERVED ON 19 APR 2014. NO EVIDENCE OF NESTING.

Threats:

DEVELOPMENT.

General:

ABOUT 300 BIRDS OBSERVED ON 22 APR 2000; SOME SINGING & ADULTS CARRYING FOOD. 14 REPORTED AS CARRYING NEST MATERIAL ON 3 JUN 2005 IN "SAND CANYON." ABOUT 14 BIRDS OBSERVED ON 19 APR 2014; 1 FEMALE OBSERVED CARRYING NEST MATERIAL.

PLSS:	T06S, R09W, Sec. 13, NW (S)	**Accuracy:**	1/5 mile	**Area (acres):**	70
UTM:	Zone-11 N3724343 E427688	**Latitude/Longitude:**	33.6565 / -117.7799	**Elevation (feet):**	157

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

DFG04U0002	CALIFORNIA DEPARTMENT OF FISH & GAME - TRICOLORED BLACKBIRD BREEDING OBSERVATIONS 1980-2000, BIOS DS20. 2004-XX-XX
ERI00F0001	ERICKSON, R. - FIELD SURVEY FORM FOR AGELAIUS TRICOLOR 2000-04-22
TRI14D0001	TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	99814	**EO Index:**	101361
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ABPBXB0020
Occurrence Number:	789	**Occurrence Last Updated:**	2016-05-10

Scientific Name: *Agelaius tricolor*

Common Name: tricolored blackbird

Listing Status: **Federal:** None

State: Threatened

CNDDB Element Ranks: **Global:** G1G2

State: S2

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_EN-Endangered
USFWS_BCC-Birds of Conservation Concern

General Habitat:

HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY AND VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

Micro Habitat:

REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, AND FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

Last Date Observed:	1997-04-21	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2014-04-20	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

JUST W OF RANCHO NIGUEL RD & LA PAZ RD INTERSECTION, 1 MI SE OF ALICIA PKWY & ALISO CREEK RD INTXN, SW OF GAVILAN.

Detailed Location:

MAPPED ACCORDING TO PROVIDED COORDS & LOC DESCRIPTION OF "SULPHUR CREEK RESERVOIR, AT LAGUNA NIGUEL REGIONAL PARK, 1.25 MI N OF CROWN VALLEY PKWY." DATA STORED IN UCD TRBL PORTAL; SITE NAME WAS "LAGUNA NIGUEL REGIONAL PARK-CENTRAL ISLAND."

Ecological:

HABITAT COMPOSED OF BULRUSH, CATTAILS, AND GIANT REED. HABITAT AROUND RESERVOIR CONSIDERED GOOD IN 1999. RESERVOIR HAS A SMALL ISLAND IN THE MIDDLE.

Threats:

General:

AN ESTIMATED 1000 BIRDS OBSERVED ON 30 APR 1994; ADULTS CARRYING FOOD. 31 BIRDS OBS ON 21 APR 1997; BIRDS SINGING, POSSIBLY NESTING. 6 NON-NESTING BIRDS OBS ON 28 APR 1999. 150 OBS ON 21 APR 2000; NESTING UNKNOWN. 0 OBS ON 20 APR 2014.

PLSS:	T07S, R08W, Sec. 22, SW (S)	**Accuracy:**	non-specific area	**Area (acres):**	86
UTM:	Zone-11 N3712036 E434509	**Latitude/Longitude:**	33.54595 / -117.70543	**Elevation (feet):**	190

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

BOW97F0003	BOWIEN & HAMILTON - FIELD SURVEY FORM FOR AGELAIUS TRICOLOR 1997-04-21
DFG04U0002	CALIFORNIA DEPARTMENT OF FISH & GAME - TRICOLORED BLACKBIRD BREEDING OBSERVATIONS 1980-2000, BIOS DS20. 2004-XX-XX
GIL99F0010	GILES, T. - FIELD SURVEY FORM FOR AGELAIUS TRICOLOR 1999-04-28
GRE94F0006	GREY, R. - FIELD SURVEY FORM FOR AGELAIUS TRICOLOR 1994-04-30
TRI14D0001	TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 99800
Key Quad: Laguna Beach (3311757)
Occurrence Number: 798
EO Index: 101344
Element Code: ABPBXB0020
Occurrence Last Updated: 2016-04-27

Scientific Name: *Agelaius tricolor*
Common Name: tricolored blackbird

Listing Status: **Federal:** None
State: Threatened
CNDDB Element Ranks: **Global:** G1G2
State: S2
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_EN-Endangered
USFWS_BCC-Birds of Conservation Concern

General Habitat:

HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY AND VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

Micro Habitat:

REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, AND FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

Last Date Observed: 1936-05-10
Last Survey Date: 1936-05-10
Owner/Manager: UNKNOWN
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

VICINITY OF LAGUNA BEACH, 6.5 MI NNW OF DANA POINT, SW OF NEWPORT BEACH.

Detailed Location:

1936 LOCATION DESCRIBED ONLY AS "NEAR LAGUNA BEACH." EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS TO GENERAL AREA OF LAGUNA BEACH. COULD NOT LOCATE A HISTORICAL LOCATION FOR A SWAMP. UNCLEAR IF 2014 SURVEY WAS THE SAME SITE AS 1936 SURVEY.

Ecological:

HABITAT IN 1936 DESCRIBED AS CATTAILS AROUND A SWAMP. COLONY DATA STORED IN THE UC DAVIS TRICOLORED BLACKBIRD PORTAL; SITE NAME WAS "LAGUNA BEACH." PRESUMED EXTIRPATED BY BEEDY (1991).

Threats:

General:

ABOUT 250 NESTS DETECTED ON 10 MAY 1936 (NEFF 1937). 0 OBSERVED ON 20 APR 2014.

PLSS: T07S, R09W, Sec. 25 (S)
Accuracy: 1 mile
Area (acres): 1,987
UTM: Zone-11 N3711433 E428111
Latitude/Longitude: 33.5401 / -117.7743
Elevation (feet): 100

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

BEE91R0001	BEEDY, E.C., S.D. SANDERS & D. BLOOM - BREEDING STATUS, DISTRIBURTION, AND HABITAT ASSOCIATIONS OF THE TRICOLORED BLACKBIRD (AGELAIUS TRICOLOR), 1850-1989. 1991-06-XX
NEF37R0001	NEFF, J.A. - DISTRIBUTION OF THE TRICOLORED RED WING. THE CONDOR 39(2):61-81. 1937-03-XX
TRI14D0001	TRICOLORED BLACKBIRD PORTAL - ICE (UNIVERSITY OF CALIFORNIA, DAVIS) - 1907-2014 TRICOLORED BLACKBIRD RECORDS FROM UC DAVIS TRICOLORED BLACKBIRD PORTAL, INFORMATION CENTER FOR THE ENVIRONMENT (ICE) 2014-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B0470	**EO Index:**	112335
Key Quad:	Dana Point (3311746)	**Element Code:**	AFCHA0209J
Occurrence Number:	17	**Occurrence Last Updated:**	2018-09-11

Scientific Name: *Oncorhynchus mykiss irideus pop. 10*

Common Name: steelhead - southern California DPS

Listing Status: **Federal:** Endangered

State: Candidate Endangered

Rare Plant Rank:

Other Lists: AFS_EN-Endangered

CNDDB Element Ranks: **Global:** G5T1Q

State: S1

General Habitat:

FEDERAL LISTING REFERS TO POPULATIONS FROM SANTA MARIA RIVER SOUTH TO SOUTHERN EXTENT OF RANGE (SAN MATEO CREEK IN SAN DIEGO COUNTY).

Micro Habitat:

SOUTHERN STEELHEAD LIKELY HAVE GREATER PHYSIOLOGICAL TOLERANCES TO WARMER WATER AND MORE VARIABLE CONDITIONS.

Last Date Observed:	2008-03-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2016-04-12	**Occurrence Rank:**	Poor
Owner/Manager:	UNKNOWN, DPR	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAN JUAN CREEK AND TRABUCO CREEK (ARROYO TRABUCO), FROM THE PACIFIC OCEAN TO I-5.

Detailed Location:

MAPPED TO DOWNSTREAM-MOST BARRIERS TO ANADROMY, I-5 CROSSINGS. TROUT IN TRIBS ABOVE BARRIERS (HOT SPRINGS CYN; FALLS, TRABUCO & HOLY JIM CREEKS) ARE NATIVE RESIDENTS OR DESCENDENTS OF HATCHERY STOCK, BUT MAY BE IMPORTANT TO SURVIVAL OF DPS.

Ecological:

HISTORICAL STEELHEAD RUN. STOCKED W/ RAINBOWS BACK TO 1941. HEADWATERS ARE STILL GOOD HABITAT & SUPPORT RAINBOW TROUT (2008, 2012). 2006 & '16 DNA STUDIES: TRABUCO CK TROUT ABOVE & BELOW BARRIERS CLOSELY RELATED TO KAMLOOPS HATCHERY STRAIN.

Threats:

SEDIMENTATION, WATER PUMPING & DIVERSION, INVASIVE SPECIES, CHANNELIZATION, MANMADE BARRIERS, INTROGRESSION.

General:

COLLECTED, 1939. ADULTS & JUVS/RESIDENTS OBSERVED IN 1946. OBS IN LOWER TRABUCO, 2006. ADULT STEELHEAD OBS IN LOWER SAN JUAN/ESTUARY, MAR 2007 & FEB & MAR 2008. 0 IN VISUAL SURVEY NEAR MOUTH OF SAN JUAN, APR 2016.

PLSS:	T08S, R08W, Sec. 12 (S)	**Accuracy:**	non-specific area	**Area (acres):**	440
UTM:	Zone-11 N3705757 E438131	**Latitude/Longitude:**	33.48953 / -117.66599	**Elevation (feet):**	49

County Summary:	**Quad Summary:**
Orange	Dana Point (3311746), San Juan Capistrano (3311756)

Sources:

ABA16A0001	ABADIA-CARDOSO, A. ET AL. - POPULATION GENETIC STRUCTURE AND ANCESTRY OF STEELHEAD/RAINBOW TROUT (ONCORHYNCHUS MYKISS) AT THE EXTREME SOUTHERN EDGE OF THEIR RANGE IN NORTH AMERICA 2016-01-21
BEC08R0001	BECKER, G. & I. REINING - STEELHEAD/RAINBOW TROUT (ONCORHYNCHUS MYKISS) RESOURCES SOUTH OF THE GOLDEN GATE, CALIFORNIA 2008-10-XX
DAG18D0001	DAGIT, R. - AQUATIC SURVEYS RESULTS FROM THE RESOURCE CONSERVATION DISTRICT OF THE SANTA MONICA MOUNTAINS, 2000-2018 2018-05-30
GILNDU0001	GILKESON, J. - A STORY OF RECOVERY: BRINGING BACK THE SOUTHERN CALIFORNIA STEELHEAD. 201X-XX-XX
GIR06R0001	GIRMAN, D. & J. GARZA - POPULATION STRUCTURE AND ANCESTRY OF O. MYKISS POPULATIONS IN SOUTH-CENTRAL CALIFORNIA BASED ON GENETIC ANALYSIS OF MICROSATELLITE DATA 2006-04-XX
SHA06U0004	SHANNON, C. - MEMORANDUM AND EMAILS REGARDING STEELHEAD SIGHTINGS IN SAN MATEO AND TRABUCO CREEKS. 2006-05-08
TIT02R0001	TITUS, R. ET AL. - HISTORY AND STATUS OF STEELHEAD IN CALIFORNIA COASTAL DRAINAGES SOUTH OF SAN FRANCISCO BAY (IN PREPARATION). 295 PP. 2002-XX-XX
USFNDD0002	U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B0498	**EO Index:**	112361
Key Quad:	Anaheim (3311778)	**Element Code:**	AFCHA0209J
Occurrence Number:	18	**Occurrence Last Updated:**	2018-09-12

Scientific Name: *Oncorhynchus mykiss irideus pop. 10*

Common Name: steelhead - southern California DPS

Listing Status: **Federal:** Endangered

State: Candidate Endangered

Rare Plant Rank:

Other Lists: AFS_EN-Endangered

CNDDB Element Ranks: **Global:** G5T1Q

State: S1

General Habitat:

FEDERAL LISTING REFERS TO POPULATIONS FROM SANTA MARIA RIVER SOUTH TO SOUTHERN EXTENT OF RANGE (SAN MATEO CREEK IN SAN DIEGO COUNTY).

Micro Habitat:

SOUTHERN STEELHEAD LIKELY HAVE GREATER PHYSIOLOGICAL TOLERANCES TO WARMER WATER AND MORE VARIABLE CONDITIONS.

Last Date Observed:	1950-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2013-XX-XX	**Occurrence Rank:**	None
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Possibly Extirpated		

Location:

SANTA ANA RIVER AND TRIBUTARIES.

Detailed Location:

HISTORIC EXTENT UNKNOWN. MAPPED TO INCLUDE HARDING & COLDWATER CREEKS, TRIBS SUPPORTING TROUT W/ SIGNIFICANT NATIVE ANCESTRY PER 2006 & 2016 DNA STUDIES; & BEAR CK, W/ "REMNANTS OF NATIVE ANCESTRY." PRADO DAM IS IMPASSIBLE BARRIER AT RM 31.

Ecological:

LOWER RIVER DEGRADED. STOCKED SINCE THE 1930S. RESIDENT TROUT PERSIST IN UPPER TRIBUTARIES. DNA STUDIES SHOWED THAT TROUT FROM HARDING CANYON (2006 STUDY) & COLDWATER CREEK (2016) RETAINED SIGNIFICANT COASTAL STEELHEAD ANCESTRY.

Threats:

DAMS, CHANNELIZATION, DEVELOPMENT, DIVERSION, SEDIMENTATION, INTROGRESSION.

General:

"GOOD" STEELHEAD RUN REPORTED IN 1950. NONE FOUND IN DFG SURVEYS OF MAINSTEM BELOW PRADO DAM, 1951 & '55. STEELHEAD RUN PRESUMED EXTIRPATED BY 1957. RESIDENT TROUT PERSIST IN HEADWATERS (EG. IN 2001, 2009-13) & MAY BE CRITICAL TO RECOVERY.

PLSS:	T05S, R10W, Sec. 2 (S)	**Accuracy:**	non-specific area	**Area (acres):**	18,320
UTM:	Zone-11 N3736754 E417243	**Latitude/Longitude:**	33.76767 / -117.89371	**Elevation (feet):**	108

County Summary:

Orange, Riverside, San Bernardino

Quad Summary:

Alberhill (3311764), Santiago Peak (3311765), El Toro (3311766), Newport Beach (3311768), Lake Mathews (3311774), Corona South (3311775), Black Star Canyon (3311776), Orange (3311777), Anaheim (3311778), Riverside West (3311784), Corona North (3311785), Prado Dam (3311786), Moonridge (3411627), Big Bear Lake (3411628), Yucaipa (3411711), Redlands (3411712), San Bernardino South (3411713), Fontana (3411714), Keller Peak (3411721)

Sources:

ABA16A0001	ABADIA-CARDOSO, A. ET AL. - POPULATION GENETIC STRUCTURE AND ANCESTRY OF STEELHEAD/RAINBOW TROUT (ONCORHYNCHUS MYKISS) AT THE EXTREME SOUTHERN EDGE OF THEIR RANGE IN NORTH AMERICA 2016-01-21
BEC08R0001	BECKER, G. & I. REINING - STEELHEAD/RAINBOW TROUT (ONCORHYNCHUS MYKISS) RESOURCES SOUTH OF THE GOLDEN GATE, CALIFORNIA 2008-10-XX
GIR06R0001	GIRMAN, D. & J. GARZA - POPULATION STRUCTURE AND ANCESTRY OF O. MYKISS POPULATIONS IN SOUTH-CENTRAL CALIFORNIA BASED ON GENETIC ANALYSIS OF MICROSATELLITE DATA 2006-04-XX
JAC14A0001	JACOBSON, S. ET AL. - GENETIC ANALYSIS 2014-03-31
TIT02R0001	TITUS, R. ET AL. - HISTORY AND STATUS OF STEELHEAD IN CALIFORNIA COASTAL DRAINAGES SOUTH OF SAN FRANCISCO BAY (IN PREPARATION). 295 PP. 2002-XX-XX
USFNDD0002	U.S. FOREST SERVICE-REGION 5 - NATURAL RESOURCE INFORMATION SYSTEM (NRIS) ANIMAL RECORDS FROM CALIFORNIA NATIONAL FORESTS XXXX-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B0504	**EO Index:**	112368
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	AFCHA0209J
Occurrence Number:	19	**Occurrence Last Updated:**	2019-04-11

Scientific Name: *Oncorhynchus mykiss irideus pop. 10*

Common Name: steelhead - southern California DPS

Listing Status: **Federal:** Endangered

State: Candidate Endangered

Rare Plant Rank:

Other Lists: AFS_EN-Endangered

CNDDB Element Ranks: **Global:** G5T1Q

State: S1

General Habitat:

FEDERAL LISTING REFERS TO POPULATIONS FROM SANTA MARIA RIVER SOUTH TO SOUTHERN EXTENT OF RANGE (SAN MATEO CREEK IN SAN DIEGO COUNTY).

Micro Habitat:

SOUTHERN STEELHEAD LIKELY HAVE GREATER PHYSIOLOGICAL TOLERANCES TO WARMER WATER AND MORE VARIABLE CONDITIONS.

Last Date Observed:	1972-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	20XX-XX-XX	**Occurrence Rank:**	None
Owner/Manager:	ORA COUNTY, UNKNOWN	**Trend:**	Unknown
Presence:	Extirpated		

Location:

ALISO CREEK.

Detailed Location:

HISTORIC EXTENT IN WATERSHED UNKNOWN; MAPPED TO ENTIRE MAINSTEM ALISO CREEK. FISH PASSAGE BARRIERS EXIST ABOVE LAGOON, IN ALISO-WOOD CANYON WILDERNESS PARK, & AT ALISO CREEK RD; SO CURRENT EXTENT AVAILABLE TO MIGRATION IS MUCH REDUCED.

Ecological:

SINCE THE 1960S, DEVELOPMENT IMPACTS HAVE DEGRADED HABITAT AND WATER QUALITY IN THE CREEK; IT WAS A 303(D) LISTED STREAM AS OF 2009. RESTORATION EFFORTS HAVE BEEN INITIATED AS OF 2017.

Threats:

PRIMARY THREAT IS POLLUTED URBAN RUNOFF. DEVELOPMENT, CHANNELIZATION, EROSION, SEDIMENTATION, BARRIERS TO FISH PASSAGE.

General:

STEELHEAD REPORTEDLY FISHED FROM THIS STREAM IN 1950S & 1960S, WITH THE LAST SIGHTING IN 1972. ANECDOTALLY, AN ANGLER & GUIDE OBSERVED SIX PAIRS OF SPAWNING STEELHEAD IN LOWER ALISO CREEK IN 1993. PRESUMED EXTIRPATED.

PLSS:	T07S, R08W, Sec. 29 (S)	**Accuracy:**	non-specific area	**Area (acres):**	2,319
UTM:	Zone-11 N3711388 E431532	**Latitude/Longitude:**	33.53991 / -117.73745	**Elevation (feet):**	71

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), Laguna Beach (3311757), Santiago Peak (3311765), El Toro (3311766)

Sources:

ANO09U0005	ANONYMOUS (REGIONAL WATER QUALITY CONTROL BOARD) - EXECUTIVE OFFICER SUMMARY REPORT AND SUPPORTING DOCUMENTS. STATE OF CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD SAN DIEGO REGION 2009-04-08
BEC08R0001	BECKER, G. & I. REINING - STEELHEAD/RAINBOW TROUT (ONCORHYNCHUS MYKISS) RESOURCES SOUTH OF THE GOLDEN GATE, CALIFORNIA 2008-10-XX
SEL19U0001	SELBY, F. & M. LARSON - EMAIL REGARDING STEELHEAD AT ALISO CREEK WITH HAND WRITTEN ACCOUNT OF FISHING ALISO CREEK FROM THE 1950S TO 1990S BY FISHING GUIDE F. SELBY. 2019-03-XX
USA17R0001	U.S. ARMY CORPS OF ENGINEERS - ALISO CREEK MAINSTEM ECOSYSTEM RESTORATION STUDY, ORANGE COUNTY, CALIFORNIA. DRAFT INTEGRATED FEASIBILITY REPORT. USACE, LOS ANGELES DIST. 516PP. 2017-09-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	17615	**EO Index:**	10147
Key Quad:	Canada Gobernadora (3311755)	**Element Code:**	AFCJB13120
Occurrence Number:	3	**Occurrence Last Updated:**	1999-02-22

Scientific Name: *Gila orcuttii*

Common Name: arroyo chub

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G1

State: S2

Rare Plant Rank:

Other Lists: AFS_VU-Vulnerable
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

NATIVE TO STREAMS FROM MALIBU CREEK TO SAN LUIS REY RIVER BASIN. INTRODUCED INTO STREAMS IN SANTA CLARA, VENTURA, SANTA YNEZ, MOJAVE AND SAN DIEGO RIVER BASINS.

Micro Habitat:

SLOW WATER STREAM SECTIONS WITH MUD OR SAND BOTTOMS. FEEDS HEAVILY ON AQUATIC VEGETATION AND ASSOCIATED INVERTEBRATES.

Last Date Observed:	1998-08-25	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1998-08-25	**Occurrence Rank:**	Fair
Owner/Manager:	USFS-CLEVELAND NF, ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAN JUAN CREEK, EAST OF SAN JUAN CAPISTRANO.

Detailed Location:

FISH HAVE BEEN FOUND THROUGHOUT THIS SECTION OF THE CREEK. THEY ARE THE ONLY FISH FOUND IN HOT SPRINGS CANYON.

Ecological:

THE UPPER PORTION OF THE STREAM IS IN A DEEP CANYON WITH STREAMBED OF BOULDERS, RUBBLE, AND GRAVEL. IN THE LOWER REACHES, STREAMBED IS SAND AND GRAVEL. GASTEROSTEUS ACULEATUS AND GAMBUSIA AFFINIS ALSO PRESENT.

Threats:

THREATENED BY EXOTICS (LARGEMOUTH BASS, BLACK BULLHEAD) AND FUTURE WATER APPROPRIATIONS.

General:

1 SPECIMEN COLLECTED ON 7 JUNE 1992; DEPOSITED AT LACM. ADULTS AND JUVENILES OBSERVED IN TWO DIFFERENT LOCATIONS IN 1998.

PLSS:	T07S, R06W (S)	**Accuracy:**	specific area	**Area (acres):**	1,821
UTM:	Zone-11 N3713322 E448916	**Latitude/Longitude:**	33.55834 / -117.55033	**Elevation (feet):**	400

County Summary:	**Quad Summary:**
Orange	Canada Gobernadora (3311755), San Juan Capistrano (3311756)

Sources:

BOW85R0002	BOWLER, P. & S. BROWN - AREAS OF CRITICAL ENVIRONMENTAL CONCERN IN ORANGE COUNTY, CALIFORNIA. PUBLISHED BY SEA AND SAGE AUDUBON SOCIETY 1985-03-XX
VEJ98F0004	VEJAR, A.J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-REGION 5) - FIELD SURVEY FORM FOR GILA ORCUTTII (ARROYO CHUB) 1998-08-25
VEJ98F0005	VEJAR, A.J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-REGION 5) - FIELD SURVEY FORM FOR GILA ORCUTTII (ARROYO CHUB) 1998-08-25
WEL75R0001	WELLS, A. & J. DIANA (CALIFORNIA STATE UNIVERSITY, LONG BEACH) - SURVEY OF THE FRESHWATER FISHES AND THEIR HABITATS IN THE COASTAL DRAINAGES OF SOUTHERN CALIFORNIA. REPORT SUBMITTED TO CALIFORNIA DEPARTMENT FISH AND GAME, INLAND FISHERIES BRANCH 1975-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 17620
EO Index: 11601
Key Quad: San Juan Capistrano (3311756)
Element Code: AFCJB13120
Occurrence Number: 4
Occurrence Last Updated: 1991-10-31

Scientific Name: *Gila orcuttii*
Common Name: arroyo chub

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G1
State: S2
Other Lists: AFS_VU-Vulnerable
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

NATIVE TO STREAMS FROM MALIBU CREEK TO SAN LUIS REY RIVER BASIN. INTRODUCED INTO STREAMS IN SANTA CLARA, VENTURA, SANTA YNEZ, MOJAVE AND SAN DIEGO RIVER BASINS.

Micro Habitat:

SLOW WATER STREAM SECTIONS WITH MUD OR SAND BOTTOMS. FEEDS HEAVILY ON AQUATIC VEGETATION AND ASSOCIATED INVERTEBRATES.

Last Date Observed: 1975-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1975-XX-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

OSO CREEK, BETWEEN MISSION VIEJO AND SAN JUAN CAPISTRANO.

Detailed Location:

80 ARROYO CHUB CAPTURED, MOSTLY JUVENILES. ADULTS CONCENTRATED IN SEVERAL OF THE DEEPER POOLS.

Ecological:

HIGHLY MINERALIZED INTERMITTENT STREAM. STREAM BED IS SAND-SILT. CATTAILS ALONG THE BANKS.

Threats:

DEVELOPMENT.

General:

ALTHOUGH A FEW GAMBUSIA WERE PRESENT, VERY FEW FROGS OR TADPOLES WERE SEEN.

PLSS: T07S, R08W, Sec. 24 (S)
Accuracy: non-specific area
Area (acres): 83
UTM: Zone-11 N3712234 E437290
Latitude/Longitude: 33.54790 / -117.67550
Elevation (feet): 250

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

WEL75R0001 WELLS, A. & J. DIANA (CALIFORNIA STATE UNIVERSITY, LONG BEACH) - SURVEY OF THE FRESHWATER FISHES AND THEIR HABITATS IN THE COASTAL DRAINAGES OF SOUTHERN CALIFORNIA. REPORT SUBMITTED TO CALIFORNIA DEPARTMENT FISH AND GAME, INLAND FISHERIES BRANCH 1975-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	36410	**EO Index:**	31407
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	AFCJB13120
Occurrence Number:	17	**Occurrence Last Updated:**	1999-02-18

Scientific Name: *Gila orcuttii*

Common Name: arroyo chub

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G1

State: S2

Rare Plant Rank:

Other Lists: AFS_VU-Vulnerable
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

NATIVE TO STREAMS FROM MALIBU CREEK TO SAN LUIS REY RIVER BASIN. INTRODUCED INTO STREAMS IN SANTA CLARA, VENTURA, SANTA YNEZ, MOJAVE AND SAN DIEGO RIVER BASINS.

Micro Habitat:

SLOW WATER STREAM SECTIONS WITH MUD OR SAND BOTTOMS. FEEDS HEAVILY ON AQUATIC VEGETATION AND ASSOCIATED INVERTEBRATES.

Last Date Observed:	1998-09-25	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1998-09-25	**Occurrence Rank:**	Fair
Owner/Manager:	ORA COUNTY, UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ARROYO TRABUCO, SE OF MISSION VIEJO.

Detailed Location:

FISH ARE FOUND IN 3 SITES ALONG ARROYO TRABUCO.

Ecological:

HABITAT CONSISTS OF SYCAMORE RIPARIAN WOODLAND, DOMINATED BY MATURE WILLOWS AND SYCAMORES, WITH PATCHES OF ARUNDO AND TAMARISK. PARTIALLY-ARMORED THREESPINE STICKLEBACK AND PACIFIC TREEFROGS ALSO FOUND AT THIS SITE.

Threats:

EXOTIC SPECIES (GREEN SUNFISH, BULLFROGS, BLUEGILLS, LARGEMOUTH BASS), ILLEGAL WATER DIVERSIONS, STREAMBED ALTERATIONS.

General:

4 INDIVIDUALS CAPTURED/RELEASED ON 11 MAY 1992. 2 INDIVIDUALS COLLECTED ON 26 MAY 1992 AND DEPOSITED AT LACM. 2 ADULTS OBSERVED IN SECTION 24 ON 16 SEPT 1998. >100 ADULTS & JUVENILES OBSERVED IN SECTION 32 ON 25 SEPT 1998.

PLSS:	T07S, R07W, Sec. 08 (S)	**Accuracy:**	specific area	**Area (acres):**	109
UTM:	Zone-11 N3715868 E440719	**Latitude/Longitude:**	33.58087 / -117.63880	**Elevation (feet):**	435

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

FUL93U0002	FULLER, M.M. - SCIENTIFIC COLLECTING PERMIT REPORT FOR 1992-93 [SC-000215] 1993-XX-XX
VEJ98F0007	VEJAR, A.J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-REGION 5) - FIELD SURVEY FORM FOR GILA ORCUTTII (ARROYO CHUB) 1998-09-25
VEJ98F0008	VEJAR, A.J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-REGION 5) - FIELD SURVEY FORM FOR GILA ORCUTTII (ARROYO CHUB) 1998-09-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 41398
EO Index: 41398
Key Quad: El Toro (3311766)
Element Code: AFCJB3705K
Occurrence Number: 2
Occurrence Last Updated: 1999-07-27

Scientific Name: *Rhinichthys gabrielino*
Common Name: Santa Ana speckled dace

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: AFS_TH-Threatened
CDFW_SSC-Species of Special Concern
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G5T1
State: S1

General Habitat:

HEADWATERS OF THE SANTA ANA AND SAN GABRIEL RIVERS. MAY BE EXTIRPATED FROM THE LOS ANGELES RIVER SYSTEM.

Micro Habitat:

REQUIRES PERMANENT FLOWING STREAMS WITH SUMMER WATER TEMPS OF 17-20 C. USUALLY INHABITS SHALLOW COBBLE AND GRAVEL RIFFLES.

Last Date Observed: 1999-01-14
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1999-01-14
Occurrence Rank: Fair
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

SANTIAGO CREEK, MODJESKA, ABOUT 7 MILES NE OF JUNCTION OF I-5 AND I-405, CLEVELAND NATIONAL FOREST AREA.

Detailed Location:

50 METER SURVEY OF THE CREEK.

Ecological:

MATURE RIPARIAN WITH A FEW EXOTIC PLANTS (EUCALYPTUS AND ARUNDO. SUBSTRATES ARE MOSTLY BOULDERS, COBBLE, AND GRAVEL; SOME SAND, SILT AND BEDROCK WITH A FEW SMALL POOLS.

Threats:

WATER QUALITY POTENTIALLY AFFECTED BY NEARBY RESIDENTIAL UNITS. ALSO EXOTIC SCULPINS FOUND.

General:

A TOTAL OF 40 DACE OBSERVED (BOTH ADULTS AND JUVENILES). 5 FISH TAKEN LIVE TO THE USFWS IN CARLSBAD, CA.

PLSS: T05S, R07W, Sec. 29, NW (S)
Accuracy: specific area
Area (acres): 9
UTM: Zone-11 N3730015 E441105
Latitude/Longitude: 33.70848 / -117.63558
Elevation (feet): 1,360

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

VEJ99F0001 VEJAR, A.J. - FIELD SURVEY FORM FOR RHINICHTHYS OSCULUS SSP. 3 (SANTA ANA SPECKLED DACE) 1999-01-14

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02779	**EO Index:**	28501
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	AFCQN04010
Occurrence Number:	79	**Occurrence Last Updated:**	1997-11-10

Scientific Name: *Eucyclogobius newberryi*

Common Name: tidewater goby

Listing Status: **Federal:** Endangered

State: None

Rare Plant Rank:

Other Lists: AFS_EN-Endangered
CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G3

State: S3

General Habitat:

BRACKISH WATER HABITATS ALONG THE CALIFORNIA COAST FROM AGUA HEDIONDA LAGOON, SAN DIEGO COUNTY TO THE MOUTH OF THE SMITH RIVER.

Micro Habitat:

FOUND IN SHALLOW LAGOONS AND LOWER STREAM REACHES, THEY NEED FAIRLY STILL BUT NOT STAGNANT WATER AND HIGH OXYGEN LEVELS.

Last Date Observed:	1996-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1996-XX-XX	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT, CITY, ORA COUNTY	**Trend:**	Fluctuating
Presence:	Presumed Extant		

Location:

ALISO CREEK, FROM MOUTH TO 1.5 MILES UPSTREAM, 0.25 MILE NW OF ALISO POINT, ON THE SW EDGE OF LAGUNA BEACH.

Detailed Location:

SITE OCCUPIES 1-2 ACRES.

Ecological:

SITE WAS DRY IN 1990.

Threats:

General:

LACM 42372-1, COLL 12/7/76. POP EXTANT IN JAN 1977; AT THAT TIME THE OVERWINTERING POP WAS 1000-1500. NO GOBIES FOUND IN 1984. NEW COLLECTION LOCALITY FOUND BY HOLLAND IN 1996.

PLSS:	T07S, R08W, Sec. 32 (S)	**Accuracy:**	non-specific area	**Area (acres):**	113
UTM:	Zone-11 N3708848 E431379	**Latitude/Longitude:**	33.51700 / -117.73890	**Elevation (feet):**	10

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

FWS96R0003	U.S. FISH & WILDLIFE SERVICE - APPENDIX "A" FROM DRAFT RECOVERY PLAN FOR TIDEWATER GOBY 1996-XX-XX
FWS96U0008	U.S. FISH & WILDLIFE SERVICE - TABLE OF TIDEWATER GOBY LOCATIONS AND DATE LAST SEEN 1996-11-05
SWI86R0001	SWIFT, C. ET AL. - BIOLOGY AND DISTRIBUTION OF THE TIDEWATER GOBY 1986-XX-XX
SWI89R0001	SWIFT, C. ET AL. - BIOLOGY AND DISTRIBUTION FOR THE TIDEWATER GOBY, EUCYCLOGOBIUS NEWBERRYI, OF CALIFORNIA. LACM CONTRIBUTIONS IN SCIENCE 404:1-19 1989-03-14
SWI90R0001	SWIFT, C. ET AL. (LOS ANGELES COUNTY MUSEUM) - STATUS OF FRESHWATER FISHES OF SOUTHERN CALIFORNIA WITH RECOMMENDATIONS FOR PRESERVES TO MAINTAIN THEIR EXISTENCE. REPORT TO DFG, CONTRACT FG-7455. 228PP. 1990-07-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02533
EO Index: 59235
Key Quad: Newport Beach (3311768)
Element Code: AMABA01104
Occurrence Number: 3
Occurrence Last Updated: 2005-01-10

Scientific Name: *Sorex ornatus salicornicus*
Common Name: southern California saltmarsh shrew

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G5T1?
State: S1

General Habitat:
COASTAL MARSHES IN LOS ANGELES, ORANGE AND VENTURA COUNTIES.

Micro Habitat:
REQUIRES DENSE VEGETATION AND WOODY DEBRIS FOR COVER.

Last Date Observed: 1933-06-12
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1933-06-12
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
NEWPORT LAGOON.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED IN THE GENERAL VICINTY OF NEWPORT LAGOON.

Ecological:

Threats:

General:
2 FEMALES COLLECTED 12 JUN 1933 BY F. GORHAM AT "NEWPORT BAY, S SIDE OF; 1 MI ABOVE COAST HWY." DEPOSITED AT MVZ #63322 & 63323.

PLSS: T06S, R10W, Sec. 23 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3722596 E417561
Latitude/Longitude: 33.64001 / -117.88895
Elevation (feet): 5

County Summary:	Quad Summary:
Orange	Tustin (3311767), Newport Beach (3311768)

Sources:

MAN05S0002 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS) - PRINTOUT OF SOREX ORNATUS SALICORNICUS SPECIMEN RECORDS FROM MANIS. THIS INCLUDES RECORDS FROM MVZ & LACM. 2005-01-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 59737
EO Index: 59773
Key Quad: Tustin (3311767)
Element Code: AMACB02010
Occurrence Number: 5
Occurrence Last Updated: 2005-01-31

Scientific Name: *Choeronycteris mexicana*
Common Name: Mexican long-tongued bat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
IUCN_NT-Near Threatened

CNDDB Element Ranks: **Global:** G3G4
State: S1

General Habitat:

OCCASIONALLY FOUND IN SAN DIEGO COUNTY, WHICH IS ON THE PERIPHERY OF THEIR RANGE.

Micro Habitat:

FEEDS ON NECTAR AND POLLEN OF NIGHT-BLOOMING SUCCULENTS. ROOSTS IN RELATIVELY WELL-LIT CAVES, AND IN AND AROUND BUILDINGS.

Last Date Observed: 1995-11-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1995-11-24
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

TUSTIN.

Detailed Location:

EXACT LOCATION UNKNOWN. LOCATION ONLY GIVEN AS "TUSTIN." MAPPED IN THE GENERAL VICINTY OF TUSTIN WITH THE CENTER POINT BEING THE TUSTIN POST OFFICE.

Ecological:

Threats:

General:

ONE MALE COLLECTED 24 NOV 1995 BY D. CONSTANTINE AT "TUSTIN." DEPOSITED AT LACM #94031.

PLSS: T05S, R09W, Sec. 16 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3734218 E423991
Latitude/Longitude: 33.74530 / -117.82061
Elevation (feet): 125

County Summary:

Orange

Quad Summary:

Tustin (3311767), Orange (3311777)

Sources:

MAN04S0018 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS) - PRINTOUT OF CHOERONYCTERIS MEXICANA SPECIMEN RECORDS FROM MANIS. THIS INCLUDES RECORDS FROM MVZ, LACM, CAS & MSU. 2004-12-10

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 68730
EO Index: 69206
Key Quad: San Juan Capistrano (3311756)
Element Code: AMACC01020
Occurrence Number: 122
Occurrence Last Updated: 2007-04-06

Scientific Name: *Myotis yumanensis*
Common Name: Yuma myotis

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5
State: S4

General Habitat:

OPTIMAL HABITATS ARE OPEN FORESTS AND WOODLANDS WITH SOURCES OF WATER OVER WHICH TO FEED.

Micro Habitat:

DISTRIBUTION IS CLOSELY TIED TO BODIES OF WATER. MATERNITY COLONIES IN CAVES, MINES, BUILDINGS OR CREVICES.

Last Date Observed: 1997-04-14
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1997-04-14
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

ABOUT 1.75 TO 4 MILES NNE OF SAN JUAN CAPISTRANO E OF SAN DIEGO FREEWAY, VICINITY OF HORNO CREEK.

Detailed Location:

MAPPED IN SECTIONS 19, 20, 29 & 30 ACCORDING TO T-R-S DATA PROVIDED BY SOURCE. DETECTORS SET AT A POND IN HORNO CREEK AND IN ARROYO TRABUCO.

Ecological:

DISTURBED ANNUAL GRASSLAND WOULD PROVIDE FORAGING HABITAT. MATURE TREES ALONG ARROYO TRABUCO COULD PROVIDE ROOSTING HABITAT.

Threats:

PROPOSED LADERA PLANNED COMMUNITY.

General:

INDIVIDUAL(S) DETECTED ACOUSTICALLY ON 14 APR 1997.

PLSS: T07S, R07W, Sec. 20 (S)
Accuracy: non-specific area
Area (acres): 2,533
UTM: Zone-11 N3711520 E440419
Latitude/Longitude: 33.54163 / -117.64174
Elevation (feet):

County Summary:

Orange

Quad Summary:

Canada Gobernadora (3311755), San Juan Capistrano (3311756)

Sources:

BRO97U0005 BROWN-BERRY BIOLOGICAL CONSULTING - REGARDING: PRELIMINARY BAT SURVEY OF PROPOSED LADERA PLANNED COMMUNITY. 1997-04-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 66320
EO Index: 66407
Key Quad: Tustin (3311767)
Element Code: AMACD02011
Occurrence Number: 76
Occurrence Last Updated: 2006-09-26

Scientific Name: *Eumops perotis californicus*
Common Name: western mastiff bat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T4
State: S3S4

General Habitat:

MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER AND DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL, ETC.

Micro Habitat:

ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES AND TUNNELS.

Last Date Observed: 1949-08-08
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1949-07-28
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

SANTA ANA.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN IN MANIS, WITH UNCERTAINTY OF 10000 M.

Ecological:

Threats:

General:

1 FEMALE SPECIMEN COLLECTED BY A. SCHWARTZ AND L.M. WHITELOCH ON 28 JUL 1949, KU #150209. SPECIMEN COLLECTED 8 AUG 1949 AND DEPOSITED AT SBMNH.

PLSS: T05S, R09W, Sec. 18 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3734300 E419616
Latitude/Longitude: 33.74572 / -117.86785
Elevation (feet):

County Summary:

Orange

Quad Summary:

Tustin (3311767), Newport Beach (3311768), Orange (3311777), Anaheim (3311778)

Sources:

MAN04S0027 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS) - PRINTOUT OF EUMOPS PEROTIS CALIFORNICUS SPECIMEN RECORDS FROM MANIS. INCLUDES RECORDS FROM MVZ, CAS, TTU, ROM, LACM, KU, MSU AND FMNH. 2004-12-10

PIE98R0001 PIERSON, E. & W. RAINEY - DISTRIBUTION, HABITAT ASSOCIATIONS, STATUS AND SURVEY METHODOLOGIES FOR THREE MOLOSSID BAT SPECIES AND THE VESPERTILIONID. FINAL REPORT CAL FISH & GAME WILDLIFE MANAGEMENT DIVISION 1998-04-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 66375
EO Index: 66472
Key Quad: San Juan Capistrano (3311756)
Element Code: AMACD02011
Occurrence Number: 125
Occurrence Last Updated: 2006-09-25

Scientific Name: *Eumops perotis californicus*
Common Name: western mastiff bat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T4
State: S3S4

General Habitat:

MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER AND DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL, ETC.

Micro Habitat:

ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES AND TUNNELS.

Last Date Observed: 1991-09-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-09-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

LAGUNA HILLS.

Detailed Location:

MAPPED ACCORDING TO LAT/LONG COORDINATES GIVEN WHICH PUTS THE SITE AT JCT OF EL TORO RD AND PASEO DE VALENCIA IN LAGUNA HILLS.

Ecological:

Threats:

General:

1-3 ANIMALS DETECTED SEP 1991.

PLSS: T06S, R08W, Sec. 33, NE (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3719432 E433939
Latitude/Longitude: 33.61261 / -117.71211
Elevation (feet): 370

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

PIE98R0001 PIERSON, E. & W. RAINEY - DISTRIBUTION, HABITAT ASSOCIATIONS, STATUS AND SURVEY METHODOLOGIES FOR THREE MOLOSSID BAT SPECIES AND THE VESPERTILIONID. FINAL REPORT CAL FISH & GAME WILDLIFE MANAGEMENT DIVISION 1998-04-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21709
Key Quad: Laguna Beach (3311757)
Occurrence Number: 190

EO Index: 69061
Element Code: AMACD02011
Occurrence Last Updated: 2007-04-06

Scientific Name: *Eumops perotis californicus*
Common Name: western mastiff bat

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G4G5T4
State: S3S4

Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern

General Habitat:
MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER AND DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL, ETC.

Micro Habitat:
ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES AND TUNNELS.

Last Date Observed: XXXX-XX-XX
Last Survey Date: XXXX-XX-XX
Owner/Manager: DPR-CRYSTAL COVE SP
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
CRYSTAL COVE STATE PARK.

Detailed Location:
LOCATION NOT SPECIFIC; MAPPED AT CRYSTAL COVE STATE PARK.

Ecological:

Threats:

General:
INDIVIDUAL(S) DETECTED ACOUSTICALLY.

PLSS: T07S, R09W (S)
UTM: Zone-11 N3716063 E420998

Accuracy: specific area
Latitude/Longitude: 33.58135 / -117.85131

Area (acres): 209
Elevation (feet): 30

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
REM01U0002 REMINGTON, S. - 2000 SCIENTIFIC COLLECTING PERMIT REPORT 2001-05-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 68657
EO Index: 69065
Key Quad: San Juan Capistrano (3311756)
Element Code: AMACD02011
Occurrence Number: 191
Occurrence Last Updated: 2007-03-21

Scientific Name: *Eumops perotis californicus*
Common Name: western mastiff bat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T4
State: S3S4

General Habitat:

MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER AND DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL, ETC.

Micro Habitat:

ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES AND TUNNELS.

Last Date Observed: XXXX-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: XXXX-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY-ALISO/WOOD CYN RP
Trend: Unknown
Presence: Presumed Extant

Location:

ALISO AND WOOD CANYONS WILDERNESS PARK.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED IN THE GENERAL VICINITY OF ALISO AND WOOD CANYONS WILDERNESS PARK. LOCATION VAGUE; CNDDB MAPPING IS BEST GUESS.

Ecological:

Threats:

General:

INDIVIDUAL(S) DETECTED ACOUSTICALLY.

PLSS: T07S, R08W, Sec. 21 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3712740 E433252
Latitude/Longitude: 33.55222 / -117.71902
Elevation (feet):

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

REM01U0002 REMINGTON, S. - 2000 SCIENTIFIC COLLECTING PERMIT REPORT 2001-05-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 68659
EO Index: 69066
Key Quad: Laguna Beach (3311757)
Element Code: AMACD02011
Occurrence Number: 192
Occurrence Last Updated: 2007-03-22

Scientific Name: *Eumops perotis californicus*
Common Name: western mastiff bat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T4
State: S3S4

General Habitat:

MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER AND DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL, ETC.

Micro Habitat:

ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES AND TUNNELS.

Last Date Observed: XXXX-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: XXXX-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA CO, CITY LAGUNA BEACH, DFG
Trend: Unknown
Presence: Presumed Extant

Location:

LAGUNA COAST WILDERNESS PARK.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED IN THE GENERAL VICINITY OF LAGUNA COAST WILDERNESS PARK.

Ecological:

Threats:

EXTENSIVE DEVELOPMENT.

General:

INDIVIDUAL(S) DETECTED ACOUSTICALLY.

PLSS: T07S, R08W, Sec. 07 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3716103 E429359
Latitude/Longitude: 33.58229 / -117.76122
Elevation (feet):

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

REM01U0002 REMINGTON, S. - 2000 SCIENTIFIC COLLECTING PERMIT REPORT 2001-05-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 68660
EO Index: 69067
Key Quad: Laguna Beach (3311757)
Element Code: AMACD02011
Occurrence Number: 193
Occurrence Last Updated: 2007-03-22

Scientific Name: *Eumops perotis californicus*
Common Name: western mastiff bat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G4G5T4
State: S3S4

General Habitat:

MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER AND DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL, ETC.

Micro Habitat:

ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES AND TUNNELS.

Last Date Observed: XXXX-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: XXXX-XX-XX
Occurrence Rank: Unknown
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:

SHADY CANYON.

Detailed Location:

EXACT LOCATION UNKNOWN, SO ENTIRE SHADY CANYON WAS MAPPED.

Ecological:

Threats:

EXTENSIVE DEVELOPMENT.

General:

INDIVIDUAL(S) DETECTED ACOUSTICALLY.

PLSS: T06S, R09W, Sec. 26 (S)
Accuracy: non-specific area
Area (acres): 152
UTM: Zone-11 N3720410 E426894
Latitude/Longitude: 33.62097 / -117.78814
Elevation (feet):

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757), Tustin (3311767)

Sources:

REM01U0002 REMINGTON, S. - 2000 SCIENTIFIC COLLECTING PERMIT REPORT 2001-05-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 15987
Key Quad: Tustin (3311767)
Occurrence Number: 195

EO Index: 69069
Element Code: AMACD02011
Occurrence Last Updated: 2007-03-22

Scientific Name: *Eumops perotis californicus*
Common Name: western mastiff bat

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G4G5T4
State: S3S4

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern

General Habitat:

MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER AND DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL, ETC.

Micro Habitat:

ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES AND TUNNELS.

Last Date Observed: XXXX-XX-XX
Last Survey Date: XXXX-XX-XX
Owner/Manager: UCNR-SAN JOAQUIN, ORA COUNTY
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

SAN JOAQUIN RESERVE.

Detailed Location:

EXACT LOCATION UNKNOWN, SO ENTIRE SAN JOAQUIN RESERVE WAS MAPPED.

Ecological:

Threats:

General:

INDIVIDUAL(S) DETECTED ACOUSTICALLY.

PLSS: T06S, R09W, Sec. 07 (S)
UTM: Zone-11 N3724808 E421021

Accuracy: 3/5 mile
Latitude/Longitude: 33.66022 / -117.85184

Area (acres): 0
Elevation (feet): 10

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

REM01U0002 REMINGTON, S. - 2000 SCIENTIFIC COLLECTING PERMIT REPORT 2001-05-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 68663
EO Index: 69072
Key Quad: El Toro (3311766)
Element Code: AMACD02011
Occurrence Number: 198
Occurrence Last Updated: 2007-03-22

Scientific Name: *Eumops perotis californicus*
Common Name: western mastiff bat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
CNDDB Element Ranks: **Global:** G4G5T4
State: S3S4

General Habitat:

MANY OPEN, SEMI-ARID TO ARID HABITATS, INCLUDING CONIFER AND DECIDUOUS WOODLANDS, COASTAL SCRUB, GRASSLANDS, CHAPARRAL, ETC.

Micro Habitat:

ROOSTS IN CREVICES IN CLIFF FACES, HIGH BUILDINGS, TREES AND TUNNELS.

Last Date Observed: XXXX-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: XXXX-XX-XX
Occurrence Rank: Unknown
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:

LIMESTONE CANYON, EL TORO USGS QUADRANGLE.

Detailed Location:

EXACT LOCATION IN LIMESTONE CANYON UNKNOWN, SO ENTIRE CANYON ON THE EL TORO QUAD WAS MAPPED.

Ecological:

Threats:

General:

INDIVIDUAL(S) OBSERVED ANECDOTALLY.

PLSS: T05S, R08W, Sec. 13 (S)
Accuracy: non-specific area
Area (acres): 136
UTM: Zone-11 N3733410 E437633
Latitude/Longitude: 33.73890 / -117.67328
Elevation (feet):

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

REM01U0002 REMINGTON, S. - 2000 SCIENTIFIC COLLECTING PERMIT REPORT 2001-05-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21710
EO Index: 59568
Key Quad: Laguna Beach (3311757)
Element Code: AMACD04020
Occurrence Number: 8
Occurrence Last Updated: 2005-01-21

Scientific Name: *Nyctinomops macrotis*
Common Name: big free-tailed bat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G5
State: S3

General Habitat:
LOW-LYING ARID AREAS IN SOUTHERN CALIFORNIA.

Micro Habitat:
NEED HIGH CLIFFS OR ROCKY OUTCROPS FOR ROOSTING SITES. FEEDS PRINCIPALLY ON LARGE MOTHS.

Last Date Observed: 1988-10-16
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-10-16
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
CORONA DEL MAR.

Detailed Location:
EXCAT LOCATION UNKNOWN. LOCATION ONLY GIVEN AS "CORONA DEL MAR." MAPPED IN THE GENERAL VICINTY OF CORONA DEL MAR. LAT/LONG COORDINATES PROVIDED BY MANIS FALL WITHIN THIS CIRCLE AND HAVE AN UNCERTAINTY OF 804 METERS (ABOUT 1/2 MILE).

Ecological:

Threats:

General:
ONE FEMALE SPECIMEN COLLECTED 16 OCT 1988 BY W. RAINEY AT "CORONA DEL MAR." DEPOSITED AT MVZ #182481.

PLSS: T07S, R10W (S)
Accuracy: 2/5 mile
Area (acres): 0
UTM: Zone-11 N3717281 E418997
Latitude/Longitude: 33.59219 / -117.87298
Elevation (feet): 50

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757), Newport Beach (3311768)

Sources:

MAN05S0005 MAMMAL NETWORKED INFORMATION SYSTEM (MANIS) - PRINTOUT OF NYCTINOMOPS MACROTIS SPECIMEN RECORDS FROM MANIS. THIS INCLUDES RECORDS FROM LACM & MVZ. 2005-01-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 39865
EO Index: 34867
Key Quad: Laguna Beach (3311757)
Element Code: AMAFD01042
Occurrence Number: 4
Occurrence Last Updated: 1998-09-30

Scientific Name: *Perognathus longimembris pacificus*
Common Name: Pacific pocket mouse

Listing Status: **Federal:** Endangered
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G5T2
State: S2

General Habitat:

INHABITS THE NARROW COASTAL PLAINS FROM THE MEXICAN BORDER NORTH TO EL SEGUNDO, LOS ANGELES COUNTY.

Micro Habitat:

SEEMS TO PREFER SOILS OF FINE ALLUVIAL SANDS NEAR THE OCEAN, BUT MUCH REMAINS TO BE LEARNED.

Last Date Observed: 1971-08-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1971-08-XX
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Extirpated

Location:

"SPYGLASS HILL," LAGUNA BEACH.

Detailed Location:

Ecological:

Threats:

General:

HISTORIC SITE. 2 UCI SPECIMENS COLLECTED IN 1971; ONE COLLECTED IN MARCH, THE OTHER IN AUGUST. 45 ADDITIONAL SPECIMENS COLLECTED BETWEEN JULY 1968 & OCT 1971.

PLSS: T06S, R09W, Sec. 32 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3719617 E421400
Latitude/Longitude: 33.61343 / -117.84729
Elevation (feet): 500

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757), Tustin (3311767)

Sources:

ERI93R0001	ERICKSON, R.A. - PACIFIC POCKET MOUSE; DRAFT MANUSCRIPT PREPARED FOR INCLUSION IN "ENDANGERED RODENTS OF THE WORLD," TO BE PUBLISHED BY IUCN. 1993-XX-XX
FWS97R0004	U.S. FISH & WILDLIFE SERVICE - DRAFT RECOVERY PLAN FOR THE PACIFIC POCKET MOUSE (PEROGNATHUS LONGIMEMBRIS PACIFICUS) 1997-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 20012
EO Index: 9276
Key Quad: Laguna Beach (3311757)
Element Code: AMAFD01042
Occurrence Number: 8
Occurrence Last Updated: 1991-12-19

Scientific Name: *Perognathus longimembris pacificus*
Common Name: Pacific pocket mouse

Listing Status: **Federal:** Endangered
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G5T2
State: S2

General Habitat:
INHABITS THE NARROW COASTAL PLAINS FROM THE MEXICAN BORDER NORTH TO EL SEGUNDO, LOS ANGELES COUNTY.

Micro Habitat:
SEEMS TO PREFER SOILS OF FINE ALLUVIAL SANDS NEAR THE OCEAN, BUT MUCH REMAINS TO BE LEARNED.

Last Date Observed: 1969-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1969-XX-XX
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
IRVINE RANCH, BETWEEN BUCK GULLY AND THE SAN JOAQUIN RESERVOIR, SAN JOAQUIN HILLS.

Detailed Location:
FOUND IN THE MOST SPARSELY VEGETATED AREAS OF THE STUDY PLOT.

Ecological:
LATE PLEISTOCENE MARINE TERRACE WITH COASTAL SAGE SCRUB PLANT ASSOCIATION.

Threats:
CATTLE WERE PRESENT BUT MOST OF THEIR ACTIVITY WAS RESTRICTED TO THE GRASSLANDS.

General:
COASTAL SAGE SCRUB STUDY PLOT WAS STUDIED FROM SUMMER OF 1968 TO FALL OF 1969.

PLSS: T06S, R09W, Sec. 32 (S)
Accuracy: 2/5 mile
Area (acres): 0
UTM: Zone-11 N3719194 E421946
Latitude/Longitude: 33.60966 / -117.84137
Elevation (feet): 600

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

FWS97R0004	U.S. FISH & WILDLIFE SERVICE - DRAFT RECOVERY PLAN FOR THE PACIFIC POCKET MOUSE (PEROGNATHUS LONGIMEMBRIS PACIFICUS) 1997-XX-XX
MCL72A0001	MCLOSKEY, R.T. - TEMPORAL CHANGES IN POPULATION AND SPECIES DIVERSITY IN A CALIFORNIA RODENT COMMUNITY. JOURNAL OF MAMMALOGY, 53(4):657-676. 1972-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A6350
Key Quad: El Toro (3311766)
Occurrence Number: 106
EO Index: 108108
Element Code: AMAFD05031
Occurrence Last Updated: 2017-10-25

Scientific Name: *Chaetodipus fallax fallax*
Common Name: northwestern San Diego pocket mouse

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G5T3T4
State: S3S4

General Habitat:

COASTAL SCRUB, CHAPARRAL, GRASSLANDS, SAGEBRUSH, ETC. IN WESTERN SAN DIEGO, RIVERSIDE, SAN BERNARDINO, AND LOS ANGELES COUNTIES, INCLUSIVE OF ORANGE COUNTY.

Micro Habitat:

SANDY, HERBACEOUS AREAS, USUALLY IN ASSOCIATION WITH ROCKS OR COARSE GRAVEL.

Last Date Observed: 2016-11-03
Last Survey Date: 2016-11-03
Owner/Manager: PVT
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Good
Trend: Unknown

Location:

NE SIDE E SANTIAGO CYN RD, FROM 0.4 MI N-0.5 MI NW OF THE RIDGELINE RD INTXN & 1.6-1.9 MI SE OF BOLERO PT, E OF IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES.

Ecological:

MIXED SOUTHERN SCRUB (BLACK SAGE, LAUREL SUMAC & SUGAR BUSH) AND RUDERAL HERBACEOUS VEGETATION (ARTICHOKE THISTLE & MUSTARD), IN FOOTHILLS OF SANTA ANA MTS. LAND USED FOR GRAZING, IN OPEN SPACE WITH RURAL AND SUBURBAN RESIDENTIAL AREAS.

Threats:

DEVELOPMENT.

General:

13 ADULTS, 4 OF UNKNOWN AGE DETECTED ON 3 NOV 2016.

PLSS: T05S, R07W, Sec. 32, NE (S)
Accuracy: specific area
Area (acres): 41
UTM: Zone-11 N3728578 E441855
Latitude/Longitude: 33.69556 / -117.6274
Elevation (feet): 1,379

County Summary:	Quad Summary:
Orange	Santiago Peak (3311765), El Toro (3311766)

Sources:

SIN16F0004 SINGLETON, L. - FIELD SURVEY FORM FOR CHAETODIPUS FALLAX FALLAX 2016-11-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A6349
EO Index: 108107
Key Quad: El Toro (3311766)
Element Code: AMAFF06022
Occurrence Number: 50
Occurrence Last Updated: 2017-09-13

Scientific Name: *Onychomys torridus ramona*
Common Name: southern grasshopper mouse

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G5T3
State: S3

General Habitat:

DESERT AREAS, ESPECIALLY SCRUB HABITATS WITH FRIABLE SOILS FOR DIGGING. PREFERS LOW TO MODERATE SHRUB COVER.

Micro Habitat:

FEEDS ALMOST EXCLUSIVELY ON ARTHROPODS, ESPECIALLY SCORPIONS AND ORTHOPTERAN INSECTS.

Last Date Observed: 2016-11-03
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2016-11-03
Occurrence Rank: Good
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

NE SIDE OF E SANTIAGO CYN RD ABOUT 0.3 MI SE OF THE MODJESKA GRADE RD INTERSECTION, E OF IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES.

Ecological:

MIXED SOUTHERN SCRUB (BLACK SAGE, LAUREL SUMAC & SUGAR BUSH) AND RUDERAL HERBACEOUS VEGETATION (ARTICHOKE THISTLE & MUSTARD), IN FOOTHILLS OF SANTA ANA MTS. LAND USED FOR GRAZING, IN OPEN SPACE WITH RURAL AND SUBURBAN RESIDENTIAL AREAS.

Threats:

DEVELOPMENT.

General:

3 ADULTS DETECTED ON 3 NOV 2016.

PLSS: T05S, R07W, Sec. 32, NE (S)
Accuracy: specific area
Area (acres): 6
UTM: Zone-11 N3728460 E441769
Latitude/Longitude: 33.69449 / -117.62832
Elevation (feet): 1,388

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

SIN16F0003 SINGLETON, L. - FIELD SURVEY FORM FOR ONYCHOMYS TORRIDUS RAMONA 2016-11-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52585
EO Index: 52585
Key Quad: El Toro (3311766)
Element Code: AMAFF08041
Occurrence Number: 66
Occurrence Last Updated: 2003-09-22

Scientific Name: *Neotoma lepida intermedia*
Common Name: San Diego desert woodrat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G5T3T4
State: S3S4

General Habitat:

COASTAL SCRUB OF SOUTHERN CALIFORNIA FROM SAN DIEGO COUNTY TO SAN LUIS OBISPO COUNTY.

Micro Habitat:

MODERATE TO DENSE CANOPIES PREFERRED. THEY ARE PARTICULARLY ABUNDANT IN ROCK OUTCROPS, ROCKY CLIFFS, AND SLOPES.

Last Date Observed: 2001-03-22
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-03-22
Occurrence Rank: Unknown
Owner/Manager: DOD-EL TORO MCAS
Trend: Unknown
Presence: Presumed Extant

Location:

WESTERN PORTION OF EL TORO MARINE CORPS AIR STATION, ABOUT 2.8 MI NE OF THE JUNCTION OF I-5 AND I-405.

Detailed Location:

COMMUNICATION STATION LANDFILL (INSTALLATION RESTORATION PROGRAM, SITE 17).

Ecological:

HABITAT ON PROJECT SITE CONSISTS OF CSS ON THE UPLANDS & MULE FAT SCRUB (DOM BY MULE FAT, TREE TOBACCO) IN THE DRAINAGE SYSTEM. RUDERAL VEGETATION (INC BLACK MUSTARD, RIPGUT GRASS, BROME SP., OTHERS) ON FLATTER, LOWER AREA OF SITE.

Threats:

General:

9 NESTS OBSERVED SOMETIME DURING CALIFORNIA GNATCATCHER SURVEYS BETWEEN 12 DEC 2000 AND 22 MAR 2001.

PLSS: T06S, R08W, Sec. 03 (S)
Accuracy: non-specific area
Area (acres): 44
UTM: Zone-11 N3726233 E434924
Latitude/Longitude: 33.67401 / -117.70200
Elevation (feet): 500

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

LIN01U0001 LINCER & ASSOCIATES - PROTOCOL COASTAL CALIFORNIA GNATCATCHER SURVEYS ON SITES 2 AND 17, MCAS EL TORO, ORANGE COUNTY, CALIFORNIA. 2001-06-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A6348
EO Index: 108106
Key Quad: El Toro (3311766)
Element Code: AMAFF08041
Occurrence Number: 118
Occurrence Last Updated: 2017-10-12

Scientific Name: *Neotoma lepida intermedia*
Common Name: San Diego desert woodrat

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G5T3T4
State: S3S4

General Habitat:

COASTAL SCRUB OF SOUTHERN CALIFORNIA FROM SAN DIEGO COUNTY TO SAN LUIS OBISPO COUNTY.

Micro Habitat:

MODERATE TO DENSE CANOPIES PREFERRED. THEY ARE PARTICULARLY ABUNDANT IN ROCK OUTCROPS, ROCKY CLIFFS, AND SLOPES.

Last Date Observed: 2016-11-03
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2016-11-03
Occurrence Rank: Good
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

NE SIDE OF E SANTIAGO CYN RD, FROM 0.4 MI N-0.5 MI NW OF THE RIDGELINE RD INTXN & 1.7 MI SE OF BOLERO PT, E OF IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES.

Ecological:

MIXED SOUTHERN SCRUB (BLACK SAGE, LAUREL SUMAC & SUGAR BUSH) AND RUDERAL HERBACEOUS VEGETATION (ARTICHOKE THISTLE & MUSTARD), IN FOOTHILLS OF SANTA ANA MTS. LAND USED FOR GRAZING, IN OPEN SPACE WITH RURAL AND SUBURBAN RESIDENTIAL AREAS.

Threats:

DEVELOPMENT.

General:

6 ADULTS, 2 JUVENILES AND 2 OF UNKNOWN AGE DETECTED ON 3 NOV 2016.

PLSS: T05S, R07W, Sec. 32, NE (S)
Accuracy: specific area
Area (acres): 26
UTM: Zone-11 N3728572 E441798
Latitude/Longitude: 33.69551 / -117.62801
Elevation (feet): 1,341

County Summary:

Orange

Quad Summary:

Santiago Peak (3311765), El Toro (3311766)

Sources:

SIN16F0002 SINGLETON, L. - FIELD SURVEY FORM FOR NEOTOMA LEPIDA INTERMEDIA 2016-11-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 33827
EO Index: 28239
Key Quad: San Juan Capistrano (3311756)
Element Code: ARAAD02032
Occurrence Number: 31
Occurrence Last Updated: 2008-02-06

Scientific Name: *Actinemys pallida*
Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G2G3
State: SNR
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

Micro Habitat:

Last Date Observed: 2001-07-19
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-07-19
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

ALISO CANYON AT LAGUNA BEACH AND LAGUNA NIGUEL.

Detailed Location:

1963: LAGUNA BEACH, ALISO CYN. 1989: ALISO CREEK, LAGUNA NIGUEL. 2001: ALISO CREEK.

Ecological:

Threats:

General:

1 (LACM #138632) COLLECTED IN 1952. LACM COLLECTION #105314. UNKNOWN NUMBER OF TURTLES OBSERVED IN 1989. UNKNOWN NUMBER OBSERVED BETWEEN 2 MAY AND 19 JUL 2001 DURING LEAST BELL'S VIREO/SOUTHWESTERN WILLOW FLYCATCHER SURVEYS.

PLSS: T07S, R08W, Sec. 32 (S)
Accuracy: non-specific area
Area (acres): 129
UTM: Zone-11 N3708772 E431239
Latitude/Longitude: 33.51630 / -117.74039
Elevation (feet): 50

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

BRA88R0001	BRATTSTROM, B. & D. MESSER - CURRENT STATUS OF THE SOUTHWESTERN POND TURTLE, CLEMMYS MARMORATA PALLIDA, IN SOUTHERN CALLIFORNIA. REPORT TO CALIFORNIA DEPARTMENT OF FISH AND GAME. 1988-XX-XX
BRA90U0002	BRATTSTROM, B.H. - LETTER TO DARLENE MCGRIFF (DFG-CNDDB) REGARDING CLEMMYS MARMORATA PALLIDA 1990-02-27
BRO80U0001	BRODE, J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GEOGRAPHIC REFERENCE CARD CATALOG OF SPECIMENS AND FIELD NOTE RECORDS COMPILED BY JOHN BRODE (DFG) 1980-XX-XX
DUD01U0010	DUDEK & ASSOCIATES, INC. - LEAST BELL'S VIREO & SOUTHWESTERN WILLOW FLYCATCHER SURVEY FOR THE ALISO CREEK EMERGENCY SEWER AND PARKS IMPROVEMENT PROJECT, ORANGE COUNTY, CALIFORNIA 2001-09-10
HOL88U0002	HOLLAND, D. (UNIVERSITY OF SOUTHWESTERN LOUISIANA) - LIST OF DOCUMENTED CLEMMYS MARMORATA LOCALITIES 1988-03-23
LAC06S0003	LOS ANGELES COUNTY MUSEUM OF NATURAL HISTORY - LACM SPECIMEN DATABASE FOR CLEMMYS MARMORATA (PALLIDA) 2006-09-19

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02604
EO Index: 28236
Key Quad: Tustin (3311767)
Element Code: ARAAD02032
Occurrence Number: 32
Occurrence Last Updated: 1995-12-20

Scientific Name: *Actinemys pallida*
Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G2G3
State: SNR
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

Micro Habitat:

Last Date Observed: 1987-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1987-XX-XX
Occurrence Rank: Unknown
Owner/Manager: UCNR-SAN JOAQUIN MARSH
Trend: Unknown
Presence: Presumed Extant

Location:

SAN JOAQUIN FRESH WATER MARSH RESERVE, JUST N OF UC IRVINE.

Detailed Location:

Ecological:

THE MARSH IS PROTECTED BY A SERIES OF CHAIN LINK FENCES.

Threats:

General:

OBSERVED OR COLLECTED BY BONZO ON 23 AUGUST 1977. OBSERVED BY BRATTSTROM AND MESSER DURING APRIL-DECEMBER 1987 FIELD SURVEY; POPULATION SIZE SMALL.

PLSS: T06S, R09W, Sec. 18 (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3724620 E420928
Latitude/Longitude: 33.65852 / -117.85283
Elevation (feet): 5

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

BRA88R0001	BRATTSTROM, B. & D. MESSER - CURRENT STATUS OF THE SOUTHWESTERN POND TURTLE, CLEMMYS MARMORATA PALLIDA, IN SOUTHERN CALLIFORNIA. REPORT TO CALIFORNIA DEPARTMENT OF FISH AND GAME. 1988-XX-XX
BRO80U0001	BRODE, J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GEOGRAPHIC REFERENCE CARD CATALOG OF SPECIMENS AND FIELD NOTE RECORDS COMPILED BY JOHN BRODE (DFG) 1980-XX-XX
HOL88U0002	HOLLAND, D. (UNIVERSITY OF SOUTHWESTERN LOUISIANA) - LIST OF DOCUMENTED CLEMMYS MARMORATA LOCALITIES 1988-03-23

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02912
EO Index: 28235
Key Quad: San Juan Capistrano (3311756)
Element Code: ARAAD02032
Occurrence Number: 33
Occurrence Last Updated: 2006-09-19

Scientific Name: *Actinemys pallida*
Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2G3
State: SNR

General Habitat:

Micro Habitat:

Last Date Observed: 2006-07-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2006-07-24
Occurrence Rank: Fair
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

ARROYO TRABUCO CREEK, WEST OF I-5, 1.4 MILES NORTH OF SAN JUAN CAPISTRANO.

Detailed Location:

LACM SPECIMEN #105316 LOCALITY DESCRIPTION: "1.8 MILES E LAGUNA NIGUEL, LOWER LAGUNA."

Ecological:

HABITAT CONSISTS OF A FRESH-WATER POND FED BY ARROYO TRABUCO CREEK; SURROUNDED BY DISTURBED RIPARIAN VEGETATION.

Threats:

THREATENED BY THE PRESENCE OF EXOTICS (RED-EARED SLIDER & ARUNDO DONAX).

General:

LACM SPECIMEN #105316, COLLECTED 28 APR 1963. WPT FOUND IN THIS VICINITY BY BRATTSTROM IN 1989. 2 ADULTS OBSERVED ON 24 JUL 2006.

PLSS: T07S, R08W, Sec. 36, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3709169 E437625
Latitude/Longitude: 33.52027 / -117.67166
Elevation (feet): 10

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

BRA88R0001	BRATTSTROM, B. & D. MESSER - CURRENT STATUS OF THE SOUTHWESTERN POND TURTLE, CLEMMYS MARMORATA PALLIDA, IN SOUTHERN CALLIFORNIA. REPORT TO CALIFORNIA DEPARTMENT OF FISH AND GAME. 1988-XX-XX
BRO80U0001	BRODE, J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GEOGRAPHIC REFERENCE CARD CATALOG OF SPECIMENS AND FIELD NOTE RECORDS COMPILED BY JOHN BRODE (DFG) 1980-XX-XX
HOL88U0002	HOLLAND, D. (UNIVERSITY OF SOUTHWESTERN LOUISIANA) - LIST OF DOCUMENTED CLEMMYS MARMORATA LOCALITIES 1988-03-23
LAC06S0003	LOS ANGELES COUNTY MUSEUM OF NATURAL HISTORY - LACM SPECIMEN DATABASE FOR CLEMMYS MARMORATA (PALLIDA) 2006-09-19
LIN06F0004	LINA, L. (CHAMBERS GROUP, INC.) - FIELD SURVEY FORM FOR ACTINEMYS (=EMYS) MARMORATA PALLIDA 2006-07-24

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02951
EO Index: 28237
Key Quad: El Toro (3311766)
Element Code: ARAAD02032
Occurrence Number: 34
Occurrence Last Updated: 1991-06-12

Scientific Name: *Actinemys pallida*
Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2G3
State: SNR

General Habitat:

Micro Habitat:

Last Date Observed: 1951-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1987-XX-XX
Occurrence Rank: None
Owner/Manager: PVT, USFS-CLEVELAND NF
Trend: Unknown
Presence: Possibly Extirpated

Location:

SILVERADO CANYON, CLEVELAND NATIONAL FOREST.

Detailed Location:

Ecological:

Threats:

General:

COLLECTED OR OBSERVED BY PEQUEQNAT IN 1951. BRATTSTROM (1990) CONSIDERS THIS POP EXTIRPATED.

PLSS: T05S, R07W, Sec. 07 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3734108 E439340
Latitude/Longitude: 33.74530 / -117.65491
Elevation (feet): 1,100

County Summary:

Orange

Quad Summary:

El Toro (3311766), Black Star Canyon (3311776)

Sources:

BRA88R0001	BRATTSTROM, B. & D. MESSER - CURRENT STATUS OF THE SOUTHWESTERN POND TURTLE, CLEMMYS MARMORATA PALLIDA, IN SOUTHERN CALLIFORNIA. REPORT TO CALIFORNIA DEPARTMENT OF FISH AND GAME. 1988-XX-XX
BRA90U0002	BRATTSTROM, B.H. - LETTER TO DARLENE MCGRIFF (DFG-CNDDB) REGARDING CLEMMYS MARMORATA PALLIDA 1990-02-27
BRO80U0001	BRODE, J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GEOGRAPHIC REFERENCE CARD CATALOG OF SPECIMENS AND FIELD NOTE RECORDS COMPILED BY JOHN BRODE (DFG) 1980-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 22038
EO Index: 63872
Key Quad: Laguna Beach (3311757)
Element Code: ARAAD02032
Occurrence Number: 41
Occurrence Last Updated: 2012-03-16

Scientific Name: *Actinemys pallida*
Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G2G3
State: SNR
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

Micro Habitat:

Last Date Observed: 1922-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1922-XX-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

LAGUNA BEACH.

Detailed Location:

LOCATION STATED AS "LAGUNA BEACH." EXACT LOCATION UNKNOWN; MAPPED TO INCLUDE LAGUNA BEACH AND VICINITY.

Ecological:

Threats:

General:

COLLECTED BY VAN DENBURGH DURING 1922.

PLSS: T07S, R09W, Sec. 24 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3712920 E427656
Latitude/Longitude: 33.55348 / -117.77931
Elevation (feet): 500

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

BRO80U0001 BRODE, J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GEOGRAPHIC REFERENCE CARD CATALOG OF SPECIMENS AND FIELD NOTE RECORDS COMPILED BY JOHN BRODE (DFG) 1980-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 20192
EO Index: 9604
Key Quad: San Juan Capistrano (3311756)
Element Code: ARAAD02032
Occurrence Number: 166
Occurrence Last Updated: 2007-12-07

Scientific Name: *Actinemys pallida*
Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G2G3
State: SNR
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

Micro Habitat:

Last Date Observed: 1970-12-07
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1970-12-07
Occurrence Rank: Excellent
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

SULPHUR CREEK RESERVOIR (NOW NIGUEL LAKE).

Detailed Location:

DEEP POOL AT BASE OF SPILLWAY.

Ecological:

MUCH OPEN WATER, WITH BRANCHES, ROCKS, AND OTHER BASKING AREAS. POOL BORDERED ON ONE SIDE BY CATTAILS, AND CEMENT SPILLWAY ON OTHER SIDE.

Threats:

INUNDATION?

General:

POPULATION OF 30-PLUS ADULTS AND APPROXIMATELY 10 JUVENILES OBSERVED IN 1970. AROUND 1971-72 SPILLWAY ALTERED AND POPULATION MAY HAVE BEEN BURIED AND EXTIRPATED. LAKE ALSO DRAINED AT THE TIME. RETURN/SURVIVAL OF POPULATION UNKNOWN.

PLSS: T07S, R08W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3712547 E434318
Latitude/Longitude: 33.55055 / -117.70753
Elevation (feet): 150

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

BOW85R0002 BOWLER, P. & S. BROWN - AREAS OF CRITICAL ENVIRONMENTAL CONCERN IN ORANGE COUNTY, CALIFORNIA. PUBLISHED BY SEA AND SAGE AUDUBON SOCIETY 1985-03-XX

ROB70F0001 ROBERTS, F. - FIELD SURVEY FORM FOR CLEMMYS MARMORATA PALLIDA 1970-12-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	20243	**EO Index:**	334
Key Quad:	Tustin (3311767)	**Element Code:**	ARAAD02032
Occurrence Number:	167	**Occurrence Last Updated:**	1996-04-02

Scientific Name: *Actinemys pallida* **Common Name:** southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened

State: None

CNDDB Element Ranks: **Global:** G2G3

State: SNR

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

Micro Habitat:

Last Date Observed:	1990-11-07	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1990-11-07	**Occurrence Rank:**	Fair
Owner/Manager:	PVT-IRVINE CO	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

POND AND DRAINAGE BELOW SPILLWAY, NORTHWEST OF BONITA RESERVOIR, APPROXIMATELY 1 MILE SOUTHWEST OF UC IRVINE.

Detailed Location:

ARTIFICIAL POND REPORTEDLY CREATED FROM SPILLWAY BELOW BONITA CANYON RESERVOIR.

Ecological:

MAN-MADE POND AND EPHEMERAL DRAINAGE SURROUNDED BY COASTAL SCRUB HABITAT AND DISTURBED GRASSLAND; TYPHA AND SCIRPUS IN POND, SALIX ALONG DRAINAGE; POND SUBSTRATE HEAVY CLAY, FLAT ASPECT, SLIGHT SLOPE AND OPEN CANOPY COVER.

Threats:

POSSIBLE THREAT: 1988-HEAVY SILTATION, PROPOSED FREEWAY ROUTE; 1990-THIS REACH OF CREEK WAS RIPRAPPED AND RECONTOURED.

General:

1988: <10 TURTLES (75% ADULTS, 25% JUV) OBS IN POND BY V.N. SCHEIDT; 1989: TURTLE(S) OBS IN POND BY BRATTSTROM (1990); 1990: 1 TURTLE OBS, WITH PRESENCE OF AT LEAST 1 OTHER TURTLE NOTED BY M.W. O'CONNELL.

PLSS:	T06S, R09W, Sec. 19, W (S)	**Accuracy:**	non-specific area	**Area (acres):**	48
UTM:	Zone-11 N3721926 E421012	**Latitude/Longitude:**	33.63423 / -117.85168	**Elevation (feet):**	120

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

BRA90U0002	BRATTSTROM, B.H. - LETTER TO DARLENE MCGRIFF (DFG-CNDDB) REGARDING CLEMMYS MARMORATA PALLIDA 1990-02-27
LSA92R0001	LSA ASSOCIATES, INC. - BIOLOGICAL ASSESSMENT OF MACARTHUR BOULEVARD WIDENING AND BISON AVENUE EXTENSION. 1992-03-XX
SCH88F0016	SCHEIDT, V.N. - FIELD SURVEY FORM FOR CLEMMYS MARMORATA PALLIDA 1988-05-02

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 24345
EO Index: 6516
Key Quad: Tustin (3311767)
Element Code: ARAAD02032
Occurrence Number: 175
Occurrence Last Updated: 1993-09-02

Scientific Name: *Actinemys pallida*
Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G2G3
State: SNR
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

Micro Habitat:

Last Date Observed: 1993-06-30
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1993-06-30
Occurrence Rank: Fair
Owner/Manager: DOD-TUSTIN MCAS
Trend: Unknown
Presence: Presumed Extant

Location:

NORTH SIDE OF SAN JOAQUIN ROAD, TUSTIN MARINE CORPS AIR STATION.

Detailed Location:

TURTLE FOUND IN FLOOD CONTROL CHANNEL THAT RUNS ADJACENT TO SAN JOAQUIN ROAD.

Ecological:

Threats:

THREATS INCLUDE POSSIBLE ABSENCE OF SUITABLE BREEDING HABITAT & SMALL, ISOLATED POPULATION SIZE.

General:

ONE ADULT OBSERVED IN 1993.

PLSS: T05S, R09W, Sec. 33, E (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3728866 E423656
Latitude/Longitude: 33.69701 / -117.82378
Elevation (feet): 45

County Summary:
Orange

Quad Summary:
Tustin (3311767)

Sources:

BEA93F0002 BEAMAN, K. - FIELD SURVEY FORM FOR CLEMMYS MARMORATA PALLIDA 1993-06-30

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	32706	**EO Index:**	1267
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ARAAD02032
Occurrence Number:	212	**Occurrence Last Updated:**	1995-12-21

Scientific Name: *Actinemys pallida*

Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened

State: None

CNDDB Element Ranks: **Global:** G2G3

State: SNR

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

Micro Habitat:

Last Date Observed:	1993-05-27	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1993-05-27	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

OSO CREEK, BETWEEN LA PAZ ROAD AND JERONIMO ROAD; MISSION VIEJO.

Detailed Location:

Ecological:

CREEK LINED WITH WILLOWS; GROUTED RIPRAP WITH NATURAL (MUD) BOTTOM; SOME PONDS; WATER RUN-OFF FROM LAKE MISSION VIEJO AND GOLF COURSE, WATER HIGH IN NITRATES; SURROUNDING AREA IS RESIDENTIAL.

Threats:

General:

12 TURTLES (3-5 INCHES ACROSS) WERE OBSERVED IN THIS PORTION OF OSO CREEK; DUCKS, HERONS, MOSQUITIOFISH & CRAYFISH PRESENT.

PLSS:	T06S, R07W, Sec. 31, SW (S)	**Accuracy:**	specific area	**Area (acres):**	63
UTM:	Zone-11 N3718242 E439459	**Latitude/Longitude:**	33.60221 / -117.65254	**Elevation (feet):**	440

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

GAR93U0001 GARRISON, T. (BIOLOGICAL ASSESSMENT SERVICES) - REPORT OF TELEPHONE CONVERSATION FOR CLEMMYS MARMORATA PALLIDA. 1993-05-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 32720
EO Index: 1278
Key Quad: Laguna Beach (3311757)
Element Code: ARAAD02032
Occurrence Number: 226
Occurrence Last Updated: 1995-12-20

Scientific Name: *Actinemys pallida*
Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G2G3
State: SNR
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

Micro Habitat:

Last Date Observed: 198X-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 198X-XX-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

CREEK IN BOMMER CANYON; ENE OF NEWPORT BEACH; SOUTHERN VICINITY OF IRVINE.

Detailed Location:

Ecological:

Threats:

General:

TURTLE OBSERVED AT SITE; CROSS REFERENCE WITH ROBERT FISHER.

PLSS: T06S, R09W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3720442 E425518
Latitude/Longitude: 33.62117 / -117.80298
Elevation (feet): 400

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

BOW85R0002 BOWLER, P. & S. BROWN - AREAS OF CRITICAL ENVIRONMENTAL CONCERN IN ORANGE COUNTY, CALIFORNIA. PUBLISHED BY SEA AND SAGE AUDUBON SOCIETY 1985-03-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 32722
EO Index: 1280
Key Quad: Tustin (3311767)
Element Code: ARAAD02032
Occurrence Number: 228
Occurrence Last Updated: 1995-12-20

Scientific Name: *Actinemys pallida*
Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G2G3
State: SNR
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

Micro Habitat:

Last Date Observed: 198X-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 198X-XX-XX
Occurrence Rank: Unknown
Owner/Manager: DOD-USMC
Trend: Unknown
Presence: Presumed Extant

Location:

TUSTIN MARINE CORPS AIR STATION; SANTA FE CHANNEL FROM APPROX. IRVINE SIDING TO CONFLUENCE WITH PETERS CANYON CHANNEL.

Detailed Location:

SECTION GIVEN FOR T/R/SEC MAY BE WRONG, ALTERNATE SURVEY TECHNIQUE USED IN ORANGE COUNTY.

Ecological:

SITE IS HELICOPTER AIR STATION.

Threats:

General:

4 OBSERVATIONS OF TURTLES ALONG THIS CHANNEL. CROSS REFERENCE WITH ROBERT FISHER.

PLSS: T05S, R09W, Sec. 27 (S)
Accuracy: non-specific area
Area (acres): 310
UTM: Zone-11 N3730139 E424907
Latitude/Longitude: 33.70858 / -117.81039
Elevation (feet): 56

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

BOW85R0002 BOWLER, P. & S. BROWN - AREAS OF CRITICAL ENVIRONMENTAL CONCERN IN ORANGE COUNTY, CALIFORNIA. PUBLISHED BY SEA AND SAGE AUDUBON SOCIETY 1985-03-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 32723
EO Index: 1377
Key Quad: Tustin (3311767)
Element Code: ARAAD02032
Occurrence Number: 229
Occurrence Last Updated: 1995-12-07

Scientific Name: *Actinemys pallida*
Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened
State: None
CNDDB Element Ranks: **Global:** G2G3
State: SNR

Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

Micro Habitat:

Last Date Observed: 198X-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 198X-XX-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

SAN DIEGO CREEK; 0.2 KM NNE OF HIGHWAY 73 X UNIVERSITY DRIVE, UC IRVINE.

Detailed Location:

Ecological:

Threats:

General:

TURTLE OBSERVED AT SITE; CROSS REFERENCE WITH ROBERT FISHER; TURTLE OBSERVATION BY B. BRATTSTROM (PERS. COM), DATE UNKNOWN.

PLSS: T06S, R09W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3723892 E420350
Latitude/Longitude: 33.65191 / -117.85899
Elevation (feet): 23

County Summary:
Orange

Quad Summary:
Tustin (3311767)

Sources:

BOW85R0002 BOWLER, P. & S. BROWN - AREAS OF CRITICAL ENVIRONMENTAL CONCERN IN ORANGE COUNTY, CALIFORNIA. PUBLISHED BY SEA AND SAGE AUDUBON SOCIETY 1985-03-XX

BRA90U0002 BRATTSTROM, B.H. - LETTER TO DARLENE MCGRIFF (DFG-CNDDB) REGARDING CLEMMYS MARMORATA PALLIDA 1990-02-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 32724
EO Index: 1376
Key Quad: Tustin (3311767)
Element Code: ARAAD02032
Occurrence Number: 230
Occurrence Last Updated: 1995-11-13

Scientific Name: *Actinemys pallida*
Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G2G3
State: SNR
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

Micro Habitat:

Last Date Observed: 198X-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 198X-XX-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

SAN DIEGO CREEK; 1.3 KM ENE OF HIGHWAY 73 X UNIVERSITY DRIVE.

Detailed Location:

Ecological:

Threats:

General:

TURTLE OBSERVED; CROSS REFERENCE WITH ROBERT FISHER.

PLSS: T06S, R09W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3724152 E421474
Latitude/Longitude: 33.65434 / -117.84690
Elevation (feet): 20

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

BOW85R0002 BOWLER, P. & S. BROWN - AREAS OF CRITICAL ENVIRONMENTAL CONCERN IN ORANGE COUNTY, CALIFORNIA. PUBLISHED BY SEA AND SAGE AUDUBON SOCIETY 1985-03-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 32725
EO Index: 1279
Key Quad: Tustin (3311767)
Element Code: ARAAD02032
Occurrence Number: 231
Occurrence Last Updated: 1995-11-13

Scientific Name: *Actinemys pallida*
Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G2G3
State: SNR
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

Micro Habitat:

Last Date Observed: 198X-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 198X-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY-MASON RP
Trend: Unknown
Presence: Presumed Extant

Location:

SAND CANYON WASH; 0.3 KM DOWNSTREAM FROM SAND CANYON RESERVOIR, WILLIAM R. MASON REGIONAL PARK.

Detailed Location:

Ecological:

Threats:

General:

TURTLE OBSERVED; CROSS REFERENCE TO ROBERT FISHER.

PLSS: T06S, R09W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3723596 E426045
Latitude/Longitude: 33.64965 / -117.79756
Elevation (feet): 138

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

BOW85R0002 BOWLER, P. & S. BROWN - AREAS OF CRITICAL ENVIRONMENTAL CONCERN IN ORANGE COUNTY, CALIFORNIA. PUBLISHED BY SEA AND SAGE AUDUBON SOCIETY 1985-03-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	63704	**EO Index:**	63799
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ARAAD02032
Occurrence Number:	357	**Occurrence Last Updated:**	2006-01-18

Scientific Name: *Actinemys pallida*

Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened

State: None

CNDDB Element Ranks: **Global:** G2G3

State: SNR

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

Micro Habitat:

Last Date Observed:	2003-04-02	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2003-04-02	**Occurrence Rank:**	Poor
Owner/Manager:	ORA COUNTY-PARKS & REC	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

DAIRY FORK CREEK, TRIBUTARY TO ALISO CREEK, SW CORNER OF MOULTON PARKWAY AND LAGUNA HILLS ROAD, ALISO VIEJO.

Detailed Location:

SITE IS INCLUDED WITHIN WOOD CANYON AND ALISO CANYON REGIONAL PARKS.

Ecological:

HABITAT SURROUNDING CREEK CONSISTS OF COTTONWOOD-WILLOW RIPARIAN FOREST, DOMINATED BY SALIX LASIOLEPIS AND BACCHARIS SALICIFOLIA. BACCHARIS PILULARIS, FOENICULUM VULGARE, AND HIRSCHFELDIA INCANA COMMON IN ADJACENT SCRUB.

Threats:

THREATENED BY HEAVY RECREATIONAL USE OF ALISO CANYON AND WOOD CANYON REGIONAL PARKS.

General:

1 BABY TURTLE FOUND DOR ON 2 APR 2003; TURTLE PRESUMABLY DIED FROM EXPOSURE WHILE CROSSING THE ROAD TO GET TO THE STREAM.

PLSS:	T07S, R08W, Sec. 04, SE (S)	**Accuracy:**	80 meters	**Area (acres):**	0
UTM:	Zone-11 N3716474 E433789	**Latitude/Longitude:**	33.58593 / -117.71351	**Elevation (feet):**	245

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

LEA03F0008 LEATHERMAN, B. - FIELD SURVEY FORM FOR CLEMMYS (=EMYS) MARMORATA PALLIDA 2003-04-02

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63707
EO Index: 63802
Key Quad: San Juan Capistrano (3311756)
Element Code: ARAAD02032
Occurrence Number: 358
Occurrence Last Updated: 2006-01-18

Scientific Name: *Actinemys pallida*
Common Name: southwestern pond turtle

Listing Status: **Federal:** Proposed Threatened
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G2G3
State: SNR
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_VU-Vulnerable
USFS_S-Sensitive

General Habitat:

Micro Habitat:

Last Date Observed: 2005-05-09
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-05-09
Occurrence Rank: Fair
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

OSO CREEK, JUST WEST OF I-5, 1 MILE SOUTH OF MISSION VIEJO.

Detailed Location:

PRESENCE OF ONLY 2 ADULT MALES SUGGESTS LACK OF RECRUITMENT IN THIS AREA FOR SOME TIME, POSSIBLY DUE TO LACK OF SUITABLE UPLAND EGG-LAYING SITES FOR FEMALES.

Ecological:

HABITAT CONSISTS OF WILLOW RIPARIAN SCRUB AND MULEFAT SCRUB ALONG THE STREAM TERRACE. AQUATIC HABITAT CONTAINS SOME HEAVILY-SHADED RUNS AND LARGE OPEN POOLS, WHICH WERE ARTIFICIALLY-CREATED AT THE BASE OF THE OUTFLOW STRUCTURE UNDER I-5.

Threats:

THREATENED BY LACK OF RECRUITMENT, POSSIBLY DUE TO ABSENCE OF UPLAND EGG-LAYING SITES.

General:

2 MALES, EACH ONE LOCATED IN A SEPARATE POOL, WERE OBSERVED ON 9 MAY 2005.

PLSS: T07S, R08W, Sec. 12, SW (S)
Accuracy: specific area
Area (acres): 22
UTM: Zone-11 N3714970 E437547
Latitude/Longitude: 33.57259 / -117.67291
Elevation (feet): 290

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

LEA05F0001 LEATHERMAN, B. - FIELD SURVEY FORM FOR CLEMMYS (=EMYS) MARMORATA PALLIDA 2005-05-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B0745
Key Quad: El Toro (3311766)
Occurrence Number: 192
EO Index: 112615
Element Code: ARACC01060
Occurrence Last Updated: 2018-09-20

Scientific Name: *Anniella stebbinsi*
Common Name: Southern California legless lizard

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3
State: S3

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive

General Habitat:

GENERALLY SOUTH OF THE TRANSVERSE RANGE, EXTENDING TO NORTHWESTERN BAJA CALIFORNIA. OCCURS IN SANDY OR LOOSE LOAMY SOILS UNDER SPARSE VEGETATION. DISJUNCT POPULATIONS IN THE TEHACHAPI AND PIUTE MOUNTAINS IN KERN COUNTY.

Micro Habitat:

VARIETY OF HABITATS; GENERALLY IN MOIST, LOOSE SOIL. THEY PREFER SOILS WITH A HIGH MOISTURE CONTENT.

Last Date Observed: 1970-XX-XX
Last Survey Date: 1970-XX-XX
Owner/Manager: UNKNOWN
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

LOWER SILVERADO CANYON AT SANTIAGO CYN, N OF IRVINE MESA & SILVERADO CYN RD & E OF BLACK STAR CYN RD, SANTA ANA MTS.

Detailed Location:

ABOUT 10.5 MILES NE OF CENTRAL IRVINE AND EAST OF SANTIAGO CANYON RD. EXACT LOCATION OF COLLECTION SITE UNKNOWN. MAPPED NON-SPECIFICALLY WITH RESPECT TO LOCATION STATED AS ORANGE COUNTY AT "END OF SILVERADO CANYON."

Ecological:

Threats:

General:

1 COLLECTED IN 1970 AND DEPOSITED IN THE CSU LONG BEACH COLLECTIONS.

PLSS: T05S, R08W, Sec. 12, S (S)
UTM: Zone-11 N3734391 E438316
Accuracy: non-specific area
Latitude/Longitude: 33.74779 / -117.66599
Area (acres): 138
Elevation (feet): 988

County Summary:

Orange

Quad Summary:

El Toro (3311766), Black Star Canyon (3311776)

Sources:

BRO80U0001 BRODE, J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - GEOGRAPHIC REFERENCE CARD CATALOG OF SPECIMENS AND FIELD NOTE RECORDS COMPILED BY JOHN BRODE (DFG) 1980-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 99800
EO Index: 112617
Key Quad: Laguna Beach (3311757)
Element Code: ARACC01060
Occurrence Number: 194
Occurrence Last Updated: 2018-09-20

Scientific Name: *Anniella stebbinsi*
Common Name: Southern California legless lizard

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3
State: S3

General Habitat:

GENERALLY SOUTH OF THE TRANSVERSE RANGE, EXTENDING TO NORTHWESTERN BAJA CALIFORNIA. OCCURS IN SANDY OR LOOSE LOAMY SOILS UNDER SPARSE VEGETATION. DISJUNCT POPULATIONS IN THE TEHACHAPI AND PIUTE MOUNTAINS IN KERN COUNTY.

Micro Habitat:

VARIETY OF HABITATS; GENERALLY IN MOIST, LOOSE SOIL. THEY PREFER SOILS WITH A HIGH MOISTURE CONTENT.

Last Date Observed: 1917-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1917-XX-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

LAGUNA BEACH.

Detailed Location:

LOCATION OF COLLECTION ONLY STATED AS LAGUNA BEACH. THIS WAS COLLECTED BEFORE THE COAST HWY WAS BUILT (1926) AND THE AREA NORTH OF LAGUNA CANYON WAS PRIVATELY OWNED (IRVINE RANCH).

Ecological:

TWO OTHER COLLECTIONS OF PROFESSOR HILTON FROM LAGUNA BEACH IN 1917 WERE FOR MARINE FISH. THIS COLLECTION MAY HAVE BEEN FROM BEACH HABITAT.

Threats:

DEVELOPMENT SINCE THE TIME OF COLLECTION.

General:

1 WAS COLLECTED IN 1917 BY PROFESSOR WILLIAM A. HILTON OF POMONA COLLEGE AND DEPOSITED AT THE CORNELL UNIVERSITY MUSEUM OF VERTEBRATES.

PLSS: T07S, R09W, Sec. 25 (S)
Accuracy: 1 mile
Area (acres): 1,987
UTM: Zone-11 N3711433 E428111
Latitude/Longitude: 33.5401 / -117.7743
Elevation (feet): 100

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

HIL17S0001 HILTON, W. - CUMV #7850 COLLECTED AT LAGUNA BEACH 1917-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 81937
Key Quad: Dana Point (3311746)
Occurrence Number: 195
EO Index: 112618
Element Code: ARACC01060
Occurrence Last Updated: 2018-09-20

Scientific Name: *Anniella stebbinsi*
Common Name: Southern California legless lizard

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3
State: S3

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern
USFS_S-Sensitive

General Habitat:

GENERALLY SOUTH OF THE TRANSVERSE RANGE, EXTENDING TO NORTHWESTERN BAJA CALIFORNIA. OCCURS IN SANDY OR LOOSE LOAMY SOILS UNDER SPARSE VEGETATION. DISJUNCT POPULATIONS IN THE TEHACHAPI AND PIUTE MOUNTAINS IN KERN COUNTY.

Micro Habitat:

VARIETY OF HABITATS; GENERALLY IN MOIST, LOOSE SOIL. THEY PREFER SOILS WITH A HIGH MOISTURE CONTENT.

Last Date Observed: 1940-08-26
Last Survey Date: 1940-08-26
Owner/Manager: UNKNOWN
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

SAN JUAN CAPISTRANO.

Detailed Location:

LIKELY COLLECTED FROM THE VICINITY OF ARROYO TRABUCO OR SAN JUAN CREEK.

Ecological:

1938 AERIAL IMAGE SHOWS ARROYO TRABUCO WITH 150 M CREEK BED WITH A NATURAL, MEANDERING PATH; SIMILAR FOR SAN JUAN CRK. THE AREA SURROUNDING THE CITY CENTER WAS ORCHARDS. LOWER ARROYO TRABUCO & PART OF SAN JUAN CRK ARE NOW CONCRETE CHANNELS.

Threats:

DEVELOPMENT AND ALTERED HYDROLOGY SINCE THE TIME OF COLLECTION.

General:

3 COLLECTED ON 26 AUG 1940.

PLSS: T08S, R08W, Sec. 12 (S)
UTM: Zone-11 N3706409 E438379
Accuracy: 1 mile
Latitude/Longitude: 33.49543 / -117.66335
Area (acres): 0
Elevation (feet): 80

County Summary:

Orange

Quad Summary:

Dana Point (3311746), San Juan Capistrano (3311756)

Sources:

ABB40S0003 ABBOTT, W. - SDNHM #33594, 33595 & 33596 COLLECTED AT SAN JUAN CAPISTRANO 1940-08-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02661	**EO Index:**	27956
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ARACF12100
Occurrence Number:	295	**Occurrence Last Updated:**	1996-01-08

Scientific Name: *Phrynosoma blainvillii*

Common Name: coast horned lizard

Listing Status: **Federal:** None

State: None

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G4

State: S4

General Habitat:

FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:

OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.

Last Date Observed:	1988-04-26	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1988-04-26	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT-IRVINE CO	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

PELICAN HILL, APPROX 2 MI ESE OF NEWPORT BEACH.

Detailed Location:

ONE OBS ON APRIL 11, 1988 AND A SECOND (SMALLER IN SIZE) INDIVIDUAL ON APRIL 26, 1988. ONE OF ONLY 4 SITES IN THE SAN JOAQUIN HILLS CONTAINING THIS SSP.

Ecological:

HABITAT CONSISTS OF GRAVELLY BARRENS ON LOWER MARINE TERRACE. SPARSELY VEGETATED.

Threats:

PROPOSED FOR DEVELOPMENT.

General:

3 CNPS-LISTED PLANTS HERE ALSO.

PLSS:	T07S, R09W, Sec. 05 (S)	**Accuracy:**	1/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3717208 E422542	**Latitude/Longitude:**	33.59179 / -117.83477	**Elevation (feet):**	550

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

BRA91R0001	BRATTSTROM, B.H. - STATUS SURVEY OF THE SAN DIEGO HORNED LIZARD (DRAFT) 1991-11-12
MAR88F0003	MARSH, K.G. - FIELD SURVEY FORM FOR PHRYNOSOMA CORONATUM (BLAINVILLII POPULATION) 1988-04-11
MAR88F0004	MARSH, K.G. - FIELD SURVEY FORM FOR PHRYNOSOMA CORONATUM (BLAINVILLII POPULATION) OBSERVED ON PELICAN HILL, ORANGE COUNTY. 1988-04-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 20576
Key Quad: Orange (3311777)
Occurrence Number: 333
EO Index: 9761
Element Code: ARACF12100
Occurrence Last Updated: 2010-12-29

Scientific Name: *Phrynosoma blainvillii*
Common Name: coast horned lizard

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G4
State: S4
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

General Habitat:
FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:
OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.

Last Date Observed: 1922-XX-XX
Last Survey Date: 1922-XX-XX
Owner/Manager: UNKNOWN
Presence: Possibly Extirpated
Occurrence Type: Natural/Native occurrence
Occurrence Rank: None
Trend: Unknown

Location:
VICINITY OF SANTA ANA, ORANGE COUNTY.

Detailed Location:

Ecological:
2009 AERIAL IMAGERY SHOWS THAT THIS AREA IS COMPLETELY DEVELOPED.

Threats:

General:
HISTORICAL SITE; FOUND IN 1922 BY VANDENBURG.

PLSS: T05S, R09W (S)
UTM: Zone-11 N3735831 E419873
Accuracy: 1 mile
Latitude/Longitude: 33.75954 / -117.86522
Area (acres): 0
Elevation (feet): 135

County Summary:
Orange

Quad Summary:
Tustin (3311767), Newport Beach (3311768), Orange (3311777), Anaheim (3311778)

Sources:
BRA91R0001 BRATTSTROM, B.H. - STATUS SURVEY OF THE SAN DIEGO HORNED LIZARD (DRAFT) 1991-11-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 20567
EO Index: 8392
Key Quad: Canada Gobernadora (3311755)
Element Code: ARACF12100
Occurrence Number: 341
Occurrence Last Updated: 1992-09-25

Scientific Name: *Phrynosoma blainvillii*
Common Name: coast horned lizard

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:

OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.

Last Date Observed: 1990-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1990-XX-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

NORTH SIDE OF ORTEGA HWY (HWY 74), BETWEEN CANADA CHIQUITA AND TIJERAS CANYON.

Detailed Location:

ONE LOCATION IN SECTION 9 AND ONE LOCATION IN SECTION 4.

Ecological:

Threats:

General:

BONTRAGER DETECTED 2 INDIVIDUALS IN 1989-1990 IN SECTIONS 4 AND 9; BRATTSTROM CITATION AS FOLLOWS: RECENT OBSERVATION (1985-91); SOURCE UNKNOWN.

PLSS: T07S, R07W, Sec. 09 (S)
Accuracy: 3/5 mile
Area (acres): 0
UTM: Zone-11 N3715762 E442678
Latitude/Longitude: 33.58003 / -117.61768
Elevation (feet): 750

County Summary:

Orange

Quad Summary:

Canada Gobernadora (3311755), San Juan Capistrano (3311756)

Sources:

BON91R0001 BONTRAGER, D. - BIOL. ASSESSMENT OF THE RIVERSIDE CEMENT RANCHO MISSION VIEJO CLAYMINE LEASEHOLD (PART 1 & 2), & FOOTHILL TRANS. CORRIDORS & HABITAT REQ. & BREEDING BIOLOGY OF THE GNATCATCHER 1991-08-22

BRA91R0001 BRATTSTROM, B.H. - STATUS SURVEY OF THE SAN DIEGO HORNED LIZARD (DRAFT) 1991-11-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21133
Key Quad: El Toro (3311766)
Occurrence Number: 376
EO Index: 25029
Element Code: ARACF12100
Occurrence Last Updated: 2011-02-02

Scientific Name: *Phrynosoma blainvillii*
Common Name: coast horned lizard

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G4
State: S4
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

General Habitat:

FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:

OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.

Last Date Observed: 1991-06-20
Last Survey Date: 1991-06-20
Owner/Manager: DOD-EL TORO MCAS
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

BORREGO CANYON WASH, ABOUT 1.25 MI E OF EL TORO MARINE CORPS AIR STATION & 2.75 MI NE OF JUNCTION OF I-5 & I-405.

Detailed Location:

Ecological:

LIZARD SCAT OBSERVED IN A FLAT AREA SPARSELY VEGETATED WITH SHORT-PODDED MUSTARD. SEVERAL HARVESTER ANT COLONIES SEEN ALSO.

Threats:

EXTENSION OF ALTON PARKWAY.

General:

LOCAL USERS OF THE SITE HAVE REPORTED NUMEROUS SIGHTINGS OF HORNED LIZARDS IN THE NORTHERN PART OF THE SITE.

PLSS: T06S, R08W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3725493 E435543
Latitude/Longitude: 33.66738 / -117.69527
Elevation (feet): 500

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

KEA91U0001 KEANE, K. - LETTER ON THE RESULTS OF A BIOLOGICAL SURVEY FOR THE PROPOSED EXTENSION OF ALTON PARKWAY IN ORANGE COUNTY. 1991-07-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52176
EO Index: 52176
Key Quad: Laguna Beach (3311757)
Element Code: ARACF12100
Occurrence Number: 483
Occurrence Last Updated: 2003-08-20

Scientific Name: *Phrynosoma blainvillii*
Common Name: coast horned lizard

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S4
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

General Habitat:

FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:

OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

WEST SIDE OF MUDDY CANYON, SAN JOAQUIN HILLS; APPROXIMATELY 3 MILES EAST OF NEWPORT BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURING 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T07S, R09W, Sec. 03 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3717615 E424861
Latitude/Longitude: 33.59562 / -117.80981
Elevation (feet): 960

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52179
EO Index: 52179
Key Quad: Laguna Beach (3311757)
Element Code: ARACF12100
Occurrence Number: 484
Occurrence Last Updated: 2003-08-20

Scientific Name: *Phrynosoma blainvillii*
Common Name: coast horned lizard

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S4
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

General Habitat:

FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:

OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

HEAD OF CANYON (BETWEEN MUDDY CYN & MORO CYN) THAT JOINS MORO CANYON, SAN JOAQUIN HILLS; 3.5 MI W NEWPORT BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURING 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T07S, R09W, Sec. 03 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3717949 E425836
Latitude/Longitude: 33.59871 / -117.79934
Elevation (feet): 760

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52189
EO Index: 52189
Key Quad: Laguna Beach (3311757)
Element Code: ARACF12100
Occurrence Number: 485
Occurrence Last Updated: 2003-08-20

Scientific Name: *Phrynosoma blainvillii*
Common Name: coast horned lizard

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S4
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

General Habitat:

FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:

OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

AREA BETWEEN BOAT CANYON AND LAGUNA CANYON, 0.7 MILE NORTH OF LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED AT 3 LOCATIONS DURING 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T07S, R09W, Sec. 24 (S)
Accuracy: non-specific area
Area (acres): 68
UTM: Zone-11 N3713138 E427505
Latitude/Longitude: 33.55543 / -117.78096
Elevation (feet): 600

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52190
EO Index: 52190
Key Quad: Laguna Beach (3311757)
Element Code: ARACF12100
Occurrence Number: 486
Occurrence Last Updated: 2003-08-20

Scientific Name: *Phrynosoma blainvillii*
Common Name: coast horned lizard

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S4
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

General Habitat:

FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:

OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

SW SIDE OF TRIBUTARY TO LAGUNAS CREEK, 0.6 MI WEST OF LAGUNA CANYON; 1.4 MILES NORTH OF LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURING 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T07S, R09W, Sec. 13 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3714347 E428165
Latitude/Longitude: 33.56638 / -117.77395
Elevation (feet): 500

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52191
EO Index: 52191
Key Quad: Laguna Beach (3311757)
Element Code: ARACF12100
Occurrence Number: 487
Occurrence Last Updated: 2003-08-20

Scientific Name: *Phrynosoma blainvillii*
Common Name: coast horned lizard

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S4
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

General Habitat:

FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:

OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

AREA BETWEEN BOMMER CANYON AND SHADY CANYON, 1.6 MILES WEST OF LAGUNA CANYON RD, SAN JOAQUIN HILLS; 4 MI N LAGUNA BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURING 3 SURVEYS CONDUCTED BETWEEN FEB AND AUG 2001.

PLSS: T06S, R09W, Sec. 35 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3719204 E427004
Latitude/Longitude: 33.61010 / -117.78685
Elevation (feet): 880

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	53075	**EO Index:**	53075
Key Quad:	El Toro (3311766)	**Element Code:**	ARACF12100
Occurrence Number:	501	**Occurrence Last Updated:**	2003-10-28

Scientific Name: *Phrynosoma blainvillii*

Common Name: coast horned lizard

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G4
State: S4

Rare Plant Rank:

Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

General Habitat:

FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:

OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.

Last Date Observed:	1999-12-01	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1999-12-01	**Occurrence Rank:**	Unknown
Owner/Manager:	TNC	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

LOMA RIDGE, SOUTH AND WEST OF LIMESTONE CANYON. ABOUT 3 MILES SSE OF SANTIAGO RESERVOIR.

Detailed Location:

SITE NAME: LIMESTONE CANYON. THIS SITE IS PART OF THE CENTRAL PLAN FOR ORANGE COUNTY. PIT-FALL TRAP ARRAYS 8, & 14-17.

Ecological:

Threats:

General:

43 TAKEN IN PIT-FALL TRAP ARRAY 8 & 23 TAKEN IN ARRAYS 14-17 (1-13 CAPTURES PER ARRAY). 22 SAMPLING PERIODS FROM 8/22/1995 TO 12/1/1999 (210 SAMPLE DAYS) FOR ALL 17 ARRAYS AT THIS SITE, UNKNOWN EXACTLY WHICH DATES APPLY TO THESE ARRAYS.

PLSS:	T05S, R08W, Sec. 14 (S)	**Accuracy:**	specific area	**Area (acres):**	31
UTM:	Zone-11 N3733137 E435985	**Latitude/Longitude:**	33.73634 / -117.69105	**Elevation (feet):**	1,400

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

FIS00R0001	FISHER, R. & T. CASE (CALIFORNIA STATE UNIVERSITY, SACRAMENTO) - SOUTHERN CALIFORNIA HERPETOFAUNA RESEARCH AND MONITORING: 1995-1999 DATA SUMMATION REPORT 2000-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53909
EO Index: 53909
Key Quad: San Juan Capistrano (3311756)
Element Code: ARACF12100
Occurrence Number: 504
Occurrence Last Updated: 2004-01-13

Scientific Name: *Phrynosoma blainvillii*
Common Name: coast horned lizard

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G4
State: S4

Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

General Habitat:
FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:
OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.

Last Date Observed: 2001-07-19
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-07-19
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY-ALISO/WOOD CYN RP
Trend: Unknown
Presence: Presumed Extant

Location:
ALONG ALISO CREEK, APPROX 1.6 MI DIRECTLY W OF THE INTERSECTION OF I-5 & NIGUEL ROAD, W OF LAGUNA NIGUEL.

Detailed Location:

Ecological:
HABITAT IN AREA CONSISTS OF COASTAL SAGE SCRUB AND NON-NATIVE GRASSLAND.

Threats:

General:
UNKNOWN NUMBER OBSERVED BETWEEN 2 MAY AND 19 JUL 2001 DURING LEAST BELL'S VIREO/SOUTHWESTERN WILLOW FLYCATCHER SURVEYS.

PLSS: T07S, R08W, Sec. 32, NW (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3709906 E431293
Latitude/Longitude: 33.52653 / -117.73990
Elevation (feet): 80

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756)

Sources:

DUD01U0010 DUDEK & ASSOCIATES, INC. - LEAST BELL'S VIREO & SOUTHWESTERN WILLOW FLYCATCHER SURVEY FOR THE ALISO CREEK EMERGENCY SEWER AND PARKS IMPROVEMENT PROJECT, ORANGE COUNTY, CALIFORNIA 2001-09-10

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 81937
Key Quad: Dana Point (3311746)
Occurrence Number: 766
EO Index: 82910
Element Code: ARACF12100
Occurrence Last Updated: 2014-04-11

Scientific Name: *Phrynosoma blainvillii*
Common Name: coast horned lizard

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G4
State: S4
Rare Plant Rank:
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

General Habitat:

FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:

OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.

Last Date Observed: 1939-05-20
Last Survey Date: 1939-05-20
Owner/Manager: UNKNOWN
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Poor
Trend: Unknown

Location:

SAN JUAN CAPISTRANO, ORANGE COUNTY.

Detailed Location:

USNM SPECIMEN #44853 COLLECTED AT "CAPISTRANO." SDNHM SPECIMEN #31520 STATED LOCALITY AS "SAN JUAN CAPISTRANO." EXACT LOCATIONS UNKNOWN; MAPPED TO THE CITY SAN JUAN CAPISTRANO.

Ecological:

MUCH OF AREA HAS BEEN DEVELOPED (AERIAL PHOTOS 1994-2012).

Threats:

THREATENED BY DEVELOPMENT.

General:

USNM SPECIMEN #44853 COLLECTED ON 11 JUL 1907. SDNHM SPECIMEN #31520 COLLECTED BY CHARLES SHAW ON 20 MAY 1939.

PLSS: T08S, R08W, Sec. 12 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3706409 E438379
Latitude/Longitude: 33.49543 / -117.66335
Elevation (feet): 80

County Summary:	Quad Summary:
Orange	Dana Point (3311746), San Juan Capistrano (3311756)

Sources:

ANO07S0004 ANONYMOUS - USNM #44853 1907-07-11

SHA39S0007 SHAW, C. (SAN DIEGO NATURAL HISTORY MUSEUM) - SDNHM SPECIMEN #31520 1939-05-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A6619
EO Index: 108386
Key Quad: El Toro (3311766)
Element Code: ARACF12100
Occurrence Number: 888
Occurrence Last Updated: 2017-09-29

Scientific Name: *Phrynosoma blainvillii*
Common Name: coast horned lizard

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S4
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern

General Habitat:

FREQUENTS A WIDE VARIETY OF HABITATS, MOST COMMON IN LOWLANDS ALONG SANDY WASHES WITH SCATTERED LOW BUSHES.

Micro Habitat:

OPEN AREAS FOR SUNNING, BUSHES FOR COVER, PATCHES OF LOOSE SOIL FOR BURIAL, AND ABUNDANT SUPPLY OF ANTS AND OTHER INSECTS.

Last Date Observed: 2017-03-14
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-03-14
Occurrence Rank: Good
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

0.4 MI ESE OF E SANTIAGO CYN RD AT MODJESKA GRADE RD & 0.4 MI NE OF TOPANGA CYN RD AT WOOD CYN RD, NE OF LAKE FOREST.

Detailed Location:

MAPPED TO PROVIDED COORDINATES.

Ecological:

SOUTHERN MIXED CHAPARRAL WITH BLACK SAGE, LAUREL SUMAC & SUGAR BUSH.

Threats:

DEVELOPMENT.

General:

1 ADULT OBSERVED ON 14 MAR 2017.

PLSS: T05S, R07W, Sec. 32, NE (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3728686 E441948
Latitude/Longitude: 33.69654 / -117.6264
Elevation (feet): 1,461

County Summary:

Orange

Quad Summary:

Santiago Peak (3311765), El Toro (3311766)

Sources:

SIN17F0002 SINGLETON, L. - FIELD SURVEY FORM FOR PHRYNOSOMA BLAINVILLII 2017-03-14

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 22038
EO Index: 63868
Key Quad: Laguna Beach (3311757)
Element Code: ARACJ02060
Occurrence Number: 38
Occurrence Last Updated: 2012-03-16

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S2S3
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:

PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 1950-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1950-XX-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

LAGUNA BEACH.

Detailed Location:

EXACT LOCATION IS UNKNOWN. LOCATION STATED AS "LAGUNA BEACH" AND SO IS MAPPED AT LAGUNA BEACH AND INCLUDES LAGUNA CANYON AND SURROUNDING AREA.

Ecological:

Threats:

General:

BRATTSTROM REPORTED A 1950 RECORD OF THE SPECIES AT THIS LOCATION. STEBBINS REPORTED THIS LOCATION AS A BOUNDARY OF THE SPECIES RANGE IN 1972.

PLSS: T07S, R09W, Sec. 24 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3712920 E427656
Latitude/Longitude: 33.55348 / -117.77931
Elevation (feet): 500

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

BRA90U0001 BRATTSTROM, B. - LETTER TO DARLENE MCGRIFF (DFG) WITH 8 ATTACHMENTS - CONCERNING HISTORICAL AND CURRENT LOCATIONS OF ORANGE-THROATED WHIPTAIL. 1990-06-18

STE72B0001 STEBBINS, R. - AMPHIBIANS AND REPTILES OF CALIFORNIA 1972-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63711
EO Index: 63806
Key Quad: Newport Beach (3311768)
Element Code: ARACJ02060
Occurrence Number: 39
Occurrence Last Updated: 2012-03-05

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S2S3
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:

PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 1950-07-02
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1950-07-02
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Extirpated

Location:

CORONA DEL MAR.

Detailed Location:

LOCATION STATED AS "ORANGE CO: CORONA DEL MAR: ON BLUFF."

Ecological:

Threats:

General:

LACM #14747 COLLECTED BY LIVEBAUGH ON 2 JUL 1950. ACCORDING TO BRATTSTROM, SPECIES EXTINCT AT SITE IN 1990.

PLSS: T06S, R10W, Sec. 36 (S)
Accuracy: 3/5 mile
Area (acres): 0
UTM: Zone-11 N3718488 E418223
Latitude/Longitude: 33.60301 / -117.88143
Elevation (feet): 85

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757), Newport Beach (3311768)

Sources:

BRA90U0001 BRATTSTROM, B. - LETTER TO DARLENE MCGRIFF (DFG) WITH 8 ATTACHMENTS - CONCERNING HISTORICAL AND CURRENT LOCATIONS OF ORANGE-THROATED WHIPTAIL. 1990-06-18

HER06S0001 HERPNET - PRINTOUT OF RECORDS FROM HERPNET. SEARCHED ON ASPIDOSCELIS HYPERYTHRA BELDINGI, ASPIDOSCELIS HYPERYTHRA, & CNEMIDOPHORUS HYPERYTHRUS. RECORDS FROM SDNHM, LACM, SBMNH, KUNHM. 2006-02-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02609	**EO Index:**	27666
Key Quad:	Laguna Beach (3311757)	**Element Code:**	ARACJ02060
Occurrence Number:	40	**Occurrence Last Updated:**	2012-03-05

Scientific Name: *Aspidoscelis hyperythra* **Common Name:** orange-throated whiptail

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G5
State: S2S3

Rare Plant Rank:

Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:

PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed:	1991-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1991-XX-XX	**Occurrence Rank:**	Unknown
Owner/Manager:	DPR-CRYSTAL COVE SP, UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

GENERAL AREA OF CRYSTAL COVE STATE PARK NEAR PACIFIC COAST HWY (SR 1) AT NEWPORT COAST DR, 1 MI SE CORONA DEL MAR.

Detailed Location:

WHIPTAILS OBSERVED ALONG MUCH OF THE COASTAL TERRACE AT PELICAN POINT. ORIGINAL SITE NOT CLEAR; HOWEVER, IT WAS MAPPED AT PELICAN POINT IN CRYSTAL COVE STATE PARK.

Ecological:

COASTAL SAGE SCRUB.

Threats:

General:

LACM SPECIMEN #7764 COLLECTED 6 SEPT 1946. BRATTSTROM CONSIDERED THE POPULATION EXTIRPATED AT THIS SITE IN 1990. HOWEVER, 2 WERE OBSERVED IN THE UNDISTURBED SAMPLE SITE AND 3 ON THE CLIFF TOP NEARBY IN A 1991 SURVEY.

PLSS:	T07S, R09W, Sec. 07 (S)	**Accuracy:**	2/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3716327 E420997	**Latitude/Longitude:**	33.58373 / -117.85135	**Elevation (feet):**	74

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

BRA90U0001	BRATTSTROM, B. - LETTER TO DARLENE MCGRIFF (DFG) WITH 8 ATTACHMENTS - CONCERNING HISTORICAL AND CURRENT LOCATIONS OF ORANGE-THROATED WHIPTAIL. 1990-06-18
CLA92R0001	CLARK, R. & A. SCHOENHERR - HERPETOFAUNA STUDIES AT CRYSTAL COVE STATE PARK 1992-09-29
HER06S0001	HERPNET - PRINTOUT OF RECORDS FROM HERPNET. SEARCHED ON ASPIDOSCELIS HYPERYTHRA BELDINGI, ASPIDOSCELIS HYPERYTHRA, & CNEMIDOPHORUS HYPERYTHRUS. RECORDS FROM SDNHM, LACM, SBMNH, KUNHM. 2006-02-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 20318
Key Quad: San Juan Capistrano (3311756)
Occurrence Number: 161

EO Index: 10113
Element Code: ARACJ02060
Occurrence Last Updated: 1992-03-10

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G5
State: S2S3

Rare Plant Rank:

Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:

PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 1990-XX-XX
Last Survey Date: 1990-XX-XX
Owner/Manager: UNKNOWN
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

ALISO STATE BEACH, SOUTH LAGUNA.

Detailed Location:

25 METERS E OF BEACH PARKING LOT, EAST OF PACIFIC COAST HWY.

Ecological:

Threats:

General:

BRATTSTROM CITES SOURCE OF INFORMATION AS D. STRONG AND B. LEATHERMAN.

PLSS: T08S, R08W, Sec. 06 (S)
UTM: Zone-11 N3708027 E430296

Accuracy: 1/5 mile
Latitude/Longitude: 33.50952 / -117.75050

Area (acres): 0
Elevation (feet): 60

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

BRA91R0002 BRATTSTROM, B.H. - STATUS SURVEY OF THE ORANGE-THROATED WHIPTAIL, CNEMIDOPHORUS HYPERYTHRUS BELDINGI. (DRAFT) 370PP. 1991-09-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 20240
EO Index: 12014
Key Quad: Laguna Beach (3311757)
Element Code: ARACJ02060
Occurrence Number: 168
Occurrence Last Updated: 1992-03-10

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S2S3
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:

PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 1988-05-02
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-05-02
Occurrence Rank: Excellent
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

0.6 MILE NNE OF INTERSECTION OF LAGUNA CANYON ROAD AND EL TORO ROAD, 3 MI NNE OF LAGUNA BEACH.

Detailed Location:

LIZARD FOUND ON WEST FACING HILLSIDE (FACING LAGUNA CANYON ROAD).

Ecological:

HABITAT CONSISTS OF COASTAL SAGE SCRUB WITH OPUNTIA PROLIFERA AND ERIOGONUM FASCICULATUM; ALSO, FRIABLE SOILS AND ROCK OUTCROPS.

Threats:

THREATENED BY A PROPOSED FREEWAY ROUTE.

General:

ONE ADULT FEMALE OBSERVED.

PLSS: T07S, R08W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3717038 E429658
Latitude/Longitude: 33.59075 / -117.75807
Elevation (feet): 300

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

SCH88F0018 SCHEIDT, V.N. - FIELD SURVEY FORM FOR ASPIDOSCELIS HYPERYTHRA (ORANGE-THROATED WHIPTAIL) 1988-05-02

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	20238	**EO Index:**	10076
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	ARACJ02060
Occurrence Number:	169	**Occurrence Last Updated:**	1992-03-10

Scientific Name: *Aspidoscelis hyperythra*

Common Name: orange-throated whiptail

Listing Status: **Federal:** None

State: None

Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5

State: S2S3

Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:

PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed:	1988-05-05	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1988-05-05	**Occurrence Rank:**	Excellent
Owner/Manager:	PVT-MISSION VIEJO CO	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

NEAR CREST OF ALISO VIEJO RIDGE ABOUT 4 MILES NNW OF LAGUNA NIGUEL.

Detailed Location:

Ecological:

HABITAT CONSISTS OF OPEN SAGE SCRUB WITH ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, OPUNTIA PROLIFERA, AND OTHERS.

Threats:

THIS SITE IS ALONG THE PROPOSED SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR (PROPOSED FREEWAY ROUTE).

General:

2 ADULTS OBSERVED AT TWO SEPARATE SITES ABOUT 0.2 MILE APART.

PLSS:	T07S, R08W (S)	**Accuracy:**	1/5 mile	**Area (acres):**	0
UTM:	Zone-11 N3715438 E431217	**Latitude/Longitude:**	33.57642 / -117.74115	**Elevation (feet):**	730

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

SCH88F0019 SCHEIDT, V.N. - FIELD SURVEY FORM FOR ASPIDOSCELIS HYPERYTHRA (ORANGE-THROATED WHIPTAIL) 1988-05-05

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 20475
Key Quad: El Toro (3311766)
Occurrence Number: 180
EO Index: 24012
Element Code: ARACJ02060
Occurrence Last Updated: 1992-03-26

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5
State: S2S3
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:

PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 1991-11-17
Last Survey Date: 1991-11-17
Owner/Manager: PVT-HON/FOOTHILL RANCH
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Excellent
Trend: Unknown

Location:

UPPER ALISO CREEK WATERSHED, JUST NORTH OF EL TORO ROAD, APPROXIMATELY 4 MI NE OF EL TORO.

Detailed Location:

Ecological:

HABITAT IS A SERIES OF SW-RUNNING RIDGES VEGETATED BY SOUTHERN CACTUS SCRUB & A MOSAIC OF COASTAL SAGE SCRUB & ANNUAL/NATIVE GRASSLANDS. DOMINANT PLANTS INCLUDE ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, NASSELLA PULCHRA, ARISTIDA SP.

Threats:

THREATENED BY DEVELOPMENT AND HABITAT DESTRUCTION (GRUBBING/GRADING); WITHIN APPROVED FOOTHILL TRANSPORTATION CORRIDOR.

General:

ONE JUVENILE OBSERVED FORAGING. SAN DIEGO CACTUS WRENS AND CALIFORNIA GNATCATCHERS ALSO INHABIT THIS BIOLOGICALLY UNIQUE AREA.

PLSS: T06S, R07W (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3725261 E440210
Latitude/Longitude: 33.66556 / -117.64492
Elevation (feet): 900

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

ROB91F0023 ROBERTS, F. - FIELD SURVEY FORM FOR ASPIDOSCELIS HYPERYTHRA (=CNEMIDOPHORUS HYPERYTHRUS BELDINGI) 1991-11-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21186
EO Index: 13752
Key Quad: Laguna Beach (3311757)
Element Code: ARACJ02060
Occurrence Number: 196
Occurrence Last Updated: 1992-06-23

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S2S3
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:

PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 1991-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-XX-XX
Occurrence Rank: Unknown
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:

LAGUNA CANYON, ABOUT 2 MILES NNE OF JUNCTION OF LAGUNA BEACH ROAD AND EL TORO ROAD.

Detailed Location:

TWO OBSERVATIONS, ONE ON EITHER SIDE OF SMALL IMPOUNDMENT.

Ecological:

MODERATE SLOPES DOMINATED BY COASTAL SAGE SCRUB.

Threats:

THREATENED BY A PROPOSED TOLLROAD.

General:

LIZARDS EXPECTED THROUGHOUT THE LAGUNA LAUREL PROJECT AREA WHERE COASTAL SAGE SCRUB IS FOUND.

PLSS: T06S, R08W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3719142 E429880
Latitude/Longitude: 33.60974 / -117.75585
Elevation (feet): 500

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

CHA91R0001 CHAMBERS GROUP, INC. - LAGUNA LAUREL BIOLOGICAL RESOURCES REPORT (FINAL) 1991-09-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21185
EO Index: 12230
Key Quad: Laguna Beach (3311757)
Element Code: ARACJ02060
Occurrence Number: 197
Occurrence Last Updated: 2006-04-10

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G5
State: S2S3

General Habitat:

INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:

PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 1991-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-XX-XX
Occurrence Rank: Unknown
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:

LAGUNA CANYON, ABOUT 2.3 MI N JUNCTION OF LAGUNA BEACH ROAD (HWY 133) & EL TORO ROAD (COUNTY HWY 18), W OF HWY 133.

Detailed Location:

ONE OBSERVATION.

Ecological:

MODERATE SLOPES WITH COASTAL SAGE SCRUB VEGETATION.

Threats:

THREATENED BY A PROPOSED TOLLROAD.

General:

LIZARDS ARE EXPECTED TO OCCUR THROUGHOUT THE LAGUNA LAUREL PROJECT AREA WHERE COASTAL SAGE SCRUB IS FOUND.

PLSS: T06S, R08W, Sec. 30, SW (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3719872 E429236
Latitude/Longitude: 33.61628 / -117.76284
Elevation (feet): 500

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

CHA91R0001 CHAMBERS GROUP, INC. - LAGUNA LAUREL BIOLOGICAL RESOURCES REPORT (FINAL) 1991-09-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21184
EO Index: 20451
Key Quad: Laguna Beach (3311757)
Element Code: ARACJ02060
Occurrence Number: 198
Occurrence Last Updated: 1992-06-23

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S2S3
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:

PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 1991-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-XX-XX
Occurrence Rank: Unknown
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:

WEST SLOPES OF LAGUNA CANYON, SAN JOAQUIN HILLS, 1.5 MILES NNW OF JUNCTION OF LAGUNA CANYON RD (HWY 133) & EL TORO RD.

Detailed Location:

FIVE OBSERVATIONS THROUGHOUT THIS AREA.

Ecological:

MODERATE SLOPES WITH COASTAL SAGE SCRUB VEGETATION.

Threats:

THREATENED BY A PROPOSED TOLLROAD.

General:

LIZARDS ARE EXPECTED TO OCCUR THROUGHOUT THE LAGUNA LAUREL PROJECT AREA WHERE COASTAL SAGE SCRUB IS FOUND.

PLSS: T06S, R09W (S)
Accuracy: 2/5 mile
Area (acres): 0
UTM: Zone-11 N3718408 E428498
Latitude/Longitude: 33.60303 / -117.77069
Elevation (feet): 600

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

CHA91R0001 CHAMBERS GROUP, INC. - LAGUNA LAUREL BIOLOGICAL RESOURCES REPORT (FINAL) 1991-09-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B4283	**EO Index:**	11624
Key Quad:	El Toro (3311766)	**Element Code:**	ARACJ02060
Occurrence Number:	199	**Occurrence Last Updated:**	2019-10-21

Scientific Name: *Aspidoscelis hyperythra*

Common Name: orange-throated whiptail

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G5

State: S2S3

Rare Plant Rank:

Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:

PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed:	2017-06-22	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2017-06-22	**Occurrence Rank:**	Fair
Owner/Manager:	ORA COUNTY, UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

BORREGO CANYON WASH, FROM ABOUT 0.4 TO 0.8 MI NE OF IRVINE BLVD AT ALTON PKWY & 1.4 TO 1.8 MI SW OF CA-241 AT ALTON PKWY

Detailed Location:

MAPPED TO LOCATIONS PROVIDED FOR 1991 DETECTIONS AND COORDINATES GIVEN FOR 2012 & 2017 DETECTIONS. EXACT LOCATION OF 2002 & 2013 DETECTIONS UNKNOWN, BUT THE SURVEYS TOOK PLACE IN THIS VICINITY. FORMER EL TORO MARINE CORPS AIR STATION.

Ecological:

1991: 50-ACRE SITE W/MIX OF WASHES, NON-NATIVE GRASSLAND & COASTAL SAGE SCRUB (CSS). 2012: DRY WASH W/SCATTERED MULEFAT & WILLOWS, CSS ON ADJACENT HILLSIDES. 2017: MITIGATION SITE ADJACENT TO ORANGE COUNTY GREAT PARK, OPEN AREA W/ROCKS, CSS

Threats:

EXTENSION OF ALTON PARKWAY IN MID-2000S. NOISE & ACTIVITY OF GREEN WASTE FACILITY, SHOOTING RANGE, & STORAGE YARD (2017)

General:

6 OBSERVED MAY-JUN 1991. 1 OBS, 1992. OBSERVED IN VICINITY DURING BIRD SURVEYS, MAY-JUL 2002. OBSERVED IN 2006 & 2007. 2 ADULTS OBS, 26 MAY 2012; ABUNDANT IN JUN 2012. 1 ADULT OBSERVED 22 JUN 2017.

PLSS:	T06S, R08W, Sec. 10 (S)	**Accuracy:**	specific area	**Area (acres):**	37
UTM:	Zone-11 N3725560 E435456	**Latitude/Longitude:**	33.66798 / -117.69621	**Elevation (feet):**	526

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

AGU17F0003	AGUAYO, J. - FIELD SURVEY FORM FOR ASPIDOSCELIS HYPERYTHRA 2017-06-22
CLA13R0002	CLARK, K. (SAN DIEGO NATURAL HISTORY MUSEUM) - EL TORO CONSERVATION AREA POST-FIRE ASSESSMENT. PREPARED FOR THE NATURE RESERVE OF ORANGE COUNTY, IRVINE, CA. 2013-05-13
KEA91U0001	KEANE, K. - LETTER ON THE RESULTS OF A BIOLOGICAL SURVEY FOR THE PROPOSED EXTENSION OF ALTON PARKWAY IN ORANGE COUNTY. 1991-07-12
LEA12F0006	LEATHERMAN, B. - FIELD SURVEY FORM FOR ASPIDOSCELIS HYPERYTHRA 2012-05-26
WHI02U0001	WHITE & LEATHERMAN BIOSERVICES - RESULTS OF FOCUSED SURVEYS FOR THE SOUTHWESTERN WILLOW FLYCATCHER, LEAST BELL'S VIREO AND CALIFORNIA GNATCATCHER FOR THE ALTON PARKWAY EXTENSION PROJECT, ORANGE COUNTY. 2002-09-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21397
EO Index: 8377
Key Quad: El Toro (3311766)
Element Code: ARACJ02060
Occurrence Number: 205
Occurrence Last Updated: 1995-11-13

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5
State: S2S3

Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:
INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:
PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 1990-09-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1990-09-24
Occurrence Rank: Excellent
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
HILLS SOUTHEAST OF SIPHON RESERVOIR, ABOUT 1.5 MILES NORTH OF EL TORO MARINE CORPS AIR STATION.

Detailed Location:

Ecological:
ABOUT 75 ACRES OF HIGH QUALITY COASTAL SAGE SCRUB. DOMINANT PLANTS INCLUDE ARTEMISIA CALIFORNICA, AND ERIOGONUM FASCICULATUM. CITRUS AND AVOCADO GROVES SURROUND THE SITE.

Threats:
THIS SITE IS WITHIN THE ALIGNMENT OF THE EASTERN TRANSPORTATION CORRIDOR.

General:
ONE LIZARD OBSERVED. GNATCATCHERS AND CACTUS WRENS ALSO FOUND HERE.

PLSS: T05S, R08W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3730050 E432557
Latitude/Longitude: 33.70829 / -117.72783
Elevation (feet): 500

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:
BEN91R0001 BENNER, M. ET AL. - DRAFT EIR/EIS FOR THE EASTERN TRANSPORTATION CORRIDOR 2 (P & D TECHNOLOGIES, ORANGE COUNTY) 1991-09-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 40021
Key Quad: El Toro (3311766)
Occurrence Number: 253
EO Index: 35023
Element Code: ARACJ02060
Occurrence Last Updated: 1998-10-27

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5
State: S2S3
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:

PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 1991-09-13
Last Survey Date: 1991-09-13
Owner/Manager: UNKNOWN
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Excellent
Trend: Unknown

Location:

FOOTHILLS OF SANTA ANA MOUNTAINS, JUST NORTH OF AGUA CHINON WASH.

Detailed Location:

ON USGS 7.5 MINUTE EL TORO QUAD THE SECTION IS GIVEN AS 151.

Ecological:

SOUTHERN MIXED CHAPARRAL (3.2) AND CAOSTAL SAGE SCRUB (2.3.1).

Threats:

POTENTIAL DEVELOPMENT PROPOSED.

General:

3 HATCHLINGS OBSERVED ALONG EDGE OF SANDY HIKING TRAIL FOR AN IN-PROGRESS PROJECT.

PLSS: T05S, R08W, Sec. 26 (S)
Accuracy: 2/5 mile
Area (acres): 0
UTM: Zone-11 N3729550 E436767
Latitude/Longitude: 33.70404 / -117.68236
Elevation (feet): 1,100

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

SCH91F0020 SCHROEDER, M. - FIELD SURVEY FORM FOR ASPIDOSCELIS HYPERYTHRA (=CNEMIDOPHORUS HYPERYTHRUS BELDINGI) 1991-09-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52628
EO Index: 52628
Key Quad: El Toro (3311766)
Element Code: ARACJ02060
Occurrence Number: 323
Occurrence Last Updated: 2003-09-24

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive
CNDDB Element Ranks: **Global:** G5
State: S2S3

General Habitat:
INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:
PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 2002-03-12
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2002-03-12
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
SE OF SERRANO CREEK AND NW OF ALISO CREEK AND EL TORO ROAD; LAKE FOREST, NE OF EL TORO.

Detailed Location:
PORTOLA HILLS SITE.

Ecological:
HABITAT CONSISTS OF COASTAL SAGE SCRUB, ANNUAL GRASSLAND, NON-NATIVE GRASSLAND, RIPARIAN AND RUDERAL AREAS.

Threats:

General:
UNKNOWN NUMBER OBS DURING CALIFORNIA GNATCATCHER SURVEYS CONDUCTED 18 FEB - 12 MAR 2002.

PLSS: T06S, R07W, Sec. 05 (S)
Accuracy: non-specific area
Area (acres): 318
UTM: Zone-11 N3726082 E441134
Latitude/Longitude: 33.67301 / -117.63500
Elevation (feet): 1,000

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

NRC02U0003 BENSON, T. (NATURAL RESOURCE CONSULTANTS) - RESULTS OF FOCUSED COASTAL CALIFORNIA GNATCATCHER SURVEYS ON THE APPROXIMATELY 420-ACRE PORTOLA HILLS SITE, LOCATED IN THE CITY OF LAKE FOREST, ORANGE COUNTY, CALIFORNIA. 2002-08-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 54758
EO Index: 54758
Key Quad: El Toro (3311766)
Element Code: ARACJ02060
Occurrence Number: 334
Occurrence Last Updated: 2004-03-22

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5
State: S2S3

Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:
INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:
PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 1999-10-19
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1999-10-19
Occurrence Rank: Unknown
Owner/Manager: TNC
Trend: Unknown
Presence: Presumed Extant

Location:
NORTHEAST OF RATTLESNAKE RESERVOIR, BETWEEN RATTLESNAKE CANYON AND HICKS CANYON.

Detailed Location:
PIT-FALL TRAP ARRAYS 1-5.

Ecological:
HABITAT IS PREDOMINATELY COASTAL SAGE SCRUB. CURRENTLY (1999) A CENTRAL EDGE SITE OF THE NATURE RESERVE OF ORANGE COUNTY. SITE IS DUE TO BECOME A FRAGMENT.

Threats:

General:
98 LIZARDS (5 - 32 LIZARDS PER ARRAY) CAPTURED IN 8 SAMPLE PERIODS BETWEEN 5 AUG 1998 AND 19 OCT 1999.

PLSS: T05S, R08W, Sec. 17 (S)
Accuracy: specific area
Area (acres): 53
UTM: Zone-11 N3732748 E432084
Latitude/Longitude: 33.73259 / -117.73313
Elevation (feet): 480

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

FIS00R0001	FISHER, R. & T. CASE (CALIFORNIA STATE UNIVERSITY, SACRAMENTO) - SOUTHERN CALIFORNIA HERPETOFAUNA RESEARCH AND MONITORING: 1995-1999 DATA SUMMATION REPORT 2000-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63824
EO Index: 63919
Key Quad: San Juan Capistrano (3311756)
Element Code: ARACJ02060
Occurrence Number: 362
Occurrence Last Updated: 2006-01-30

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G5
State: S2S3
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:

PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 2005-04-07
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-04-07
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

200 FT NORTH OF THE CROWN VALLEY PKWY BRIDGE OVER ARROYO TRABUCO, APPROXIMATELY 2.5 MILES SOUTH OF MISSION VIEJO.

Detailed Location:

MAPPED ACCORDING TO UTM COORDINATES.

Ecological:

PATCHES OF COASTAL SAGE SCRUB (ARTEMISIA CALIFORNICA AND ERIOGONUM CALIFORNICUM) SURROUNDED BY NON-NATIVE ANNUAL GRASSLAND. HILLSIDE SLOPES GENTLY DOWN TO RIPARIAN AREA. SURR LAND USE: RESIDENTIAL DEVELOPMENT, RETAIL CENTERS.

Threats:

THREATENED BY OFF ROAD RECREATIONAL USE AND PAINT BALL COURSES.

General:

1 ADULT FORAGING ON 7 APR 2005.

PLSS: T07S, R07W, Sec. 18, NW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3714015 E439476
Latitude/Longitude: 33.56409 / -117.65206
Elevation (feet): 330

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

LEA05F0002 LEATHERMAN, B. - FIELD SURVEY FORM FOR ASPIDOSCELIS HYPERYTHRA 2005-04-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63840
EO Index: 63935
Key Quad: El Toro (3311766)
Element Code: ARACJ02060
Occurrence Number: 365
Occurrence Last Updated: 2006-02-01

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G5
State: S2S3

General Habitat:

INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:

PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 2005-05-31
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-05-31
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

AREA ABOUT 0.5 MILE UP FROM MOUTH OF BEE CANYON, 2 MILES NORTH OF EL TORO AFB.

Detailed Location:

Ecological:

MOSIAC OF DISTURBED AREAS, NATIVE HABITATS. EXTENSIVE PATCHES OF COASTAL SAGE SCRUB DOM BY SALVIA MELLIFERA; OTHER PATCHES DOM BY ARTEMISIA CALIFORNICA AND/OR ERIOGONUM FASCICULATUM. RECENTLY BURNED, STEEPER HABITAT DOM BY MALACOTHAMNUS.

Threats:

THREATENED BY PLANNED EXPANSION (EXPANSION OF COUNTY LANDFILL?).

General:

4 ADULTS FORAGING ON 31 MAY 2005. LARGE PORTION OF HABITAT DEDICATED TO COUNTY'S CENTRAL/COASTAL MSHCP.

PLSS: T05S, R08W, Sec. 27, NW (S)
Accuracy: non-specific area
Area (acres): 105
UTM: Zone-11 N3730269 E434366
Latitude/Longitude: 33.71037 / -117.70831
Elevation (feet): 750

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

LEA05F0004 LEATHERMAN, B. - FIELD SURVEY FORM FOR ASPIDOSCELIS HYPERYTHRA 2005-05-31

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A5105
Key Quad: El Toro (3311766)
Occurrence Number: 418

EO Index: 106808
Element Code: ARACJ02060
Occurrence Last Updated: 2017-06-19

Scientific Name: *Aspidoscelis hyperythra*
Common Name: orange-throated whiptail

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5
State: S2S3

Rare Plant Rank:
Other Lists: CDFW_WL-Watch List
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:
INHABITS LOW-ELEVATION COASTAL SCRUB, CHAPARRAL, AND VALLEY-FOOTHILL HARDWOOD HABITATS.

Micro Habitat:
PREFERS WASHES AND OTHER SANDY AREAS WITH PATCHES OF BRUSH AND ROCKS. PERENNIAL PLANTS NECESSARY FOR ITS MAJOR FOOD: TERMITES.

Last Date Observed: 2016-10-27
Last Survey Date: 2016-10-27
Owner/Manager: UNKNOWN
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Good
Trend: Unknown

Location:
SANTIAGO CANYON, ABOUT 0.3 MILES ENE OF E SANTIAGO CANYON RD AT MODJESKA GRADE RD & 0.8 MILES S OF MODJESKA.

Detailed Location:
MAPPED TO PROVIDED COORDINATES.

Ecological:
COASTAL SAGE SCRUB IN COASTAL FOOTHILLS OF THE SANTA ANA MOUNTAINS.

Threats:

General:
2 ADULTS OBSERVED ON 25 OCT, 1 ON 26 OCT, & 1 ON 27 OCT 2016.

PLSS: T05S, R07W, Sec. 32, NE (S)
UTM: Zone-11 N3728791 E441776

Accuracy: specific area
Latitude/Longitude: 33.69748 / -117.62826

Area (acres): 9
Elevation (feet): 1,499

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

DEL16F0016	DELUNA, A. - FIELD SURVEY FORM FOR ASPIDOSCELIS HYPERYTHRA [SC-012609]. 2016-10-25
LEA16F0005	LEATHERMAN, B. - FIELD SURVEY FORM FOR ASPIDOSCELIS HYPERYTHRA [SC-001562]. 2016-10-26
LEA16F0006	LEATHERMAN, B. - FIELD SURVEY FORM FOR ASPIDOSCELIS HYPERYTHRA [SC-001562]. 2016-10-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53075
EO Index: 53079
Key Quad: El Toro (3311766)
Element Code: ARACJ02143
Occurrence Number: 56
Occurrence Last Updated: 2003-10-28

Scientific Name: *Aspidoscelis tigris stejnegeri*
Common Name: coastal whiptail

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G5T5
State: S3

General Habitat:

FOUND IN DESERTS AND SEMI-ARID AREAS WITH SPARSE VEGETATION AND OPEN AREAS. ALSO FOUND IN WOODLAND AND RIPARIAN AREAS.

Micro Habitat:

GROUND MAY BE FIRM SOIL, SANDY, OR ROCKY.

Last Date Observed: 1999-12-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1999-12-01
Occurrence Rank: Unknown
Owner/Manager: TNC
Trend: Unknown
Presence: Presumed Extant

Location:

LOMA RIDGE, SOUTH AND WEST OF LIMESTONE CANYON. ABOUT 3 MILES SSE OF SANTIAGO RESERVOIR.

Detailed Location:

SITE NAME: LIMESTONE CANYON. THIS SITE IS PART OF THE CENTRAL PLAN FOR ORANGE COUNTY. PIT-FALL TRAP ARRAYS 8, & 14-17.

Ecological:

Threats:

General:

6 TAKEN IN PIT-FALL TRAP ARRAY 8 & 19 TAKEN IN ARRAYS 14-17 (1-8 CAPTURES PER ARRAY). 22 SAMPLING PERIODS FROM 8/22/1995 TO 12/1/1999 (210 SAMPLE DAYS) FOR ALL 17 ARRAYS AT THIS SITE, UNKNOWN EXACTLY WHICH DATES APPLY TO THESE ARRAYS.

PLSS: T05S, R08W, Sec. 14 (S)
Accuracy: specific area
Area (acres): 31
UTM: Zone-11 N3733137 E435985
Latitude/Longitude: 33.73634 / -117.69105
Elevation (feet): 1,400

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

FIS00R0001 FISHER, R. & T. CASE (CALIFORNIA STATE UNIVERSITY, SACRAMENTO) - SOUTHERN CALIFORNIA HERPETOFAUNA RESEARCH AND MONITORING: 1995-1999 DATA SUMMATION REPORT 2000-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53900
EO Index: 53900
Key Quad: San Juan Capistrano (3311756)
Element Code: ARACJ02143
Occurrence Number: 58
Occurrence Last Updated: 2004-01-12

Scientific Name: *Aspidoscelis tigris stejnegeri*
Common Name: coastal whiptail

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G5T5
State: S3

General Habitat:

FOUND IN DESERTS AND SEMI-ARID AREAS WITH SPARSE VEGETATION AND OPEN AREAS. ALSO FOUND IN WOODLAND AND RIPARIAN AREAS.

Micro Habitat:

GROUND MAY BE FIRM SOIL, SANDY, OR ROCKY.

Last Date Observed: 2001-07-19
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-07-19
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY-ALISO/WOOD CYN RP
Trend: Unknown
Presence: Presumed Extant

Location:

ALONG ALISO CREEK, APPROX 1.6 MI WEST OF THE INTERSECTION OF I-5 AND NIGUEL ROAD, WEST OF LAGUNA NIGUEL.

Detailed Location:

Ecological:

HABITAT IN AREA CONSISTS OF COASTAL SAGE SCRUB, COASTAL SAGE-CHAPARRAL SCRUB.

Threats:

General:

UNKNOWN NUMBER OBSERVED BETWEEN 2 MAY AND 19 JUL 2001 DURING LEAST BELL'S VIREO/SOUTHWESTERN WILLOW FLYCATCHER SURVEYS.

PLSS: T07S, R08W, Sec. 32, NW (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3709565 E431402
Latitude/Longitude: 33.52347 / -117.73871
Elevation (feet): 80

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

DUD01U0010 DUDEK & ASSOCIATES, INC. - LEAST BELL'S VIREO & SOUTHWESTERN WILLOW FLYCATCHER SURVEY FOR THE ALISO CREEK EMERGENCY SEWER AND PARKS IMPROVEMENT PROJECT, ORANGE COUNTY, CALIFORNIA 2001-09-10

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 75680
EO Index: 76704
Key Quad: El Toro (3311766)
Element Code: ARACJ02143
Occurrence Number: 88
Occurrence Last Updated: 2009-07-03

Scientific Name: *Aspidoscelis tigris stejnegeri*
Common Name: coastal whiptail

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G5T5
State: S3

General Habitat:

FOUND IN DESERTS AND SEMI-ARID AREAS WITH SPARSE VEGETATION AND OPEN AREAS. ALSO FOUND IN WOODLAND AND RIPARIAN AREAS.

Micro Habitat:

GROUND MAY BE FIRM SOIL, SANDY, OR ROCKY.

Last Date Observed: 2008-06-17
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-06-17
Occurrence Rank: Fair
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

ABOUT 1.0 MILE EAST OF EL TORO MARINE CORPS AIR STATION AND 2.75 MILES NORTHEAST OF JUNCTION OF I-5 & I-405.

Detailed Location:

JUST EAST OF THE NORTH END OF BORREGO CANYON WASH.

Ecological:

CA SAGEBRUSH-CA BUCKWHEAT SCRUB DOMINATED BY ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM W/ SCATTERED PATCHES OF OPUNTIA LITTORALIS, O. PARRYI. ALSO SCATTERED SAMBUCUS MEXICANA. MAR '08 AERIAL IMAGERY SHOWS MUCH DEVELOPMENT TO E, S, & W.

Threats:

PROPOSED ROAD EXTENSION.

General:

1 OBSERVED AT THIS SITE. VISIBLE DISTURBANCE LIMITED TO AREAS OF EXISTING SURROUNDING LAND USES, NATIVE HABITAT UNDISTURBED.

PLSS: T06S, R08W, Sec. 10, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3725510 E435549
Latitude/Longitude: 33.66753 / -117.69520
Elevation (feet): 540

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

ONE08F0014 O'NEAL, A. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR ASPIDOSCELIS TIGRIS STEJNEGERI 2008-06-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A3432
EO Index: 105069
Key Quad: San Juan Capistrano (3311756)
Element Code: ARADB01017
Occurrence Number: 109
Occurrence Last Updated: 2017-03-07

Scientific Name: *Arizona elegans occidentalis*
Common Name: California glossy snake

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G5T2
State: S2

General Habitat:

PATCHILY DISTRIBUTED FROM THE EASTERN PORTION OF SAN FRANCISCO BAY, SOUTHERN SAN JOAQUIN VALLEY, AND THE COAST, TRANSVERSE, AND PENINSULAR RANGES, SOUTH TO BAJA CALIFORNIA.

Micro Habitat:

GENERALIST REPORTED FROM A RANGE OF SCRUB AND GRASSLAND HABITATS, OFTEN WITH LOOSE OR SANDY SOILS.

Last Date Observed: 1952-06-06
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1952-06-06
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

EL TORO RD, VICINITY OF INTERSECTION WITH RAYMOND WAY, SOUTHWEST EL TORO.

Detailed Location:

MAPPED TO ABOUT 0.5 MI W ALONG ROAD FROM OF EL TORO. 1950 TOPO MAP SHOWS EXTENT OF EL TORO WAS SMALLER AND CENTERED AROUND EL TORO RD AND SANTA FE RAILROAD.

Ecological:

Threats:

General:

SPECIMEN COLLECTED ON 6 JUN 1952.

PLSS: T06S, R08W, Sec. 27, E (S)
Accuracy: 2/5 mile
Area (acres): 280
UTM: Zone-11 N3720302 E435011
Latitude/Longitude: 33.62053 / -117.70063
Elevation (feet): 397

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756), El Toro (3311766)

Sources:

KLA46A0001 KLAUBER, L. - THE GLOSSY SNAKE, ARIZONA, WITH DESCRIPTIONS OF NEW SUBSPECIES. TRANSACTIONS OF THE SAN DIEGO SOCIETY OF NATURAL HISTORY, 10(17): 311-398. 1946-03-29

SMI52S0006 SMITH, D. & P. SMITH - CHAS #16538 COLLECTED 0.5 MI E OF EL TORO 1952-06-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 81937
Key Quad: Dana Point (3311746)
Occurrence Number: 215

EO Index: 105368
Element Code: ARADB01017
Occurrence Last Updated: 2017-02-13

Scientific Name: *Arizona elegans occidentalis*
Common Name: California glossy snake

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G5T2
State: S2

General Habitat:

PATCHILY DISTRIBUTED FROM THE EASTERN PORTION OF SAN FRANCISCO BAY, SOUTHERN SAN JOAQUIN VALLEY, AND THE COAST, TRANSVERSE, AND PENINSULAR RANGES, SOUTH TO BAJA CALIFORNIA.

Micro Habitat:

GENERALIST REPORTED FROM A RANGE OF SCRUB AND GRASSLAND HABITATS, OFTEN WITH LOOSE OR SANDY SOILS.

Last Date Observed: 1946-XX-XX
Last Survey Date: 1946-XX-XX
Owner/Manager: UNKNOWN
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

VICINTIY OF SAN JUAN CAPISTRANO.

Detailed Location:

Ecological:

Threats:

General:

KLAUBER 1946 ARTICLE NAMED SAN JUAN CAPISTRANO AS OCCURRENCE LOCALITY.

PLSS: T08S, R08W, Sec. 12 (S)
UTM: Zone-11 N3706409 E438379

Accuracy: 1 mile
Latitude/Longitude: 33.49543 / -117.66335

Area (acres): 0
Elevation (feet): 80

County Summary:

Orange

Quad Summary:

Dana Point (3311746), San Juan Capistrano (3311756)

Sources:

KLA46A0001 KLAUBER, L. - THE GLOSSY SNAKE, ARIZONA, WITH DESCRIPTIONS OF NEW SUBSPECIES. TRANSACTIONS OF THE SAN DIEGO SOCIETY OF NATURAL HISTORY, 10(17): 311-398. 1946-03-29

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A3721
Key Quad: San Juan Capistrano (3311756)
Occurrence Number: 216
EO Index: 105369
Element Code: ARADB01017
Occurrence Last Updated: 2017-02-13

Scientific Name: *Arizona elegans occidentalis*
Common Name: California glossy snake

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G5T2
State: S2

General Habitat:

PATCHILY DISTRIBUTED FROM THE EASTERN PORTION OF SAN FRANCISCO BAY, SOUTHERN SAN JOAQUIN VALLEY, AND THE COAST, TRANSVERSE, AND PENINSULAR RANGES, SOUTH TO BAJA CALIFORNIA.

Micro Habitat:

GENERALIST REPORTED FROM A RANGE OF SCRUB AND GRASSLAND HABITATS, OFTEN WITH LOOSE OR SANDY SOILS.

Last Date Observed: 1946-XX-XX
Last Survey Date: 1946-XX-XX
Owner/Manager: UNKNOWN
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

VICINTIY OF GALIVAN.

Detailed Location:

Ecological:

Threats:

General:

KLAUBER 1946 ARTICLE NAMED GALIVAN AS OCCURRENCE LOCALITY.

PLSS: T07S, R08W, Sec. 13 (S)
Accuracy: 1 mile
Area (acres): 1,987
UTM: Zone-11 N3714615 E437465
Latitude/Longitude: 33.56938 / -117.67378
Elevation (feet): 284

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

KLA46A0001 KLAUBER, L. - THE GLOSSY SNAKE, ARIZONA, WITH DESCRIPTIONS OF NEW SUBSPECIES. TRANSACTIONS OF THE SAN DIEGO SOCIETY OF NATURAL HISTORY, 10(17): 311-398. 1946-03-29

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53076
EO Index: 53076
Key Quad: El Toro (3311766)
Element Code: ARADB30033
Occurrence Number: 8
Occurrence Last Updated: 2003-10-28

Scientific Name: *Salvadora hexalepis virgultea*
Common Name: coast patch-nosed snake

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: CDFW_SSC-Species of Special Concern

CNDDB Element Ranks: **Global:** G5T4
State: S3

General Habitat:
BRUSHY OR SHRUBBY VEGETATION IN COASTAL SOUTHERN CALIFORNIA.

Micro Habitat:
REQUIRE SMALL MAMMAL BURROWS FOR REFUGE AND OVERWINTERING SITES.

Last Date Observed: 1999-12-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1999-12-01
Occurrence Rank: Unknown
Owner/Manager: TNC
Trend: Unknown
Presence: Presumed Extant

Location:
LOMA RIDGE, SOUTH AND WEST OF LIMESTONE CANYON. ABOUT 3 MILES SSE OF SANTIAGO RESERVOIR.

Detailed Location:
SITE NAME: LIMESTONE CANYON. THIS SITE IS PART OF THE CENTRAL PLAN FOR ORANGE COUNTY. PIT-FALL TRAP ARRAYS 8 & 17.

Ecological:

Threats:

General:
1 CAPTURED IN PIT-FALL TRAP ARRAY 8 & 1 CAPTURED IN ARRAY 17. 22 SAMPLING PERIODS FROM 8/22/1995 TO 12/1/1999 (210 SAMPLE DAYS) FOR ALL 17 ARRAYS AT THIS SITE, UNKNOWN EXACTLY WHICH DATES APPLY TO THESE 2 ARRAYS.

PLSS: T05S, R08W, Sec. 14 (S)
Accuracy: specific area
Area (acres): 11
UTM: Zone-11 N3733229 E435797
Latitude/Longitude: 33.73716 / -117.69309
Elevation (feet): 1,500

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

FIS00R0001 FISHER, R. & T. CASE (CALIFORNIA STATE UNIVERSITY, SACRAMENTO) - SOUTHERN CALIFORNIA HERPETOFAUNA RESEARCH AND MONITORING: 1995-1999 DATA SUMMATION REPORT 2000-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 33383
EO Index: 25044
Key Quad: San Juan Capistrano (3311756)
Element Code: ARADB36160
Occurrence Number: 41
Occurrence Last Updated: 1996-07-05

Scientific Name: *Thamnophis hammondii*
Common Name: two-striped gartersnake

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

COASTAL CALIFORNIA FROM VICINITY OF SALINAS TO NORTHWEST BAJA CALIFORNIA. FROM SEA TO ABOUT 7,000 FT ELEVATION.

Micro Habitat:

HIGHLY AQUATIC, FOUND IN OR NEAR PERMANENT FRESH WATER. OFTEN ALONG STREAMS WITH ROCKY BEDS AND RIPARIAN GROWTH.

Last Date Observed: 1996-04-03
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1996-04-03
Occurrence Rank: Fair
Owner/Manager: PVT-SANTA MARGARITA CO
Trend: Unknown
Presence: Presumed Extant

Location:

ARROYO TRABUCO, 1.2 MILES EAST OF THE I-5/CROWN VALLEY PARKWAY INTERSECTION, 3 MILES NORTH OF SAN JUAN CAPISTRANO.

Detailed Location:

LOCATED ON THE EAST BANK OF ARROYO TRABUCO, IN AN UPLAND SEEP, WITHIN A REVEGETATION SITE (SEG #9).

Ecological:

HABITAT CONSISTS OF A FLAT, UPLAND SEEP AREA SURROUNDED BY A COASTAL SAGE SCRUB/GRASSLAND RESTORATION AREA.

Threats:

POSSIBLE THREAT FROM DEVELOPMENT AND FURTHER GRAVEL MINING OPERATIONS.

General:

1 INDIVIDUAL OBSERVED FORAGING ON TADPOLES ON 3 APRIL 1996.

PLSS: T07S, R07W, Sec. 18, SW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3713191 E439430
Latitude/Longitude: 33.55666 / -117.65251
Elevation (feet): 320

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

WOL96F0001 WOLF, A. (CHAMBERS GROUP, INC.) - FIELD SURVEY FORM FOR THAMNOPHIS HAMMONDII 1996-04-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 40864
EO Index: 40864
Key Quad: Canada Gobernadora (3311755)
Element Code: ARADB36160
Occurrence Number: 52
Occurrence Last Updated: 2009-06-02

Scientific Name: *Thamnophis hammondii*
Common Name: two-striped gartersnake

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

COASTAL CALIFORNIA FROM VICINITY OF SALINAS TO NORTHWEST BAJA CALIFORNIA. FROM SEA TO ABOUT 7,000 FT ELEVATION.

Micro Habitat:

HIGHLY AQUATIC, FOUND IN OR NEAR PERMANENT FRESH WATER. OFTEN ALONG STREAMS WITH ROCKY BEDS AND RIPARIAN GROWTH.

Last Date Observed: 1998-08-25
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-08-25
Occurrence Rank: Poor
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

SAN JUAN CREEK, 2.5 MILES EAST OF SAN JUAN CAPISTRANO.

Detailed Location:

Ecological:

HABITAT CONSISTS OF A SMALL, ISOLATED POOL OFF OF THE MAIN STEM; VEGETATED BY NATIVE RIPARIAN VEGETATION MIXED WITH A LOT OF EXOTICS (ARUNDO, TAMARISK).

Threats:

NON-NATIVE ANIMALS (LARGEMOUTH BASS, BULLFROG) & PLANTS (ARUNDO, TAMARISK), AND FUTURE WATER APPROPRIATIONS.

General:

1 ADULT OBSERVED ON 25 AUG 1998.

PLSS: T07S, R07W, Sec. 33, NW (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3709127 E441999
Latitude/Longitude: 33.52014 / -117.62457
Elevation (feet): 160

County Summary:

Orange

Quad Summary:

Canada Gobernadora (3311755), San Juan Capistrano (3311756)

Sources:

VEJ98F0001 VEJAR, A.J. (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE-REGION 5) - FIELD SURVEY FORM FOR THAMNOPHIS HAMMONDII 1998-08-25

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63696
EO Index: 63791
Key Quad: El Toro (3311766)
Element Code: ARADB36160
Occurrence Number: 96
Occurrence Last Updated: 2006-01-17

Scientific Name: *Thamnophis hammondii*
Common Name: two-striped gartersnake

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

COASTAL CALIFORNIA FROM VICINITY OF SALINAS TO NORTHWEST BAJA CALIFORNIA. FROM SEA TO ABOUT 7,000 FT ELEVATION.

Micro Habitat:

HIGHLY AQUATIC, FOUND IN OR NEAR PERMANENT FRESH WATER. OFTEN ALONG STREAMS WITH ROCKY BEDS AND RIPARIAN GROWTH.

Last Date Observed: 2003-05-27
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-05-27
Occurrence Rank: Fair
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

SANTIAGO CREEK, AT THE MOUTH OF MODJESKA CANYON, ~0.2 MILES UPSTREAM OF THE BRIDGE CROSSING, 1 MILE WNW OF MODJESKA.

Detailed Location:

Ecological:

HABITAT CONSISTS OF A PERENNIAL STREAM WITH COBBLE-SIZED SUBTRATE, SCOURED ANNUALLY. SPARSELY VEGETATED WITH BACCHARIS SALICIFOLIA AND SALIX LASIOLEPIS.

Threats:

THREATENED BY ROADWAYS PASSING THROUGH THE STREAMBED.

General:

1 ADULT OBSERVED ON 27 MAY 2003, FEEDING ON BUFO BOREAS TADPOLES.

PLSS: T05S, R07W, Sec. 29 (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3730364 E440444
Latitude/Longitude: 33.71159 / -117.64273
Elevation (feet): 1,225

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

LEA03F0007 LEATHERMAN, B. - FIELD SURVEY FORM FOR THAMNOPHIS HAMMONDII 2003-05-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 70035
EO Index: 70889
Key Quad: San Juan Capistrano (3311756)
Element Code: ARADB36160
Occurrence Number: 101
Occurrence Last Updated: 2007-10-22

Scientific Name: *Thamnophis hammondii*
Common Name: two-striped gartersnake

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S3S4
Other Lists: BLM_S-Sensitive
CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

COASTAL CALIFORNIA FROM VICINITY OF SALINAS TO NORTHWEST BAJA CALIFORNIA. FROM SEA TO ABOUT 7,000 FT ELEVATION.

Micro Habitat:

HIGHLY AQUATIC, FOUND IN OR NEAR PERMANENT FRESH WATER. OFTEN ALONG STREAMS WITH ROCKY BEDS AND RIPARIAN GROWTH.

Last Date Observed: 2005-07-08
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-07-08
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

ARROYO TRABUCO CANYON, 0.15 MILE SOUTH OF THE CROWN VALLEY PARKWAY BRIDGE, SOUTH OF MISSION VIEJO.

Detailed Location:

Ecological:

ARROYO TRABUCO CONSISTS OF A VARIETY OF RIPARIAN AND UPLAND HABITATS, INCLUDING SOUTHERN WILLOW SCRUB, WHITE ALDER WOODLAND, COASTAL SAGE SCRUB, AND NON-NATIVE GRASSLAND.

Threats:

THREATENED BY UNAPPROVED HUMAN ACTIVITIES, INCLUDING PAINTBALL WARS.

General:

1 ADULT OBSERVED ON 8 JUL 2005.

PLSS: T07S, R07W, Sec. 18, SW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3713593 E439484
Latitude/Longitude: 33.56028 / -117.65195
Elevation (feet): 308

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

DAN05F0003 DANIELS, B. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR THAMNOPHIS HAMMONDII 2005-07-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 25628
EO Index: 6515
Key Quad: Laguna Beach (3311757)
Element Code: ARADE02090
Occurrence Number: 2
Occurrence Last Updated: 1994-01-10

Scientific Name: *Crotalus ruber*
Common Name: red-diamond rattlesnake

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S3
Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

CHAPARRAL, WOODLAND, GRASSLAND, AND DESERT AREAS FROM COASTAL SAN DIEGO COUNTY TO THE EASTERN SLOPES OF THE MOUNTAINS.

Micro Habitat:

OCCURS IN ROCKY AREAS AND DENSE VEGETATION. NEEDS RODENT BURROWS, CRACKS IN ROCKS OR SURFACE COVER OBJECTS.

Last Date Observed: 1975-06-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1975-06-XX
Occurrence Rank: Excellent
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

EAST SIDE OF LAGUNA CANYON ROAD ABOUT ONE MILE NORTH OF JUNCTION WITH EL TORO ROAD.

Detailed Location:

5 ADULTS AND 25 JUVENILES FOUND ABOUT 200 METERS EAST OF THE ROAD.

Ecological:

SANDSTONE OUTCROPS WITH WIND ERODED CAPS AND POTHOLES WITHIN COASTAL SAGE SCRUB WITH WESTERLY EXPOSURE.

Threats:

THREATENED BY PROPOSED HOUSING PROJECT AND WIDENING OF LAGUNA CANYON ROAD.

General:

PLSS: T07S, R08W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3717699 E429723
Latitude/Longitude: 33.59672 / -117.75743
Elevation (feet): 400

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

ZEM75F0001 ZEMBAL, D. - FIELD SURVEY FORM FOR CROTALUS RUBER 1975-06-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52172
EO Index: 52172
Key Quad: Laguna Beach (3311757)
Element Code: ARADE02090
Occurrence Number: 82
Occurrence Last Updated: 2003-08-20

Scientific Name: *Crotalus ruber*
Common Name: red-diamond rattlesnake

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S3
Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

CHAPARRAL, WOODLAND, GRASSLAND, AND DESERT AREAS FROM COASTAL SAN DIEGO COUNTY TO THE EASTERN SLOPES OF THE MOUNTAINS.

Micro Habitat:

OCCURS IN ROCKY AREAS AND DENSE VEGETATION. NEEDS RODENT BURROWS, CRACKS IN ROCKS OR SURFACE COVER OBJECTS.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

NORTH AND EAST OF COYOTE CANYON, NE OF NEWPORT BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED DURING 3 SURVEYS BETWEEN FEB AND AUG 2001.

PLSS: T06S, R09W, Sec. 28 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3720101 E423689
Latitude/Longitude: 33.61796 / -117.82266
Elevation (feet): 600

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 52173
EO Index: 52173
Key Quad: Tustin (3311767)
Element Code: ARADE02090
Occurrence Number: 83
Occurrence Last Updated: 2003-08-20

Scientific Name: *Crotalus ruber*
Common Name: red-diamond rattlesnake

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S3
Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

CHAPARRAL, WOODLAND, GRASSLAND, AND DESERT AREAS FROM COASTAL SAN DIEGO COUNTY TO THE EASTERN SLOPES OF THE MOUNTAINS.

Micro Habitat:

OCCURS IN ROCKY AREAS AND DENSE VEGETATION. NEEDS RODENT BURROWS, CRACKS IN ROCKS OR SURFACE COVER OBJECTS.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

WEST OF SHADY CANYON AND 1.1 MILES WEST OF LAGUNA CANYON ROAD; SAN JOAQUIN HILLS, APPROX 4.5 MILES NE OF NEWPORT BEACH.

Detailed Location:

Ecological:

HABITAT MAINLY RECOVERING CHAPARRAL, COASTAL SAGE SCRUB & GRASSLAND WITH SOME OAK WOODLAND, RIPARIAN WOODLAND & MARSHES. AREA BURNED IN 1993 (LAGUNA BEACH FIRE). DESIGNATED AS NATURE RESERVE OF ORANGE COUNTY (NROC) LANDS IN NCCP SUB-REGION.

Threats:

General:

UNKNOWN NUMBER OBSERVED AT 2 LOCATIONS DURING 3 SURVEYS BETWEEN FEB AND AUG 2001.

PLSS: T06S, R09W, Sec. 23 (S)
Accuracy: non-specific area
Area (acres): 36
UTM: Zone-11 N3721624 E427507
Latitude/Longitude: 33.63196 / -117.78163
Elevation (feet): 500

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

HAR01R0001 HARMSWORTH ASSOCIATES - DRAFT CALIFORNIA GNATCATCHER AND COASTAL CACTUS WREN MONITORING REPORT FOR THE SAN JOAQUIN HILLS BURN AREA, 2001 2001-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53078
EO Index: 53078
Key Quad: El Toro (3311766)
Element Code: ARADE02090
Occurrence Number: 84
Occurrence Last Updated: 2003-10-28

Scientific Name: *Crotalus ruber*
Common Name: red-diamond rattlesnake

Listing Status: **Federal:** None
State: None
Rare Plant Rank:

CNDDB Element Ranks: **Global:** G4
State: S3
Other Lists: CDFW_SSC-Species of Special Concern
IUCN_LC-Least Concern
USFS_S-Sensitive

General Habitat:

CHAPARRAL, WOODLAND, GRASSLAND, AND DESERT AREAS FROM COASTAL SAN DIEGO COUNTY TO THE EASTERN SLOPES OF THE MOUNTAINS.

Micro Habitat:

OCCURS IN ROCKY AREAS AND DENSE VEGETATION. NEEDS RODENT BURROWS, CRACKS IN ROCKS OR SURFACE COVER OBJECTS.

Last Date Observed: 1999-12-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1999-12-01
Occurrence Rank: Unknown
Owner/Manager: TNC
Trend: Unknown
Presence: Presumed Extant

Location:

LOMA RIDGE, SOUTH AND WEST OF LIMESTONE CANYON. ABOUT 3 MILES SSE OF SANTIAGO RESERVOIR.

Detailed Location:

SITE NAME: LIMESTONE CANYON. THIS SITE IS PART OF THE CENTRAL PLAN FOR ORANGE COUNTY. PIT-FALL TRAP ARRAY 17.

Ecological:

Threats:

General:

1 CAPTURED IN PIT-FALL TRAP ARRAY 17. 22 SAMPLING PERIODS FROM 8/22/1995 TO 12/1/1999 (210 SAMPLE DAYS) FOR ALL 17 ARRAYS AT THIS SITE, UNKNOWN EXACTLY WHICH DATES APPLY TO THIS ARRAY.

PLSS: T05S, R08W, Sec. 14 (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3733289 E435734
Latitude/Longitude: 33.73769 / -117.69377
Elevation (feet): 1,520

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

FIS00R0001 FISHER, R. & T. CASE (CALIFORNIA STATE UNIVERSITY, SACRAMENTO) - SOUTHERN CALIFORNIA HERPETOFAUNA RESEARCH AND MONITORING: 1995-1999 DATA SUMMATION REPORT 2000-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02645
EO Index: 17241
Key Quad: Laguna Beach (3311757)
Element Code: CTT42110CA
Occurrence Number: 38
Occurrence Last Updated: 1998-07-15

Scientific Name: *Valley Needlegrass Grassland*
Common Name: Valley Needlegrass Grassland

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G3
State: S3.1

General Habitat:

Micro Habitat:

Last Date Observed: 1985-03-28
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1985-02-28
Occurrence Rank: Unknown
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:

WEST RIDGE OF PELICAN HILL, SOUTH OF NEWPORT BEACH.

Detailed Location:

SECTION 5, NOT U.S. LAND SURVEY.

Ecological:

NASSELLA PULCHRA DOM GRASS. MOSAIC OF BUNCHGRASSES & COASTAL SCRUB (25% COVER). SCRUB HAS ARTEMISIA CALIFORNICA, OPUNTIA SP, RHUS. SOME DISTURBANCE FOR SOIL BORING.

Threats:

AREA APPARENTLY GRAZED LITTLE IF AT ALL PER SCHONHOLTZ, 1985.

General:

SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T07S, R09W, Sec. 05 (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3717048 E421896
Latitude/Longitude: 33.59030 / -117.84172
Elevation (feet): 500

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

SCH85F0001 SCHONHOLTZ, R. - FIELD SURVEY FORM FOR UPLAND NATIVE BUNCHGRASS (VALLEY NEEDLEGRASS GRASSLAND, NC42110.038) 1985-03-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02534	**EO Index:**	19125
Key Quad:	Newport Beach (3311768)	**Element Code:**	CTT52120CA
Occurrence Number:	14	**Occurrence Last Updated:**	1997-04-14

Scientific Name: *Southern Coastal Salt Marsh*

Common Name: Southern Coastal Salt Marsh

Listing Status: **Federal:** None

State: None

Rare Plant Rank:

Other Lists:

CNDDB Element Ranks: **Global:** G2

State: S2.1

General Habitat:

Micro Habitat:

Last Date Observed:	1988-02-06	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1988-02-06	**Occurrence Rank:**	Unknown
Owner/Manager:	DFG-UPPER NEWPORT BAY ER	**Trend:**	Decreasing
Presence:	Presumed Extant		

Location:

UPPER NEWPORT BAY. FROM ABOUT CONEY ISLAND TO SALT EVAPORATION PONDS.

Detailed Location:

274 ACRE, 1982. COMPARISON OF WIESLANDER (1935) BOUNDARY AND AERIAL PHOTOS SHOWS MUCH REDUCTON. MAPPED FROM 1988 PHOTOS.

Ecological:

DOMINANT SPECIES INCLUDE SALICORNIA, DISTICHLIS SPICATA, SPARTINA FOLIOSA, ZOSTERA MARINA.

Threats:

UPPER BAY DISTURBED BY DIKES, CHANNELS, ROADWAY. AG AND URBANIZATION NEARBY.

General:

SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS:	T06S, R10W, Sec. 23 (S)	**Accuracy:**	non-specific area	**Area (acres):**	562
UTM:	Zone-11 N3722246 E417545	**Latitude/Longitude:**	33.63685 / -117.88909	**Elevation (feet):**	0

County Summary:	**Quad Summary:**
Orange	Tustin (3311767), Newport Beach (3311768)

Sources:

HEN76A0001	HENDRICKSON, J. - ECOLOGY OF SOUTHERN CALIFORNIA COASTAL SALT MARSHES IN: PLANT COMMUNITIES OF SOUTHERN CALIFORNIA, LATTING, EDITOR. CNPS SPECIAL PUBLICATION #2, PP. 49-64. 1976-XX-XX
HOL88M0001	HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX
HOO77R0001	HOOD, L. - INVENTORY OF CALIFORNIA NATURAL AREAS, CALIFORNIA NATURAL AREAS COORDINATING COUNCIL 1977-XX-XX
WIL82U0002	WILCOX, C. - PERSONAL COMMUNICATION VIA PHONE CALL WITH C.L. ROYE REGARDING UPPER NEWPORT BAY ECOLOGICAL RESERVE SALT MARSH ACREAGE. 1982-12-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02873
EO Index: 12498
Key Quad: Black Star Canyon (3311776)
Element Code: CTT61310CA
Occurrence Number: 153
Occurrence Last Updated: 1998-08-31

Scientific Name: *Southern Coast Live Oak Riparian Forest*
Common Name: Southern Coast Live Oak Riparian Forest

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-10
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

LIMESTONE CANYON, FROM SANTIAGO RESERVOIR U/S APPROXIMATELY 1.5 MILES AND SOME TRIBUTARIES.

Detailed Location:

EXTANT, 1988, PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY QUERCUS AGRIFOLIA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T05S, R08W, Sec. 11 (S)
Accuracy: specific area
Area (acres): 192
UTM: Zone-11 N3734751 E435741
Latitude/Longitude: 33.75088 / -117.69380
Elevation (feet): 890

County Summary:

Orange

Quad Summary:

El Toro (3311766), Black Star Canyon (3311776)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

USF35M0001 U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02865
EO Index: 15907
Key Quad: El Toro (3311766)
Element Code: CTT61310CA
Occurrence Number: 154
Occurrence Last Updated: 1998-08-31

Scientific Name: *Southern Coast Live Oak Riparian Forest*
Common Name: Southern Coast Live Oak Riparian Forest

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-10
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

UNNAMED TRIBUTARY TO LIMESTONE CANYON, APPROXIMATELY 0.75 MILE U/S OF SANTIAGO RESERVOIR.

Detailed Location:

EXTANT, 1988, PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY QUERCUS AGRIFOLIA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T05S, R08W, Sec. 10 (S)
Accuracy: specific area
Area (acres): 39
UTM: Zone-11 N3734480 E434936
Latitude/Longitude: 33.74839 / -117.70248
Elevation (feet): 1,000

County Summary:

Orange

Quad Summary:

El Toro (3311766), Black Star Canyon (3311776)

Sources:

HOL88M0001	HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX
USF35M0001	U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02955
EO Index: 15906
Key Quad: El Toro (3311766)
Element Code: CTT61310CA
Occurrence Number: 155
Occurrence Last Updated: 1998-08-31

Scientific Name: *Southern Coast Live Oak Riparian Forest*
Common Name: Southern Coast Live Oak Riparian Forest

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-10
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

UNNAMED WEST SIDE TRIBUTARY TO SANTIAGO CREEK APPROXIMATELY 1.5 MILES D/S OF MODJESKA.

Detailed Location:

EXTANT, 1988, PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY QUERCUS AGRIFOLIA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T05S, R07W, Sec. 19 (S)
Accuracy: specific area
Area (acres): 75
UTM: Zone-11 N3731023 E439423
Latitude/Longitude: 33.71748 / -117.65380
Elevation (feet): 1,260

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

USF35M0001 U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02991
EO Index: 15892
Key Quad: Santiago Peak (3311765)
Element Code: CTT61310CA
Occurrence Number: 176
Occurrence Last Updated: 1998-08-31

Scientific Name: *Southern Coast Live Oak Riparian Forest*
Common Name: Southern Coast Live Oak Riparian Forest

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-06
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-06
Occurrence Rank: None
Owner/Manager: PVT
Trend: Unknown
Presence: Extirpated

Location:

UNNAMED TRIBUTARY TO ARROYO TRABUCO, SE-FACING SLOPE, ABOUT 1.5 MILES D/S FROM O'NEILL REGIONAL PARK.

Detailed Location:

EXTIRPATED BY HIGHWAY CONSTRUCTION PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY QUERCUS AGRIFOLIA. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

Threats:

General:

SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T06S, R07W, Sec. 21 (S)
Accuracy: specific area
Area (acres): 46
UTM: Zone-11 N3722437 E442394
Latitude/Longitude: 33.64021 / -117.62118
Elevation (feet): 820

County Summary:

Orange

Quad Summary:

Santiago Peak (3311765), El Toro (3311766)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

USF35M0001 U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02696	**EO Index:**	15885
Key Quad:	Laguna Beach (3311757)	**Element Code:**	CTT61310CA
Occurrence Number:	185	**Occurrence Last Updated:**	1998-08-31

Scientific Name: *Southern Coast Live Oak Riparian Forest* **Common Name:** Southern Coast Live Oak Riparian Forest

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:**

CNDDB Element Ranks: **Global:** G4

State: S4

General Habitat:

Micro Habitat:

Last Date Observed:	1988-02-06	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1988-02-06	**Occurrence Rank:**	Excellent
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

MORO CANYON, SW-FACING SLOPE OF THE SAN JOAQUIN HILLS, SE OF NEWPORT BEACH.

Detailed Location:

EXTANT, 1988, PER INTERPRETATION OF AERIAL PHOTOS AND BOUNDARY EXTENDED D/S PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY QUERCUS AGRIFOLIA AND PLATANUS RACEMOSA. AREA BELOW THE EARTHEN DAM IS A PERMANENT MOISTURE SITE.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS:	T07S, R09W, Sec. 10 (S)	**Accuracy:**	specific area	**Area (acres):**	176
UTM:	Zone-11 N3715434 E425264	**Latitude/Longitude:**	33.57599 / -117.80530	**Elevation (feet):**	260

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

BOW79U0002	BOWLER, P. - LETTER TO FRED BABB CONCERNING THE PROPOSED IRVINE COAST NATIONAL PARK. 1979-04-04
HOL88M0001	HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX
USF35M0001	U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02667
EO Index: 15878
Key Quad: Laguna Beach (3311757)
Element Code: CTT61310CA
Occurrence Number: 192
Occurrence Last Updated: 1998-08-31

Scientific Name: *Southern Coast Live Oak Riparian Forest*
Common Name: Southern Coast Live Oak Riparian Forest

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-06
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-06
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

LOS TRANCOS CANYON, SW-FACING SLOPE OF SAN JOAQUIN HILLS, SE OF NEWPORT BEACH.

Detailed Location:

EXTANT, 1988, AND BOUNDARY EXTENDED U/S PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY QUERCUS AGRIFOLIA AND PLATANUS RACEMOSA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T07S, R09W, Sec. 04 (S)
Accuracy: specific area
Area (acres): 93
UTM: Zone-11 N3716627 E422866
Latitude/Longitude: 33.58658 / -117.83124
Elevation (feet): 180

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

HOL88M0001	HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX
USF35M0001	U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02743	**EO Index:**	15879
Key Quad:	Laguna Beach (3311757)	**Element Code:**	CTT61310CA
Occurrence Number:	193	**Occurrence Last Updated:**	1998-08-31

Scientific Name: *Southern Coast Live Oak Riparian Forest* **Common Name:** Southern Coast Live Oak Riparian Forest

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:**

CNDDB Element Ranks: **Global:** G4

State: S4

General Habitat:

Micro Habitat:

Last Date Observed:	1988-02-06	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1988-02-06	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

UNNAMED TRIBUTARY TO LAGUNA CANYON, APPROXIMATELY 1.4 MILES NW EL TORO & HWY 132 JUNCTION, EAST-FACING SLOPE.

Detailed Location:

EXTANT, 1980, PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY QUERCUS AGRIFOLIA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS:	T06S, R09W, Sec. 36 (S)	**Accuracy:**	specific area	**Area (acres):**	47
UTM:	Zone-11 N3718197 E428388	**Latitude/Longitude:**	33.60112 / -117.77186	**Elevation (feet):**	430

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

HOL88M0001	HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX
USF35M0001	U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02700
EO Index: 13404
Key Quad: Laguna Beach (3311757)
Element Code: CTT61310CA
Occurrence Number: 194
Occurrence Last Updated: 1998-08-31

Scientific Name: *Southern Coast Live Oak Riparian Forest*
Common Name: Southern Coast Live Oak Riparian Forest

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-06
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1980-02-06
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

UNNAMED TRIBUTARY TO BOMMER CANYON, NORTH-FACING SLOPE, SAN JOAQUIN HILLS, EAST OF NEWPORT BEACH.

Detailed Location:

EXTANT, 1980, PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY QUERCUS AGRIFOLIA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T06S, R09W, Sec. 34 (S)
Accuracy: specific area
Area (acres): 36
UTM: Zone-11 N3719298 E425510
Latitude/Longitude: 33.61085 / -117.80297
Elevation (feet): 580

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

USF35M0001 U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02735
EO Index: 15877
Key Quad: Laguna Beach (3311757)
Element Code: CTT61310CA
Occurrence Number: 195
Occurrence Last Updated: 1998-08-31

Scientific Name: *Southern Coast Live Oak Riparian Forest*
Common Name: Southern Coast Live Oak Riparian Forest

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-06
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-06
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

UNNAMED TRIBUTARY TO SHADY CANYON, SAN JOAQUIN HILLS, SE OF SANTA ANA.

Detailed Location:

EXTANT, 1988, PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY QUERCUS AGRIFOLIA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T06S, R09W, Sec. 25 (S)
Accuracy: specific area
Area (acres): 52
UTM: Zone-11 N3720913 E427686
Latitude/Longitude: 33.62557 / -117.77964
Elevation (feet): 450

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757), Tustin (3311767)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

USF35M0001 U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02786	**EO Index:**	12487
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	CTT61310CA
Occurrence Number:	196	**Occurrence Last Updated:**	1998-08-31

Scientific Name: *Southern Coast Live Oak Riparian Forest* **Common Name:** Southern Coast Live Oak Riparian Forest

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:**

CNDDB Element Ranks: **Global:** G4

State: S4

General Habitat:

Micro Habitat:

Last Date Observed:	1988-02-06	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1988-02-06	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

WOOD CANYON, FROM ABOUT 2 TO 3 MILES U/S FROM JUNCTION WITH ALISO CREEK, SW OF LAGUNA HILLS.

Detailed Location:

EXTANT, 1980, PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY QUERCUS AGRIFOLIA AND PLATANUS RACEMOSA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS:	T07S, R08W, Sec. 07 (S)	**Accuracy:**	specific area	**Area (acres):**	93
UTM:	Zone-11 N3715113 E430561	**Latitude/Longitude:**	33.57345 / -117.74819	**Elevation (feet):**	440

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

HOL88M0001	HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX
USF35M0001	U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02788
EO Index: 15876
Key Quad: San Juan Capistrano (3311756)
Element Code: CTT61310CA
Occurrence Number: 197
Occurrence Last Updated: 1998-08-31

Scientific Name: *Southern Coast Live Oak Riparian Forest*
Common Name: Southern Coast Live Oak Riparian Forest

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1980-04-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1980-04-10
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

UNNAMED TRIBUTARIES TO WOOD CANYON, EAST OF CANYON ACRES, MAINLY EAST-FACING SLOPES.

Detailed Location:

EXTANT, 1980, PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY QUERCUS AGRIFOLIA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T07S, R08W, Sec. 18 (S)
Accuracy: specific area
Area (acres): 77
UTM: Zone-11 N3713331 E430563
Latitude/Longitude: 33.55738 / -117.74804
Elevation (feet): 260

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

USF35M0001 U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02923
EO Index: 13395
Key Quad: El Toro (3311766)
Element Code: CTT61330CA
Occurrence Number: 79
Occurrence Last Updated: 1998-07-20

Scientific Name: *Southern Cottonwood Willow Riparian Forest*
Common Name: Southern Cottonwood Willow Riparian Forest

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G3
State: S3.2

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-06
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-06
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

ALISO CREEK, FROM ABOUT JUNCTION WITH ENGLISH CREEK TO ABOUT 1.5 MILES U/S.

Detailed Location:

MAPPED FROM INTERPRETATION OF 1988 AERIAL PHOTOS.

Ecological:

UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T06S, R08W, Sec. 24 (S)
Accuracy: specific area
Area (acres): 45
UTM: Zone-11 N3722010 E437679
Latitude/Longitude: 33.63609 / -117.67199
Elevation (feet): 520

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02850	**EO Index:**	15764
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	CTT61330CA
Occurrence Number:	94	**Occurrence Last Updated:**	1998-07-20

Scientific Name: *Southern Cottonwood Willow Riparian Forest* **Common Name:** Southern Cottonwood Willow Riparian Forest

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:**

CNDDB Element Ranks: **Global:** G3

State: S3.2

General Habitat:

Micro Habitat:

Last Date Observed:	1988-02-06	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1988-02-06	**Occurrence Rank:**	None
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Extirpated		

Location:

ALISO CREEK AND UNNAMED TRIBUTARY, FROM ABOUT 240 TO 370 FEET ELEVATION, SOUTH OF LAGUNA HILLS.

Detailed Location:

EXTIRPATED BY HOUSING DEVELOPMENT PER INTERPRETATION OF 1988 AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY (1935) AS CLOSED CANOPY SALIX SPP.

Threats:

General:

SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS:	T07S, R08W, Sec. 04 (S)	**Accuracy:**	specific area	**Area (acres):**	61
UTM:	Zone-11 N3716921 E433763	**Latitude/Longitude:**	33.58996 / -117.71384	**Elevation (feet):**	360

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

HOL88M0001	HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX
USF35M0001	U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02916	**EO Index:**	12463
Key Quad:	El Toro (3311766)	**Element Code:**	CTT62400CA
Occurrence Number:	189	**Occurrence Last Updated:**	1998-07-22

Scientific Name: *Southern Sycamore Alder Riparian Woodland*

Common Name: Southern Sycamore Alder Riparian Woodland

Listing Status: **Federal:** None

State: None

Rare Plant Rank:

Other Lists:

CNDDB Element Ranks: **Global:** G4

State: S4

General Habitat:

Micro Habitat:

Last Date Observed:	1988-02-10	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1988-02-10	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

MIDDLE-UPPER LIMESTONE CANYON AND TRIBUTARIES, FROM ABOUT 2 MILES U/S OF SANTAIGO RESERVOIR TO NW OF THE SINKS.

Detailed Location:

EXTANT, 1988, PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY QUERCUS AGRIFOLIA AND PLATANUS RACEMOSA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS:	T05S, R08W, Sec. 13 (S)	**Accuracy:**	specific area	**Area (acres):**	406
UTM:	Zone-11 N3732887 E437905	**Latitude/Longitude:**	33.73420 / -117.67031	**Elevation (feet):**	1,060

County Summary:	**Quad Summary:**
Orange	El Toro (3311766), Black Star Canyon (3311776)

Sources:

HOL88M0001	HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX
USF35M0001	U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02968
EO Index: 15381
Key Quad: El Toro (3311766)
Element Code: CTT62400CA
Occurrence Number: 190
Occurrence Last Updated: 1998-07-22

Scientific Name: *Southern Sycamore Alder Riparian Woodland*
Common Name: Southern Sycamore Alder Riparian Woodland

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-10
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

APPROXIMATELY 2 MILES IN LENGTH OF UPPER SERRANO CREEK, EAST OF EL TORO MCAS.

Detailed Location:

EXTANT, 1988, PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY ALNUS RHOMBIFOLIA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T06S, R07W, Sec. 05 (S)
Accuracy: specific area
Area (acres): 111
UTM: Zone-11 N3727303 E440550
Latitude/Longitude: 33.68399 / -117.64139
Elevation (feet): 970

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

USF35M0001 U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02948
EO Index: 15379
Key Quad: El Toro (3311766)
Element Code: CTT62400CA
Occurrence Number: 191
Occurrence Last Updated: 1998-07-22

Scientific Name: *Southern Sycamore Alder Riparian Woodland*
Common Name: Southern Sycamore Alder Riparian Woodland

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-10
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

BORREGO CANYON AND TRIBUTARY, FROM ABOUT ORIGIN TO ABOUT 1.5 MILES D/S.

Detailed Location:

EXTANT, 1988, PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY QUERCUS AGRIFOLIA AND PLATANUS RACEMOSA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T05S, R07W, Sec. 31 (S)
Accuracy: specific area
Area (acres): 118
UTM: Zone-11 N3728195 E439208
Latitude/Longitude: 33.69196 / -117.65592
Elevation (feet): 950

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

USF35M0001 U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02939
EO Index: 15380
Key Quad: El Toro (3311766)
Element Code: CTT62400CA
Occurrence Number: 192
Occurrence Last Updated: 1998-07-22

Scientific Name: *Southern Sycamore Alder Riparian Woodland*
Common Name: Southern Sycamore Alder Riparian Woodland

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-06
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-06
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

ENGLISH CANYON, TRIBUTARY TO ALISO CREEK, EAST OF EL TORO.

Detailed Location:

EXTANT BUT BOUNDARY INCREASED, PER INTERPRETATION OF 1988 AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY QUERCUS AGRIFOLIA AND PLATANUS RACEMOSA.

Threats:

DEVELOPED ON BOTH SIDES OF CREEK.

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T06S, R08W, Sec. 24 (S)
Accuracy: specific area
Area (acres): 64
UTM: Zone-11 N3722002 E438589
Latitude/Longitude: 33.63607 / -117.66217
Elevation (feet): 600

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

USF35M0001 U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02983
EO Index: 15376
Key Quad: El Toro (3311766)
Element Code: CTT62400CA
Occurrence Number: 195
Occurrence Last Updated: 1998-07-22

Scientific Name: *Southern Sycamore Alder Riparian Woodland*
Common Name: Southern Sycamore Alder Riparian Woodland

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-10
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Decreasing
Presence: Presumed Extant

Location:

ALISO CREEK FROM 750 FT TO ABOUT 1500 FT ELEV, APPROXIMATELY 5 MILES EAST OF EL TORO.

Detailed Location:

PARTIALLY EXTIRPATED PER INTERPRETATION OF 1988 AERIAL PHOTOS. EXTANT BETWEEN ABOUT 745 TO 1000 FT AND 1200 TO 1300 FT OF ALISO CREEK AND ENTIRE TRIBUTARY.

Ecological:

MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY QUERCUS AGRIFOLIA AND PLATANUS RACEMOSA U/S AND PLATANUS RACEMOSA D/S.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T06S, R07W, Sec. 04 (S)
Accuracy: specific area
Area (acres): 285
UTM: Zone-11 N3726605 E442199
Latitude/Longitude: 33.67779 / -117.62355
Elevation (feet): 980

County Summary:

Orange

Quad Summary:

Santiago Peak (3311765), El Toro (3311766)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

USF35M0001 U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02993	**EO Index:**	15371
Key Quad:	Corona South (3311775)	**Element Code:**	CTT62400CA
Occurrence Number:	199	**Occurrence Last Updated:**	1998-07-22

Scientific Name: *Southern Sycamore Alder Riparian Woodland*

Common Name: Southern Sycamore Alder Riparian Woodland

Listing Status: **Federal:** None

State: None

Rare Plant Rank:

Other Lists:

CNDDB Element Ranks: **Global:** G4

State: S4

General Habitat:

Micro Habitat:

Last Date Observed:	1988-02-06	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1988-02-06	**Occurrence Rank:**	Unknown
Owner/Manager:	USFS-CLEVELAND NF	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SILVERADO AND LADD CANYONS U/S OF CONFLUENCE NEAR SILVERADO.

Detailed Location:

EXTANT, 1988, PER INTERPRETATION OF AERIAL PHOTOS. NO 1988 PHOTO COVERAGE OF EAST PART AVAILABLE, LAST SEEN 1980.

Ecological:

MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY QUERCUS AGRIFOLIA, ALNUS RHOMBIFOLIA AND PLATANUS RACEMOSA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS:	T05S, R07W, Sec. 04 (S)	**Accuracy:**	specific area	**Area (acres):**	1,280
UTM:	Zone-11 N3735886 E443048	**Latitude/Longitude:**	33.76154 / -117.61499	**Elevation (feet):**	1,420

County Summary:	**Quad Summary:**
Orange, Riverside	Santiago Peak (3311765), El Toro (3311766), Corona South (3311775), Black Star Canyon (3311776)

Sources:

HOL88M0001	HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX
USF35M0001	U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02888
EO Index: 15370
Key Quad: El Toro (3311766)
Element Code: CTT62400CA
Occurrence Number: 200
Occurrence Last Updated: 1998-07-22

Scientific Name: *Southern Sycamore Alder Riparian Woodland*
Common Name: Southern Sycamore Alder Riparian Woodland

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-06
Last Survey Date: 1988-02-06
Owner/Manager: PVT
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

LOWER SERRANO CREEK, U/S & D/S OF TRABUCO ROAD FOR APPROXIMATELY 1.5 MILES EACH DIRECTION.

Detailed Location:

EXTANT, 1988, PER INTERPRETATION OF AERIAL PHOTOS BUT BOUNDARY INCREASED.

Ecological:

MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY SALIX SPP. AND PLATANUS RACEMOSA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T06S, R08W, Sec. 14 (S)
Accuracy: specific area
Area (acres): 122
UTM: Zone-11 N3724028 E436899
Latitude/Longitude: 33.65425 / -117.68054
Elevation (feet): 440

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

USF35M0001 U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02989	**EO Index:**	15367
Key Quad:	Canada Gobernadora (3311755)	**Element Code:**	CTT62400CA
Occurrence Number:	202	**Occurrence Last Updated:**	1998-07-22

Scientific Name: *Southern Sycamore Alder Riparian Woodland*

Common Name: Southern Sycamore Alder Riparian Woodland

Listing Status: **Federal:** None

State: None

Rare Plant Rank:

Other Lists:

CNDDB Element Ranks: **Global:** G4

State: S4

General Habitat:

Micro Habitat:

Last Date Observed:	1988-02-06	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1988-02-06	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Decreasing
Presence:	Presumed Extant		

Location:

SAN JUAN CREEK, ABOUT 1.5 MILES EAST OF SAN JUAN CAPISTRANO ON BOTH SIDES OF HWY 74 (ORTEGA HWY).

Detailed Location:

EXTANT, 1988, PER INTERPRETATION OF AERIAL PHOTOS BUT DAMAGED BY GRAVEL PITS.

Ecological:

MAPPED BY WIESLANDER SURVEY AS OPEN POPULUS FREMONTII, BACCHARIS VIMINEA AND PLATANUS RACEMOSA.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS:	T07S, R07W, Sec. 32 (S)	**Accuracy:**	specific area	**Area (acres):**	189
UTM:	Zone-11 N3708894 E441975	**Latitude/Longitude:**	33.51804 / -117.62481	**Elevation (feet):**	160

County Summary:	**Quad Summary:**
Orange	Canada Gobernadora (3311755), San Juan Capistrano (3311756)

Sources:

HOL88M0001	HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX
USF35M0001	U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	03033	**EO Index:**	15362
Key Quad:	Santiago Peak (3311765)	**Element Code:**	CTT62400CA
Occurrence Number:	207	**Occurrence Last Updated:**	1998-07-22

Scientific Name: *Southern Sycamore Alder Riparian Woodland*

Common Name: Southern Sycamore Alder Riparian Woodland

Listing Status: **Federal:** None

State: None

Rare Plant Rank:

Other Lists:

CNDDB Element Ranks: **Global:** G4

State: S4

General Habitat:

Micro Habitat:

Last Date Observed:	1988-02-06	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1988-02-06	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ARROYO TRABUCO FROM ABOUT 300 TO 3200 FT, & TIJERAS, HOLY JIM, FALL CANYONS & UNNAMED TRIBUTARIES.

Detailed Location:

EXTANT, 1988, PER INTERPRETATION OF AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY AS QUERCUS AGRIFOLIA AND PLATANUS RACEMOSA WITH CLOSED CANOPY D/S AND OPEN CANOPY W/ADDITIONAL SPP BACCHARIS VIMINEA, Q. CHRYSOLEPIS AND GRASSES D/S.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS:	T06S, R07W, Sec. 21 (S)	**Accuracy:**	specific area	**Area (acres):**	2,244
UTM:	Zone-11 N3721920 E442574	**Latitude/Longitude:**	33.63556 / -117.61920	**Elevation (feet):**	960

County Summary:	**Quad Summary:**
Orange, Riverside	Canada Gobernadora (3311755), San Juan Capistrano (3311756), Alberhill (3311764), Santiago Peak (3311765)

Sources:

HOL88M0001	HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX
USF35M0001	U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02712
EO Index: 15348
Key Quad: Laguna Beach (3311757)
Element Code: CTT62400CA
Occurrence Number: 220
Occurrence Last Updated: 1998-07-22

Scientific Name: *Southern Sycamore Alder Riparian Woodland*
Common Name: Southern Sycamore Alder Riparian Woodland

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-06
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-06
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

EMERALD CANYON, SW-FACING SLOPE OF THE SAN JOAQUIN HILLS, SE OF NEWPORT BEACH.

Detailed Location:

EXTANT AND BOUNDARY EXTENDED D/S PER INTERPRETATION OF 1988 AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY QUERCUS AGRIFOLIA AND PLATANUS RACEMOSA WITH GRASS UNDERSTORY D/S ABOUT 380 FT.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T07S, R09W, Sec. 14 (S)
Accuracy: specific area
Area (acres): 119
UTM: Zone-11 N3714333 E426380
Latitude/Longitude: 33.56613 / -117.79318
Elevation (feet): 250

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

USF35M0001 U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02705
EO Index: 15347
Key Quad: Tustin (3311767)
Element Code: CTT62400CA
Occurrence Number: 221
Occurrence Last Updated: 1998-07-22

Scientific Name: *Southern Sycamore Alder Riparian Woodland*
Common Name: Southern Sycamore Alder Riparian Woodland

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-06
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-06
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

UPPER SAND CANYON RESERVOIR AND UNNAMED TRIBUTARIES, SAN JOAQUIN HILLS EAST OF NEWPORT BEACH.

Detailed Location:

EXTANT AND COMMUNITY HAS EXTENDED INTO CANYON AND OTHER TRIBS PRESUMABLY DUE TO FILLING OF RESERVOIR PER INTERPRETATION OF 1988 AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY QUERCUS AGRIFOLIA AND PLATANUS RACEMOSA ALONG SMALL TRIBUTARY TO CANYON.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T06S, R09W, Sec. 23 (S)
Accuracy: specific area
Area (acres): 62
UTM: Zone-11 N3722605 E426185
Latitude/Longitude: 33.64072 / -117.79596
Elevation (feet): 180

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

USF35M0001 U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02941
EO Index: 15346
Key Quad: San Juan Capistrano (3311756)
Element Code: CTT62400CA
Occurrence Number: 223
Occurrence Last Updated: 1998-07-22

Scientific Name: *Southern Sycamore Alder Riparian Woodland*
Common Name: Southern Sycamore Alder Riparian Woodland

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S4

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-06
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-06
Occurrence Rank: None
Owner/Manager: PVT
Trend: Unknown
Presence: Extirpated

Location:

UNNAMED STREAM NE OF MISSION VIEJO, SW-FACING ASPECT.

Detailed Location:

EXTIRPATED BY HOUSING DEVELOPMENT PER INTERPRETATION OF 1988 AERIAL PHOTOS.

Ecological:

MAPPED BY WIESLANDER SURVEY AS CLOSED CANOPY SALIX SPP AND PLATANUS RACEMOSA.

Threats:

General:

SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T06S, R08W, Sec. 36, NE (S)
Accuracy: specific area
Area (acres): 28
UTM: Zone-11 N3719141 E438405
Latitude/Longitude: 33.61026 / -117.66396
Elevation (feet): 460

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

USF35M0001 U.S. FOREST SERVICE - VEGETATION MAP, SAN DIEGO COUNTY, WIESLANDER MAP. 1935-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02935
EO Index: 15298
Key Quad: El Toro (3311766)
Element Code: CTT63300CA
Occurrence Number: 44
Occurrence Last Updated: 1998-07-23

Scientific Name: *Southern Riparian Scrub*
Common Name: Southern Riparian Scrub

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G3
State: S3.2

General Habitat:

Micro Habitat:

Last Date Observed: 1988-02-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-02-10
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

SANTIAGO CREEK, U/S OF SANTIAGO RESERVOIR FROM BAKER CANYON TO JUST D/S OF MODJESKA.

Detailed Location:

Ecological:

1988 EXTENT MAPPED FROM INTERPRETATION OF AERIAL PHOTOGRAPHS. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

Threats:

General:

NEEDS FIELD VERIFICATION OF VEGETATION CONDITION, COMPOSITION. SEE HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

PLSS: T05S, R08W, Sec. 13 (S)
Accuracy: specific area
Area (acres): 346
UTM: Zone-11 N3733326 E438502
Latitude/Longitude: 33.73820 / -117.66390
Elevation (feet): 1,070

County Summary:

Orange

Quad Summary:

El Toro (3311766), Black Star Canyon (3311776)

Sources:

HOL88M0001 HOLLAND, R.F. - FIELD MAPS OF LOS ANGELES RIPARIAN COMMUNITIES (SEE ALSO HOL88U0001). QUAD #3411727, 3411728, 3411438, 3411748, 3411821, 3411831, 3411841, 3411855, 3411864, 3411865, 3411866) 1988-04-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	39361	**EO Index:**	34363
Key Quad:	El Toro (3311766)	**Element Code:**	ICBRA07010
Occurrence Number:	10	**Occurrence Last Updated:**	2014-05-20

Scientific Name: *Streptocephalus woottoni*

Common Name: Riverside fairy shrimp

Listing Status: **Federal:** Endangered

State: None

Rare Plant Rank:

Other Lists: IUCN_EN-Endangered

CNDDB Element Ranks: **Global:** G1G2

State: S2

General Habitat:

ENDEMIC TO WESTERN RIVERSIDE, ORANGE, AND SAN DIEGO COUNTIES IN AREAS OF TECTONIC SWALES/EARTH SLUMP BASINS IN GRASSLAND AND COASTAL SAGE SCRUB.

Micro Habitat:

INHABIT SEASONALLY ASTATIC POOLS FILLED BY WINTER/SPRING RAINS. HATCH IN WARM WATER LATER IN THE SEASON.

Last Date Observed:	1998-03-06	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1998-03-06	**Occurrence Rank:**	Good
Owner/Manager:	PVT-SCE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

"WHITING RANCH" SITE, 0.7 AIR MILE EAST OF JUNCTION OF HIGHWAY 241 AND PORTOLA PARKWAY, FOOTHILL RANCH.

Detailed Location:

"VERNAL POOL #1" IN COMPLEX OF 16 ARTIFICIAL AND NATURAL VERNAL POOLS, FROM 1998 REPORT. PROPOSED AS PART OF "SCE VIEJO CONSERVATION BANK" CIRCA 1998, STATUS UNKNOWN.

Ecological:

AN APPARENTLY ARTIFICIAL SEASONAL POND, 11.6' X 15.6' AND 1.5' DEEP IN JAN 1998. POOL VEGETATION INCLUDED CALLITRICHE MARGINATA AND GNAPHALIUM PALUSTRE, WITH COASTAL SAGE SCRUB AND CHAPARRAL IN UPLANDS.

Threats:

NON-NATIVE PLANTS, ORV USE, FIRE PROTECTION (2008).

General:

FIRST OBSERVED 29 JAN 1998. ESTIMATED ABUNDANCE 2,000-3,000 ADULTS ON 6 MAR 1998; 20 VOUCHERS COLLECTED AND DEPOSITED AT LACM & WITH USFWS. ACCESS DENIED IN 2009.

PLSS:	T06S, R07W, Sec. 08, NW (S)	**Accuracy:**	80 meters	**Area (acres):**	0
UTM:	Zone-11 N3725391 E440734	**Latitude/Longitude:**	33.66676 / -117.63927	**Elevation (feet):**	1,000

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

BOM98F0002	BOMKAMP, T. (GLENN LUKOS ASSOCIATES) - FIELD SURVEY FORM FOR STREPTOCEPHALUS WOOTTONI 1998-03-06
FWS08R0005	U.S. FISH AND WILDLIFE SERVICE - RIVERSIDE FAIRY SHRIMP (STREPTOCEPHALUS WOOTTONI) 5-YEAR REVIEW: SUMMARY AND EVALUATION 2008-09-XX
LAH10R0001	LAHTI, M. ET AL. (U.S. GEOLOGICAL SURVEY) - DATA SUMMARY FOR THE 2010 FIELD AND GENETIC SURVEYS OF THE RIVERSIDE FAIRY SHRIMP (STREPTOCEPHALUS WOOTTONI) IN SOUTHERN CALIFORNIA. 2010-XX-XX
NEL98R0001	NELSON, S. ET AL. (PCR SERVICES CORPORATION) - WETLAND DELINEATION AND VERNAL POOL TECHNICAL REPORT, VIEJO SUBSTATION PROPERTY 1998-06-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 91938
EO Index: 93012
Key Quad: El Toro (3311766)
Element Code: ICBRA07010
Occurrence Number: 41
Occurrence Last Updated: 2014-03-27

Scientific Name: *Streptocephalus woottoni*
Common Name: Riverside fairy shrimp

Listing Status: **Federal:** Endangered
Rare Plant Rank:
State: None
Other Lists: IUCN_EN-Endangered

CNDDB Element Ranks: **Global:** G1G2
State: S2

General Habitat:

ENDEMIC TO WESTERN RIVERSIDE, ORANGE, AND SAN DIEGO COUNTIES IN AREAS OF TECTONIC SWALES/EARTH SLUMP BASINS IN GRASSLAND AND COASTAL SAGE SCRUB.

Micro Habitat:

INHABIT SEASONALLY ASTATIC POOLS FILLED BY WINTER/SPRING RAINS. HATCH IN WARM WATER LATER IN THE SEASON.

Last Date Observed: 2005-03-04
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-03-04
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

"EL TORO" SITE, IN ORANGE COUNTY GREAT PARK, 0.5 MILE SE OF JUNCTION OF PORTOLA PKWY AND HIGHWAY 241, NORTH OF EL TORO.

Detailed Location:

FORMERLY EL TORO MARINE CORPS AIR STATION. CONVERTED TO PRESERVE.

Ecological:

MANMADE EPHEMERAL POND IN 975-ACRE HABITAT PRESERVE, UNDISTURBED LAND FORMERLY USED AS EXPLOSIVES RANGE. IN NON-NATIVE GRASSLAND, COASTAL SAGE SCRUB, AND TOYON-SUMAC CHAPARRAL.

Threats:

NON-NATIVE PLANTS (2008).

General:

IMMATURE FAIRY SHRIMP FIRST SEEN ON 4 FEB; 1000S OF IMMATURE RFS 18 FEB; 1000S OF MATURE RFS, INCLUDING GRAVID FEMALES, ON 4 MAR 2005. ACCESS DENIED IN 2009.

PLSS: T05S, R08W, Sec. 35, SW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3727953 E436291
Latitude/Longitude: 33.68961 / -117.68738
Elevation (feet): 700

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

FWS08R0005	U.S. FISH AND WILDLIFE SERVICE - RIVERSIDE FAIRY SHRIMP (STREPTOCEPHALUS WOOTTONI) 5-YEAR REVIEW: SUMMARY AND EVALUATION 2008-09-XX
LAH10R0001	LAHTI, M. ET AL. (U.S. GEOLOGICAL SURVEY) - DATA SUMMARY FOR THE 2010 FIELD AND GENETIC SURVEYS OF THE RIVERSIDE FAIRY SHRIMP (STREPTOCEPHALUS WOOTTONI) IN SOUTHERN CALIFORNIA. 2010-XX-XX
SWA05R0002	SWARD, L. (HELIX ENVIRONMENTAL PLANNING, INC.) - 2005 ANNUAL REPORT WET SEASON SURVEY FOR SAN DIEGO AND RIVERSIDE FAIRY SHRIMP 2005-06-02

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02534
EO Index: 121055
Key Quad: Newport Beach (3311768)
Element Code: IICOL02110
Occurrence Number: 11
Occurrence Last Updated: 2021-11-30

Scientific Name: *Cicindela latesignata*
Common Name: western beach tiger beetle

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists:

CNDDB Element Ranks: **Global:** G2G3
State: S1

General Habitat:

MUDFLATS AND BEACHES OF COASTAL ESTUARIES FROM SAN DIEGO COUNTY TO LOS ANGELES COUNTY.

Micro Habitat:

TYPICALLY INHABIT WET OR DRY SANDY BEACHES AND MUD, SAND, OR SALT FLATS.

Last Date Observed: 1976-06-13
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1979-XX-XX
Occurrence Rank: None
Owner/Manager: DFG-UPPER NEWPORT BAY ER
Trend: Unknown
Presence: Possibly Extirpated

Location:

UPPER NEWPORT BAY, CITY OF NEWPORT BEACH.

Detailed Location:

MAPPED NON-SPECIFICALLY TO UPPER NEWPORT BAY.

Ecological:

RUMPP NOTED THAT THE FEW C. LATESIGNATA PRESENT WERE CHASED OUT OF THE SUCCULENT/GRASSY AREA AND LANDED ON THE WHITE AND DRIER SAND FLATS.

Threats:

DEVELOPMENT, POLLUTION, AND RECREATION.

General:

COLLECTED HERE IN 1953, 1968, 1969, 1971, 1972, AND 1976. NOT FOUND BY NAGANO DURING HIS RESEARCH IN 1979 AND CONSIDERED POSSIBLY EXTIRPATED.

PLSS: T06S, R10W, Sec. 23, E (S)
Accuracy: non-specific area
Area (acres): 562
UTM: Zone-11 N3722246 E417545
Latitude/Longitude: 33.63685 / -117.88909
Elevation (feet): 1

County Summary:

Orange

Quad Summary:

Tustin (3311767), Newport Beach (3311768)

Sources:

CAS68S0002	CALIFORNIA ACADEMY OF SCIENCES - CAS ENT #8175087 & 8175088 COLLECTED AT NEWPORT, BACK BAY, ORANGE COUNTY 1968-04-01
CIC71S0001	CICERO, J. - TAMU #X0888931 COLLECTED AT NEWPORT BACK BAY, ORANGE COUNTY 1971-07-14
KNI14A0001	KNISLEY, C.B. ET AL. (RANDOLPH-MACON COLLEGE) - CONSERVATION STATUS OF UNITED STATES TIGER BEETLES. TERRESTRIAL ARTHROPOD REVIEWS 7: 93-145. 2014-XX-XX
NAG72S0001	NAGANO, C. - SDNHM #51514, 51541 & 51543 COLLECTED AT NEWPORT BACK BAY, ORANGE COUNTY 1972-06-24
NAG80A0001	NAGANO, C. (LOS ANGELES COUNTY MUSEUM) - POPULATION STATUS OF THE TIGER BEETLES OF THE GENUS CICINDELA (COLEOPTERA: CICINDELIDAE) INHABITING THE MARINE SHORELINE OF SOUTHERN CALIFORNIA. ATALA 1980(82) 8(2): 33-42. 1980-XX-XX
NAG80R0001	NAGANO, C. (LOS ANGELES COUNTY MUSEUM) - POPULATION STATUS OF THE BEETLES OF THE GENUS CICINDELA (COLEOPTERA: CICINDELIDAE) INHABITING THE MARINE SHORELINE OF SOUTHERN CALIFORNIA. MANUSCRIPT, LATER PUBLISHED IN ATALA. 43P 1980-XX-XX
ROB69S0001	ROBERTSON, J. - CAS ENT #8186172 COLLECTED AT NEWPORT BAY, ORANGE COUNTY 1969-05-25
RUM76S0002	RUMPP, N. - CAS ENT #8186166, 8186167, 8186168, 8186169 & 8186170 COLLECTED AT UPPER NEWPORT BAY, ORANGE COUNTY 1976-06-13
RUM79R0001	RUMPP, N. - CICINDELA LATESIGNATA LECONTE, ON THE STATUS OF ITS SUBSPECIES. UNPUBLISHED REPORT. 7 PAGES. 1979-06-XX
RUM88U0001	RUMPP, N. - UNPUBLISHED SUMMARIES ON BEETLES: CICINDELA LATESIGNATA, C. SENILIS FROSTI, C. GABBII, C. TRANQUEBARICA VIRIDISSIMA & AGABUS RUMPPI. 1988-XX-XX
WIL53S0001	WILLIAMS, R. - CAS ENT #8175149 COLLECTED AT NEWPORT, BACK BAY, ORANGE COUNTY 1953-07-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B9328
Key Quad: El Toro (3311766)
Occurrence Number: 214

EO Index: 125545
Element Code: IIHYM24260
Occurrence Last Updated: 2023-08-25

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2016-06-04
Last Survey Date: 2016-06-04
Owner/Manager: UNKNOWN
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

JUST S OF ALTON PKWY AT CA-241, 0.9 MI SW OF FOOTHILL RANCH, ABOUT 8.5 MI E OF CENTRAL IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES.

Ecological:

PLENTY OF NECTAR FLOWERS NEARBY.

Threats:

LOCATION IS ADJACENT TO CA-241 WITH OTHER ROADS NEARBY- POSSIBLE VEHICLE COLLISION.

General:

1 ADULT FOUND AND PHOTOGRAPHED ON 4 JUN 2016.

PLSS: T06S, R08W, Sec. 1, W (S)
UTM: Zone-11 N3726748 E437554

Accuracy: 1/10 mile
Latitude/Longitude: 33.67881 / -117.67368

Area (acres): 18
Elevation (feet): 722

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

INA16U0086	INATURALIST & J. BAILEY - OBSERVATION 3384903 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2023-08-25. 2016-06-04
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B9333	**EO Index:**	125547
Key Quad:	El Toro (3311766)	**Element Code:**	IIHYM24260
Occurrence Number:	215	**Occurrence Last Updated:**	2023-08-28

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2019-06-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2019-06-24	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.16 MI SE OF IRVINE BLVD AT CA-133, ABOUT 1 MI S OF SIPHON RESERVOIR, ABOUT 5.5 MI NE OF CENTRAL IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES

Ecological:

INDIVIDUAL HAD LARGE POLLEN BASKETS AND WAS OBSERVED FORAGING ON A FLOWER.

Threats:

General:

1 ADULT FOUND AND PHOTOGRAPHED ON 24 JUN 2019.

PLSS:	T05S, R08W, Sec. 32, NE (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3728652 E432043	**Latitude/Longitude:**	33.69565 / -117.73327	**Elevation (feet):**	338

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

INA19U0270	INATURALIST & S. PARSONS - OBSERVATION 27632446 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2023-08-25 2019-06-24
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B9334
Key Quad: El Toro (3311766)
Occurrence Number: 216

EO Index: 125551
Element Code: IIHYM24260
Occurrence Last Updated: 2023-08-28

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2019-07-11
Last Survey Date: 2019-07-11
Owner/Manager: ORA COUNTY-GREAT PARK
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

WITHIN GREAT PARK, 0.26 MI SW OF IRVINE BLVD AT LAMBERT RD, ABOUT 5.6 MI ENE OF CENTRAL IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES. FORMER EL TORRO AIR STATION (AIRPORT).

Ecological:

INDIVIDUAL(S) SEEN FORAGING ON FLOWERS.

Threats:

General:

1 OR 2 ADULTS FOUND AND PHOTOGRAPHED ON 11 JUL 2019.

PLSS: T05S, R08W, Sec. 33, SW (S)
UTM: Zone-11 N3727712 E432489

Accuracy: 1/10 mile
Latitude/Longitude: 33.6872 / -117.72839

Area (acres): 18
Elevation (feet): 366

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

INA19U0271	INATURALIST - OBSERVATIONS 39303574 & 39303585 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2023-08-28. 2019-07-11
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B9335
Key Quad: El Toro (3311766)
Occurrence Number: 217

EO Index: 125552
Element Code: IIHYM24260
Occurrence Last Updated: 2023-08-28

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 1970-05-02
Last Survey Date: 1970-05-02
Owner/Manager: UNKNOWN
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

COMMUNITY OF EL TORO (= LAKE FOREST), ABOUT 3.5 MI NNE OF CENTRAL MISSION VIEJO, 7.5 MI E OF IRVINE.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED NON-SPECFICIALLY TO THE COMMUNITY OF EL TORO.

Ecological:

Threats:

EL TORO HAS BEEN EXTENSIVELY DEVELOPED SINCE TIME OF LAST COLLECTION.

General:

2 ADULTS COLLECTED ON 19 JUN 1938 (LACMENT #1714 & #1740). 1 ADULT FEMALE COLLECTED ON 2 MAY 1970 (UCRCENT #295555).

PLSS: T06S, R08W, Sec. 15 (S)
Accuracy: 1 mile
Area (acres): 1,987
UTM: Zone-11 N3723346 E435560
Latitude/Longitude: 33.64801 / -117.69493
Elevation (feet): 420

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

ANO38S0020	ANONYMOUS - LACMENT #1714 & #1740 COLLECTED NEAR EL TORO, ORANGE COUNTY 1938-06-19
ANO70S0019	ANONYMOUS - UCRCENT #295555 COLLECTED NEAR EL TORO, ORANGE COUNTY 1970-05-02
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B9336	**EO Index:**	125553
Key Quad:	El Toro (3311766)	**Element Code:**	IIHYM24260
Occurrence Number:	218	**Occurrence Last Updated:**	2023-08-28

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2020-07-18	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-07-18	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ALONGSIDE ALISO CREEK NEAR TRABUCO ROAD, ABOUT 2.5 MI NE OF LAGUNA HILLS, 8.8 MI SE OF CENTRAL IRVINE.

Detailed Location:

MAPPED AS A TWO PART POLYGON TO THE PROVIDED COORDINATES.

Ecological:

BOTH INDIVIDUALS SEEN FORAGING ON FLOWERS AT PRIVATE RESIDENCES. AREA IS PRIMARILY RESIDENTIAL WITH SOME RIPARIAN HABITAT AT NEARBY CREEK.

Threats:

General:

1 ADULT FOUND AND PHOTOGRAPHED WHILE FORAGING ON CIRSIUM OCCIDENTALE ON 18 APR 2020. 1 ADULT FOUND AND PHOTOGRAPHED WITH NOTICEABLE POLLEN BASKETS ON 18 JUL 2020.

PLSS:	T06S, R08W, Sec. 23, SE (S)	**Accuracy:**	non-specific area	**Area (acres):**	87
UTM:	Zone-11 N3721642 E437200	**Latitude/Longitude:**	33.63274 / -117.67713	**Elevation (feet):**	488

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

INA20U0362	INATURALIST - OBSERVATION 42501860 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2023-08-28. 2020-04-18
INA20U0363	INATURALIST & D. DEVRIES - OBSERVATION 53553825 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2023-08-28. 2020-07-18
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B9337	**EO Index:**	125555
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	IIHYM24260
Occurrence Number:	220	**Occurrence Last Updated:**	2023-08-28

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2012-01-13	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2012-01-13	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

JUST SE OF CA-74 AT ONEIL RANCH ROAD, 2.3 MI NE OF SAN JUAN CAPISTRANO, 6.2 MI N OF SAN CLEMENTE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES.

Ecological:

INDIVIDUAL SEEN FORAGING ON NON-NATIVE SONCHUS SP. IN DRY RIVERBED TERRACE ABOVE AN ACTIVE STREAM (SAN JUAN CREEK).

Threats:

General:

1 ADULT FEMALE FOUND AND PHOTOGRAPHED BY J. GREEN ON 13 JAN 2012.

PLSS:	T07S, R07W, Sec. 32, SE (S)	**Accuracy:**	non-specific area	**Area (acres):**	33
UTM:	Zone-11 N3708774 E441828	**Latitude/Longitude:**	33.51695 / -117.6264	**Elevation (feet):**	146

County Summary:	**Quad Summary:**
Orange	Canada Gobernadora (3311755), San Juan Capistrano (3311756)

Sources:

INA12U0020	INATURALIST & J. GREEN - OBSERVATION 53417350 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2023-08-28. [= BUMBLE BEE WATCH OBSERVATION 67672] 2012-01-13
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 66320
Key Quad: Tustin (3311767)
Occurrence Number: 237
EO Index: 125589
Element Code: IIHYM24260
Occurrence Last Updated: 2023-09-11

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 1958-01-04
Last Survey Date: 1958-01-04
Owner/Manager: UNKNOWN
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

SANTA ANA.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED NON-SPECIFICALLY TO THE CITY OF SANTA ANA.

Ecological:

BOMBUS CROTCHII ALSO COLLECTED AT THIS LOCATION.

Threats:

General:

2 COLLECTED ON 12 AUG 1917 (BOMBUS #1109 & #1110). 1 ADULT COLLECTED ON 4 SEP 1936 (LACMENT #1867). 1 ADULT FEMALE COLLECTED BY R. BISHOP ON 5 OCT 1942 (UCRCENT #295551). 1 ADULT FEMALE COLLECTED BY J. BATH ON 4 JAN 1958 (UCRCENT #295556).

PLSS: T05S, R09W, Sec. 18 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3734300 E419616
Latitude/Longitude: 33.74572 / -117.86785
Elevation (feet): 110

County Summary:	Quad Summary:
Orange	Tustin (3311767), Newport Beach (3311768), Orange (3311777), Anaheim (3311778)

Sources:

ANO17S0012	ANONYMOUS - BBSL BOMBUS #1109 & #1110 COLLECTED NEAR SANTA ANA, ORANGE COUNTY 1917-08-12
ANO36S0018	ANONYMOUS - LACMENT #1867 COLLECTED NEAR SANTA ANA, ORANGE COUNTY 1936-09-04
BAT58S0001	BATH, J. - UCRCENT #295556 COLLECTED NEAR SANTA ANA, ORANGE COUNTY 1958-01-04
BIS42S0001	BISHOP, R. - UCRCENT #295551 COLLECTED NEAR SANTA ANA, ORANGE COUNTY 1942-10-05
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B9466
Key Quad: Laguna Beach (3311757)
Occurrence Number: 256

EO Index: 125697
Element Code: IIHYM24260
Occurrence Last Updated: 2023-10-10

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2020-09-11
Last Survey Date: 2020-09-11
Owner/Manager: DPR-CRYSTAL COVE SP
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

CRYSTAL COVE STATE PARK PARKING LOT, 0.38 MI E OF EL MORO CANYON RD AT CA-1, 0.6 MI N OF ABALONE POINT.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUAL FOUND ON THE GROUND OF PARKING LOT. SURROUNDING AREA IS CRYSTAL COVE STATE PARK, COMPRISED OF A NATURAL SHORELINE TO THE SW AND COASTAL SAGE SCRUB AND SOUTHERN RIPARIAN WOODLAND TO THE NE.

Threats:

General:

1 ADULT FOUND AND PHOTOGRAPHED ON 11 SEP 2020.

PLSS: T07S, R09W, Sec. 16, E (S)
Accuracy: 1/10 mile
Area (acres): 18

UTM: Zone-11 N3713970 E423917
Latitude/Longitude: 33.56268 / -117.81969
Elevation (feet): 45

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

INA20U0385	INATURALIST - OBSERVATION 59294014 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2023-10-10. 2020-09-11
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B9469	**EO Index:**	125700
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	IIHYM24260
Occurrence Number:	257	**Occurrence Last Updated:**	2024-05-30

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2023-08-05	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2023-08-05	**Occurrence Rank:**	Unknown
Owner/Manager:	CITY OF MISSION VIEJO, PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.17 MI NE & NW OF LOPE DE VEGA DR AT CARLOTA DR, 0.5 MI S OF EL TORO RESERVOIR, 0.75 MI W OF MARGUERITE REC CENTER.

Detailed Location:

MAPPED AS A TWO-PART POLYGON TO THE PROVIDED COORDINATES. 5 INDIVIDUALS FOUND AT CHRISTOPHER PARK. 1 INDIVIDUAL FOUND AT PRIVATE RESIDENCE ABOUT 0.28 MI WSW OF CHRISTOPHER PARK.

Ecological:

INDIVIDUALS WERE ALL FOUND FORAGING ON FLOWERS. CHRISTOPHER PARK IS SURROUNDED BY RESIDENTIAL DEVELOPMENT.

Threats:

General:

1 ADULT FOUND & PHOTOGRAPHED ON 23 AUG 2020. 2 ADULTS FOUND & PHOTOGRAPHED ON 29 AUG 2020. 1 ADULT FOUND & PHOTOGRAPHED ON 6 SEP 2020. 1 ADULT FOUND & PHOTOGRAPHED ON 11 SEP 2020. 1 ADULT FOUND & PHOTOGRAPHED ON 5 AUG 2023.

PLSS:	T06S, R08W, Sec. 25, SE (S)	**Accuracy:**	non-specific area	**Area (acres):**	35
UTM:	Zone-11 N3719857 E438491	**Latitude/Longitude:**	33.61672 / -117.66309	**Elevation (feet):**	596

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

INA20U0386	INATURALIST & R. PETERS - OBSERVATION 57404281 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2023-10-10. 2020-08-23
INA20U0387	INATURALIST & R. PETERS - OBSERVATIONS 57950553 & 57950605 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2023-10-10. 2020-08-29
INA20U0388	INATURALIST & R. PETERS - OBSERVATION 58737184 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2023-10-10. 2020-09-06
INA20U0389	INATURALIST & R. PETERS - OBSERVATION 59270239 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2023-10-10. 2020-09-11
INA23U1200	INATURALIST - OBSERVATION 176891104 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-30. 2023-08-05
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B9489	**EO Index:**	125719
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	IIHYM24260
Occurrence Number:	261	**Occurrence Last Updated:**	2023-10-16

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2022-06-25	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2022-06-25	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

JUST SE OF FOUR OAKS PARK, 0.17 MI S OF SAN JUAN CREEK RD AT AVENIDA LA MANCHA, 0.85 MI E OF MISSION CEMETERY.

Detailed Location:

SAN JUAN CAPISTRANO. MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUAL SEEN FORAGING ON FLOWERS AT PRIVATE RESIDENCE.

Threats:

General:

1 ADULT FOUND & PHOTOGRAPHED ON 25 JUN 2022.

PLSS:	T08S, R07W, Sec. 5, SW (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3707149 E440412	**Latitude/Longitude:**	33.50222 / -117.64153	**Elevation (feet):**	165

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

INA22U0287	INATURALIST - OBSERVATION 123376872 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2023-10-16. 2022-06-25
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B9491
Key Quad: Dana Point (3311746)
Occurrence Number: 263

EO Index: 125722
Element Code: IIHYM24260
Occurrence Last Updated: 2023-10-16

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2016-10-12
Last Survey Date: 2016-10-12
Owner/Manager: CITY OF LAGUNA NIGUEL
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

SALT CORRIDOR REGIONAL PARK, 0.43 MI W OF RIDGEWAY AVE AT CHARLES RD, 1.4 MI NE OF MUSSEL COVE.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES USING THE PROVIDED ACCURACY.

Ecological:

INDIVIDUAL SEEN FORAGING ON A FLOWER. SALT CORRIDOR REGIONAL PARK IS COMPRISED OF GRASSLAND AND CHAPARRAL HABITATS SURROUNDING SALT CREEK.

Threats:

General:

1 ADULT FOUND & PHOTOGRAPHED ON 12 OCT 2016.

PLSS: T08S, R08W, Sec. 9, NE (S)
Accuracy: non-specific area
Area (acres): 121

UTM: Zone-11 N3706732 E433670
Latitude/Longitude: 33.49806 / -117.71409
Elevation (feet): 174

County Summary:

Orange

Quad Summary:

Dana Point (3311746), San Juan Capistrano (3311756)

Sources:

INA16U0103 INATURALIST - OBSERVATION 45655791 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2023-10-16. 2016-10-12

RIC22D0001 RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B9492	**EO Index:**	125723
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	IIHYM24260
Occurrence Number:	264	**Occurrence Last Updated:**	2023-10-16

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2020-07-24	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-07-24	**Occurrence Rank:**	Unknown
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

VICINITY OF SEACOVE DR AT CA-1, 0.65 MI SE OF ALISO PIER, 1.15 MI NNW OF MUSSEL COVE, LAGUNA BEACH.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUAL WITH VISIBLE POLLEN BASKETS FOUND FORAGING ON TRUMPET VINE (GENUS AMPHILOPHIUM). SURROUNDING AREA IS COMMERCIALLY AND RESIDENTIALLY DEVELOPED WITH COASTLINE DIRECTLY SW.

Threats:

MANY ROADS NEARBY, INCLUDING CA-1; POSSIBLE VEHICLE STRIKES.

General:

1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 24 JUL 2020.

PLSS:	T08S, R08W, Sec. 5, SW (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3707227 E430849	**Latitude/Longitude:**	33.50234 / -117.74449	**Elevation (feet):**	129

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

INA20U0399	INATURALIST & S. LAWRENCE - OBSERVATION 54193203 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2023-10-16. 2020-07-24
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B9493
Key Quad: Laguna Beach (3311757)
Occurrence Number: 265

EO Index: 125724
Element Code: IIHYM24260
Occurrence Last Updated: 2023-10-16

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 1930-07-30
Last Survey Date: 1930-07-30
Owner/Manager: CITY OF LAGUNA BEACH
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

GOFF ISLAND, BETWEEN VICTORIA BEACH AND ALISO BEACH, 1.1 MI SE OF CACTUS POINT, LAGUNA BEACH.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED NON-SPECIFICALLY TO LOCATION STATED AS "LAGUNA BEACH; GOFF ISLAND".

Ecological:

Threats:

AREA HAS UNDERGONE SOME DEVELOPMENT SINCE TIME OF COLLECTION.

General:

1 INDIVIDUAL COLLECTED ON 30 JUL 1930 (BBSL BOMBUS #1060).

PLSS: T07S, R08W, Sec. 31, SW (S)
Accuracy: 1/5 mile
Area (acres): 70

UTM: Zone-11 N3708610 E429499
Latitude/Longitude: 33.51473 / -117.75913
Elevation (feet): 53

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

ANO30S0020	ANONYMOUS - BBSL BOMBUS #1060 COLLECTED NEAR GOFF ISLAND, LAGUNA BEACH, ORANGE COUNTY 1930-07-30
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0442
Key Quad: Tustin (3311767)
Occurrence Number: 483

EO Index: 130667
Element Code: IIHYM24260
Occurrence Last Updated: 2024-05-17

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2017-09-02
Last Survey Date: 2017-09-02
Owner/Manager: PVT
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

JUST SW OF ZENITH AVE AT BAYVIEW AVE, 0.75 MI NW OF BONITA CREEK PARK, 1.1 MI E OF BACK BAY (MONTE VISTA) HIGH SCHOOL.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUAL FOUND FORAGING ON FLOWERS AT PRIVATE RESIDENCE. AREA IS RESIDENTIALLY & COMMERCIALLY DEVELOPED WITH UPPER NEWPORT BAY ECOLOGICAL RESERVE TO THE S.

Threats:

General:

1 ADULT FOUND & PHOTOGRAPHED ON 2 SEP 2017.

PLSS: T06S, R10W, Sec. 13, NE (S)
Accuracy: 1/10 mile
Area (acres): 18

UTM: Zone-11 N3724381 E419288
Latitude/Longitude: 33.65624 / -117.8705
Elevation (feet): 58

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

INA17U0317	INATURALIST - OBSERVATION 7754033 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-14. 2017-09-02
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0443
Key Quad: Tustin (3311767)
Occurrence Number: 484

EO Index: 130669
Element Code: IIHYM24260
Occurrence Last Updated: 2024-08-23

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2024-08-06
Last Survey Date: 2024-08-06
Owner/Manager: IRVINE RANCH WATER DIST, UC
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Good
Trend: Unknown

Location:

SAN JOAQUIN MARSH WILDLIFE SANCTUARY, 1 MI N OF ALDRICH PARK, 2.25 MI ENE OF UPPER NEWPORT BAY NATURE PRESERVE, IRVINE.

Detailed Location:

MAPPED AS A TWO-PART POLYGON TO THE PROVIDED COORDINATES. INDIVIDUALS ALL FOUND AT UCI ARBORETUM & SAN JOAQUIN MARSH. GENERAL COLLECTIONS FROM "SAN JOAQUIN MARSH/WILDLIFE AREA" ALSO ATTRIBUTED TO THIS LOCATION.

Ecological:

MOST INDIVIDUALS FOUND FORAGING ON FLOWERS. SAN JOAQUIN MARSH WILDLIFE SANCTUARY CONSISTS OF MORE THAN 300 ACRES OF COASTAL FRESHWATER WETLANDS.

Threats:

General:

1 COLLECTED IN OCT 1966. 1 IN SEP 2008. 2 IN FEB 2010. 3-4 IN MAR 2010. 1 IN JUN 2014. 2 IN JUL-AUG 2016. 3 IN JUL-AUG 2017. 1 IN AUG 2019. 1 IN MAR 2020. 1 IN JUN 2020. 6 IN JUL-AUG 2022. 7 IN JUN-AUG 2023. 1 IN APR 2024. 8 IN JUN-AUG 2024

PLSS: T06S, R09W, Sec. 8 (S)
UTM: Zone-11 N3724687 E421088

Accuracy: non-specific area
Latitude/Longitude: 33.65913 / -117.85111

Area (acres): 350
Elevation (feet): 8

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

BUM14U0004	BUMBLE BEE WATCH & B. DEMORY - OBSERVATION 2299 FROM HTTP://WWW.BUMBLEBEEWATCH.ORG. ACCESSED 2024-05-17. 2014-06-04
HEM08U0002	HEMBERGER, R. - BUGGUIDE #228147 COLLECTED AT UCI ARBORETUM, ORANGE COUNTY 2008-09-23
HEM10U0001	HEMBERGER, R. - BUGGUIDE #371127, #371128, & #371129 COLLECTED AT UCI ARBORETUM, IRVINE, ORANGE COUNTY 2010-02-11
HEM10U0002	HEMBERGER, R. - BUGGUIDE #373095, #373096, #373097, & #373098 COLLECTED AT UCI ARBORETUM, IRVINE, ORANGE COUNTY 2010-02-23
HEM10U0003	HEMBERGER, R. - BUGGUIDE #375236 & #375237 COLLECTED AT UCI ARBORETUM, IRVINE, ORANGE COUNTY 2010-03-06
HEM10U0004	HEMBERGER, R. - BUGGUIDE #375248 & #375251 COLLECTED AT UCI ARBORETUM, IRVINE, ORANGE COUNTY 2010-03-06
HEM10U0005	HEMBERGER, R. - BUGGUIDE #375249 & #375250 COLLECTED AT UCI ARBORETUM, IRVINE, ORANGE COUNTY 2010-03-06
HEM16U0001	HEMBERGER, R. - BUGGUIDE #1261832, #1261833, #1261834, & #1261835 FOUND AT SAN JOAQUIN MARSH, IRVINE, ORANGE COUNTY 2016-07-19
INA16U0240	INATURALIST & A. LAZERE - OBSERVATION 7221355 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2016-08-06
INA17U0337	INATURALIST & A. LAZERE - OBSERVATION 7161228 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2017-07-20
INA17U0338	INATURALIST & V. BOOTH - OBSERVATION 7431862 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2017-08-09
INA19U0748	INATURALIST & K. MOORE - OBSERVATION 30657700 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2019-08-11
INA20U0819	INATURALIST - OBSERVATION 40056304 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2020-03-15
INA20U0820	INATURALIST & A. LAZERE - OBSERVATION 49141099 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2020-06-10
INA22U0957	INATURALIST & A. MODY - OBSERVATION 125371828 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2022-07-08
INA22U0958	INATURALIST & A. MODY - OBSERVATION 126568818 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2022-07-14
INA22U0959	INATURALIST & A. MODY - OBSERVATION 127460762 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2022-07-22
INA22U0960	INATURALIST & N. EARNHART - OBSERVATION 127590566 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2022-07-22
INA22U0961	INATURALIST & A. MODY - OBSERVATION 128693556 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2022-07-29
INA22U0962	INATURALIST & J. MILLS-ANDERSON - OBSERVATION 132725840 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2022-08-28
INA23U1331	INATURALIST & J. SCHLAUCH - OBSERVATION 165783718 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2023-06-04
INA23U1332	INATURALIST & S. BRESSLER - OBSERVATION 172015237 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2023-07-09
INA23U1333	INATURALIST - OBSERVATION 172067856 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2023-07-09
INA23U1334	INATURALIST - OBSERVATION 175760222 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2023-07-30
INA23U1335	INATURALIST - OBSERVATION 175838153 & 175838740 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2023-07-30
INA23U1336	INATURALIST - OBSERVATION 177287988 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2023-08-04
INA24U0308	INATURALIST - OBSERVATION 222767380 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2024-06-14
INA24U0309	INATURALIST - OBSERVATION 207835811 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2024-04-17
INA24U0310	INATURALIST - OBSERVATION 227156800 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2024-07-04
INA24U0311	INATURALIST & J. SCHLAUCH - OBSERVATION 227818023 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-17. 2024-07-05
INA24U0313	INATURALIST & L. GLEVANIK - OBSERVATION 223202202 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-18. 2024-06-15
INA24U0314	INATURALIST - OBSERVATION 227209586 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-18. 2024-07-04
INA24U0315	INATURALIST - OBSERVATION 225416308 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-18. 2024-06-26
INA24U0316	INATURALIST - OBSERVATION 227856301 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-18. 2024-07-07
INA24U0474	INATURALIST - OBSERVATION 234398569 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-08-23. 2024-08-06
LAZ17U0001	LAZERE, A. - BUGGUIDE #1407647 & #1407648 FOUND AT SAN JOAQUIN WILDLIFE AREA, ORANGE COUNTY 2017-07-20
MAR66S0006	MARSH, G. - EMEC #550881 COLLECTED NEAR SAN JOAQUIN FRESH WATER MARSH RESERVE, ORANGE COUNTY 1966-10-19
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0445
Key Quad: Tustin (3311767)
Occurrence Number: 485

EO Index: 130670
Element Code: IIHYM24260
Occurrence Last Updated: 2024-05-17

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2023-09-09
Last Survey Date: 2023-09-09
Owner/Manager: PVT
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

BLUE HERON PARK, JUST S OF ALTA VISTA DR AT BASSWOOD ST, 0.5 MI ESE OF EASTBLUFF ELEMENTARY SCHOOL, NEWPORT BEACH.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUAL FOUND FORAGING ON FLOWERS AT NEIGHBORHOOD PARK. SURROUNDING AREA IS PRIMARILY RESIDENTIAL & COMMERCIAL DEVELOPMENT.

Threats:

General:

1 ADULT FOUND & PHOTOGRAPHED ON 9 SEP 2023.

PLSS: T06S, R10W, Sec. 24, NE (S)
UTM: Zone-11 N3722494 E419164

Accuracy: 1/10 mile
Latitude/Longitude: 33.63921 / -117.87166

Area (acres): 18
Elevation (feet): 197

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

INA23U1152 INATURALIST - OBSERVATION 182604025 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-17. 2023-09-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0446
Key Quad: Tustin (3311767)
Occurrence Number: 486

EO Index: 130671
Element Code: IIHYM24260
Occurrence Last Updated: 2024-05-17

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2016-08-27
Last Survey Date: 2016-08-27
Owner/Manager: PVT
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

JUST NE OF OLD COURSE DR AT TROON DR, 0.47 MI E OF CORONA DEL MAR HIGH SCHOOL, 0.6 MI W OF ARROYO PARK, NEWPORT BEACH.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES

Ecological:

INDIVIDUAL FOUND ON A FLOWER AT NEIGHBORHOOD PARK. SURROUNDING AREA IS PRIMARILY RESIDENTIAL DEVELOPMENT.

Threats:

General:

1 ADULT FOUND & PHOTOGRAPHED ON 27 AUG 2016.

PLSS: T06S, R10W, Sec. 24, SE (S)
Accuracy: 1/10 mile
Area (acres): 18

UTM: Zone-11 N3721782 E419402
Latitude/Longitude: 33.6328 / -117.86903
Elevation (feet): 221

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

INA16U0231	INATURALIST - OBSERVATION 3973966 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-17. 2016-08-27
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0447
Key Quad: Tustin (3311767)
Occurrence Number: 487

EO Index: 130672
Element Code: IIHYM24260
Occurrence Last Updated: 2024-05-17

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 1964-10-14
Last Survey Date: 1964-10-14
Owner/Manager: UNKNOWN
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

JAMBOREE RD AT EASTBLUFF DR, 0.2 MI W OF BONITA CREEK PARK, 1.1 MI NE OF CORONA DEL MAR HIGH SCHOOL, NEWPORT BEACH.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED NON-SPECIFICALLY TO THE PROVIDED INTERSECTION OF "JAMBOREE ROAD & EASTBLUFF DRIVE, SANTA ANA".

Ecological:

Threats:

AREA HAS UNDERGONE DEVELOPMENT SINCE TIME OF COLLECTION.

General:

1 ADULT MALE & 2 ADULT FEMALES COLLECTED BY R. HOBSON ON 14 OCT 1964 (EMEC #550110, #550888, & #550889).

PLSS: T06S, R09W, Sec. 18, SW (S)
Accuracy: 1/5 mile
Area (acres): 70

UTM: Zone-11 N3723371 E419623
Latitude/Longitude: 33.64715 / -117.86679
Elevation (feet): 44

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

HOB64S0001	HOBSON, R. - EMEC #550110, #550888, & #550889 COLLECTED NEAR JAMBOREE ROAD & EASTBLUFF DRIVE, SANTA ANA, ORANGE COUNTY 1964-10-14
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0448
Key Quad: Tustin (3311767)
Occurrence Number: 488
EO Index: 130673
Element Code: IIHYM24260
Occurrence Last Updated: 2024-05-17

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2021-09-12
Last Survey Date: 2021-09-12
Owner/Manager: UC-IRVINE
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

0.1 MI SE OF E PELTASON DR AT ANTEATER DR, 0.84 MI WSW OF GROSMONT PARK, 0.9 MI NNW OF LAS LOMAS COMMUNITY PARK, IRVINE.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUALS FOUND FORAGING ON FLOWERS AT STUDENT COMMUNITY GARDEN FOR UC IRVINE. SURROUNDING AREA IS PRIMARILY DEVELOPED.

Threats:

General:

1 ADULT FOUND & PHOTOGRAPHED ON 31 JUL 2020. 1 ADULT FOUND & PHOTOGRAPHED ON 12 SEP 2021.

PLSS: T06S, R09W, Sec. 20, NE (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3722768 E422576
Latitude/Longitude: 33.64194 / -117.8349
Elevation (feet): 162

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

INA20U0742	INATURALIST - OBSERVATION 54979770 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-17. 2020-07-31
INA21U0645	INATURALIST & S. LITTLETON - OBSERVATION 94662693 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-17. 2021-09-12
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0454
Key Quad: Tustin (3311767)
Occurrence Number: 489
EO Index: 130679
Element Code: IIHYM24260
Occurrence Last Updated: 2024-05-20

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2019-08-04
Last Survey Date: 2019-08-04
Owner/Manager: PVT
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

JUST W OF SUMMIT AT STARCREST, 0.35 MI NW OF RALPH C BREN MEMORIAL PARK, 0.7 MI E OF MOUNTAIN VIEW PARK, IRVINE.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUAL WITH NOTICEABLE POLLEN BASKETS FOUND FORAGING ON FLOWERS AT PRIVATE RESIDENCE. SURROUNDING AREA IS RESIDENTIALLY DEVELOPED WITH MANY PARKS AND OPEN SPACES NEARBY.

Threats:

General:

1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 4 AUG 2019.

PLSS: T06S, R09W, Sec. 22, NW (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3722339 E424879
Latitude/Longitude: 33.63823 / -117.81003
Elevation (feet): 517

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

INA19U0646	INATURALIST - OBSERVATION 30208996 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-20. 2019-08-04
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0455
Key Quad: Tustin (3311767)
Occurrence Number: 490
EO Index: 130680
Element Code: IIHYM24260
Occurrence Last Updated: 2024-05-20

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2023-07-27
Last Survey Date: 2023-07-27
Owner/Manager: PVT
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

JUST E OF STILLWATER AT SYCAMORE CRK, 0.28 MI S OF FRENCH HILL PEAK, 0.64 MI NE OF CULVER PARK, IRVINE.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUALS WITH NOTICEABLE POLLEN BASKETS FOUND FORAGING ON FLOWERS AT PRIVATE RESIDENCE. SURROUNDING AREA IS RESIDENTIALLY DEVELOPED WITH VARIOUS PARKS AND OPEN SPACES NEARBY.

Threats:

General:

1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 16 AUG 2019. 1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 27 JUL 2023.

PLSS: T06S, R09W, Sec. 15, SW (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3723162 E424827
Latitude/Longitude: 33.64565 / -117.81066
Elevation (feet): 226

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

INA19U0647	INATURALIST - OBSERVATION 30933507 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-20. 2019-08-16
INA23U1154	INATURALIST - OBSERVATION 175231765 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-20. 2023-07-27
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0458
Key Quad: Tustin (3311767)
Occurrence Number: 491

EO Index: 130683
Element Code: IIHYM24260
Occurrence Last Updated: 2024-05-21

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2022-05-29
Last Survey Date: 2022-05-29
Owner/Manager: PVT
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

JUST E OF SPINNAKER AT PORTSIDE, 0.1 MI W OF SOUTH LAKE, 0.2 MI S OF SMOKESTONE PARK, IRVINE.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUAL FOUND FORAGING ON FLOWERS AT PRIVATE RESIDENCE. SURROUNDING AREA IS PRIMARILY RESIDENTIAL AND COMMERCIAL DEVELOPMENT WITH SOUTH LAKE JUST E.

Threats:

General:

1 ADULT FOUND & PHOTOGRAPHED ON 29 MAY 2022.

PLSS: T06S, R09W, Sec. 10, NE (S)
UTM: Zone-11 N3726069 E425268

Accuracy: 1/10 mile
Latitude/Longitude: 33.67189 / -117.80615

Area (acres): 18
Elevation (feet): 85

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

INA22U0830	INATURALIST - OBSERVATION 121300721 & 121324504 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2022-05-29
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0460	**EO Index:**	130685
Key Quad:	Laguna Beach (3311757)	**Element Code:**	IIHYM24260
Occurrence Number:	492	**Occurrence Last Updated:**	2024-05-29

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2023-11-14	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2023-11-14	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ROGER'S GARDENS, JUST NW OF SAN JOAQUIN HILLS RD AT SAN MIGUEL DR, 0.9 MI NE OF IRVINE TERRACE PARK, NEWPORT BEACH.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES. COLLECTION MADE AT "SAN JOAQUIN HILLS ROAD, CORONA DEL MAR" ALSO ATTRIBUTED TO THIS LOCATION.

Ecological:

2022-2023 INDIVIDUALS FOUND FORAGING ON FLOWERS (MOST FORAGING ON SALVIA SP.) AND ALL WERE PHOTOGRAPHED. SURROUNDING AREA IS COMMERCIALLY & RESIDENTIALLY DEVELOPED.

Threats:

General:

1 ADULT FEMALE COLLECTED ON 26 SEP 1964. 1 ADULT FOUND ON 31 JUL 2022. 1 ADULT FEMALE FOUND ON 9 AUG 2023. 1 ADULT FOUND ON 10 SEP 2023. SEVERAL ADULTS FOUND ON 16 SEP 2023. 1 ADULT FOUND ON 31 OCT 2023. 1 ADULT FOUND ON 14 NOV 2023.

PLSS:	T06S, R09W, Sec. 31, NW (S)	**Accuracy:**	non-specific area	**Area (acres):**	26
UTM:	Zone-11 N3719565 E419614	**Latitude/Longitude:**	33.61283 / -117.86655	**Elevation (feet):**	262

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

ANO64S0017	ANONYMOUS - EMEC #550887 COLLECTED NEAR SAN JOAQUIN HILLS ROAD, CORONA DEL MAR, ORANGE COUNTY 1964-09-26
INA22U0831	INATURALIST - OBSERVATION 129002044 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2022-07-31
INA23U1164	INATURALIST & R. VANDERHOFF - OBSERVATION 177581772 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2023-08-09
INA23U1165	INATURALIST & A. NOYES - OBSERVATION 182847588 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2023-09-10
INA23U1166	INATURALIST - OBSERVATION 183750512 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2023-09-16
INA23U1167	INATURALIST & S. GOTTLIEB - OBSERVATION 189595955 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2023-10-31
INA23U1168	INATURALIST & S. GOTTLIEB - OBSERVATION 191155984 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2023-11-14
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0461	**EO Index:**	130686
Key Quad:	Laguna Beach (3311757)	**Element Code:**	IIHYM24260
Occurrence Number:	493	**Occurrence Last Updated:**	2024-06-27

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2023-09-16	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2023-09-16	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SHERMAN LIBRARY & GARDENS, 0.15 MI S OF CA-1 AT MACARTHUR BLVD, 0.26 MI NE OF BEGONIA PARK, CORONA DEL MAR.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES. COLLECTIONS MADE AT GENERAL "CORONA DEL MAR" ALSO ATTRIBUTED TO THIS LOCATION.

Ecological:

2012-2023 INDIVIDUALS PHOTOGRAPHED FORAGING ON FLOWERS AT BOTANICAL GARDEN. SURROUNDING AREA IS RESIDENTIALLY & COMMERCIALLY DEVELOPED.

Threats:

DEVELOPMENT SINCE TIME OF EARLIER COLLECTIONS. CLOSE PROXIMITY TO CA-1; POSSIBLE VEHICLE COLLISIONS.

General:

4 COLLECTED IN 1935. 1 COLLECTED IN 1959. 1 COLLECTED IN 1960. 2 COLLECTED IN 1965. 1 ADULT FOUND IN AUG 2012. 1 ADULT FEMALE FOUND IN JUL 2020. 1 ADULT FOUND IN AUG 2020. 1 ADULT FEMALE FOUND IN AUG 2022. 1 ADULT FOUND IN SEP 2023.

PLSS:	T06S, R10W, Sec. 36, SE (S)	**Accuracy:**	non-specific area	**Area (acres):**	22
UTM:	Zone-11 N3718373 E418951	**Latitude/Longitude:**	33.60203 / -117.87358	**Elevation (feet):**	107

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

ANO35S0021	ANONYMOUS - LACMENT #1725, #1726, #1727, & #1728 COLLECTED AT CORONA DEL MAR 1935-08-01
ANO59S0032	ANONYMOUS - LACMENT #1779 COLLECTED AT CORONA DEL MAR, ORANGE COUNTY 1959-08-13
BRI65S0001	BRIGGEN, M. - EMEC #550882 COLLECTED AT CORONA DEL MAR, ORANGE COUNTY 1965-10-10
DEN60S0002	DENTON, K. - EMEC #550891 COLLECTED AT CORONA DEL MAR, ORANGE COUNTY 1960-10-10
INA12U0051	INATURALIST & D. HETZEL - OBSERVATION 170191869 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-22. 2012-08-26
INA20U0745	INATURALIST - OBSERVATION 54752418 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-22. 2020-07-28
INA20U0746	INATURALIST - OBSERVATION 57420099 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-22. 2020-08-15
INA22U0835	INATURALIST - OBSERVATION 131953219 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-22. 2022-08-03
INA23U1170	INATURALIST - OBSERVATION 183750084 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-22. 2023-09-16
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX
VAN65S0001	VANDERBURG, T. - EMEC #550883 COLLECTED AT CORONA DEL MAR, ORANGE COUNTY 1965-10-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0462	**EO Index:**	130687
Key Quad:	Laguna Beach (3311757)	**Element Code:**	IIHYM24260
Occurrence Number:	494	**Occurrence Last Updated:**	2024-05-22

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2023-07-25	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2023-07-25	**Occurrence Rank:**	Unknown
Owner/Manager:	DPR-CRYSTAL COVE SP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

CRYSTAL COVE STATE PARK NEAR PELICAN POINT, 0.2 MI SW OF CA-1 AT NEWPORT COAST DR, 0.9 MI E OF ARCH ROCK, NEWPORT BEACH.

Detailed Location:

MAPPED AS A TWO-PART POLYGON TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUALS FOUND FORAGING ON FLOWERS & FLYING. CRYSTAL COVE STATE PARK IS COMPRISED OF 3.2 MILES OF BEACH & 2,400 ACRES OF COASTAL SAGE SCRUB AND SOUTHERN RIPARIAN WOODLAND HABITATS.

Threats:

CLOSE PROXIMITY TO CA-1; POSSIBLE VEHICLE COLLISIONS.

General:

2 ADULTS FOUND & PHOTOGRAPHED ON 29 JUN 2020. 1 ADULT FOUND & PHOTOGRAPHED ON 11 AUG 2020. 1 ADULT FOUND & PHOTOGRAPHED ON 22 JUL 2023. 1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 25 JUL 2023.

PLSS:	T07S, R09W, Sec. 7, E (S)	**Accuracy:**	non-specific area	**Area (acres):**	66
UTM:	Zone-11 N3716187 E420876	**Latitude/Longitude:**	33.58246 / -117.85265	**Elevation (feet):**	95

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

INA20U0749	INATURALIST & J. BAILEY - OBSERVATION 63658444 & 63658448 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-22. 2020-06-29
INA20U0750	INATURALIST & J. PARHAM - OBSERVATION 56140129 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-22. 2020-08-11
INA23U1173	INATURALIST - OBSERVATION 174358512 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-22. 2023-07-22
INA23U1175	INATURALIST & A. CARPIO - OBSERVATION 187183662 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-22. 2023-07-25
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0463	**EO Index:**	130688
Key Quad:	Laguna Beach (3311757)	**Element Code:**	IIHYM24260
Occurrence Number:	495	**Occurrence Last Updated:**	2024-05-22

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2011-04-11	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2011-04-11	**Occurrence Rank:**	Unknown
Owner/Manager:	DPR-CRYSTAL COVE SP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

CRYSTAL COVE STATE PARK, 0.15 MI SSE OF CA-1 AT CRYSTAL COVE, 0.88 MI NW OF REEF POINT, NEWPORT BEACH.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES. OBSERVATION FROM GENERAL "CRYSTAL COVE STATE PARK" ALSO ATTRIBUTED TO THIS LOCATION.

Ecological:

INDIVIDUALS FOUND FORAGING ON FLOWERS. CRYSTAL COVE STATE PARK IS COMPRISED OF 3.2 MILES OF BEACH & 2,400 ACRES OF COASTAL SAGE SCRUB AND SOUTHERN RIPARIAN WOODLAND HABITATS.

Threats:

CLOSE PROXIMITY TO CA-1; POSSIBLE VEHICLE COLLISIONS.

General:

1 ADULT FOUND & PHOTOGRAPHED ON 12 AUG 2008. 1 ADULT FOUND & PHOTOGRAPHED ON 11 APR 2011.

PLSS:	T07S, R09W, Sec. 8, S (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3715522 E421888	**Latitude/Longitude:**	33.57654 / -117.84168	**Elevation (feet):**	86

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

HEM08U0001	HEMBERGER, R. - BUGGUIDE #213180 FOUND AT CRYSTAL COVE STATE PARK, ORANGE COUNTY 2008-08-12
INA11U0031	INATURALIST & C. MALLORY - OBSERVATION 5632521 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-22. 2011-04-11
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0464	**EO Index:**	130689
Key Quad:	Laguna Beach (3311757)	**Element Code:**	IIHYM24260
Occurrence Number:	496	**Occurrence Last Updated:**	2024-05-23

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2020-06-29	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-06-29	**Occurrence Rank:**	Unknown
Owner/Manager:	DPR-CRYSTAL COVE SP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

CRYSTAL COVE STATE PARK, JUST SW OF CA-1 AT CRYSTAL HEIGHTS DR, 0.4 MI NW OF REEF POINT, NEWPORT COAST.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUAL FOUND FORAGING ON FLOWERS. COASTAL SCRUB HABITAT WITH COASTLINE JUST S & CA-1 JUST N. AREA N OF CA-1 IS RESIDENTIALLY DEVELOPED.

Threats:

CLOSE PROXIMITY TO CA-1; POSSIBLE VEHICLE COLLISIONS.

General:

1 ADULT FOUND & PHOTOGRAPHED ON 29 JUN 2020.

PLSS:	T07S, R09W, Sec. 17, NW (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3714878 E422318	**Latitude/Longitude:**	33.57075 / -117.83699	**Elevation (feet):**	34

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

INA20U0751	INATURALIST & J. BAILEY - OBSERVATION 63679124 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-23. 2020-06-29
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0465	**EO Index:**	130690
Key Quad:	Laguna Beach (3311757)	**Element Code:**	IIHYM24260
Occurrence Number:	497	**Occurrence Last Updated:**	2024-06-27

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2020-08-30	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2020-08-30	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

MONTEREY DR AT ASTER ST, 0.35 MI W OF LAGUNA BEACH CITY HALL, 0.83 MI E OF CRESCENT BAY, LAGUNA BEACH.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES. COLLECTIONS/OBSERVATIONS MADE AT GENERAL "LAGUNA BEACH" ALSO ATTRIBUTED TO THIS LOCATION.

Ecological:

2020 INDIVIDUAL HAD LARGE POLLEN BASKETS AND WAS SEEN FORAGING ON FLOWERS AT PRIVATE RESIDENCE. BOMBUS CROTCHII ALSO FOUND NEAR THIS LOCATION.

Threats:

DEVELOPMENT SINCE THE TIME OF EARLIER COLLECTIONS.

General:

1 COLLECTED IN 1906. 3 COLLECTED IN 1916. 3 COLLECTED IN 1917. 1 COLLECTED IN 1933. 5 COLLECTED IN 1936. 1 COLLECTED IN 1946. 3 COLLECTED IN 1965. 1 COLLECTED IN 1968. 1 ADULT FEMALE FOUND ON 16 MAY 2016. 1 ADULT FEMALE FOUND ON 30 AUG 2020

PLSS:	T07S, R09W, Sec. 23, SE (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3712127 E426927	**Latitude/Longitude:**	33.54628 / -117.78712	**Elevation (feet):**	108

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

ANO06S0015	ANONYMOUS - BOMBUS #1210 COLLECTED AT LAGUNA BEACH 1906-09-01
ANO16S0025	ANONYMOUS - BOMBUS #1053 & #1124 COLLECTED AT LAGUNA BEACH 1916-07-03
ANO16S0026	ANONYMOUS - BOMBUS #1120 COLLECTED AT LAGUNA BEACH 1916-07-05
ANO36S0023	ANONYMOUS - LACMENT #1729, #1730, & #1731 COLLECTED AT LAGUNA BEACH, ORANGE COUNTY 1936-08-28
ANO46S0010	ANONYMOUS - BOMBUS #1258 COLLECTED AT LAGUNA BEACH 1946-07-03
ANO68S0037	ANONYMOUS - BMEC ENT #2522 COLLECTED AT LAGUNA BEACH, ORANGE COUNTY 1968-09-04
BUM16U0003	BUMBLE BEE WATCH & M. GHERE - OBSERVATION 10266 FROM HTTP://WWW.BUMBLEBEEWATCH.ORG. ACCESSED 2024-05-23. 2016-05-16
INA20U0753	INATURALIST - OBSERVATION 58028807 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-23. 2020-08-30
MCK33S0012	MCKENZIE, H. - BMEC ENT #2446 COLLECTED AT LAGUNA BEACH, ORANGE COUNTY 1933-08-27
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX
ROL65S0001	ROLAND, R. - EMEC #550095, #550096, & #550097 COLLECTED AT LAGUNA BEACH, ORANGE COUNTY 1965-10-23
TIM36S0003	TIMBERLAKE, P. - UCRCENT #295549 & #295550 COLLECTED AT LAGUNA BEACH, ORANGE COUNTY 1936-08-07
WHE17S0001	WHEELER, I. - MSUC ARC #301930 COLLECTED AT LAGUNA BEACH, ORANGE COUNTY 1917-08-17
WHE17S0002	WHEELER, W. - AMNH BEE #89710 & #89880 COLLECTED AT LAGUNA BEACH, ORANGE COUNTY 1917-08-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0474	**EO Index:**	130699
Key Quad:	Laguna Beach (3311757)	**Element Code:**	IIHYM24260
Occurrence Number:	498	**Occurrence Last Updated:**	2024-05-28

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2022-06-17	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2022-06-17	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

JUST W OF TYROL DR AT MOUNTAIN VIEW DR, 0.51 MI NW OF TOP OF THE WORLD SCHOOL, LAGUNA BEACH.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUAL(S) HAD LARGE POLLEN BASKETS AND WAS FOUND FORAGING ON ESCHSCHOLZIA CALIFORNICA AT PRIVATE RESIDENCE. RESIDENTIAL AREA WITH THOUSANDS OF ACRES OF VARIOUS LARGE WILDERNESS PARKS SURROUNDING.

Threats:

General:

1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 13 JUN 2022. 1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 15 JUN 2022. 1-2 ADULT FEMALES FOUND & PHOTOGRAPHED ON 17 JUN 2022. OBSERVER NOTES THAT THESE MAY BE MULTIPLE SIGHTINGS OF SAME INDIVIDUAL.

PLSS:	T07S, R08W, Sec. 19, NW (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3712834 E429776	**Latitude/Longitude:**	33.55284 / -117.75648	**Elevation (feet):**	995

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

INA22U0844	INATURALIST & J. ODANAKA - OBSERVATION 122745327 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-28. 2022-06-13
INA22U0845	INATURALIST & J. ODANAKA - OBSERVATION 122890474 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-28. 2022-06-15
INA22U0846	INATURALIST & J. ODANAKA - OBSERVATION 122929767 & 123056121 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-28. 2022-06-17
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0479	**EO Index:**	130705
Key Quad:	Laguna Beach (3311757)	**Element Code:**	IIHYM24260
Occurrence Number:	499	**Occurrence Last Updated:**	2024-05-28

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2021-08-20	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2021-08-20	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

VICINITY OF BLUEBIRD CANYON DR ABOUT 0.6 MI NE OF BLUEBIRD PARK, LAGUNA BEACH.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUALS FOUND FORAGING ON FLOWERS AT PRIVATE RESIDENCES. RESIDENTIAL AREA WITH OPEN RIPARIAN, CHAPARRAL, & WOODLAND HABITATS SURROUNDING.

Threats:

General:

1 ADULT FOUND & PHOTOGRAPHED ON 18 JUL 2020. 1 ADULT FOUND & PHOTOGRAPHED ON 20 AUG 2021.

PLSS:	T07S, R08W, Sec. 30, NW (S)	**Accuracy:**	non-specific area	**Area (acres):**	33
UTM:	Zone-11 N3711378 E429263	**Latitude/Longitude:**	33.53968 / -117.76189	**Elevation (feet):**	498

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

INA20U0756	INATURALIST & L. SHOLIK - OBSERVATION 59512232 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-28. 2020-07-18
INA21U0653	INATURALIST & L. SHOLIK - OBSERVATION 91902975 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-28. 2021-08-20
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0480
EO Index: 130707
Key Quad: San Juan Capistrano (3311756)
Element Code: IIHYM24260
Occurrence Number: 500
Occurrence Last Updated: 2024-05-28

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2020-04-30
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-04-30
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

CASTA DEL SOL LAWN BOWLING CLUB, 0.12 MI NW OF VIA ALBENIZ AT VIA GRANADOS, 0.62 MI SE OF CASTILLE SCHOOL, MISSION VIEJO

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUAL WITH NOTICEABLE POLLEN BASKETS FOUND FORAGING ON FLOWERS. SURROUNDING AREA IS PRIMARILY RESIDENTIAL DEVELOPMENT.

Threats:

General:

1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 30 APR 2020.

PLSS: T06S, R07W, Sec. 31, NE (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3719092 E439814
Latitude/Longitude: 33.6099 / -117.64878
Elevation (feet): 553

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

INA20U0757 INATURALIST - OBSERVATION 46303264 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-28. 2020-04-30

RIC22D0001 RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0481
Key Quad: San Juan Capistrano (3311756)
Occurrence Number: 501

EO Index: 130708
Element Code: IIHYM24260
Occurrence Last Updated: 2024-05-28

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 1983-07-21
Last Survey Date: 1983-07-21
Owner/Manager: UNKNOWN
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

LAGUNA HILLS, 3 MI SW OF EL TORO, 4 MI NW OF GALIVAN.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED NON-SPECIFICALLY TO THE CITY OF LAGUNA HILLS.

Ecological:

Threats:

General:

7 ADULTS COLLECTED BY D. BERSHBAUER ON 21 JUL 1983 (EMEC #550892, #550893, #550894, #550895, #550896, #550897, & #550898).

PLSS: T06S, R08W, Sec. 33 (S)
UTM: Zone-11 N3719489 E433901

Accuracy: 1 mile
Latitude/Longitude: 33.61312 / -117.71254

Area (acres): 1,987
Elevation (feet): 365

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756), El Toro (3311766)

Sources:

BER83S0002 BERSHBAUER, D. - EMEC #550892, #550893, #550894, #550895, #550896, #550897, & #550898 COLLECTED AT LAGUNA HILLS, ORANGE COUNTY 1983-07-21

RIC22D0001 RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0501
Key Quad: San Juan Capistrano (3311756)
Occurrence Number: 502
EO Index: 130725
Element Code: IIHYM24260
Occurrence Last Updated: 2024-05-30

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2017-06-16
Last Survey Date: 2017-06-16
Owner/Manager: PVT
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

MISSION VIEJO, 2 MI N OF GALIVAN, 2.5 MI SE OF LAGUNA HILLS.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED NON-SPECIFICALLY TO THE CITY OF MISSION VIEJO.

Ecological:

Threats:

General:

2 ADULTS FOUND & PHOTOGRAPHED ON 14 NOV 2013. 1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 16 JUN 2017.

PLSS: T07S, R08W, Sec. 1 (S)
Accuracy: 1 mile
Area (acres): 1,987
UTM: Zone-11 N3717624 E437645
Latitude/Longitude: 33.59653 / -117.67205
Elevation (feet): 401

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

BUM17U0013	BUMBLE BEE WATCH & G. BANNICK-SCHWEIGLER - OBSERVATION 18193 FROM HTTP://WWW.BUMBLEBEEWATCH.ORG. ACCESSED 2024-05-30. 2017-06-16
HEM13S0001	HEMBERGER, R. - BUGGUIDE #866047, #866050, & #866051 FOUND AT MISSION VIEJO, ORANGE COUNTY 2013-11-14
HEM13S0002	HEMBERGER, R. - BUGGUIDE #866048 & #866049 FOUND NEAR MISSION VIEJO, ORANGE COUNTY 2013-11-14
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0508
EO Index: 130726
Key Quad: San Juan Capistrano (3311756)
Element Code: IIHYM24260
Occurrence Number: 503
Occurrence Last Updated: 2024-06-07

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2020-04-14
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-04-14
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

0.2 MILES EAST OF JASMINE AVENUE AT POPPY PLACE, ALONG ARROYO TRABUCO, MISSION VIEJO.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUAL FOUND FORAGING ON FLOWERS. OPEN RIPARIAN AND CHAPARRAL HABITAT SURROUNDED BY RESIDENTIAL DEVELOPMENT.

Threats:

General:

1 ADULT FOUND & PHOTOGRAPHED ON 14 APR 2020.

PLSS: T07S, R07W, Sec. 7, SE (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3714818 E439984
Latitude/Longitude: 33.57136 / -117.64665
Elevation (feet): 365

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

INA20U0758	INATURALIST - OBSERVATION 42216899 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-30. 2020-04-14
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0509
EO Index: 130733
Key Quad: San Juan Capistrano (3311756)
Element Code: IIHYM24260
Occurrence Number: 504
Occurrence Last Updated: 2024-06-03

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2023-08-13
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2023-08-13
Occurrence Rank: Unknown
Owner/Manager: SANTA MARGARITA WATER DISTRICT
Trend: Unknown
Presence: Presumed Extant

Location:

0.3 MILES NE OF THE INTERSECTION OF SADDLERIDGE DRIVE AND SILVER CREEK DRIVE, SAN JUAN CAPISTRANO.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUALS FOUND FORAGING ON A FLOWER. OPEN CHAPARRAL HABITAT SURROUNDED BY RESIDENTIAL DEVELOPMENT.

Threats:

General:

2 ADULTS FOUND & PHOTOGRAPHED ON 13 AUG 2023.

PLSS: T07S, R07W, Sec. 30, SE (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3710462 E439833
Latitude/Longitude: 33.53206 / -117.64799
Elevation (feet): 305

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

INA23U1204 INATURALIST & P. HO - OBSERVATION 178326708 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2023-08-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0512	**EO Index:**	130734
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	IIHYM24260
Occurrence Number:	505	**Occurrence Last Updated:**	2024-06-03

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2023-08-10	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2023-08-10	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT, UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

VICINITY OF PACIFIC PARK DRIVE AT ENTERPRISE, 0.6 MILES EAST OF CANYON VIEW PARK, ALISO VIEJO.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUALS FOUND FORAGING ON FLOWERS. SURROUNDING AREA IS PRIMARILY RESIDENTIAL AND COMMERCIAL DEVELOPMENT WITH VARIOUS PARKS AND PRESERVES NEARBY.

Threats:

CLOSE PROXIMITY TO CA-73; POSSIBLE VEHICLE COLLISIONS.

General:

1 ADULT FOUND & PHOTOGRAPHED ON 27 MAR 2019. 1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 27 JUN 2023. 1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 21 JUL 2023. 2 ADULT FEMALES FOUND & PHOTOGRAPHED ON 10 AUG 2023.

PLSS:	T07S, R08W, Sec. 5, SE (S)	**Accuracy:**	non-specific area	**Area (acres):**	30
UTM:	Zone-11 N3716422 E431909	**Latitude/Longitude:**	33.58534 / -117.73378	**Elevation (feet):**	604

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

BUM19U0006	BUMBLE BEE WATCH & N. BESUZZI - OBSERVATION 39465 FROM HTTP://WWW.BUMBLEBEEWATCH.ORG. ACCESSED 2024-06-03. 2019-03-27
INA23U1205	INATURALIST - OBSERVATION 170004901 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2023-06-27
INA23U1206	INATURALIST - OBSERVATION 174207303 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2023-07-21
INA23U1207	INATURALIST - OBSERVATION 177705092 & 177706363 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2023-08-10
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0514	**EO Index:**	130737
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	IIHYM24260
Occurrence Number:	506	**Occurrence Last Updated:**	2024-06-03

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2022-06-01	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2022-06-01	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

IN ALISO & WOOD CANYONS WILDERNESS PARK, JUST E OF FOXBOROUGH PARK, 0.35 MI N OF AVILA RD AT ALICIA PKWY, LAGUNA NIGUEL.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

ALISO & WOOD CANYONS WILDERNESS PARK CONSISTS OF 4,500 ACRES OF NATURAL OPEN SPACE LAND WITH MATURE OAKS, SYCAMORES, & ELDERBERRY. THIS PORTION OF THE PARK IS SURROUNDED BY HEAVY RESIDENTIAL & COMMERCIAL DEVELOPMENT.

Threats:

General:

1 ADULT FOUND & PHOTOGRAPHED ON 29 JUN 2017. 1 ADULT FOUND & PHOTOGRAPHED ON 1 JUN 2022.

PLSS:	T07S, R08W, Sec. 16, NE (S)	**Accuracy:**	non-specific area	**Area (acres):**	32
UTM:	Zone-11 N3714471 E433510	**Latitude/Longitude:**	33.56784 / -117.71639	**Elevation (feet):**	178

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

INA17U0325	INATURALIST - OBSERVATION 7118016 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2017-06-29
INA22U0879	INATURALIST & R. NEACE - OBSERVATION 119814183 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2022-06-01
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0515	**EO Index:**	130739
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	IIHYM24260
Occurrence Number:	507	**Occurrence Last Updated:**	2024-06-03

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2023-08-25	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2023-08-25	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

0.3 MILES NE & NW OF LIBERTY ST AT ORION ST, 0.4 MILES SE OF OAK PARK, ALISO VIEJO.

Detailed Location:

MAPPED AS A TWO-PART POLYGON TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUALS FOUND FORAGING ON FLOWERS AT PRIVATE RESIDENCES. SURROUNDING AREA IS PRIMARILY RESIDENTIAL & COMMERCIAL DEVELOPMENT WITH VARIOUS PARKS AND PRESERVES NEARBY.

Threats:

General:

1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 17 JUN 2022. 1 ADULT FOUND & PHOTOGRAPHED ON 25 AUG 2023.

PLSS:	T07S, R08W, Sec. 16, W (S)	**Accuracy:**	non-specific area	**Area (acres):**	35
UTM:	Zone-11 N3713910 E432770	**Latitude/Longitude:**	33.56274 / -117.72431	**Elevation (feet):**	365

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

INA22U0880	INATURALIST & B. OLAMENDI - OBSERVATION 122209038 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2022-06-17
INA23U1208	INATURALIST & E. LECUYER - OBSERVATION 180300762 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2023-08-25
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0516	**EO Index:**	130740
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	IIHYM24260
Occurrence Number:	508	**Occurrence Last Updated:**	2024-06-07

Scientific Name: *Bombus pensylvanicus*

Common Name: American bumble bee

Listing Status: **Federal:** None

State: None

Rare Plant Rank:

Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2023-08-04	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2023-08-04	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

NEAR ALISO AND WOOD CANYONS WILDERNESS PARK VISITOR CENTER, ALISO VIEJO.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES. OBSERVATION FROM GENERAL "ALISO AND WOOD CANYONS WILDERNESS PARK" ALSO ATTRIBUTED TO THIS LOCATION.

Ecological:

INDIVIDUALS FOUND FORAGING ON FLOWERS. ALISO & WOOD CANYONS WILDERNESS PARK CONSISTS OF 4,500 ACRES OF NATURAL OPEN SPACE LAND WITH MATURE OAKS, SYCAMORES, & ELDERBERRY. THIS PORTION OF THE PARK IS SURROUNDED BY RESIDENTIAL DEVELOPMENT.

Threats:

General:

1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 13 JUL 2019. 1 ADULT FOUND & PHOTOGRAPHED ON 4 AUG 2023.

PLSS:	T07S, R08W, Sec. 21, N (S)	**Accuracy:**	1/5 mile	**Area (acres):**	70
UTM:	Zone-11 N3712695 E433135	**Latitude/Longitude:**	33.5518 / -117.72029	**Elevation (feet):**	150

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

INA19U0658	INATURALIST & A. LAZERE - OBSERVATION 28750257 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. [= BUMBLE BEE WATCH OBSERVATION 45031] 2019-07-13
INA23U1209	INATURALIST - OBSERVATION 177449015 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2023-08-04
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0517	**EO Index:**	130741
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	IIHYM24260
Occurrence Number:	509	**Occurrence Last Updated:**	2024-06-07

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2023-08-22	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2023-08-22	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

LAGUNA NIGUEL REGIONAL PARK, JUST NW OF SULPHUR CREEK RESERVOIR, 0.3 MI SE OF LA PAZ SPORTS PARK, LAGUNA NIGUEL.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUAL FOUND FORAGING ON A FLOWER. LAGUNA NIGUEL REGIONAL PARK IS A 227-ACRE PARK WITH PRIMARILY RESIDENTIAL DEVELOPMENT SURROUNDING. VARIOUS OTHER PARKS AND RESERVES NEARBY.

Threats:

General:

1 ADULT FOUND & PHOTOGRAPHED ON 22 AUG 2023.

PLSS:	T07S, R08W, Sec. 22, NW (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3712465 E434213	**Latitude/Longitude:**	33.5498 / -117.70866	**Elevation (feet):**	259

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

INA23U1210 INATURALIST - OBSERVATION 179765363 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2023-08-22

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0518	**EO Index:**	130742
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	IIHYM24260
Occurrence Number:	510	**Occurrence Last Updated:**	2024-06-07

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2023-09-06	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2023-09-06	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

JUST EAST OF THE INTERSECTION OF SAINT CROIX AND CURACAO STREETS, WEST OF ARROYO TRABUCO, LAGUNA NIGUEL.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUAL FOUND FORAGING ON INVASIVE ARTICHOKE THISTLE (CYNARA CARDUNCULUS). OPEN CHAPARRAL HABITAT WITH RESIDENTIAL DEVELOPMENT TO THE EAST AND WEST.

Threats:

General:

1 ADULT FOUND & PHOTOGRAPHED ON 6 SEP 2023.

PLSS:	T07S, R08W, Sec. 35, SE (S)	**Accuracy:**	1/10 mile	**Area (acres):**	18
UTM:	Zone-11 N3708926 E436973	**Latitude/Longitude:**	33.51805 / -117.67868	**Elevation (feet):**	535

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

INA23U1211	INATURALIST & S. LAWRENCE - OBSERVATION 182089287 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2023-09-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0520	**EO Index:**	130743
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	IIHYM24260
Occurrence Number:	511	**Occurrence Last Updated:**	2024-06-05

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2023-09-23	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2023-09-23	**Occurrence Rank:**	Good
Owner/Manager:	CITY OF LAGUNA NIGUEL	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

NIGUEL BOTANICAL PRESERVE, CROWN VALLEY COMMUNITY PARK, LAGUNA NIGUEL.

Detailed Location:

MAPPED AS A TWO-PART POLYGON TO THE PROVIDED COORDINATES.

Ecological:

NIGUEL BOTANICAL PRESERVE IS AN 18.2-ACRE BOTANICAL GARDEN DISPLAYING VARIOUS NATIVE & NON-NATIVE PLANTS. RESIDENTIAL DEVELOPMENT SURROUNDING. BOMBUS CROTCHII ALSO FOUND AT THIS LOCATION.

Threats:

General:

9 ADULTS IN JUN-AUG 2020. 17 ADULTS IN JUN-SEP 2021. 3 ADULTS IN APR 2022. 2 ADULTS IN MAY 2022. 2 ADULTS IN JUL 2022. 4 ADULTS IN AUG 2022. 1 ADULT IN SEP 2022. 4 ADULTS IN SEP 2023. ALL INDIVIDUALS WERE PHOTOGRAPHED.

PLSS:	T07S, R08W, Sec. 27, SW (S)	**Accuracy:**	non-specific area	**Area (acres):**	70
UTM:	Zone-11 N3710384 E434170	**Latitude/Longitude:**	33.53102 / -117.70897	**Elevation (feet):**	247

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

INA20U0764	INATURALIST - OBSERVATION 50742274 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2020-06-23
INA20U0765	INATURALIST - OBSERVATION 51756621 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2020-07-02
INA20U0766	INATURALIST - OBSERVATION 52496543 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2020-07-08
INA20U0767	INATURALIST & E. KOBERLE - OBSERVATION 54189185 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2020-07-11
INA20U0768	INATURALIST - OBSERVATION 54108685, 54109082, & 54214439 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2020-07-23
INA20U0769	INATURALIST - OBSERVATION 56088862 & 56089762 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2020-08-10
INA21U0665	INATURALIST - OBSERVATION 82361934 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2021-06-09
INA21U0666	INATURALIST - OBSERVATION 88885082, 88901910, & 88902362 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-03. 2021-07-27
INA21U0667	INATURALIST - OBSERVATION 89133806 & 89158811 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. 2021-07-29
INA21U0668	INATURALIST - OBSERVATION 92713216 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. 2021-08-27
INA21U0669	INATURALIST - OBSERVATION 93539055 & 93671853 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. 2021-09-03
INA21U0670	INATURALIST - OBSERVATION 94151937, 94153977, 94155360, & 94155871 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. 2021-09-08
INA21U0671	INATURALIST - OBSERVATION 94379335 & 94379651 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. 2021-09-10
INA21U0672	INATURALIST - OBSERVATION 95054225 & 95158687 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. 2021-09-15
INA22U0884	INATURALIST & K. WATROUS - OBSERVATION 111605368, 111606753, & 111606837 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. [= BUMBLE BEE WATCH OBSERVATIONS 108534, 108540, & 108541] 2022-04-15
INA22U0885	INATURALIST & K. WATROUS - OBSERVATION 119365851 & 119427908 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. 2022-05-26
INA22U0887	INATURALIST & K. WATROUS - OBSERVATION 125124433 & 125124493 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. 2022-07-06
INA22U0889	INATURALIST & K. WATROUS - OBSERVATION 129372198 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. 2022-08-03
INA22U0890	INATURALIST & K. WATROUS - OBSERVATION 131418506, 131420532, & 132019393 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. 2022-08-17
INA22U0891	INATURALIST - OBSERVATION 134547992 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. 2022-09-08
INA23U1221	INATURALIST - OBSERVATION 181642153 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. 2023-09-03
INA23U1222	INATURALIST - OBSERVATION 183919578 & 183920179 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. 2023-09-18
INA23U1223	INATURALIST - OBSERVATION 184596700 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-04. 2023-09-23
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0521	**EO Index:**	130745
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	IIHYM24260
Occurrence Number:	512	**Occurrence Last Updated:**	2024-06-05

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2023-12-27	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2023-12-27	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

MISSION SAN JUAN CAPISTRANO, 0.2 MI W OF I-5 AT CA-74, 0.4 MI SSE OF STONEFIELD PARK, SAN JUAN CAPISTRANO.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES. OBSERVATIONS/COLLECTIONS FROM GENERAL "SAN JUAN CAPISTRANO" ALSO ATTRIBUTED TO THIS LOCATION.

Ecological:

MOST INDIVIDUALS FOUND FORAGING ON FLOWERS. SURROUNDING AREA IS PRIMARILY RESIDENTIAL & COMMERCIAL DEVELOPMENT.

Threats:

CLOSE PROXIMITY TO I-5 & CA-74; POSSIBLE VEHICLE COLLISIONS.

General:

1 ADULT FEMALE COLLECTED BY R. RYCKMAN ON 28 SEP 1951. 1 ADULT PHOTOGRAPHED ON 6 JUL 2016. 1 ADULT FEMALE ON 25 JUL 2019. 1 ADULT FEMALE ON 25 AUG 2019. 1 ADULT ON 20 AUG 2021. 1 ADULT ON 27 DEC 2023.

PLSS:	T08S, R08W, Sec. 1, SE (S)	**Accuracy:**	non-specific area	**Area (acres):**	22
UTM:	Zone-11 N3707161 E438471	**Latitude/Longitude:**	33.50221 / -117.66243	**Elevation (feet):**	123

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

INA16U0238	INATURALIST - OBSERVATION 10452782 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-05. 2016-07-06
INA19U0662	INATURALIST & S. KINGSTON - OBSERVATION 29558723 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-05. 2019-07-25
INA19U0663	INATURALIST & T. HERMAN - OBSERVATION 31510605 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-05. 2019-08-25
INA21U0679	INATURALIST - OBSERVATION 94127717 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-05. 2021-08-20
INA23U1225	INATURALIST - OBSERVATION 195136911 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-06-05. 2023-12-27
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX
RYC51S0001	RYCKMAN, R. - USNMENT #1037092 COLLECTED NEAR SAN JUAN CAPISTRANO, ORANGE COUNTY 1951-09-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0536
Key Quad: Tustin (3311767)
Occurrence Number: 520

EO Index: 130761
Element Code: IIHYM24260
Occurrence Last Updated: 2024-06-12

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2020-07-30
Last Survey Date: 2020-07-30
Owner/Manager: ORA COUNTY
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

UPPER NEWPORT BAY NATURE PRESERVE, 0.1 MI SSW OF BAYVIEW AVE AT MESA DR, 0.7 MI NNE OF EASTBLUFF SCHOOL, NEWPORT BEACH.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES.

Ecological:

INDIVIDUAL WITH NOTICEABLE POLLEN BASKETS FOUND FORAGING ON FLOWERS. AREA TO THE NORTH IS RESIDENTIAL DEVELOPMENT; AREA TO THE SOUTH IS AN ECOLOGICAL RESERVE. PRESERVE IS COMPRISED PRIMARILY OF GRASSLAND & COASTAL SAGE SCRUB HABITAT.

Threats:

General:

1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 30 JUL 2020.

PLSS: T06S, R10W, Sec. 13, SE (S)
UTM: Zone-11 N3723778 E418829

Accuracy: 1/10 mile
Latitude/Longitude: 33.65077 / -117.87539

Area (acres): 18
Elevation (feet): 33

County Summary:	Quad Summary:
Orange	Tustin (3311767), Newport Beach (3311768)

Sources:

INA20U0739	INATURALIST & N. TAXEL - OBSERVATION 54839552 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-14. 2020-07-30
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: C0693
Key Quad: Tustin (3311767)
Occurrence Number: 600

EO Index: 131930
Element Code: IIHYM24260
Occurrence Last Updated: 2024-08-23

Scientific Name: *Bombus pensylvanicus*
Common Name: American bumble bee

Listing Status: **Federal:** None
State: None

Rare Plant Rank:
Other Lists: IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed: 2023-08-04
Last Survey Date: 2023-08-04
Owner/Manager: ORA COUNTY, PVT
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Good
Trend: Unknown

Location:

WILLIAM R MASON REGIONAL PARK, 1 MI S OF I-405 AT HARVARD AVE, 1 MI NW OF TURTLE ROCK ELEMENTARY SCHOOL, IRVINE.

Detailed Location:

MAPPED AS A THREE-PART POLYGON TO THE PROVIDED COORDINATES. 4 INDIVIDUALS FOUND AT WILLIAM R MASON REGIONAL PARK; 3 INDIVIDUALS FOUND AT NEARBY RESIDENCES.

Ecological:

MOST INDIVIDUALS FOUND FORAGING ON FLOWERS. WILLIAM R MASON REGIONAL PARK IS A 339-ACRE PARK, 123 ACRES OF WHICH IS A WILDERNESS/NATURE PRESERVE. SURROUNDING AREA IS PRIMARILY RESIDENTIAL & COMMERCIAL DEVELOPMENT.

Threats:

General:

1 ADULT FOUND ON 21 JUL 2019. 1 ADULT FOUND ON 11 JUL 2020. 1 ADULT FOUND ON 17 JUL 2020. 1 ADULT FOUND ON 23 JUL 2022. 1 ADULT FOUND ON 26 MAY 2023. 1 ADULT FOUND ON 12 JUN 2023. 1 ADULT FOUND ON 24 JUL 2023. 1 ADULT FOUND ON 4 AUG 2023.

PLSS: T06S, R09W, Sec. 16 (S)
Accuracy: non-specific area
Area (acres): 169
UTM: Zone-11 N3724447 E422941
Latitude/Longitude: 33.6571 / -117.8311
Elevation (feet): 41

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

INA19U0648	INATURALIST - OBSERVATION 29287172 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2019-07-21
INA20U0743	INATURALIST - OBSERVATION 52753457 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2020-07-11
INA20U0744	INATURALIST - OBSERVATION 53430963 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2020-07-17
INA22U0829	INATURALIST - OBSERVATION 127593679 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2022-07-23
INA23U1153	INATURALIST - OBSERVATION 176698603 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-20. 2023-08-04
INA23U1161	INATURALIST - OBSERVATION 167087086 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2023-06-12
INA23U1162	INATURALIST - OBSERVATION 163851003 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2023-05-26
INA23U1163	INATURALIST - OBSERVATION 184953693 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2023-07-24
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0695	**EO Index:**	131932
Key Quad:	Tustin (3311767)	**Element Code:**	IIHYM24260
Occurrence Number:	601	**Occurrence Last Updated:**	2024-08-23

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2023-08-22	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2023-08-22	**Occurrence Rank:**	Good
Owner/Manager:	UC-IRVINE	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

UC IRVINE ECOLOGICAL PRESERVE (OPEN SPACE RESERVE), JUST S OF UC IRVINE CAMPUS, 1.3 MI W OF SIERRA AMIGO PARK, IRVINE.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES. COLLECTION MADE AT GENERAL "UC IRVINE ECOLOGICAL RESERVE" ALSO ATTRIBUTED TO THIS LOCATION.

Ecological:

INDIVIDUALS FOUND FORAGING ON VARIOUS FLOWERS. UC IRVINE ECOLOGICAL PRESERVE IS A 62-ACRE AREA CONSISTING OF COASTAL SAGE SCRUB, GRASSLAND, & A SHORT RIPARIAN DRAINAGE. SURROUNDING AREA IS HIGHLY RESIDENTIALLY & COMMERCIALLY DEVELOPED.

Threats:

General:

1 ADULT FEMALE COLLECTED ON 31 OCT 1979. 1 ADULT FOUND & PHOTOGRAPHED ON 3 APR 2020. 1 ADULT FEMALE FOUND & PHOTOGRAPHED ON 4 APR 2021. 2 ADULTS FOUND & PHOTOGRAPHED ON 16 AUG 2023. 1 ADULT FOUND & PHOTOGRAPHED ON 22 AUG 2023.

PLSS:	T06S, R09W, Sec. 20, W (S)	**Accuracy:**	non-specific area	**Area (acres):**	70
UTM:	Zone-11 N3722228 E421551	**Latitude/Longitude:**	33.63699 / -117.84591	**Elevation (feet):**	241

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

INA20U0825	INATURALIST - OBSERVATION 41325803 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-19. 2020-04-03
INA21U0711	INATURALIST & T. DRAKE - OBSERVATION 72964651 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-19. 2021-04-04
INA23U1340	INATURALIST - OBSERVATION 178748461 & 178748716 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-19. 2023-08-16
INA23U1341	INATURALIST - OBSERVATION 180025308 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-19. 2023-08-22
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX
THU79S0001	THURSTON, K. - EMEC #550890 COLLECTED AT U.C. IRVINE ECOLOGICAL RESERVE, IRVINE, ORANGE COUNTY 1979-10-31

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0755	**EO Index:**	131990
Key Quad:	Tustin (3311767)	**Element Code:**	IIHYM24260
Occurrence Number:	621	**Occurrence Last Updated:**	2024-08-27

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2024-05-29	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2024-05-29	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY, PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

WILLIAM R MASON REGIONAL PARK, JUST N OF CONCORDIA UNIVERSITY, 0.4 MI S OF RANCHO SAN JOAQUIN MIDDLE SCHOOL, IRVINE.

Detailed Location:

MAPPED TO THE PROVIDED COORDINATES. INDIVIDUALS FOUND AT OR NEAR WILDERNESS AREA PORTION OF WILLIAM R MASON REGIONAL PARK.

Ecological:

INDIVIDUALS FOUND FORAGING ON VARIOUS FLOWERS. WILLIAM R MASON REGIONAL PARK IS A 339-ACRE PARK, 123 ACRES OF WHICH IS A WILDERNESS/NATURE PRESERVE. SURROUNDING AREA IS PRIMARILY RESIDENTIAL & COMMERCIAL DEVELOPMENT.

Threats:

General:

1 ADULT FOUND ON 26 MAR 2021. 1 ADULT FOUND ON 16 MAY 2023. 1 ADULT FEMALE FOUND ON 19 JUN 2023. 1 ADULT FOUND ON 23 APR 2024. 2 ADULTS FOUND ON 29 MAY 2024. ALL INDIVIDUALS PHOTOGRAPHED.

PLSS:	T06S, R09W, Sec. 15, NW (S)	**Accuracy:**	non-specific area	**Area (acres):**	31
UTM:	Zone-11 N3724460 E425019	**Latitude/Longitude:**	33.65737 / -117.8087	**Elevation (feet):**	103

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

INA21U0647	INATURALIST & T. ZARUBIN - OBSERVATION 72201783 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2021-03-26
INA23U1159	INATURALIST & T. ZARUBIN - OBSERVATION 162008717 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2023-05-16
INA23U1160	INATURALIST - OBSERVATION 168439521 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2023-06-19
INA24U0354	INATURALIST & T. MINH VAN - OBSERVATION 220807468 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-07-30. 2024-05-29
INA24U0480	INATURALIST & T. MINH VAN - OBSERVATION 209004862 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-08-27. 2024-04-23
INA24U0481	INATURALIST & T. MINH VAN - OBSERVATION 220807466 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-08-27. 2024-05-29
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	C0756	**EO Index:**	131991
Key Quad:	Tustin (3311767)	**Element Code:**	IIHYM24260
Occurrence Number:	622	**Occurrence Last Updated:**	2024-07-30

Scientific Name: *Bombus pensylvanicus* **Common Name:** American bumble bee

Listing Status: **Federal:** None **Rare Plant Rank:**

State: None **Other Lists:** IUCN_VU-Vulnerable

CNDDB Element Ranks: **Global:** G3G4

State: S2

General Habitat:

Micro Habitat:

LONG-TONGUED; FORAGES ON A WIDE VARIETY OF FLOWERS INCLUDING VETCHES (VICIA), CLOVERS (TRIFOLIUM), THISTLES (CIRSIUM), SUNFLOWERS (HELIANTHUS), ETC. NESTS ABOVE GROUND UNDER LONG GRASS OR UNDERGROUND. QUEENS OVERWINTER IN ROTTEN WOOD OR UNDERGROUND.

Last Date Observed:	2023-08-31	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2023-08-31	**Occurrence Rank:**	Unknown
Owner/Manager:	CITY OF IRVINE, PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SOUTH QUAIL HILL OPEN SPACE PRESERVE, 0.5 MI S OF I-405 AT UNIVERSITY DR, 1 MI E OF CONCORDIA UNIVERSITY, IRVINE.

Detailed Location:

MAPPED NON-SPECIFICALLY AS A TWO-PART POLYGON TO THE PROVIDED COORDINATES. 3 INDIVIDUALS FOUND AT SOUTH QUAIL HILL OPEN SPACE PRESERVE; ~27 INDIVIDUALS FOUND AT TANAKA FARMS.

Ecological:

MOST INDIVIDUALS FOUND FORAGING ON FLOWERS. AREA IS COMPRISED PRIMARILY OF UNDEVELOPED OPEN SPACE & AGRICULTURAL DEVELOPMENT SURROUNDED BY RESIDENTIAL DEVELOPMENT.

Threats:

General:

~25 INDIVIDUALS FOUND ON 1 OCT 2018. 3 ADULTS FOUND & PHOTOGRAPHED ON 3 JUL 2023. 2 ADULTS FOUND & PHOTOGRAPHED ON 31 AUG 2023.

PLSS:	T06S, R09W, Sec. 14, N (S)	**Accuracy:**	non-specific area	**Area (acres):**	349
UTM:	Zone-11 N3724323 E426683	**Latitude/Longitude:**	33.65625 / -117.79074	**Elevation (feet):**	204

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

INA18U0395	INATURALIST & B. AMBRIZ - OBSERVATION 17126171 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2018-10-01
INA23U1155	INATURALIST & A. MODY - OBSERVATION 170906275 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-20. 2023-07-03
INA23U1156	INATURALIST - OBSERVATION 171103413 & 171103484 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-20. 2023-07-03
INA23U1157	INATURALIST - OBSERVATION 181106219 & 181198182 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2023-08-31
INA23U1158	INATURALIST - OBSERVATION 181590404 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2024-05-21. 2023-08-31
RIC22D0001	RICHARDSON, L. (XERCES SOCIETY) - CALIFORNIA EXTRACT OF BUMBLE BEES OF NORTH AMERICA DATABASE. HTTPS://WWW.LEIFRICHARDSON.ORG/BBNA.HTML. ACCESSED 7 DEC 2022. 2022-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 66320
EO Index: 99051
Key Quad: Tustin (3311767)
Element Code: IIHYM24480
Occurrence Number: 193
Occurrence Last Updated: 2015-10-05

Scientific Name: *Bombus crotchii*
Common Name: Crotch's bumble bee

Listing Status: **Federal:** None
Rare Plant Rank:
State: Candidate Endangered
Other Lists: IUCN_EN-Endangered

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
COASTAL CALIFORNIA EAST TO THE SIERRA-CASCADE CREST AND SOUTH INTO MEXICO.

Micro Habitat:
FOOD PLANT GENERA INCLUDE ANTIRRHINUM, PHACELIA, CLARKIA, DENDROMECON, ESCHSCHOLZIA, AND ERIOGONUM.

Last Date Observed: 1942-03-28
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1942-03-28
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
SANTA ANA.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDB IN THE VICINITY OF THE CITY OF SANTA ANA.

Ecological:

Threats:

General:
COLLECTIONS WERE MADE IN THIS VICINITY ON 28 MAR 1942.

PLSS: T05S, R09W, Sec. 18 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3734300 E419616
Latitude/Longitude: 33.74572 / -117.86785
Elevation (feet): 100

County Summary:
Orange

Quad Summary:
Tustin (3311767), Newport Beach (3311768), Orange (3311777), Anaheim (3311778)

Sources:
HUR42S0001 HURD, P. - EMEC #554263, 554264 & 554265 COLLECTED FROM SANTA ANA 1942-03-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 22038
EO Index: 99062
Key Quad: Laguna Beach (3311757)
Element Code: IIHYM24480
Occurrence Number: 196
Occurrence Last Updated: 2015-10-05

Scientific Name: *Bombus crotchii*
Common Name: Crotch's bumble bee

Listing Status: **Federal:** None
Rare Plant Rank:
State: Candidate Endangered
Other Lists: IUCN_EN-Endangered

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
COASTAL CALIFORNIA EAST TO THE SIERRA-CASCADE CREST AND SOUTH INTO MEXICO.

Micro Habitat:
FOOD PLANT GENERA INCLUDE ANTIRRHINUM, PHACELIA, CLARKIA, DENDROMECON, ESCHSCHOLZIA, AND ERIOGONUM.

Last Date Observed: 1919-07-08
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1919-07-08
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
LAGUNA BEACH.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDB IN THE GENERAL VICINITY OF LAGUNA BEACH.

Ecological:

Threats:

General:
A COLLECTION WAS MADE IN THIS VICINITY ON 8 JUL 1919.

PLSS: T07S, R09W, Sec. 24 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3712920 E427656
Latitude/Longitude: 33.55348 / -117.77931
Elevation (feet): 150

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
ESS19S0001 ESSIG, E. - INHS #230576 COLLECTED FROM LAGUNA BEACH 1919-07-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B5205
EO Index: 118152
Key Quad: El Toro (3311766)
Element Code: IIHYM24480
Occurrence Number: 272
Occurrence Last Updated: 2020-02-28

Scientific Name: *Bombus crotchii*
Common Name: Crotch's bumble bee

Listing Status: **Federal:** None
Rare Plant Rank:
State: Candidate Endangered
Other Lists: IUCN_EN-Endangered

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:

COASTAL CALIFORNIA EAST TO THE SIERRA-CASCADE CREST AND SOUTH INTO MEXICO.

Micro Habitat:

FOOD PLANT GENERA INCLUDE ANTIRRHINUM, PHACELIA, CLARKIA, DENDROMECON, ESCHSCHOLZIA, AND ERIOGONUM.

Last Date Observed: 2016-07-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2016-07-01
Occurrence Rank: Good
Owner/Manager: ORA COUNTY-IRVINE RANCH
Trend: Unknown
Presence: Presumed Extant

Location:

JUST N OF BOLERO LOOKOUT BETWEEN THE SINKS AND SANTIAGO CREEK, ABOUT 5.25 MILES NE OF THE FORMER EL TORO MCS IN IRVINE.

Detailed Location:

MAPPED TO PROVIDED COORDINATES.

Ecological:

DETECTED DURING ROAD CLEARANCE SURVEYS FOR LSA ORANGE COUNTY RAODS PROJECT. APPEARS TO BE WITHIN IRVINE RANCH OPEN SPACE.

Threats:

General:

ONE DETECTED ON 1 JUL 2016.

PLSS: T05S, R07W, Sec. 30, N (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3730444 E439636
Latitude/Longitude: 33.71226 / -117.65146
Elevation (feet): 1,452

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

SCE17D0001 SOUTHERN CALIFORNIA EDISON - SOUTHERN CALIFORNIA BIOLOGY DATA EXPORT 2017-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B6484
EO Index: 119545
Key Quad: San Juan Capistrano (3311756)
Element Code: IIHYM24480
Occurrence Number: 365
Occurrence Last Updated: 2020-11-18

Scientific Name: *Bombus crotchii*
Common Name: Crotch's bumble bee

Listing Status: **Federal:** None
Rare Plant Rank:
State: Candidate Endangered
Other Lists: IUCN_EN-Endangered

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
COASTAL CALIFORNIA EAST TO THE SIERRA-CASCADE CREST AND SOUTH INTO MEXICO.

Micro Habitat:
FOOD PLANT GENERA INCLUDE ANTIRRHINUM, PHACELIA, CLARKIA, DENDROMECON, ESCHSCHOLZIA, AND ERIOGONUM.

Last Date Observed: 2020-06-12
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-06-12
Occurrence Rank: Unknown
Owner/Manager: CITY OF LAGUNA NIGUEL
Trend: Unknown
Presence: Presumed Extant

Location:
JUST EAST OF THE EAST END OF PINAFORE CIRCLE, CROWN VALLEY COMMUNITY PARK, LAGUNA NIGUEL.

Detailed Location:
MAPPED TO PROVIDED COORDINATES.

Ecological:

Threats:

General:
1 OBSERVED AND PHOTOGRAPHED ON 12 JUN 2020.

PLSS: T07S, R08W, Sec. 27, SW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3710362 E434001
Latitude/Longitude: 33.53081 / -117.71079
Elevation (feet): 337

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756)

Sources:
INA20U0034 INATURALIST - OBSERVATION 49462418 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2020-09-29 2020-06-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B6559
EO Index: 119620
Key Quad: El Toro (3311766)
Element Code: IIHYM24480
Occurrence Number: 391
Occurrence Last Updated: 2020-11-24

Scientific Name: *Bombus crotchii*
Common Name: Crotch's bumble bee

Listing Status: **Federal:** None
Rare Plant Rank:
State: Candidate Endangered
Other Lists: IUCN_EN-Endangered

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
COASTAL CALIFORNIA EAST TO THE SIERRA-CASCADE CREST AND SOUTH INTO MEXICO.

Micro Habitat:
FOOD PLANT GENERA INCLUDE ANTIRRHINUM, PHACELIA, CLARKIA, DENDROMECON, ESCHSCHOLZIA, AND ERIOGONUM.

Last Date Observed: 2020-08-23
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-08-23
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
ALONG JASPER HILL ROAD BETWEEN RED BLUFF DRIVE AND FAWN RIDGE ROAD, IN THE COMMUNITY OF TRABUCO CANYON.

Detailed Location:
MAPPED TO PROVIDED COORDINATES. ACCURACY GIVEN AS 195M.

Ecological:
OBSERVED VISITING PALO VERDE FLOWERS.

Threats:

General:
1 OBSERVED AND PHOTOGRPAHED ON 23 AUG 2020.

PLSS: T06S, R07W, Sec. 5, NW (S)
Accuracy: 1/5 mile
Area (acres): 70
UTM: Zone-11 N3727128 E441038
Latitude/Longitude: 33.68244 / -117.63611
Elevation (feet): 1,249

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:
INA20U0027 INATURALIST - OBSERVATION 57479039 FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2020-09-29 2020-08-23

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02969
EO Index: 12027
Key Quad: San Juan Capistrano (3311756)
Element Code: IILEPP2012
Occurrence Number: 205
Occurrence Last Updated: 2016-01-07

Scientific Name: *Danaus plexippus plexippus pop. 1*
Common Name: monarch - California overwintering population

Listing Status: **Federal:** Candidate
State: None
Rare Plant Rank:
Other Lists: IUCN_EN-Endangered
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G4T1T2Q
State: S2

General Habitat:

WINTER ROOST SITES EXTEND ALONG THE COAST FROM NORTHERN MENDOCINO TO BAJA CALIFORNIA, MEXICO.

Micro Habitat:

ROOSTS LOCATED IN WIND-PROTECTED TREE GROVES (EUCALYPTUS, MONTEREY PINE, CYPRESS), WITH NECTAR AND WATER SOURCES NEARBY.

Last Date Observed: 1972-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1972-XX-XX
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

VICINITY OF ROLLINGWOOD LANE, NE OF THE JCT OF I-5 AND HWY 74 (ORTEGA HWY), SAN JUAN CAPISTRANO.

Detailed Location:

XERCES SITE #2946. ALSO KNOWN AS SAN JUAN CAPISTRANO SITE. NORTH AND/OR WEST OF ROLLINGWOOD LN; EXACT LOCATION UNKNOWN.

Ecological:

ROOST TREES WERE EUCALYPTUS. UNUSUALLY FAR INLAND (8-9 MILES). SITE WAS "NORTH OF ROLLING WOOD LANE IN AN UNDEVELOPED AREA...A GREAT SITE" IN THE 1970S. SURROUNDING AREA WAS BEING DEVELOPED.

Threats:

DEVELOPMENT.

General:

HUNDREDS OBSERVED BY ALLEN; SEVERAL HUNDRED CAPTURED FOR TAGGING DURING THE WINTERS OF 1970-72. ALLEN REVISITED THE SITE IN 1983, BUT WAS DENIED ACCESS; IT HAD BEEN SOLD TO A DEVELOPER. NEEDS RESEARCH AND MONITORING.

PLSS: T07S, R07W, Sec. 31, SE (S)
Accuracy: 2/5 mile
Area (acres): 0
UTM: Zone-11 N3708577 E439749
Latitude/Longitude: 33.51506 / -117.64876
Elevation (feet): 400

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

SAK00F0001	SAKAI, W.H. (SANTA MONICA COLLEGE) - STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED UP TO AND INCLUDING WINTER 1999-2000. 2000-XX-XX
SAK89F0001	SAKAI, W.H. - STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES (5 PARTS), SURVEYED FROM 1984-1988. 1989-02-24
SAK89M0005	SAKAI, W.H. - QUAD MAPS OF ORANGE, SAN DIEGO, KERN & SANTA BARBARA COUNTIES MONARCH WINTERING SITES. 1989-02-24
SAK89R0001	SAKAI, W.H. ET AL. (SANTA MONICA COLLEGE) - "THE WINTERING COLONIES OF THE MONARCH BUTTERFLY (DANAUS PLEXIPPUS) IN THE STATE OF CALIFORNIA." 1989-XX-XX
XER14D0001	XERCES SOCIETY - DATABASE OF WESTERN MONARCH OVERWINTERING LOCATIONS (DRAFT) 2014-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	33190	**EO Index:**	2815
Key Quad:	Laguna Beach (3311757)	**Element Code:**	IILEPP2012
Occurrence Number:	301	**Occurrence Last Updated:**	2015-10-21

Scientific Name: *Danaus plexippus plexippus pop. 1*

Common Name: monarch - California overwintering population

Listing Status: **Federal:** Candidate
State: None

Rare Plant Rank:

Other Lists: IUCN_EN-Endangered
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G4T1T2Q
State: S2

General Habitat:

WINTER ROOST SITES EXTEND ALONG THE COAST FROM NORTHERN MENDOCINO TO BAJA CALIFORNIA, MEXICO.

Micro Habitat:

ROOSTS LOCATED IN WIND-PROTECTED TREE GROVES (EUCALYPTUS, MONTEREY PINE, CYPRESS), WITH NECTAR AND WATER SOURCES NEARBY.

Last Date Observed:	1990-03-21	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1993-XX-XX	**Occurrence Rank:**	None
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Extirpated		

Location:

SMITHCLIFFS ESTATES, WEST OF HWY 1, ON THE SOUTH END OF EMERALD BAY, LAGUNA BEACH.

Detailed Location:

"SMITHCLIFFS ESTATES" SITE. XERCES SITE #2952. VICINITY OF SMITHCLIFFS RD LOOP AND PRIVATE ROAD TO SW; EXACT LOCATION UNKNOWN.

Ecological:

ROOST TREES CONSIST OF INTRODUCED MONTEREY PINES AND OTHER EXOTIC PINES, WITH MASS PLANTINGS OF OLEANDER AND JADE PLANTS. APPARENLTY, 70+ MONTEREY PINES THAT LIKELY MADE UP THE GROVE WERE RELOCATED ON-SITE IN 1991, BUT UNKNOWN IF USED NOW.

Threats:

ROOST TREES WERE REMOVED TO ACCOMMODATE DEVELOPMENT.

General:

1000S OBSERVED ON 10 JAN 1990, WITH ONLY 100-200 PRESENT BY 21 MAR 1990. IN 1990-91, ACCESS TO SITE WAS DENIED, BUT SEVERAL WERE OBSERVED FLYING IN THE AREA. IN 1992-93, SITE WAS FOUND COMPLETELY GRADED WITH NO MONARCHS PRESENT.

PLSS:	T07S, R09W, Sec. 22 (S)	**Accuracy:**	80 meters	**Area (acres):**	0
UTM:	Zone-11 N3712435 E425109	**Latitude/Longitude:**	33.54893 / -117.80672	**Elevation (feet):**	25

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

SAK00F0001	SAKAI, W.H. (SANTA MONICA COLLEGE) - STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED UP TO AND INCLUDING WINTER 1999-2000. 2000-XX-XX
SAK91F0002	SAKAI, W.H. (SANTA MONICA COLLEGE) - STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED IN WINTER 1990-91. 1991-XX-XX
SAK93F0001	SAKAI, W.H. (SANTA MONICA COLLEGE) - STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED IN WINTER 1992-93. 1993-XX-XX
VOU90F0002	VOUCHILAS, C. (WESCO) - FIELD SURVEY FORM FOR DANAUS PLEXIPPUS (WINTERING SITE) 1990-01-10
VOU90F0003	VOUCHILAS, C. (WESCO) - FIELD SURVEY FORM FOR DANAUS PLEXIPPUS (WINTERING SITE) 1990-03-21
XER14D0001	XERCES SOCIETY - DATABASE OF WESTERN MONARCH OVERWINTERING LOCATIONS (DRAFT) 2014-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 33191
EO Index: 2817
Key Quad: Laguna Beach (3311757)
Element Code: IILEPP2012
Occurrence Number: 302
Occurrence Last Updated: 2015-10-21

Scientific Name: *Danaus plexippus plexippus pop. 1*
Common Name: monarch - California overwintering population

Listing Status: **Federal:** Candidate
State: None
Rare Plant Rank:
Other Lists: IUCN_EN-Endangered
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G4T1T2Q
State: S2

General Habitat:

WINTER ROOST SITES EXTEND ALONG THE COAST FROM NORTHERN MENDOCINO TO BAJA CALIFORNIA, MEXICO.

Micro Habitat:

ROOSTS LOCATED IN WIND-PROTECTED TREE GROVES (EUCALYPTUS, MONTEREY PINE, CYPRESS), WITH NECTAR AND WATER SOURCES NEARBY.

Last Date Observed: 1991-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1993-XX-XX
Occurrence Rank: Fair
Owner/Manager: DPR-CRYSTAL COVE SP
Trend: Unknown
Presence: Presumed Extant

Location:

CRYSTAL COVE STATE PARK, BETWEEN NEWPORT BEACH AND LAGUNA BEACH.

Detailed Location:

XERCES SITE #2953.

Ecological:

HISTORICAL AUTUMNAL SITE; ROOST TREES CONSISTED OF A SMALL GROVE OF EUCALYPTUS NEAR THE COVE ENTRANCE.

Threats:

General:

PRESENCE OF 100S OF MONARCHS ANNUALLY, FROM 1934-1975, INDICATES THE AREA ONCE SUPPORTED AN AUTUMNAL AGGREGATION. 10 OBSERVED FLYING IN 1990-91. NONE OBSERVED DURING A SINGLE SITE VISIT IN 1992-93. NEEDS FIELD WORK.

PLSS: T07S, R09W, Sec. 08, S (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3715439 E421994
Latitude/Longitude: 33.57580 / -117.84053
Elevation (feet): 60

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

SAK00F0001	SAKAI, W.H. (SANTA MONICA COLLEGE) - STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED UP TO AND INCLUDING WINTER 1999-2000. 2000-XX-XX
SAK91F0002	SAKAI, W.H. (SANTA MONICA COLLEGE) - STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED IN WINTER 1990-91. 1991-XX-XX
SAK93F0001	SAKAI, W.H. (SANTA MONICA COLLEGE) - STATEWIDE SET OF FIELD SURVEY FORMS FOR MONARCH WINTERING SITES, SURVEYED IN WINTER 1992-93. 1993-XX-XX
XER14D0001	XERCES SOCIETY - DATABASE OF WESTERN MONARCH OVERWINTERING LOCATIONS (DRAFT) 2014-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02534
EO Index: 23220
Key Quad: Newport Beach (3311768)
Element Code: IMGASJ7040
Occurrence Number: 6
Occurrence Last Updated: 2004-12-06

Scientific Name: *Tryonia imitator*
Common Name: mimic tryonia (=California brackishwater snail)

Listing Status: **Federal:** None
State: None
Rare Plant Rank:
Other Lists: IUCN_DD-Data Deficient

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:

INHABITS COASTAL LAGOONS, ESTUARIES AND SALT MARSHES, FROM SONOMA COUNTY SOUTH TO SAN DIEGO COUNTY.

Micro Habitat:

FOUND ONLY IN PERMANENTLY SUBMERGED AREAS IN A VARIETY OF SEDIMENT TYPES; ABLE TO WITHSTAND A WIDE RANGE OF SALINITIES.

Last Date Observed: 1996-09-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1996-09-24
Occurrence Rank: Unknown
Owner/Manager: DFG-UPPER NEWPORT BAY ER
Trend: Unknown
Presence: Presumed Extant

Location:

UPPER NEWPORT BAY.

Detailed Location:

USNM COLLECTION TAKEN AT OUTLET OF SAN DIEGO CREEK.

Ecological:

Threats:

General:

LIVING POPULATION REPORTED BY TAYLOR (1978). 500 COLLECTED BY CAROL L. PAQUETTE ON 24 SEP 1996 (USNM #1004198).

PLSS: T06S, R10W, Sec. 23 (S)
Accuracy: non-specific area
Area (acres): 562
UTM: Zone-11 N3722246 E417545
Latitude/Longitude: 33.63685 / -117.88909
Elevation (feet): 0

County Summary:

Orange

Quad Summary:

Tustin (3311767), Newport Beach (3311768)

Sources:

KEL80R0001	KELLOGG, M.G. (MOSS LANDING MARINE LAB) - STATUS OF THE CALIFORNIA BRACKISH WATER SNAIL (TRYONIA IMITATOR), IN CENTRAL CALIFORNIA. INLAND FISHERIES BRANCH ENDANGERED SPECIES PROGRAM, SPECIAL PUBLICATIONS NO. 80-3. 1980-07-XX
USN04S0013	UNITED STATES NATIONAL MUSEUM (SMITHSONIAN INSTITUTION) - PRINTOUT OF TRYONIA IMITATOR SPECIMENS IN THE SMITHSONIAN MUSEUM. 2004-12-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 47543
EO Index: 47543
Key Quad: San Juan Capistrano (3311756)
Element Code: PDAST20095
Occurrence Number: 18
Occurrence Last Updated: 2010-06-08

Scientific Name: *Chaenactis glabriuscula var. orcuttiana*
Common Name: Orcutt's pincushion

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T1
State: S1

Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

General Habitat:
COASTAL BLUFF SCRUB, COASTAL DUNES.

Micro Habitat:
SANDY SITES. 3-80 M.

Last Date Observed: 1924-07-10
Last Survey Date: 1924-07-10
Owner/Manager: UNKNOWN
Presence: Possibly Extirpated

Occurrence Type: Natural/Native occurrence
Occurrence Rank: None
Trend: Unknown

Location:
0.5 MILE SOUTH OF THE MOUTH OF ALISO CANYON, SOUTH LAGUNA.

Detailed Location:

Ecological:
ON SEA CLIFFS.

Threats:
URBANIZATION AND RECREATIONAL PRESSURE ALONG THE COAST MAY HAVE CAUSED SITE TO BE EXTIRPATED.

General:
SITE BASED ON A 1924 JOHNSTON COLLECTION; FREQUENT IN 1924. NEEDS FIELDWORK.

PLSS: T08S, R08W, Sec. 06 (S)
Accuracy: non-specific area
Area (acres): 87
UTM: Zone-11 N3707638 E430569
Latitude/Longitude: 33.50603 / -117.74753
Elevation (feet):

County Summary:
Orange

Quad Summary:
Dana Point (3311746), San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

JOH24S0004 JOHNSTON, I. - JOHNSTON SN POM #49169 1924-07-10
ROB98U0001 ROBERTS, F. - 6TH EDITION CNPS INVENTORY COMMENTS (INCLUDES INFORMATION FOR SEVERAL SPECIES) 1998-07-29

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 79015
EO Index: 47544
Key Quad: Laguna Beach (3311757)
Element Code: PDAST20095
Occurrence Number: 19
Occurrence Last Updated: 2010-06-08

Scientific Name: *Chaenactis glabriuscula var. orcuttiana*
Common Name: Orcutt's pincushion

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G5T1
State: S1

Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

General Habitat:
COASTAL BLUFF SCRUB, COASTAL DUNES.

Micro Habitat:
SANDY SITES. 3-80 M.

Last Date Observed: 1931-03-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1931-03-01
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Possibly Extirpated

Location:
LAGUNA BEACH.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS ALONG THE BEACH NEAR THE TOWN OF LAGUNA BEACH.

Ecological:
SANDY BEACH.

Threats:
URBANIZATION AND RECREATIONAL PRESSURE ALONG THE COAST MAY HAVE CAUSED SITE TO BE EXTIRPATED.

General:
SITE BASED ON A 1931 MCFADDEN COLLECTION. NEEDS FIELDWORK.

PLSS: T07S, R09W, Sec. 26 (S)
Accuracy: non-specific area
Area (acres): 132
UTM: Zone-11 N3711691 E427070
Latitude/Longitude: 33.54235 / -117.78553
Elevation (feet):

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

MCF31S0001	MCFADDEN, F. - MCFADDEN #2969 SEINET #2028558, USU #13032 1931-03-01
ROB98U0001	ROBERTS, F. - 6TH EDITION CNPS INVENTORY COMMENTS (INCLUDES INFORMATION FOR SEVERAL SPECIES) 1998-07-29

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 69977
EO Index: 70814
Key Quad: San Juan Capistrano (3311756)
Element Code: PDAST440C0
Occurrence Number: 6
Occurrence Last Updated: 2016-07-19

Scientific Name: *Pseudognaphalium leucocephalum*
Common Name: white rabbit-tobacco

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 2B.2
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S2

General Habitat:

RIPARIAN WOODLAND, CISMONTANE WOODLAND, COASTAL SCRUB, CHAPARRAL.

Micro Habitat:

SANDY, GRAVELLY SITES. 35-515 M.

Last Date Observed: 2007-09-11
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2007-09-11
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

SAN JUAN CREEK IN SAN JUAN CAPISTRANO.

Detailed Location:

MAPPED BY CNDDB AS BEST GUESS ALONG SAN JUAN CREEK BASED ON T-R-S PROVIDED BY ROBERTS AND WHITE IN SECTIONS 6, 5, AND 33.

Ecological:

OCCASIONAL TO COMMON IN OPEN, SANDY STREAMBED. COBBLY SAND OF WASH IN OPEN SOUTHERN WILLOW SCRUB AND MULEFAT SCRUB WITH BACCHARIS SALICIFOLIA, SALIX EXIGUA, S. LAEVIGATA, LOTUS HEERMANNII, AND LEPIDOSPARTUM SQUAMATUM.

Threats:

General:

OCCURRENCE BASED ON 1985, 1997, 2003, AND 2007 COLLECTIONS. NEEDS FIELDWORK TO DETERMINE EXACT EXTENT OF OCCURRENCE.

PLSS: T07S, R07W, Sec. 32 (S)
Accuracy: non-specific area
Area (acres): 341
UTM: Zone-11 N3708501 E441579
Latitude/Longitude: 33.51447 / -117.62904
Elevation (feet): 120

County Summary:

Orange

Quad Summary:

Canada Gobernadora (3311755), San Juan Capistrano (3311756)

Sources:

RIE07S0004	RIEFNER, R. - RIEFNER #07-55 CHSC #106735 & #108408, OBI #74762, RSA #722094, SD #187362 2007-02-13
RIE07S0005	RIEFNER, R. - RIEFNER #07-157 CDA #23142, RSA #722938, SD #187363 2007-03-21
RIE07S0006	RIEFNER, R. - RIEFNER #07-379 RSA #737237 2007-09-11
ROB03S0008	ROBERTS, F. - ROBERTS #5963 UCR #126410, RSA #679098 2003-07-24
ROB06U0004	ROBERTS, F. - CNPS RARE PLANT STATUS REVIEW FORUM POSTING FOR PSEUDOGNAPHALIUM LEUCOCEPHALUM 2006-10-25
ROB85S0004	ROBERTS, F. - ROBERTS #2046 IRVC #23277 (AS CITED IN ROB06U0004) 1985-07-17
WHI03S0011	WHITE, S. & M. CARLTON - WHITE #9874 RSA #683220, UCR #150566 2003-11-20
WHI97S0007	WHITE, S. - WHITE #5342 UCR #138408, RSA #603364 1997-06-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 69979
EO Index: 70815
Key Quad: San Juan Capistrano (3311756)
Element Code: PDAST440C0
Occurrence Number: 7
Occurrence Last Updated: 2007-09-20

Scientific Name: *Pseudognaphalium leucocephalum*
Common Name: white rabbit-tobacco

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 2B.2
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S2

General Habitat:
RIPARIAN WOODLAND, CISMONTANE WOODLAND, COASTAL SCRUB, CHAPARRAL.

Micro Habitat:
SANDY, GRAVELLY SITES. 35-515 M.

Last Date Observed: 1985-08-23
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1985-08-23
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
TRABUCO CREEK AT OSO ROAD CROSSING, 1.2 KM SOUTHEAST OF SALADA SURVEY MARK.

Detailed Location:

Ecological:
RARE IN DRY GRAVEL WASH IN MULEFAT SCRUB WITH SCATTERED WILLOWS; SAND.

Threats:

General:
ONLY SOURCE OF INFORMATION IS A 1985 COLLECTION BY ROBERTS.

PLSS: T07S, R08W, Sec. 36, SW (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3708638 E437565
Latitude/Longitude: 33.51549 / -117.67228
Elevation (feet): 135

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756)

Sources:

ROB06U0004 ROBERTS, F. - CNPS RARE PLANT STATUS REVIEW FORUM POSTING FOR PSEUDOGNAPHALIUM LEUCOCEPHALUM 2006-10-25
ROB85S0003 ROBERTS, F. - ROBERTS #2169 IRVC #24063 (AS CITED IN ROB06U0004) 1985-08-23

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 69980
EO Index: 70816
Key Quad: San Juan Capistrano (3311756)
Element Code: PDAST440C0
Occurrence Number: 8
Occurrence Last Updated: 2007-09-26

Scientific Name: *Pseudognaphalium leucocephalum*
Common Name: white rabbit-tobacco

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 2B.2
Other Lists:

CNDDB Element Ranks: **Global:** G4
State: S2

General Habitat:

RIPARIAN WOODLAND, CISMONTANE WOODLAND, COASTAL SCRUB, CHAPARRAL.

Micro Habitat:

SANDY, GRAVELLY SITES. 35-515 M.

Last Date Observed: 2004-07-30
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2004-07-30
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

CRISTIANITOS CANYON ALONG CRISTIANITOS CREEK, 0.93 KM SOUTH-SOUTHWEST OF GATO GATE AND 0.23 KM WEST OF CRISTIANITOS RD.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB BASED ON T-R-S PROVIDED BY ROBERTS IN THE NE1/4 OF THE NW1/4 OF SECTION 24.

Ecological:

LOCALLY FREQUENT. ROCK ALLUVIAL BENCH ON SAND IN ALLUVIAL SCRUB. ASSOCIATED WITH LEPIDOSPARTUM SQUAMATUM, GNAPHALIUM CANESCENS, AND ARTEMISIA CALIFORNICA.

Threats:

General:

ONLY SOURCE OF INFORMATION IS A 2004 COLLECTION BY ROBERTS.

PLSS: T07S, R08W, Sec. 24, NW (S)
Accuracy: non-specific area
Area (acres): 41
UTM: Zone-11 N3712938 E437784
Latitude/Longitude: 33.55428 / -117.67021
Elevation (feet): 249

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

ROB04S0001 ROBERTS, F. & D. BRAMLET - ROBERTS #6088 RSA #703730, SBBG #119614, UCR #162881 2004-07-30

ROB04S0002 ROBERTS, F. & D. BRAMLET - ROBERTS #6087 RSA #704430 2004-07-30

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02533
EO Index: 16789
Key Quad: Newport Beach (3311768)
Element Code: PDAST4N102
Occurrence Number: 7
Occurrence Last Updated: 1989-08-11

Scientific Name: *Helianthus nuttallii ssp. parishii*
Common Name: Los Angeles sunflower

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1A
Other Lists:

CNDDB Element Ranks: **Global:** G5TX
State: SX

General Habitat:
MARSHES AND SWAMPS (COASTAL SALT AND FRESHWATER).

Micro Habitat:
35-1525 M.

Last Date Observed: 1933-08-26
Last Survey Date: 1933-08-26
Owner/Manager: UNKNOWN
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
EDGE OF SALT MARSH, FAR END OF NEWPORT LAGOON.

Detailed Location:
EXACT LOCATION UNKNOWN, MAPPED BY CNDDB AS A BEST GUESS.

Ecological:
EDGE OF SALT MARSH.

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1933 BOOTH COLLECTION. NEEDS FIELDWORK.

PLSS: T06S, R10W, Sec. 23 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3722596 E417561
Latitude/Longitude: 33.64001 / -117.88895
Elevation (feet):

County Summary:
Orange

Quad Summary:
Tustin (3311767), Newport Beach (3311768)

Sources:
BOO33S0001 BOOTH, L. - BOOTH #1388 POM #201852, UC #537260 1933-08-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 35383
EO Index: 29982
Key Quad: Tustin (3311767)
Element Code: PDAST4R0P4
Occurrence Number: 7
Occurrence Last Updated: 1998-08-27

Scientific Name: *Centromadia parryi ssp. australis*
Common Name: southern tarplant

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1

CNDDB Element Ranks: **Global:** G3T2
State: S2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:

MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON VERNAL POOL MARGINS. 0-975 M.

Last Date Observed: 1997-10-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1997-10-10
Occurrence Rank: Good
Owner/Manager: DFG-UPPER NEWPORT BAY ER
Trend: Unknown
Presence: Presumed Extant

Location:

NEWPORT BEACH, UPPER NEWPORT BACK BAY ALONG BAYSIDE DRIVE JUST WEST OF EASTBLUFF DRIVE.

Detailed Location:

ALONG BOTH SIDES OF ROAD ABOUT 1000 FEET WEST OF EASTBLUFF DRIVE.

Ecological:

ON GRASSY SLOPE WITHIN RUDERAL/GRASSLAND COMMUNITY. ASSOCIATED WITH SALSOLA KALI, CONYZA CANADENSIS, PICRIS ECHIOIDES, BRASSICA GENICULATA, FRANKENIA GRANDIFOLIA, DISTICHLIS SPICATA, BROMUS MOLLIS, FESTUCA MEGALURA, HORDEUM LEPORINUM, ETC.

Threats:

PLANTS CRUSHED BY JOGGERS AND BIKES.

General:

60+ PLANTS OBSERVED IN 1989, SEVERAL HUNDRED PLANTS IN 1997.

PLSS: T06S, R10W (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3723188 E419049
Latitude/Longitude: 33.64546 / -117.87296
Elevation (feet): 10

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

BRA89F0029 BRAMLET, D. - FIELD SURVEY FORM FOR CENTROMADIA PARRYI SSP. AUSTRALIS 1989-08-20

GAR97R0001 GARDINER, G. - THESIS: HEMIZONIA PARRYI SSP. AUSTRALIS 1997-12-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	35382	**EO Index:**	29981
Key Quad:	Tustin (3311767)	**Element Code:**	PDAST4R0P4
Occurrence Number:	8	**Occurrence Last Updated:**	2015-08-05

Scientific Name: *Centromadia parryi ssp. australis*

Common Name: southern tarplant

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G3T2

State: S2

Rare Plant Rank: 1B.1

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:

MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON VERNAL POOL MARGINS. 0-975 M.

Last Date Observed:	2015-05-16	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2015-05-16	**Occurrence Rank:**	Fair
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

NEWPORT BEACH; VICINITY OF SAN DIEGO CREEK CHANNEL AT MACARTHUR BLVD.

Detailed Location:

MAPPED BY CNDDB AS 3 POLYGONS BASED ON A 1996 ERICKSON MAP AND 2015 VANDERHOFF COORDINATES.

Ecological:

RUDERAL WETLAND EDGE AND ALONG MARGINS OF A FEW LARGE SWALES. WITH DEINANDRA FASCICULATA AND LOTS OF NON-NATIVES.

Threats:

DEVELOPMENT AND ROAD CONSTRUCTION.

General:

IN 1996, 2 PLANTS OBSERVED IN SOUTHERN POLYGON AND ABOUT 100 PLANTS OBSERVED IN NORTHERN POLYGON. "QUITE COMMON (ABUNDANT)" IN MIDDLE POLYGON IN 2015. INCLUDES FORMER OCCURRENCE #9.

PLSS:	T06S, R09W, Sec. 18, W (S)	**Accuracy:**	specific area	**Area (acres):**	15
UTM:	Zone-11 N3723977 E420126	**Latitude/Longitude:**	33.65265 / -117.86141	**Elevation (feet):**	20

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

ERI96F0001	ERICKSON, R. - FIELD SURVEY FORM FOR CENTROMADIA PARRYI SSP. AUSTRALIS 1996-09-18
MAR80S0001	MARSH, G. - MARSH SN IRVC #18034 1980-08-27
SAN93U0002	SANDERS, A. - NOTES ON DISTRIBUTION OF ORANGE COUNTY PLANTS 1993-XX-XX
VAN15U0001	VANDERHOFF, R. - OBSERVATION RECORD FOR CENTROMADIA PARRYI SSP. AUSTRALIS, CALFLORA ID: PO2189 2015-05-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 35379
EO Index: 14974
Key Quad: Tustin (3311767)
Element Code: PDAST4R0P4
Occurrence Number: 10
Occurrence Last Updated: 1998-08-27

Scientific Name: *Centromadia parryi ssp. australis*
Common Name: southern tarplant

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1

CNDDB Element Ranks: **Global:** G3T2
State: S2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:

MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON VERNAL POOL MARGINS. 0-975 M.

Last Date Observed: 1985-09-17
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1997-10-10
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Possibly Extirpated

Location:

IRVINE, LOT BETWEEN WALNUT AVE, HARVARD AVE, AND PETERS CREEK CHANNEL.

Detailed Location:

MAPPED ABOUT 0.9 MILE WEST OF I-5 (SANTA ANA FREEWAY) AT CULVER DRIVE.

Ecological:

COMMON ALONG MARGIN OF DISTURBED DITCH WITH SALSOLA AUSTRALIS, CRESSA TRUXILLENSIS, AND DATURA WRIGHTII ON SANDY SOIL.

Threats:

General:

MAPPED BASED ON 1985 COLLECTION BY ROBERTS. SITE VISITED BY GARDINER IN 1997: WAS BEING CONVERTED INTO A TOLL HIGHWAY ALONG PETERS CANYON WASH AND THE LOT HAD BEEN COVERED WITH FILL. JUST A FEW WEEDY PLANTS PERSISTED.

PLSS: T05S, R09W (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3730129 E426015
Latitude/Longitude: 33.70857 / -117.79842
Elevation (feet): 20

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

GAR97R0001 GARDINER, G. - THESIS: HEMIZONIA PARRYI SSP. AUSTRALIS 1997-12-17

ROB85S0001 ROBERTS, F. - ROBERTS #2263 RSA #488141, IRVC #24187, UCSB #52862 1985-09-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 35380
EO Index: 29582
Key Quad: Tustin (3311767)
Element Code: PDAST4R0P4
Occurrence Number: 11
Occurrence Last Updated: 2006-01-12

Scientific Name: *Centromadia parryi ssp. australis*
Common Name: southern tarplant

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1

CNDDB Element Ranks: **Global:** G3T2
State: S2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:

MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON VERNAL POOL MARGINS. 0-975 M.

Last Date Observed: 1974-05-23
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1974-05-23
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY-JOHN WAYNE AIRPORT
Trend: Unknown
Presence: Presumed Extant

Location:

COSTA MESA, JOHN WAYNE AIRPORT.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED NON-SPECIFICALLY ACROSS THE ENTIRE AIRPORT.

Ecological:

Threats:

AIRPORT OPERATIONS.

General:

ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1974 COLLECTION BY NOLAN WHICH WAS CITED BY SANDERS IN A 1993 LETTER TO CNPS.

PLSS: T06S, R09W, Sec. 06 (S)
Accuracy: non-specific area
Area (acres): 477
UTM: Zone-11 N3726518 E419519
Latitude/Longitude: 33.67552 / -117.86819
Elevation (feet): 50

County Summary:

Orange

Quad Summary:

Tustin (3311767), Newport Beach (3311768)

Sources:

NOL74S0001 NOLAN, M. - NOLAN SN OCDA (CITED IN SAN93U0002) 1974-05-23

SAN93U0002 SANDERS, A. - NOTES ON DISTRIBUTION OF ORANGE COUNTY PLANTS 1993-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	39810	**EO Index:**	34812
Key Quad:	Tustin (3311767)	**Element Code:**	PDAST4R0P4
Occurrence Number:	48	**Occurrence Last Updated:**	2015-08-05

Scientific Name: *Centromadia parryi ssp. australis*

Common Name: southern tarplant

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G3T2

State: S2

Rare Plant Rank: 1B.1

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:

MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON VERNAL POOL MARGINS. 0-975 M.

Last Date Observed:	2003-06-28	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2003-06-28	**Occurrence Rank:**	Unknown
Owner/Manager:	UC?	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

2 KM NW OF CAMPUS CENTER OF UC IRVINE, SSE OF THE JUNCTION OF CAMPUS DR AND JAMBOREE RD, SAN JOAQUIN FRESHWATER MARSH.

Detailed Location:

UNCLEAR IF THIS SITE WAS ORIGINALLY NATIVE OR IF IT HAS ALWAYS BEEN A PLANTED SITE.

Ecological:

OCCASIONALLY ALONG DIRT ROAD AND AT MARGIN OF FRESHWATER MARSH IN ALKALI SWALE. ASSOCIATED WITH FRANKENIA SALINA, DISTICHLIS SPICATA, BROMUS HORDACEUS, AND ATRIPLEX SEMIBACCATA.

Threats:

General:

SITE BASED ON 1992 ROBERTS COLLECTION. 2003 ELVIN COLLECTION FROM "SAN JOAQUIN FRESHWATER MARSH, SSE OF INTERSECTION OF JAMBOREE BLVD AND CAMPUS DR" ATTRIB HERE; ELVIN NOTES PLANT IS "LOCALLY COMMON IN REVEG PLANTINGS, PLANTED AS SEED."

PLSS:	T06S, R09W, Sec. 07, SE (S)	**Accuracy:**	1/10 mile	**Area (acres):**	0
UTM:	Zone-11 N3724996 E420919	**Latitude/Longitude:**	33.66191 / -117.85295	**Elevation (feet):**	5

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

ELV03S0031	ELVIN, M. & P. BOWLER - ELVIN #2957 UCR #238167 2003-06-28
GAR97R0001	GARDINER, G. - THESIS: HEMIZONIA PARRYI SSP. AUSTRALIS 1997-12-17
ROB92S0001	ROBERTS, F. ET AL. - ROBERTS #4847 RSA #594889 & 594890 1992-09-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 48131
EO Index: 48131
Key Quad: Tustin (3311767)
Element Code: PDAST4R0P4
Occurrence Number: 59
Occurrence Last Updated: 2006-01-27

Scientific Name: *Centromadia parryi ssp. australis*
Common Name: southern tarplant

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1

CNDDB Element Ranks: **Global:** G3T2
State: S2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:

MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON VERNAL POOL MARGINS. 0-975 M.

Last Date Observed: 1998-07-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-07-01
Occurrence Rank: Poor
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:

PETERS CANYON CHANNEL, WEST OF WARNER DRIVE, SOUTH OF MARINE CORPS AIR STATION, TUSTIN.

Detailed Location:

4 COLONIES JUST SOUTH OF CHANNEL FROM WARNER DRIVE WEST FOR ABOUT 0.65 MILE.

Ecological:

IN GRADED / RIPPED FIELD. NORTHEAST OF BALL PARK WITH TARWEED ON EDGE. SOUTHWEST OF BALLPARK IN WASTEFIELD WITH ATRIPLEX SUBERECTA AND ATRIPLEX TRIANGULARIS.

Threats:

SOIL DISTURBED BY RIPPING.

General:

MORE THAN 1000 PLANTS OBSERVED IN 1998. SITES NOT AFFORDED ANY PROTECTION IN THE PRESENT NCCP SUBREGION.

PLSS: T05S, R09W, Sec. 33 (S)
Accuracy: specific area
Area (acres): 7
UTM: Zone-11 N3728396 E423975
Latitude/Longitude: 33.69280 / -117.82029
Elevation (feet): 45

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

WOL98F0021 WOLF, A. - FIELD SURVEY FORM FOR CENTROMADIA PARRYI SSP. AUSTRALIS 1998-07-01

WOL98S0004 WOLF, A. - WOLF #410 UCR #158036, CAS #1122789, CAS-BOT-BC #288839 1998-07-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	48132	**EO Index:**	48132
Key Quad:	Tustin (3311767)	**Element Code:**	PDAST4R0P4
Occurrence Number:	60	**Occurrence Last Updated:**	2019-03-11

Scientific Name: *Centromadia parryi ssp. australis*

Common Name: southern tarplant

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G3T2

State: S2

Rare Plant Rank: 1B.1

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:

MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON VERNAL POOL MARGINS. 0-975 M.

Last Date Observed:	2018-08-04	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2018-08-04	**Occurrence Rank:**	Poor
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAND CANYON, WILLIAM R MASON REGIONAL PARK, SAN JOAQUIN HILLS, NORTH OF UC IRVINE.

Detailed Location:

AT MOUTH OF SAND CANYON AT EASTERN END OF PARK, SOUTH OF UNIVERSITY DRIVE WEST OF YALE AVENUE. 2 POLYGONS MAPPED ACCORDING TO A 1998 WOLF MAP AND 2018 VANDERHOFF COORDINATES.

Ecological:

IN ALKALINE GRASSLAND / MEADOW RECENTLY DISKED FOR REVEGETATION PROGRAM. FILL / SOIL MAY ORIGINATE FROM NEWPORT BACK BAY. ASSOCIATES INCLUDE HEMIZONIA FASCICULATA AND MELILOTUS INDICA.

Threats:

DISKING?

General:

EASTERN POLYGON: MORE THAN 500 PLANTS OBSERVED OVER 2 ACRES IN 1998. WESTERN POLYGON: 1 PLANT OBSERVED IN 2018, POSSIBLY INTRODUCED FROM REVEG-RESTORATION ACTIVITIES THAT APPEAR TO HAVE HAPPENED HERE IN THE LAST 3-4 YEARS.

PLSS:	T06S, R09W, Sec. 16, NE (S)	**Accuracy:**	specific area	**Area (acres):**	10
UTM:	Zone-11 N3724446 E424310	**Latitude/Longitude:**	33.65719 / -117.81634	**Elevation (feet):**	80

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

VAN18U0009	VANDERHOFF, R. - OBSERVATION RECORD FOR CENTROMADIA PARRYI SSP. AUSTRALIS, CALFLORA ID: GP8955 2018-08-04
WOL98F0022	WOLF, A. - FIELD SURVEY FORM FOR CENTROMADIA PARRYI SSP. AUSTRALIS 1998-07-21
WOL98S0006	WOLF, A. - WOLF #365 UCR #158024 1998-07-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 48133
EO Index: 48133
Key Quad: Tustin (3311767)
Element Code: PDAST4R0P4
Occurrence Number: 61
Occurrence Last Updated: 2006-01-11

Scientific Name: *Centromadia parryi ssp. australis*
Common Name: southern tarplant

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1

CNDDB Element Ranks: **Global:** G3T2
State: S2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:

MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON VERNAL POOL MARGINS. 0-975 M.

Last Date Observed: 2003-08-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-08-24
Occurrence Rank: Poor
Owner/Manager: UC-IRVINE
Trend: Unknown
Presence: Presumed Extant

Location:

BONITA CREEK, NORTH OF BONITA DRIVE, 1 TO 1.2 AIR MILES EAST OF BONITA RESERVOIR DAM, UC IRVINE EAST CAMPUS.

Detailed Location:

ALONG CREEK NORTH OF ROAD.

Ecological:

IN ALKALI MEADOW WITH CRESSA TRUXILLENSIS, PICRIS ECHIOIDES, FRANKENIA SALINA, CYNARA CARDUNCULUS, POLYPOGON MONSPELIENSIS, SALIX LAEVIGATA, S. LASIOLEPIS, DISTICHLIS SPICATA, MALVELLA LEPROSA, AND ANEMOPSIS CALIFORNICA. SALINE CLAY SOILS.

Threats:

HEAVILY INFESTED WTIH CYNARA CARDUNCULUS AND PICRIS ECHIOIDES.

General:

MORE THAN 500 PLANTS SEEN IN 1998. SITE SHOULD BE INCORPORATED INTO CENTRAL / COASTAL NCCP RESERVE AND WEEDED.

PLSS: T06S, R09W, Sec. 21, W (S)
Accuracy: specific area
Area (acres): 15
UTM: Zone-11 N3721893 E422996
Latitude/Longitude: 33.63408 / -117.83029
Elevation (feet): 220

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

ELV03S0005	ELVIN, M. - ELVIN #3012 IRVC #26685, UCR #146950, RSA #708451, SD #218273 2003-08-24
WOL98F0026	WOLF, A. - FIELD SURVEY FORM FOR CENTROMADIA PARRYI SSP. AUSTRALIS 1998-07-01
WOL98S0003	WOLF, A. - WOLF #425 UCR #158023 1998-07-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63798
Key Quad: Tustin (3311767)
Occurrence Number: 73

EO Index: 63893
Element Code: PDAST4R0P4
Occurrence Last Updated: 2006-01-26

Scientific Name: *Centromadia parryi ssp. australis*
Common Name: southern tarplant

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G3T2
State: S2

Rare Plant Rank: 1B.1

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:

MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON VERNAL POOL MARGINS. 0-975 M.

Last Date Observed: 1987-07-22
Last Survey Date: 1987-07-22
Owner/Manager: UNKNOWN
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

SAN DIEGO CREEK JUST ABOVE MAIN STREET BRIDGE.

Detailed Location:

Ecological:

ALONG MARGIN OF CREEK IN EARLY SUCCESSIONAL RIPARIAN ASSOCIATION.

Threats:

General:

ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1987 COLLECTION BY ROBERTS. NEEDS FIELDWORK.

PLSS: T06S, R09W, Sec. 05, E (S)
UTM: Zone-11 N3727007 E422635

Accuracy: 1/10 mile
Latitude/Longitude: 33.68017 / -117.83462

Area (acres): 0
Elevation (feet): 15

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

ROB87S0001 ROBERTS, F. - ROBERTS #3507 IRVC #25435 1987-07-22

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63799
Key Quad: Tustin (3311767)
Occurrence Number: 74
EO Index: 63894
Element Code: PDAST4R0P4
Occurrence Last Updated: 2006-01-26

Scientific Name: *Centromadia parryi ssp. australis*
Common Name: southern tarplant

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3T2
State: S2
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:

MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON VERNAL POOL MARGINS. 0-975 M.

Last Date Observed: 1996-07-28
Last Survey Date: 1996-07-28
Owner/Manager: UNKNOWN
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

SAN DIEGO CREEK AT CAMPUS DRIVE.

Detailed Location:

ALONG DIRT ROAD.

Ecological:

Threats:

General:

ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1996 COLLECTION BY RIEFNER. NEEDS FIELDWORK.

PLSS: T06S, R09W, Sec. 17, NW (S)
UTM: Zone-11 N3724289 E421608
Accuracy: 1/10 mile
Latitude/Longitude: 33.65558 / -117.84546
Area (acres): 0
Elevation (feet): 30

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

RIE96S0002 RIEFNER, R. - RIEFNER #96-152 RSA #599428 1996-07-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 97130
EO Index: 98377
Key Quad: Tustin (3311767)
Element Code: PDAST4R0P4
Occurrence Number: 89
Occurrence Last Updated: 2015-08-06

Scientific Name: *Centromadia parryi ssp. australis*
Common Name: southern tarplant

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1

CNDDB Element Ranks: **Global:** G3T2
State: S2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:

MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON VERNAL POOL MARGINS. 0-975 M.

Last Date Observed: 2013-08-12
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2013-08-12
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

SAND CANYON; JUST EAST OF CULVER DRIVE WITHIN WILLIAM R MASON REGIONAL PARK, SAN JOAQUIN HILLS.

Detailed Location:

MAPPED BY CNDDB AS 2 POLYGONS ACCORDING TO 2013 RUDALEVIGE COORDINATES, IN THE EAST 1/2 OF THE NW 1/4 OF SECTION 16.

Ecological:

ALONG EDGE OF PARK TRAIL. AT EDGE OF BLACKBERRY THICKET AND IN RUDERAL VEGETATION. ASSOCIATES INCLUDE RUBUS URSINUS, BRASSICA NIGRA, BROMUS HORDEACEUS, PULICARIA PALUDOSA, CENTAUREA MELITENSIS, LACTUCA SERRIOLA, LEPIDIUM, ETC.

Threats:

POSSIBLE VEGETATION MANAGEMENT ALONG EDGE OF TRAIL. POSSIBLE TRAMPLING.

General:

IN 2013, 1 PLANT WAS OBSERVED IN NORTHERN POLYGON AND 12 PLANTS IN SOUTHERN POLYGON.

PLSS: T06S, R09W, Sec. 16, NW (S)
Accuracy: specific area
Area (acres): 2
UTM: Zone-11 N3724198 E423381
Latitude/Longitude: 33.65489 / -117.82634
Elevation (feet): 70

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

RUD13F0001 RUDALEVIGE, A. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR CENTROMADIA PARRYI SSP. AUSTRALIS 2013-08-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B2255	**EO Index:**	114178
Key Quad:	Laguna Beach (3311757)	**Element Code:**	PDAST4R0P4
Occurrence Number:	105	**Occurrence Last Updated:**	2019-02-07

Scientific Name: *Centromadia parryi ssp. australis*

Common Name: southern tarplant

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G3T2

State: S2

Rare Plant Rank: 1B.1

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:

MARSHES AND SWAMPS (MARGINS), VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

OFTEN IN DISTURBED SITES NEAR THE COAST AT MARSH EDGES; ALSO IN ALKALINE SOILS SOMETIMES WITH SALTGRASS. SOMETIMES ON VERNAL POOL MARGINS. 0-975 M.

Last Date Observed:	2017-08-19	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2017-08-19	**Occurrence Rank:**	Unknown
Owner/Manager:	CITY OF LAGUNA BEACH	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

EAST SIDE OF CA-133 ABOUT 1.4 AIR MILES NORTH OF ITS INTERSECTION WITH CA-73, LAGUNA COAST WILDERNESS PARK.

Detailed Location:

MAPPED ACCORDING TO 2017 MILLER COORDINATES, IN THE NORTH 1/2 OF THE NW 1/4 OF SECTION 31.

Ecological:

IN MAN-MADE RUNOFF BASIN.

Threats:

General:

100+ PLANTS OBSERVED IN 2017. UNKNOWN IF RESTORATION ACTIVITIES WERE THE SOURCE OF PLANT SEED; WORK DONE UP TO 15 YEARS AGO. ORIGINALLY FOUND BY CHARLES WRIGHT, ID CONFIRMED BY RON VANDERHOFF AND FRED ROBERTS.

PLSS:	T06S, R08W, Sec. 31, NW (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3719504 E429496	**Latitude/Longitude:**	33.61298 / -117.76002	**Elevation (feet):**	376

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

MIL17U0002 MILLER, J. - OBSERVATION RECORD FOR CENTROMADIA PARRYI SSP. AUSTRALIS, CALFLORA ID: PO52163 2017-08-19

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 87366
EO Index: 88358
Key Quad: Laguna Beach (3311757)
Element Code: PDAST57091
Occurrence Number: 60
Occurrence Last Updated: 2012-11-27

Scientific Name: *Isocoma menziesii var. decumbens*
Common Name: decumbent goldenbush

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: BLM_S-Sensitive
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G3G5T2T3
State: S2

General Habitat:
COASTAL SCRUB, CHAPARRAL.

Micro Habitat:
SANDY SOILS; OFTEN IN DISTURBED SITES. 1-915 M.

Last Date Observed: 1946-05-13
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1946-05-13
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
CORONA DEL MAR, PACIFIC OCEAN DRAINAGE AREA.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDB IN GENERAL VICINITY OF CORONA DEL MAR.

Ecological:
BLUFFS, SOUTH SLOPE.

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1946 COLLECTION BY BENSON. NEEDS FIELDWORK.

PLSS: T07S, R10W, Sec. 01 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3717559 E419474
Latitude/Longitude: 33.59472 / -117.86786
Elevation (feet): 50

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757), Newport Beach (3311768)

Sources:
BEN46S0002 BENSON, L. - BENSON #12097 POM #294117 1946-05-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B3852
Key Quad: Laguna Beach (3311757)
Occurrence Number: 127

EO Index: 116769
Element Code: PDAST57091
Occurrence Last Updated: 2019-08-30

Scientific Name: *Isocoma menziesii var. decumbens*
Common Name: decumbent goldenbush

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G5T2T3
State: S2

Rare Plant Rank: 1B.2
Other Lists: BLM_S-Sensitive
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

General Habitat:
COASTAL SCRUB, CHAPARRAL.

Micro Habitat:
SANDY SOILS; OFTEN IN DISTURBED SITES. 1-915 M.

Last Date Observed: 2018-11-04
Last Survey Date: 2018-11-04
Owner/Manager: CITY OF LAGUNA BEACH
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
ALISO BEACH, VICINITY OF TREASURE ISLAND, LAGUNA BEACH.

Detailed Location:
MAPPED ACCORDING TO 2018 VANDERHOFF COORDINATES.

Ecological:
GROWING ON INVADED, WEEDY COASTAL BLUFF SCRUB.

Threats:

General:
11-50 PLANTS OBSERVED IN 2018.

PLSS: T07S, R08W, Sec. 31, S (S)
UTM: Zone-11 N3708598 E429401

Accuracy: 80 meters
Latitude/Longitude: 33.51461 / -117.76018

Area (acres): 5
Elevation (feet): 18

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
VAN18U0012 VANDERHOFF, R. - OBSERVATION RECORD FOR ISOCOMA MENZIESII VAR. DECUMBENS, CALFLORA ID: GP9768 2018-11-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02609
EO Index: 7354
Key Quad: Laguna Beach (3311757)
Element Code: PDAST5L0A1
Occurrence Number: 34
Occurrence Last Updated: 2010-11-22

Scientific Name: *Lasthenia glabrata ssp. coulteri*
Common Name: Coulter's goldfields

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1
Other Lists: BLM_S-Sensitive
SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_SBBG-Santa Barbara Botanic Garden

CNDDB Element Ranks: **Global:** G4T2
State: S2

General Habitat:

COASTAL SALT MARSHES, PLAYAS, VERNAL POOLS.

Micro Habitat:

USUALLY FOUND ON ALKALINE SOILS IN PLAYAS, SINKS, AND GRASSLANDS. 1-1375 M.

Last Date Observed: 1997-03-25
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1997-03-25
Occurrence Rank: Unknown
Owner/Manager: DPR-CRYSTAL COVE SP
Trend: Unknown
Presence: Presumed Extant

Location:

PELICAN POINT AREA, CRYSTAL COVE STATE PARK.

Detailed Location:

BETWEEN PACIFIC COAST HIGHWAY AND THE BIKE TRAIL ON BANK ADJACENT TO PARKING LOT. OLD STABLES SITE NEAR PELICAN POINT.

Ecological:

GRASSLAND IN OPEN SPACES BETWEEN SHRUBS. COASTAL SAGE SCRUB WITH HAPLOPAPPUS VENETUS, BACCHARIS PILULARIS, BRASSICA NIGRA, ATRIPLEX CANESCENS, ETC. SCARCE IN DISTURBED FIELD DOMINATED BY ICE PLANT.

Threats:

PART OF POPULATION DESTROYED IN 1986 OR 1987. OTHER (UNREPORTED) POPS MAY EXIST IN THE PARK ACC TO ROBERTS IN 1991.

General:

OBSERVED IN 1985 NEAR "OLD STABLE SITE". A PORTION OF THIS POPULATION WAS DESTROYED IN 1986 OR 1987 ACCORDING TO ROBERTS. OBSERVED IN 1997 ON "BANK ADJACENT TO PARKING LOT AND IN OPEN SPACES BETWEEN SHRUBS". NEEDS FIELDWORK.

PLSS: T07S, R09W, Sec. 07 (S)
Accuracy: 2/5 mile
Area (acres): 0
UTM: Zone-11 N3716327 E420997
Latitude/Longitude: 33.58373 / -117.85135
Elevation (feet): 100

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

PAR85S0008	PARRY, B. - PARRY #79 IRVC #21758 1985-05-02
PIT97S0003	PITZER, B. - PITZER #3015 UCR #102024 1997-03-25
ROB91U0004	ROBERTS, F. - NOTES FROM ORANGE COUNTY CHAPTER TO CNPS ON SEVERAL TAXA FOR INVENTORY 5. 1991-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 42507
EO Index: 42507
Key Quad: Laguna Beach (3311757)
Element Code: PDAST5L0A1
Occurrence Number: 58
Occurrence Last Updated: 2010-11-24

Scientific Name: *Lasthenia glabrata ssp. coulteri*
Common Name: Coulter's goldfields

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1

CNDDB Element Ranks: **Global:** G4T2
State: S2
Other Lists: BLM_S-Sensitive
SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:
COASTAL SALT MARSHES, PLAYAS, VERNAL POOLS.

Micro Habitat:
USUALLY FOUND ON ALKALINE SOILS IN PLAYAS, SINKS, AND GRASSLANDS. 1-1375 M.

Last Date Observed: 1998-04-28
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-04-28
Occurrence Rank: Fair
Owner/Manager: ORA COUNTY-LAGUNA COAST WP
Trend: Unknown
Presence: Presumed Extant

Location:
BUCK GULLY, ABOUT 1 MILE UPSTREAM (NORTHEAST) FROM HIGHWAY 1, NEWPORT BEACH.

Detailed Location:
MAPPED ACCORDING TO 1998 MAP PROVIDED BY WOLF.

Ecological:
VALLEY BOTTOM WITH POLYPOGON MONSPELIENSIS, LASTHENIA CALIFORNICA, MELILOTUS INDICA, LOLIUM MULTIFLORUM, AND JUNCUS BUFONIUS. IN CLAY DEPRESSION NEAR WILLOW WOODLAND.

Threats:
TRAMPLING BY PEDESTRIANS.

General:
2 PLANTS OBSERVED IN 1998 BY WOLF. SITE IS DESIGNATED AS RESERVE LAND IN ORANGE COUNTY NCCP SUBREGION.

PLSS: T06S, R09W, Sec. 31, SE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3718526 E420751
Latitude/Longitude: 33.60354 / -117.85419
Elevation (feet): 300

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
WOL98F0002 WOLF, A. - FIELD SURVEY FORM FOR LASTHENIA GLABRATA SSP. COULTERI 1998-04-28

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 81132
Key Quad: Tustin (3311767)
Occurrence Number: 77
EO Index: 81874
Element Code: PDAST5L0A1
Occurrence Last Updated: 2010-12-20

Scientific Name: *Lasthenia glabrata ssp. coulteri*
Common Name: Coulter's goldfields

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G4T2
State: S2
Rare Plant Rank: 1B.1
Other Lists: BLM_S-Sensitive
SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:
COASTAL SALT MARSHES, PLAYAS, VERNAL POOLS.

Micro Habitat:
USUALLY FOUND ON ALKALINE SOILS IN PLAYAS, SINKS, AND GRASSLANDS. 1-1375 M.

Last Date Observed: 1934-03-08
Last Survey Date: 1934-03-08
Owner/Manager: UNKNOWN
Presence: Possibly Extirpated
Occurrence Type: Natural/Native occurrence
Occurrence Rank: None
Trend: Unknown

Location:
SOUTH OF ED MARTINS AIRPORT, SANTA ANA.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS AT LOCATION OF OLD AIRPORT AT COSTA MESA FREEWAY (RT. 55) AND MAIN STREET INTERSECTION AND AREA TO THE SOUTH.

Ecological:
ALKALI FLATS.

Threats:
MUCH DEVELOPMENT HAS OCCURRED IN THIS AREA SINCE 1934. PROBABLY EXTIRPATED.

General:
ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1934 MCARTHUR COLLECTION. NEEDS FIELDWORK.

PLSS: T06S, R10W, Sec. 01 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3726720 E419337
Latitude/Longitude: 33.67733 / -117.87017
Elevation (feet):

County Summary:
Orange

Quad Summary:
Tustin (3311767), Newport Beach (3311768)

Sources:
MCA34S0001 MCARTHUR, R. - MCARTHUR SN RSA #695696 1934-03-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 72080
EO Index: 73020
Key Quad: Laguna Beach (3311757)
Element Code: PDAST6X021
Occurrence Number: 3
Occurrence Last Updated: 2008-08-27

Scientific Name: *Pentachaeta aurea ssp. allenii*
Common Name: Allen's pentachaeta

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1
Other Lists:

CNDDB Element Ranks: **Global:** G4T1
State: S1

General Habitat:
VALLEY AND FOOTHILL GRASSLANDS, COASTAL SCRUB.

Micro Habitat:
OPENINGS IN SCRUB OR GRASSLAND. 75-520 M.

Last Date Observed: 1987-04-03
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1987-04-03
Occurrence Rank: Unknown
Owner/Manager: CITY OF IRVINE, UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
2.9 KM NE OF SIGNAL HILL, CENTRAL SHADY CANYON, IRVINE.

Detailed Location:

Ecological:
GENTLE HILLSIDE WITH SCATTERED LOW ROCK OUTCROPS AND BARRENS IN MIXED COASTAL SAGE SCRUB. SANDY SOIL.

Threats:

General:
PLANTS SCATTERED BUT LOCALLY COMMON IN 1987.

PLSS: T06S, R09W, Sec. 26 (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3720793 E426816
Latitude/Longitude: 33.62442 / -117.78901
Elevation (feet): 350

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757), Tustin (3311767)

Sources:

ROB08U0003 ROBERTS, F. - EMAIL TO N. JENSEN WITH INFORMATION ON PENTACHAETA AUREA COLLECTIONS 2008-02-29
ROB87S0004 ROBERTS, F. - ROBERTS #3336 IRVC #25401 1987-04-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 72081
EO Index: 73021
Key Quad: Laguna Beach (3311757)
Element Code: PDAST6X021
Occurrence Number: 4
Occurrence Last Updated: 2008-08-28

Scientific Name: *Pentachaeta aurea ssp. allenii*
Common Name: Allen's pentachaeta

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1
Other Lists:

CNDDB Element Ranks: **Global:** G4T1
State: S1

General Habitat:
VALLEY AND FOOTHILL GRASSLANDS, COASTAL SCRUB.

Micro Habitat:
OPENINGS IN SCRUB OR GRASSLAND. 75-520 M.

Last Date Observed: 1994-04-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1994-04-01
Occurrence Rank: Unknown
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:
427 METERS WEST OF LAGUNA CANYON ROAD, 671 METERS NORTH OF CAMARILLO CANYON, SAN JOAQUIN HILLS.

Detailed Location:
DIRECTIONS ARE DIFFICULT TO INTERPRET SINCE THE ROADS DO NOT RUN IN STRAIGHT DIRECTIONS. UNCERTAIN IF "671 M N OF CAMARILLO CANYON" SHOULD BE NORTH OF THE CANYON OR NORTH OF CAMARILLO CANYON ROAD.

Ecological:
HABITAT WAS DESCRIBED IN 1994 AS BURNED COASTAL SAGE SCRUB. ASSOCIATED WITH NASSELLA PULCHRA, DICHELOSTEMMA CAPITATA, DAUCUS PUSILLUS, LINANTHUS DIANTHIFLORUS, BROMUS MADRITENSIS, AND LUPINUS BICOLOR.

Threats:

General:
MAPPED BASED PRIMARILY ON 1994 BRAMLET COLLECTION, DIRECTIONS GIVEN IN METERS. 1981 MARSH COLLECTION FROM "SYCAMORE HILLS, SYCAMORE CYN, EAST SIDE NEAR FLOOR" ALSO ATTRIBUTED HERE; LITTLE SYCAMORE CANYON IS THE CANYON N OF CAMARIILO CYN.

PLSS: T06S, R09W, Sec. 36 (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3718786 E428928
Latitude/Longitude: 33.60646 / -117.76607
Elevation (feet): 460

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

BRA94S0035	BRAMLET, D. - BRAMLET #2367 RSA #580937 1994-04-01
MAR81S0007	MARSH, K. - MARSH SN IRVC #19808 (CITED IN ROB08U0004) 1981-05-17
ROB08U0004	ROBERTS, F. - SUMMARY OF INFORMATION FOR PENTACHAETA AUREA SSP. ALLENII OCCURRENCES. 2008-03-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 72089
EO Index: 73022
Key Quad: El Toro (3311766)
Element Code: PDAST6X021
Occurrence Number: 5
Occurrence Last Updated: 2008-08-28

Scientific Name: *Pentachaeta aurea ssp. allenii*
Common Name: Allen's pentachaeta

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1
Other Lists:

CNDDB Element Ranks: **Global:** G4T1
State: S1

General Habitat:
VALLEY AND FOOTHILL GRASSLANDS, COASTAL SCRUB.

Micro Habitat:
OPENINGS IN SCRUB OR GRASSLAND. 75-520 M.

Last Date Observed: 1992-04-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1992-04-24
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY-GREAT PARK
Trend: Unknown
Presence: Presumed Extant

Location:
MOUTH OF BORREGO WASH, 2.9 KM SE OF LAMBERT RESERVOIR, EL TORO MARINE CORPS AIR STATION.

Detailed Location:

Ecological:
NORTH-FACING SLOPE IN MIXED GRASSLAND. SANDY SOIL. ASSOCIATED WITH STIPA PULCHRA, ERODIUM BOTRYS, VULPIA HIRSUTA, AVENA BARBATA, ORTHOCARPUS PURPURASCENS, AND SISYRINCHIUM BELLUM. SITE BURNED IN 2007.

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1992 COLLECTION BY ROBERTS, ET AL. THIS LAND IS NOW PART OF EL TORO NATIONAL WILDLIFE REFUGE.

PLSS: T06S, R08W, Sec. 02, SW (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3726488 E436218
Latitude/Longitude: 33.67639 / -117.68805
Elevation (feet): 620

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

ROB08U0003	ROBERTS, F. - EMAIL TO N. JENSEN WITH INFORMATION ON PENTACHAETA AUREA COLLECTIONS 2008-02-29
ROB08U0004	ROBERTS, F. - SUMMARY OF INFORMATION FOR PENTACHAETA AUREA SSP. ALLENII OCCURRENCES. 2008-03-13
ROB92S0004	ROBERTS, F. ET AL. - ROBERTS #4840 RSA #594885 1992-04-24

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 72093
EO Index: 73025
Key Quad: El Toro (3311766)
Element Code: PDAST6X021
Occurrence Number: 6
Occurrence Last Updated: 2008-08-28

Scientific Name: *Pentachaeta aurea ssp. allenii*
Common Name: Allen's pentachaeta

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1
Other Lists:

CNDDB Element Ranks: **Global:** G4T1
State: S1

General Habitat:
VALLEY AND FOOTHILL GRASSLANDS, COASTAL SCRUB.

Micro Habitat:
OPENINGS IN SCRUB OR GRASSLAND. 75-520 M.

Last Date Observed: 1910-04-17
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1910-04-17
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Decreasing
Presence: Possibly Extirpated

Location:
NEAR HISTORIC EL TORO TRAIN DEPOT.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED NEAR EL TORO CENTERED WHERE ROAD CROSSES RR TRACKS BY CNDDB AS A BEST GUESS.

Ecological:
OPEN DRY MESA.

Threats:

General:
OCCURRENCE KNOWN ONLY FROM A 1903 ABRAMS COLLECTION FROM "NEAR EL TORO," AND A 1910 PAYNE COLLECTION FROM "NEAR DEPOT - EL TORO." THIS AREA HAS BEEN EXTENSIVELY DEVELOPED. OCCURRENCE IS PROBABLY EXTIRPATED.

PLSS: T06S, R08W, Sec. 26 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3720859 E435742
Latitude/Longitude: 33.62559 / -117.69278
Elevation (feet):

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756), El Toro (3311766)

Sources:

ABR03S0032	ABRAMS, L. - ABRAMS #3259 POM #156456, UC #407314 1903-04-17
KEI07A0001	KEIL, D. - PENTACHAETA AUREA SSP. ALLENII (ASTERACEAE) A NEW SUBSPECIES FROM ORANGE COUNTY, CALIFORNIA. MADRONO 54(4): 343-344 2007-XX-XX
PAY10S0001	PAYNE, T. - PAYNE SN UC #146451 1910-04-17
ROB08U0003	ROBERTS, F. - EMAIL TO N. JENSEN WITH INFORMATION ON PENTACHAETA AUREA COLLECTIONS 2008-02-29

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 72095
EO Index: 73027
Key Quad: Black Star Canyon (3311776)
Element Code: PDAST6X021
Occurrence Number: 8
Occurrence Last Updated: 2008-08-28

Scientific Name: *Pentachaeta aurea ssp. allenii*
Common Name: Allen's pentachaeta

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1
Other Lists:

CNDDB Element Ranks: **Global:** G4T1
State: S1

General Habitat:
VALLEY AND FOOTHILL GRASSLANDS, COASTAL SCRUB.

Micro Habitat:
OPENINGS IN SCRUB OR GRASSLAND. 75-520 M.

Last Date Observed: 2003-04-12
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-04-12
Occurrence Rank: Unknown
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:
LIMESTONE CANYON, LIMESTONE CANYON WILDERNESS PARK.

Detailed Location:
EXACT LOCATION UNKNOWN. UNCLEAR WHERE THE COLLECTION WAS TAKEN WITHIN LIMESTONE CANYON. MAPPED BY CNDDB ALONG THE PORTION OF LIMESTONE CANYON THAT BURNED DURING THE BAKER FIRE, BASED ON ALLEN'S NOTE THAT THE SITE BURNED IN 1998.

Ecological:
GENTLE SOUTH-FACING HILLSIDE WITH CASTILLEJA EXSERTA, LINANTHUS DIANTHIFLORUS, ERODIUM SPP, AND INTRODUCED BROMUS. THE AREA BURNED EXTENSIVELY IN 1998.

Threats:

General:
THIS IS THE TYPE LOCALITY. ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2003 COLLECTION BY ALLEN.

PLSS: T05S, R08W, Sec. 10 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3735533 E435194
Latitude/Longitude: 33.75790 / -117.69977
Elevation (feet):

County Summary:	Quad Summary:
Orange	El Toro (3311766), Black Star Canyon (3311776)

Sources:

ALL03S0001	ALLEN, R. - ALLEN SN OBI, CSUF, RSA, UC (CITED IN KEI07A0001) 2003-04-12
KEI07A0001	KEIL, D. - PENTACHAETA AUREA SSP. ALLENII (ASTERACEAE) A NEW SUBSPECIES FROM ORANGE COUNTY, CALIFORNIA. MADRONO 54(4): 343-344 2007-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 55300
EO Index: 55300
Key Quad: Tustin (3311767)
Element Code: PDAST8H060
Occurrence Number: 31
Occurrence Last Updated: 2012-08-15

Scientific Name: *Senecio aphanactis*
Common Name: chaparral ragwort

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 2B.2

CNDDB Element Ranks: **Global:** G3
State: S2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

General Habitat:
CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.

Micro Habitat:
DRYING ALKALINE FLATS. 20-1020 M.

Last Date Observed: 1998-03-11
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-03-11
Occurrence Rank: Unknown
Owner/Manager: UC-IRVINE
Trend: Unknown
Presence: Presumed Extant

Location:
UCI ECOLOGICAL RESERVE; APPROXIMATELY 305 M SOUTHWEST OF LOS TRANCOS DR AND 92 M NORTH OF HIGHWAY 73.

Detailed Location:
LOCATED ON THE 303 KNOLL OF THE SW RIDGELINE IN THE RESERVE, JUST ABOVE ROADCUT. MAPPED IN THE NW 1/4 OF THE SW 1/4 OF SECTION 20 ACCORDING TO COORDINATES PROVIDED WITH A 1998 BRAMLET COLLECTION.

Ecological:
ROCKY OUTCROPS OF A W-FACING SLOPE. OPENINGS IN COASTAL SAGE. ASSOC W/ BROMUS MADRITENSIS SSP. RUBENS, DUDLEYA MULTICAULIS, CRASSULA CONNATA, PLAGIOBOTHRYS COLLINUS CALIFORNICUS, LAMARCKIA AUREA, ARTEMISIA CALIFORNICA, VULPIA MYUROS, ETC.

Threats:

General:
MAIN SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1998 COLLECTION BY BRAMLET. TWO 1978 COLLECTIONS BY MARSH FROM "UCI ECOLOGICAL PRESERVE: HILL #1" ARE ALSO ATTRIBUTED TO THIS OCCURRENCE.

PLSS: T06S, R09W, Sec. 20, SW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3721898 E421418
Latitude/Longitude: 33.63401 / -117.84730
Elevation (feet): 300

County Summary:
Orange

Quad Summary:
Tustin (3311767)

Sources:

BRA98S0019	BRAMLET, D. - BRAMLET #2577 RSA #626140 1998-03-11
MAR78S0003	MARSH, K. - MARSH SN UCSB #56506 1978-10-24
MAR78S0004	MARSH, K. - MARSH SN RSA #450849, IRVC #16240 1978-03-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 86504
Key Quad: El Toro (3311766)
Occurrence Number: 40
EO Index: 87542
Element Code: PDAST8H060
Occurrence Last Updated: 2012-09-06

Scientific Name: *Senecio aphanactis*
Common Name: chaparral ragwort

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3
State: S2
Rare Plant Rank: 2B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

General Habitat:
CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.

Micro Habitat:
DRYING ALKALINE FLATS. 20-1020 M.

Last Date Observed: 1989-03-07
Last Survey Date: 1989-03-07
Owner/Manager: UNKNOWN
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
LOMA RIDGE, TRIBUTARY TO HICKS CANYON, 2.1 KM WEST OF BEE SURVEY MARKER.

Detailed Location:
MAPPED BY CNDDB ACCORDING TO UTM COORDINATES PROVIDED WITH A 1989 ROBERTS COLLECTION; DATUM UNKNOWN; MAPPED USING NAD27 SINCE COORDINATES WERE LIKELY DERIVED USING AN OLD TOPOGRAPHIC MAP.

Ecological:
XERIC BARREN ON N-FACING SLOPE MARGINS OF GULLY IN NATIVE GRASSLAND, SANDY CLAY SOIL. ASSOCIATED WITH PLANTAGO ERECTA, DICHELOSTEMMA PULCHELLUM, STIPA PULCHRA, AND HYPOCHOERIS GLABRA.

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1989 COLLECTION BY ROBERTS; PLANTS NOTED AS "LOCAL, FREQUENT." NEEDS FIELDWORK.

PLSS: T05S, R08W, Sec. 21, N (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3732497 E433068
Latitude/Longitude: 33.73039 / -117.72249
Elevation (feet): 600

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:
ROB89S0009 ROBERTS, F. - ROBERTS #4200 RSA #539420 1989-03-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02770	**EO Index:**	15233
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	PDAST9R050
Occurrence Number:	1	**Occurrence Last Updated:**	2016-09-27

Scientific Name: *Verbesina dissita*

Common Name: big-leaved crownbeard

Listing Status: **Federal:** Threatened

State: Threatened

Rare Plant Rank: 1B.1

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

CNDDB Element Ranks: **Global:** G1G2

State: S1

General Habitat:

CHAPARRAL, COASTAL SCRUB.

Micro Habitat:

STEEP, ROCKY, PRIMARILY NORTH-FACING SLOPES WITHIN 1.5 MILES OF THE OCEAN, IN GRAVELLY SOILS. 150-245 M.

Last Date Observed:	2016-04-10	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2016-04-10	**Occurrence Rank:**	Good
Owner/Manager:	PVT, ORA COUNTY, LAGUNA BEACH	**Trend:**	Decreasing
Presence:	Presumed Extant		

Location:

VICINITY OF GOFF RIDGE AND NIGUEL HILL, LAGUNA BEACH.

Detailed Location:

BOTH SIDES OF ALISO CYN AND HOBO CYN. FROM DEL MAR AVE SOUTH TO SOUTH LAGUNA. MAPPED BY CNDDB AS SEVERAL POLYGONS BASED ON MANY MAP SOURCES. NEED MAP DETAIL FOR MOULTON MEADOWS PARK.

Ecological:

IN MARITIME CHAPARRAL ASSOCIATED WITH CNEORIDIUM DUMOSUM, CEANOTHUS MEGACARPUS, RHUS INTEGRIFOLIA, RHAMNUS CROCEA, ERIOGONUM FASCICULATUM, SALVIA MELLIFERA. OFTEN ON STEEP, ROCKY, SHADED, NORTH-FACING SLOPES. IN LESSER AMOUNT ON DRY RIDGES.

Threats:

URBANIZATION, FUEL REDUCTION/MODIFICATION, NON-NATIVE WEEDS, EROSION, & TRAMPLING. MANY PLANTS REMOVED FOR HOUSING.

General:

POPULATION NUMBERS FOR PARTS OF OCC: ~500 IN 1985, >900,000 STEMS IN 1991, 20 AT 1 SITE IN 2001, 146+ SEEN IN 2002, 4532 SEEN IN 2004/2005, SEEN IN 2011, 100+ IN 2012, ~250 IN 2014, 100S IN 2015, <50 IN 2016. INCLUDES FORMER EOS #2 & 4.

PLSS:	T07S, R08W, Sec. 31 (S)	**Accuracy:**	specific area	**Area (acres):**	273
UTM:	Zone-11 N3708831 E430648	**Latitude/Longitude:**	33.5168 / -117.74677	**Elevation (feet):**	500

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

ANO01F0001	ANONYMOUS - FIELD SURVEY FORM FOR VERBESINA DISSITA 2001-XX-XX
ARV09S0001	ARVIZU, V. & D. GAULT - ARVIZU #7 UCR #215245, RSA #748906 2009-07-09
BRA03S0008	BRADSHAW, M. - BRADSHAW SN UC #52267 1903-05-XX
CNP09U0001	CALIFORNIA NATIVE PLANT SOCIETY - ORANGE COUNTY - OBSERVATION RECORD FOR VERBESINA DISSITA, CALFLORA ID #CE260 2009-09-08
HER14F0002	HERTZ, D. - FIELD SURVEY FORM FOR VERBESINA DISSITA 2014-06-12
HOO68S0020	HOOVER, R. - HOOVER #11171 CAS #538427, OBI #15352 1968-06-10
KEE14U0014	KEELAN, B. & E. KEELAN - OBSERVATION RECORD FOR VERBESINA DISSITA, CALFLORA ID: WB1337-266 2014-06-13
LEA08F0007	LEATHERMAN, S. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR VERBESINA DISSITA 2008-05-20
LEA11F0001	LEATHERMAN, S. - FIELD SURVEY FORM FOR VERBESINA DISSITA 2011-04-01
LEA11S0001	LEATHERMAN, S. & B. LEATHERMAN - LEATHERMAN #2011-1 RSA #777841 2011-04-01

LSA00R0003	LSA ASSOCIATES, INC. - BIOLOGICAL RESOURCES ASSESSMENT, DRIFTWOOD ESTATES- LAGUNA BEACH PROJECT 2000-08-17
MAR83F0002	MARSH, K. - FIELD SURVEY FORM FOR VERBESINA DISSITA 1983-06-27
MAR83S0002	MARSH, K. - MARSH SN IRVC #19527 1983-01-14
MAR83S0003	MARSH, K. - MARSH SN IRVC #19528 1983-01-14
MAR83S0004	MARSH, K. - MARSH SN IRVC #19506 1983-06-09
MAR83S0005	MARSH, K. - MARSH SN IRVC #19507 1983-06-09
MAR85S0002	MARSH, K. - MARSH SN IRVC #22023 1985-05-22
MAR85S0003	MARSH, K. - MARSH SN IRVC #22024 1985-05-22
MBA95R0002	BOMKAMP, T. - LAGUNA BEACH BOTANICAL RESOURCES INVENTORY: RARE PLANT SURVEYS FOR SOUTH LAGUNA FUEL MODIFICATION ZONE 1995-06-21
NOL03S0002	NOLL, R. - NOLL SN UCR #128324 2003-06-24
NOR07F0001	NORTON, S. (MICHAEL BRANDMAN ASSOCIATES) - FIELD SURVEY FORM FOR VERBESINA DISSITA 2007-10-23
ROB00F0028	ROBERTS, F. - FIELD SURVEY FORM FOR VERBESINA DISSITA 2000-05-11
ROB02F0003	ROBERTS, F. - FIELD SURVEY FORM FOR VERBESINA DISSITA 2002-08-01
ROB02R0002	ROBERTS, F. - BIG-LEAVED CROWN-BEARD (VERBESINA DISSITA) SURVEY FOR 591 BALBOA, CITY OF LAGUNA BEACH. 2002-08-08
ROB02S0002	ROBERTS, F. & L. SONG - ROBERTS #5528 RSA #678520 2002-08-01
ROB02S0003	ROBERTS, F. - ROBERTS #5527 RSA #678521, UCR #125976 2002-08-01
ROB05F0012	ROBB, L. ET AL. (PCR SERVICES CORPORATION) - FIELD SURVEY FORM FOR VERBESINA DISSITA 2005-06-28
ROB06S0012	ROBERTS, F. - ROBERTS #6395 RSA #716090 2006-07-27
ROB08U0002	ROBERTS, F. - CALIFORNIA NATURAL DIVERSITY DATABASE: ERRORS AND CORRECTIONS, PART 1. 2008-02-XX
ROB10U0002	ROBERTS, F. - OCCURRENCE MODIFICATION REPORT FOR VERBESINA DISSITA EO #4 2010-01-13
ROB11U0004	ROBERTS, F. - A REVIEW OF VERBESINA DISSITA RECORDS IN ORANGE COUNTY, CALIFORNIA, PRELIMINARY REPORT DECEMBER 2010, REVISED JUNE 2011. 2011-06-XX
ROB15F0003	ROBERTS, F. - FIELD SURVEY FORM FOR VERBESINA DISSITA 2015-03-10
ROB85F0004	ROBERTS, F. - FIELD SURVEY FORM FOR VERBESINA DISSITA 1985-07-18
ROB85S0002	ROBERTS, F. - ROBERTS #2052 IRVC #23290 1985-07-18
ROB86S0004	ROBERTS, F. - ROBERTS #3046 IRVC #25019 1986-08-19
ROB87S0003	ROBERTS, F. - ROBERTS #3367 IRVC #25426 1987-04-13
ROB87S0006	ROBERTS, F. - ROBERTS #3275 IRVC? (CITED IN ROB11U0004) 1987-03-24
ROB88R0001	ROBERTS, F. - PROPOSAL TO LIST VERBESINA DISSITA AS THREATENED 1988-04-29
ROB88U0001	ROBERTS, F. - RECORD OF PHONE CONVERSATION REGARDING LOCATIONS AND STATUS OF NIGUEL HILL SUBPOPULATIONS OF VERBESINA DISSITA 1988-06-27
ROB91F0032	ROBERTS, F. - FIELD SURVEY FORM FOR VERBESINA DISSITA 1991-05-30
ROB91F0035	ROBERTS, F. - FIELD SURVEY FORM FOR VERBESINA DISSITA 1991-04-XX
ROB91F0036	ROBERTS, F. - FIELD SURVEY FORM FOR VERBESINA DISSITA 1991-04-XX
RUD15F0006	RUDALEVIGE, A. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR VERBESINA DISSITA 2015-03-25
TAN08F0001	TANAKA, M. (PCR SERVICES CORPORATION) - FIELD SURVEY FORM FOR VERBESINA DISSITA 2008-11-14
VAN11I0001	VANDERHOFF, R. - PHOTO OF VERBESINA DISSITA, CALPHOTOS ID: 0000 0000 0116 0063 2011-05-15
VAN11U0001	VANDERHOFF, R. - OBSERVATION RECORD FOR VERBESINA DISSITA, CALFLORA ID #OE2086 2011-05-12
VAN12U0008	VANDERHOFF, R. - OBSERVATION RECORD FOR VERBESINA DISSITA, CALFLORA ID: OE3063 2012-01-08
VAN13I0001	VANDERHOFF, R. - PHOTO OF VERBESINA DISSITA, CALPHOTOS ID: 0000 0000 0116 0062 2013-01-17
VAN14I0002	VANDERHOFF, R. - PHOTO OF VERBESINA DISSITA, CALPHOTOS ID: 0000 0000 0116 0061 2014-02-09
VAN15I0001	VANDERHOFF, R. - PHOTO OF VERBESINA DISSITA, CALPHOTOS ID: 0000 0000 0116 0060 2015-11-22
VAN16U0005	VANDERHOFF, R. - OBSERVATION RECORDS FOR VERBESINA DISSITA, CALFLORA ID: PO14883 & PO14485 2016-04-10
WALNDM0002	WALL, M. - MAP OF VERBESINA DISSITA XXXX-XX-XX
WHI02F0001	WHITE, S. - FIELD SURVEY FORM FOR VERBESINA DISSITA 2002-06-20

WHI02S0001	WHITE, S. - WHITE #8790 RSA #688917, UCR #144751 2002-06-20
WHI02U0002	WHITE, S. - LETTER REGARDING RARE PLANT SURVEY, CITY OF LAGUNA BEACH 2002-06-25
WHI05S0014	WHITE, S. & J. JONES - WHITE #10971 RSA #709699, SD #187371, UCR #169912 2005-04-26
WHI08F0061	WHITE, S. (SCOTT WHITE BIOLOGICAL CONSULTING) - FIELD SURVEY FORM FOR VERBESINA DISSITA 2008-04-29
WHI08S0021	WHITE, S. ET AL. - WHITE #11918 RSA #736122 2008-04-29

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63725
EO Index: 63820
Key Quad: San Juan Capistrano (3311756)
Element Code: PDAST9R050
Occurrence Number: 3
Occurrence Last Updated: 2016-09-15

Scientific Name: *Verbesina dissita*
Common Name: big-leaved crownbeard

Listing Status: **Federal:** Threatened
State: Threatened
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

CNDDB Element Ranks: **Global:** G1G2
State: S1

General Habitat:

CHAPARRAL, COASTAL SCRUB.

Micro Habitat:

STEEP, ROCKY, PRIMARILY NORTH-FACING SLOPES WITHIN 1.5 MILES OF THE OCEAN, IN GRAVELLY SOILS. 150-245 M.

Last Date Observed: 2010-05-17
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2010-05-17
Occurrence Rank: Good
Owner/Manager: ORA COUNTY-ALISO/WOOD CYN RP
Trend: Unknown
Presence: Presumed Extant

Location:

NIGUEL HILL; ALISO SUMMIT TRAIL N OF TRAILHEAD AT JUNCTION OF PACIFIC ISLAND DR & LA BRISE RD, ALISO & WOOD CYN WP.

Detailed Location:

0.25 KM & 0.7 KM BY TRAIL N OF TRAILHEAD AT JCT OF PACIFIC ISLAND DR & LA BRISE RD, CA 1.9 KM NE OF ALISO PEAK. MAPPED AS 2 SMALL POLYS BASED ON A 2010 ROBERTS MAP. PORTIONS OF POP IN POOR HABITAT QUALITY, OTHERS IN EXCELLENT CONDITION.

Ecological:

STEEP, W, NW & N-FACING SLOPES ON THIN, LOAMY SOILS OVER SAN ONOFRE BRECCIA, CHAPARRAL, SOME COASTAL SAGE SCRUB & SLOPES FORMERLY WITH CHAPARRAL NOW THINNED OR CLEARED. IN NATURAL VEG ASSOCIATED WITH CERCOCARPUS MINUTIFLORUS, SALVIA, ETC.

Threats:

HOUSING DEVELOPMENT. PORTIONS OF POP IN FUEL MODIFICATION ZONES. ALSO THREATENED BY TRAIL IMPROVEMENTS & NON-NATIVES.

General:

SEEN BY RIEFNER IN 1997, 2005, 2010. IN 2010, S-MOST POLY HAD 23 CLUMPS (~16 SQ METERS) MOSTLY WITHIN FUEL MODIFICATION ZONE; N-MOST POLY HAD ~250 SQ METERS OF PLANTS OF VARYING DENSITY MOSTLY ON SHADED & EXTENDING TO CLEARED SLOPES.

PLSS: T07S, R08W, Sec. 33, W (S)
Accuracy: specific area
Area (acres): 2
UTM: Zone-11 N3709236 E432356
Latitude/Longitude: 33.52056 / -117.72841
Elevation (feet): 800

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

RIE10F0001	RIEFNER, R. - FIELD SURVEY FORM FOR VERBESINA DISSITA 2010-05-17
RIE10S0005	RIEFNER, R. - RIEFNER #10-04 OBI #74733 2010-05-17
RIE10S0006	RIEFNER, R. - RIEFNER #10-08 UCR #238458, RSA #765881 2010-05-17
RIE97S0002	RIEFNER, R. - RIEFNER #150 RSA #599427 1997-04-24
ROB10F0001	ROBERTS, F. - FIELD SURVEY FORM FOR VERBESINA DISSITA 2010-02-25

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 60500
EO Index: 60536
Key Quad: Tustin (3311767)
Element Code: PDASTE80C0
Occurrence Number: 22
Occurrence Last Updated: 2010-05-05

Scientific Name: *Symphyotrichum defoliatum*
Common Name: San Bernardino aster

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
USFS_S-Sensitive
CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:

MEADOWS AND SEEPS, CISMONTANE WOODLAND, COASTAL SCRUB, LOWER MONTANE CONIFEROUS FOREST, MARSHES AND SWAMPS, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

VERNALLY MESIC GRASSLAND OR NEAR DITCHES, STREAMS AND SPRINGS; DISTURBED AREAS. 3-2045 M.

Last Date Observed: 1927-11-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1927-11-10
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Extirpated

Location:

1 MI SOUTH OF TUSTIN.

Detailed Location:

MAPPED BY CNDDB AS BEST GUESS 1 RD MI S OF TUSTIN ALONG THE NEWPORT FREEWAY.

Ecological:

SWAMPY ROADSIDE.

Threats:

SITE PRESUMED EXTIRPATED; AREA HAS BEEN HEAVILY DEVELOPED SINCE THE EARLY 1900S.

General:

SITE BASED ON A 1927 REED COLLECTION. A 1918 JOHNSTON COLLECTION FROM "BETWEEN EL TORO AND TUSTIN" IS ALSO ATTRIBUTED HERE.

PLSS: T05S, R09W, Sec. 20 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3732001 E422590
Latitude/Longitude: 33.72520 / -117.83554
Elevation (feet):

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

JOH18S0009 JOHNSTON, I. - JOHNSTON #669 POM #4779 1918-05-05

REE27S0001 REED, F. - REED #5634 POM #146199 UCR #92392 1927-11-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 78714
Key Quad: Newport Beach (3311768)
Occurrence Number: 72
EO Index: 79623
Element Code: PDASTE80C0
Occurrence Last Updated: 2010-04-27

Scientific Name: *Symphyotrichum defoliatum*
Common Name: San Bernardino aster

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G2
State: S2
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
USFS_S-Sensitive

General Habitat:

MEADOWS AND SEEPS, CISMONTANE WOODLAND, COASTAL SCRUB, LOWER MONTANE CONIFEROUS FOREST, MARSHES AND SWAMPS, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

VERNALLY MESIC GRASSLAND OR NEAR DITCHES, STREAMS AND SPRINGS; DISTURBED AREAS. 3-2045 M.

Last Date Observed: 1924-08-29
Last Survey Date: 1924-08-29
Owner/Manager: UNKNOWN
Presence: Extirpated
Occurrence Type: Natural/Native occurrence
Occurrence Rank: None
Trend: Unknown

Location:

4 MILES S OF SANTA ANA.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS ~4 AIR MILES S OF SANTA ANA.

Ecological:

AMONG TULES IN ROADSIDE DITCH.

Threats:

SITE PRESUMED EXTIRPATED BY DEVELOPMENT; AREA HAS BEEN HIGHLY URBANIZED SINCE 1924.

General:

SITE BASED ON TWO 1924 COLLECTIONS.

PLSS: T06S, R10W, Sec. 01 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3727826 E418555
Latitude/Longitude: 33.68724 / -117.87871
Elevation (feet):

County Summary:	Quad Summary:
Orange	Tustin (3311767), Newport Beach (3311768)

Sources:

JOH24S0010 JOHNSTON, I. - JOHNSTON SN POM #47595 1924-08-29
PEI24S0031 PEIRSON, F. - PEIRSON #5065 RSA #93352 1924-08-29

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02533
EO Index: 79625
Key Quad: Newport Beach (3311768)
Element Code: PDASTE80C0
Occurrence Number: 73
Occurrence Last Updated: 2010-04-27

Scientific Name: *Symphyotrichum defoliatum*
Common Name: San Bernardino aster

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
USFS_S-Sensitive
CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:

MEADOWS AND SEEPS, CISMONTANE WOODLAND, COASTAL SCRUB, LOWER MONTANE CONIFEROUS FOREST, MARSHES AND SWAMPS, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

VERNALLY MESIC GRASSLAND OR NEAR DITCHES, STREAMS AND SPRINGS; DISTURBED AREAS. 3-2045 M.

Last Date Observed: 1933-10-08
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1933-10-08
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

NEAR NEWPORT BAY.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS AROUND UPPER NEWPORT BAY.

Ecological:

Threats:

General:

ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1933 HOFFMASTER COLLECTION. NEEDS FIELDWORK.

PLSS: T06S, R10W, Sec. 23 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3722596 E417561
Latitude/Longitude: 33.64001 / -117.88895
Elevation (feet):

County Summary:

Orange

Quad Summary:

Tustin (3311767), Newport Beach (3311768)

Sources:

HOF33S0002 HOFFMASTER, K. - HOFFMASTER #1046 RSA #699721 1933-10-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 85274
EO Index: 86295
Key Quad: El Toro (3311766)
Element Code: PDBRA1M114
Occurrence Number: 132
Occurrence Last Updated: 2012-03-01

Scientific Name: *Lepidium virginicum var. robinsonii*
Common Name: Robinson's pepper-grass

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 4.3
Other Lists:

CNDDB Element Ranks: **Global:** G5T3
State: S3

General Habitat:
CHAPARRAL, COASTAL SCRUB.

Micro Habitat:
DRY SOILS, SHRUBLAND. 4-1435 M.

Last Date Observed: 2008-06-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-06-05
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
LOMA RIDGE, EAST FORK RATTLESNAKE CANYON, ~2.2 KM (1.4 MI) ENE RATTLESNAKE RESERVOIR SPILLWAY AND 2.3 KM WNW BEE PEAK.

Detailed Location:
EXACT LOCATION UNKNOWN, MAPPED BY CNDDB AS A BEST GUESS BASED ON LOCATION DESCRIPTION AND ELEVATION GIVEN ON COLLECTION LABEL.

Ecological:
SOUTHEAST-FACING SLOPE ON ROCKY, SILTY CLAY IN COASTAL SAGE SCRUB BURNED IN OCTOBER 2007. ASSOCIATED WITH CALYSTEGIA MACROSTEGIA, ERIOGONUM FASCICULATUM, MELICA IMPERFECTA, CALOCHORTUS WEEDII, AND SALVIA APIANA.

Threats:

General:
MAIN SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2008 COLLECTION BY ROBERTS, PLANTS NOTED AS "SCARCE." A 1989 MARSH COLLECTION FROM "LOMAS RIDGE, RIDGE BETWEEN HICKS AND RATTLESNAKE CANYONS" IS ALSO ATTRIBUTED TO THIS OCCURRENCE.

PLSS: T05S, R08W, Sec. 16 (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3733308 E433184
Latitude/Longitude: 33.73771 / -117.72130
Elevation (feet): 660

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

MAR89S0001	MARSH, K. - MARSH SN IRVC #24787 1989-03-04
ROB08S0002	ROBERTS, F. - ROBERTS #7033 RSA #773551 2008-06-05

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 85275
EO Index: 86296
Key Quad: El Toro (3311766)
Element Code: PDBRA1M114
Occurrence Number: 133
Occurrence Last Updated: 2012-03-01

Scientific Name: *Lepidium virginicum var. robinsonii*
Common Name: Robinson's pepper-grass

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 4.3
Other Lists:

CNDDB Element Ranks: **Global:** G5T3
State: S3

General Habitat:
CHAPARRAL, COASTAL SCRUB.

Micro Habitat:
DRY SOILS, SHRUBLAND. 4-1435 M.

Last Date Observed: 2008-05-20
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-05-20
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
MOUTH OF HANGMAN TREE CANYON JUST ABOVE CONFLUENCE WITH SANTIAGO CREEK CANYON, ~0.5 MI N OF MODJESKA CANYON CONFLUENCE.

Detailed Location:
MAPPED AS BEST GUESS BY CNDDB ON WEST SIDE OF SANTIAGO CANYON AT MOUTH OF HANGMANS TREE ROAD CANYON.

Ecological:
MOSTLY ON DRY S-FACING SLOPE ABOVE OAKS, BUT A FEW IN COAST LIVE OAK FOREST GROVE. AREA BURNED IN OCTOBER 2007, BUT OAKS MOSTLY SURVIVED.

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2008 COLLECTION BY SANDERS & PROVANCE; PLANTS NOTED AS "COMMON."

PLSS: T05S, R07W, Sec. 19, S (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3731337 E439702
Latitude/Longitude: 33.72032 / -117.65080
Elevation (feet): 1,200

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:
SAN08S0026 SANDERS, A. & M. PROVANCE - SANDERS #35402 UCR #193015 2008-05-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 85276
EO Index: 86297
Key Quad: Tustin (3311767)
Element Code: PDBRA1M114
Occurrence Number: 134
Occurrence Last Updated: 2012-03-01

Scientific Name: *Lepidium virginicum var. robinsonii*
Common Name: Robinson's pepper-grass

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 4.3
Other Lists:

CNDDB Element Ranks: **Global:** G5T3
State: S3

General Habitat:
CHAPARRAL, COASTAL SCRUB.

Micro Habitat:
DRY SOILS, SHRUBLAND. 4-1435 M.

Last Date Observed: 2003-01-26
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-01-26
Occurrence Rank: Unknown
Owner/Manager: UC-IRVINE
Trend: Unknown
Presence: Presumed Extant

Location:
UC IRVINE OPEN SPACE PRESERVE, BETWEEN CORE OF UCI CAMPUS (E PELTASON DR) AND HWY 73.

Detailed Location:
NE SIDE OF PRESERVE. MAPPED AS BEST GUESS BY CNDDB IN VICINITY OF GIVEN ELEVATION RANGE OF 150-225 FT.

Ecological:
HILLY, NW-FACING DRAINAGES ON HILL. VOLCANIC AND SANDSTONE OUTCROPS. COASTAL SAGE SCRUB WITH ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, OPUNTIA LITTORALIS, ETC.

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2003 COLLECTION BY ELVIN; PLANTS NOTED AS "COMMON."

PLSS: T06S, R09W, Sec. 20 (S)
Accuracy: 2/5 mile
Area (acres): 0
UTM: Zone-11 N3722312 E421505
Latitude/Longitude: 33.63774 / -117.84640
Elevation (feet): 200

County Summary:
Orange

Quad Summary:
Tustin (3311767)

Sources:
ELV03S0017 ELVIN, M. - ELVIN #2245 UCR #222386 2003-01-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 66320
EO Index: 109471
Key Quad: Tustin (3311767)
Element Code: PDBRA270V0
Occurrence Number: 17
Occurrence Last Updated: 2017-12-20

Scientific Name: *Nasturtium gambelii*
Common Name: Gambel's water cress

Listing Status: **Federal:** Endangered
State: Threatened
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_SBBG-Santa Barbara Botanic Garden

CNDDB Element Ranks: **Global:** G1
State: S1

General Habitat:
MARSHES AND SWAMPS.

Micro Habitat:
FRESHWATER AND BRACKISH MARSHES AT THE MARGINS OF LAKES AND ALONG STREAMS, IN OR JUST ABOVE THE WATER LEVEL. 5-305 M.

Last Date Observed: 1927-06-13
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1927-06-13
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Extirpated

Location:
SANTA ANA.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS CENTERED ON SANTA ANA.

Ecological:

Threats:
THIS AREA HAS BEEN HEAVILY DEVELOPED SINCE 1927; PROBABLY EXTIRPATED.

General:
ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1927 HOFFMASTER COLLECTION. PRESUMABLY EXTIRPATED.

PLSS: T05S, R09W, Sec. 18 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3734300 E419616
Latitude/Longitude: 33.74572 / -117.86785
Elevation (feet):

County Summary:
Orange

Quad Summary:
Tustin (3311767), Newport Beach (3311768), Orange (3311777), Anaheim (3311778)

Sources:
HOF27S0040 HOFFMASTER, K. - HOFFMASTER SN RSA #818335 1927-06-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21719
EO Index: 8410
Key Quad: Laguna Beach (3311757)
Element Code: PDCHE02010
Occurrence Number: 14
Occurrence Last Updated: 2009-06-15

Scientific Name: *Aphanisma blitoides*
Common Name: aphanisma

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

CNDDB Element Ranks: **Global:** G3G4
State: S2

General Habitat:
COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB.

Micro Habitat:
ON BLUFFS AND SLOPES NEAR THE OCEAN IN SANDY OR CLAY SOILS. 3-305 M.

Last Date Observed: 1932-03-08
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1932-03-08
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
LAGUNA BEACH, ALONG BLUFF AT ARCH BEACH.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS ALONG ARCH BEACH.

Ecological:
IN GRASS ON BEACH BLUFF.

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1932 REED COLLECTION. NEEDS FIELDWORK.

PLSS: T07S, R09W, Sec. 36, E (S)
Accuracy: non-specific area
Area (acres): 13
UTM: Zone-11 N3709432 E428951
Latitude/Longitude: 33.52211 / -117.76509
Elevation (feet): 50

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
REE32S0003 REED, F. - REED #7246 POM #219101 1932-03-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 22500
EO Index: 16596
Key Quad: Laguna Beach (3311757)
Element Code: PDCHE02010
Occurrence Number: 24
Occurrence Last Updated: 2009-06-29

Scientific Name: *Aphanisma blitoides*
Common Name: aphanisma

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4
State: S2

Rare Plant Rank: 1B.2
Other Lists: SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:
COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB.

Micro Habitat:
ON BLUFFS AND SLOPES NEAR THE OCEAN IN SANDY OR CLAY SOILS. 3-305 M.

Last Date Observed: 1926-04-15
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1926-04-15
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
2 MILES NW OF LAGUNA BEACH.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS APPROXIMATELY 2 MILES NW OF LAGUNA BEACH, ALONG STATE HWY 1 (VICINITY OF EMERALD BAY).

Ecological:

Threats:

General:
MAIN SOURCE OF INFORMATION FOR THIS SITE IS A 1926 MUNZ COLLECTION. NEEDS FIELDWORK.

PLSS: T07S, R09W, Sec. 22 (S)
Accuracy: non-specific area
Area (acres): 51
UTM: Zone-11 N3712853 E425084
Latitude/Longitude: 33.55269 / -117.80702
Elevation (feet): 10

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

MUN26S0020	MUNZ, P. - MUNZ SN RSA #18427 1926-03-31
MUN26S0021	MUNZ, P. - MUNZ #10823 POM #96035 1926-04-15

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B4519
EO Index: 117452
Key Quad: Laguna Beach (3311757)
Element Code: PDCHE02010
Occurrence Number: 81
Occurrence Last Updated: 2019-12-12

Scientific Name: *Aphanisma blitoides*
Common Name: aphanisma

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2

CNDDB Element Ranks: **Global:** G3G4
State: S2
Other Lists: SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:
COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB.

Micro Habitat:
ON BLUFFS AND SLOPES NEAR THE OCEAN IN SANDY OR CLAY SOILS. 3-305 M.

Last Date Observed: 2019-05-12
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2019-05-12
Occurrence Rank: Unknown
Owner/Manager: DPR-CRYSTAL COVE SP
Trend: Unknown
Presence: Presumed Extant

Location:
CRYSTAL COVE STATE PARK, ON BLUFFS BETWEEN CRYSTAL COVE AND REEF POINT.

Detailed Location:
2 POLYGONS MAPPED ACCORDING TO 2017 BAILEY COORDINATES AND 2019 VANDERHOFF COORDINATES.

Ecological:
PATCHES SPRAWLING OVER COASTAL BLUFF SCRUB.

Threats:

General:
SEEN IN NORTHWESTERN POLYGON IN 2017. 11-50 PLANTS SEEN IN SOUTHEASTERN POLYGON IN 2019.

PLSS: T07S, R09W, Sec. 17 (S)
Accuracy: specific area
Area (acres): 1
UTM: Zone-11 N3714856 E422321
Latitude/Longitude: 33.57056 / -117.83696
Elevation (feet): 50

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

BAI19U0004 BAILEY, J. - OBSERVATIONS OF APHANISMA BLITOIDES BY JAMES BAILEY FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2019-12-09. 2019-04-25

VAN19U0006 VANDERHOFF, R. - OBSERVATION RECORD FOR APHANISMA BLITOIDES, CALFLORA ID: GP15788 2019-05-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	B4521	**EO Index:**	117454
Key Quad:	Laguna Beach (3311757)	**Element Code:**	PDCHE02010
Occurrence Number:	82	**Occurrence Last Updated:**	2019-12-12

Scientific Name: *Aphanisma blitoides*

Common Name: aphanisma

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G3G4

State: S2

Rare Plant Rank: 1B.2

Other Lists: SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:

COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB.

Micro Habitat:

ON BLUFFS AND SLOPES NEAR THE OCEAN IN SANDY OR CLAY SOILS. 3-305 M.

Last Date Observed:	2019-05-12	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2019-05-12	**Occurrence Rank:**	Unknown
Owner/Manager:	DPR-CRYSTAL COVE SP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

CRYSTAL COVE STATE PARK, FROM CRYSTAL COVE NW TO PELICAN POINT.

Detailed Location:

7 POLYGONS MAPPED ACCORDING TO 2017-2019 COORDINATES FROM BAILEY, ETCHISON, AND VANDERHOFF.

Ecological:

ROCKY OUTCROP/CLIFF, BEACH/DUNE. PATCHES SPRAWLING OVER COASTAL BLUFF SCRUB.

Threats:

General:

POPULATION NUMBERS FOR PORTIONS OF OCCURRENCE: 100+ PLANTS SEEN IN 2017, UNKNOWN NUMBER SEEN IN 2018, 300+ PLANTS SEEN IN 2019.

PLSS:	T07S, R09W, Sec. 8 (S)	**Accuracy:**	specific area	**Area (acres):**	6
UTM:	Zone-11 N3715762 E421191	**Latitude/Longitude:**	33.57865 / -117.84922	**Elevation (feet):**	50

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

BAI17U0004	BAILEY, J. - OBSERVATION RECORD FOR APHANISMA BLITOIDES, CALFLORA ID: PO59945 2017-03-09
BAI19U0004	BAILEY, J. - OBSERVATIONS OF APHANISMA BLITOIDES BY JAMES BAILEY FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2019-12-09. 2019-04-25
ETC19U0003	ETCHISON, D. - OBSERVATION RECORD FOR APHANISMA BLITOIDES, CALFLORA ID: PO132228 2019-05-12
ETC19U0004	ETCHISON, D. - OBSERVATION RECORD FOR APHANISMA BLITOIDES, CALFLORA ID: PO132230 2019-05-12
ETC19U0005	ETCHISON, D. - OBSERVATION RECORD FOR APHANISMA BLITOIDES, CALFLORA ID: PO132233 2019-05-12
VAN19U0007	VANDERHOFF, R. - OBSERVATION RECORD FOR APHANISMA BLITOIDES, CALFLORA ID: GP15790 2019-05-12
VAN19U0008	VANDERHOFF, R. - OBSERVATION RECORD FOR APHANISMA BLITOIDES, CALFLORA ID: GP15792 2019-05-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02534
EO Index: 19565
Key Quad: Newport Beach (3311768)
Element Code: PDCHE040E0
Occurrence Number: 2
Occurrence Last Updated: 2009-02-04

Scientific Name: *Atriplex coulteri*
Common Name: Coulter's saltbush

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G3
State: S2

General Habitat:
COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
OCEAN BLUFFS, RIDGETOPS, AS WELL AS ALKALINE LOW PLACES. ALKALINE OR CLAY SOILS. 2-460 M.

Last Date Observed: 1932-05-18
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1932-05-18
Occurrence Rank: Unknown
Owner/Manager: DFG-UPPER NEWPORT BAY ER
Trend: Unknown
Presence: Presumed Extant

Location:
NEWPORT BAY.

Detailed Location:
MAPPED AT CNDDB AT UPPER NEWPORT BAY DUE TO PLANT'S HABITAT REQUIREMENTS.

Ecological:

Threats:

General:
BOTH ATRIPLEX COULTERI AND A. PACIFICA MAPPED HERE BASED ON HISTORIC COLLECTIONS.

PLSS: T06S, R10W, Sec. 23 (S)
Accuracy: non-specific area
Area (acres): 562
UTM: Zone-11 N3722246 E417545
Latitude/Longitude: 33.63685 / -117.88909
Elevation (feet):

County Summary:
Orange

Quad Summary:
Tustin (3311767), Newport Beach (3311768)

Sources:

BOO32S0005 BOOTH, L. - BOOTH #1053 UC #536971, POM #201920 1932-05-18
DAV08S0002 DAVIDSON, A. - DAVIDSON #1800 RSA #452402 1908-05-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 79015
EO Index: 731
Key Quad: Laguna Beach (3311757)
Element Code: PDCHE040E0
Occurrence Number: 13
Occurrence Last Updated: 2010-06-10

Scientific Name: *Atriplex coulteri*
Common Name: Coulter's saltbush

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2

CNDDB Element Ranks: **Global:** G3
State: S2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

General Habitat:
COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
OCEAN BLUFFS, RIDGETOPS, AS WELL AS ALKALINE LOW PLACES. ALKALINE OR CLAY SOILS. 2-460 M.

Last Date Observed: 1918-05-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1918-05-05
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Decreasing
Presence: Presumed Extant

Location:
LAGUNA BEACH, BLUFFS ALONG SEASHORE.

Detailed Location:

Ecological:
COASTAL BLUFFS.

Threats:
EXTENSIVE DEVELOPMENT HAS OCCURRED IN THIS VICINITY.

General:
ONLY SOURCES OF INFORMATION FOR THIS OCCURRENCE ARE TWO COLLECTIONS BY MUNZ AND JOHNSTON FROM 1918.

PLSS: T07S, R09W, Sec. 26 (S)
Accuracy: non-specific area
Area (acres): 132
UTM: Zone-11 N3711691 E427070
Latitude/Longitude: 33.54235 / -117.78553
Elevation (feet):

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

JOH18S0008	JOHNSTON, I. - JOHNSTON #1928 POM #632, DS #108441, CAS-BOT-BC #172635 1918-05-05
MUN18S0001	MUNZ, P. - MUNZ #2178 DS #105779, CAS-BOT-BC #172634 1918-05-05

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 27625
EO Index: 12710
Key Quad: Dana Point (3311746)
Element Code: PDCHE040E0
Occurrence Number: 16
Occurrence Last Updated: 1996-01-26

Scientific Name: *Atriplex coulteri*
Common Name: Coulter's saltbush

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G3
State: S2

General Habitat:

COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

OCEAN BLUFFS, RIDGETOPS, AS WELL AS ALKALINE LOW PLACES. ALKALINE OR CLAY SOILS. 2-460 M.

Last Date Observed: 1903-04-18
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1903-04-18
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

TRABUCO ARROYO NEAR CAPISTRANO.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS A BEST GUESS ALONG TRABUCO CREEK AT SAN JUAN CAPISTRANO.

Ecological:

Threats:

General:

ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1903 COLLECTION BY ABRAMS.

PLSS: T08S, R08W (S)
Accuracy: non-specific area
Area (acres): 66
UTM: Zone-11 N3706598 E438072
Latitude/Longitude: 33.49712 / -117.66668
Elevation (feet): 60

County Summary:

Orange

Quad Summary:

Dana Point (3311746), San Juan Capistrano (3311756)

Sources:

ABR03S0014 ABRAMS, L. - ABRAMS #3270 UC #150079, DS #46521, POM #156676 & #654, GH #376370, SEINET #3402287, NMC #82262, CAS-BOT-BC #172636 1903-04-18

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 73567
EO Index: 733
Key Quad: Laguna Beach (3311757)
Element Code: PDCHE040E0
Occurrence Number: 29
Occurrence Last Updated: 2009-02-11

Scientific Name: *Atriplex coulteri*
Common Name: Coulter's saltbush

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G3
State: S2

General Habitat:

COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

OCEAN BLUFFS, RIDGETOPS, AS WELL AS ALKALINE LOW PLACES. ALKALINE OR CLAY SOILS. 2-460 M.

Last Date Observed: 1988-04-26
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-04-26
Occurrence Rank: Unknown
Owner/Manager: PVT?
Trend: Unknown
Presence: Presumed Extant

Location:

0.4 KM ESE OF THE PELICAN HILL SUMMIT SURVEY MARKER, ON THE SLOPE ABOVE LOS TRANCOS CANYON, EAST OF NEWPORT BEACH.

Detailed Location:

Ecological:

ALONG DIRT ROAD PASSING THROUGH COASTAL SAGE SCRUB. HILLTOP IN SANDY CLAY SOIL. ASSOC WITH ATRIPLEX SEMIBACCATA, HEMIZONIA FASCICULATUM, HORDEUM MURINUM, STIPA PULCHRA, SISYRINCHIUM BELLUM, DUDLEYA MULTICAULIS, DICHONDRA OCCIDENTALIS, ETC.

Threats:

MUCH OF THIS AREA HAS BEEN CONVERTED TO RESIDENTIAL DEVELOPMENT.

General:

PLANTS WERE COMMON AT THIS SITE IN 1988.

PLSS: T07S, R09W, Sec. 05 (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3717263 E422387
Latitude/Longitude: 33.59228 / -117.83645
Elevation (feet): 650

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

BOY81S0001 BOYD, S. - BOYD SN UCR #37775 1981-05-13

ROB88S0006 ROBERTS, F. ET AL. - ROBERTS #3951 RSA #542647 1988-04-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 47855
EO Index: 47855
Key Quad: Tustin (3311767)
Element Code: PDCHE040E0
Occurrence Number: 32
Occurrence Last Updated: 2006-06-22

Scientific Name: *Atriplex coulteri*
Common Name: Coulter's saltbush

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G3
State: S2

General Habitat:

COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

OCEAN BLUFFS, RIDGETOPS, AS WELL AS ALKALINE LOW PLACES. ALKALINE OR CLAY SOILS. 2-460 M.

Last Date Observed: 1998-06-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-06-01
Occurrence Rank: Poor
Owner/Manager: UCNR-SAN JOAQUIN MARSH
Trend: Unknown
Presence: Presumed Extant

Location:

SAN JOAQUIN MARSH RESERVE, UC NATURAL RESERVE SYSTEM, NORTH OF UC IRVINE, WEST OF NEWPORT BEACH.

Detailed Location:

JUST WEST OF THE DUCK PONDS, SOUTHEAST OF INTERSECTION OF MACARTHUR BLVD AND JAMBOREE ROAD. ON A CLAY CAP FROM AN ARTIFICIAL LANDFILL.

Ecological:

ON CLAY CAP FROM ARTIFICIAL LANDFILL ORIGINATING FROM DREDGING OPERATIONS IN NEWPORT BACKBAY. ASSOCIATES INCLUDE SALICORNIA AND ATRIPLEX SPP.

Threats:

SITE WAS GRADED SINCE DETECTION, ADDITIONAL FILL WAS BEING ADDED AS OF AUGUST 1998.

General:

FEWER THAN 25 PLANTS OBSERVED IN 1998. THE RARE ATRIPLEX SERENANA VAR. DAVIDSONII ALSO OCCURS AT THIS SITE, JUST TO THE NE. IS THIS NOW EXTIRPATED?

PLSS: T06S, R09W, Sec. 18, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3724119 E420332
Latitude/Longitude: 33.65395 / -117.85920
Elevation (feet): 50

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

WOL98F0004 WOLF, A. - FIELD SURVEY FORM FOR ATRIPLEX COULTERI 1998-06-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 62212
EO Index: 62248
Key Quad: Canada Gobernadora (3311755)
Element Code: PDCHE040E0
Occurrence Number: 35
Occurrence Last Updated: 2005-08-04

Scientific Name: *Atriplex coulteri*
Common Name: Coulter's saltbush

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G3
State: S2

General Habitat:
COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
OCEAN BLUFFS, RIDGETOPS, AS WELL AS ALKALINE LOW PLACES. ALKALINE OR CLAY SOILS. 2-460 M.

Last Date Observed: XXXX-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: XXXX-XX-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
NEAR THE PRIMA DESHECHA LANDFILL; EAST OF SAN JUAN CAPISTRANO ON HIGHWAY 74.

Detailed Location:

Ecological:

Threats:

General:
NOTE IN 2001 REISER REPORT IS THE ONLY SOURCE FOR THIS SITE. NEEDS FIELDWORK.

PLSS: T07S, R07W, Sec. 33, SW (S)
Accuracy: 2/5 mile
Area (acres): 0
UTM: Zone-11 N3708778 E442377
Latitude/Longitude: 33.51702 / -117.62047
Elevation (feet):

County Summary:
Orange

Quad Summary:
Canada Gobernadora (3311755), San Juan Capistrano (3311756)

Sources:
REI01B0001 REISER, C. - RARE PLANTS OF SAN DIEGO COUNTY 2001-07-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 62213
EO Index: 62249
Key Quad: Laguna Beach (3311757)
Element Code: PDCHE040E0
Occurrence Number: 36
Occurrence Last Updated: 2009-02-13

Scientific Name: *Atriplex coulteri*
Common Name: Coulter's saltbush

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G3
State: S2

General Habitat:

COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

OCEAN BLUFFS, RIDGETOPS, AS WELL AS ALKALINE LOW PLACES. ALKALINE OR CLAY SOILS. 2-460 M.

Last Date Observed: 1998-05-25
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-05-25
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

JUST NORTH OF THE NEWPORT BEACH LIBRARY, WEST OF MCARTHUR BLVD, NEWPORT BEACH.

Detailed Location:

LOCATION GIVEN AS "120 M NORTH OF THE NEWPORT BEACH LIBRARY AND 61M WEST OF MCARTHUR BLVD. 914M SOUTH OF SAN MIGUEL DRIVE." MAPPED BY CNDDB ASSUMING THAT 914M S OF SAN MIGUEL WAS A TYPO, SINCE OTHERWISE THESE DIRECTIONS WOULDN'T MAKE SENSE.

Ecological:

ANNUAL GRASSLAND. FOUND ON MYFORD SANDY LOAM. ASSOCIATED WITH AVENA BARBATA, ERODIUM BOTRYS, BRACHYPODIUM DISTACHYON, ATRIPLEX SEMIBACCATA, HORDEUM INTERCEDENS, FILAGO CALIFORNICA, AND ANAGALLIS ARVENSIS.

Threats:

General:

ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1998 COLLECTION BY BRAMLET.

PLSS: T06S, R10W, Sec. 36, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3719113 E419090
Latitude/Longitude: 33.60871 / -117.87215
Elevation (feet): 160

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

BRA98S0010 BRAMLET, D. - BRAMLET #2628 RSA #655236 1998-05-25

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 73620
EO Index: 74603
Key Quad: Laguna Beach (3311757)
Element Code: PDCHE040E0
Occurrence Number: 52
Occurrence Last Updated: 2009-02-24

Scientific Name: *Atriplex coulteri*
Common Name: Coulter's saltbush

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G3
State: S2

General Habitat:

COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

OCEAN BLUFFS, RIDGETOPS, AS WELL AS ALKALINE LOW PLACES. ALKALINE OR CLAY SOILS. 2-460 M.

Last Date Observed: 1994-04-30
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1994-04-30
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

HEAD OF BOMMER CANYON, NEAR PEAK 1033.

Detailed Location:

APPROXIMATELY 30 METERS NE OF RIDGELINE TRUCK TRAIL.

Ecological:

ROCK OUTCROP. ANNUAL GRASSLAND ON ERODED TERRACE. ASSOCIATED WITH BROMUS MADRITENSIS, B. HORDEACEUS, ERODIUM BOTRYS, SALSOLA TRAGUS, HEMIZONIA FASCICULATA, LASTHENIA CALIFORNICA, MEDICAGO POLYMORPHA, BRASSICA NIGRA, AND ISOCOMA MENZIESII.

Threats:

CALIFORNIA HIGHWAY 73 WAS CUT THROUGH THIS VICINITY AFTER THIS COLLECTION WAS MADE.

General:

20 PLANTS OBSERVED IN 1994.

PLSS: T06S, R09W, Sec. 35, SW (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3718571 E426616
Latitude/Longitude: 33.60437 / -117.79098
Elevation (feet): 970

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

BRA94S0036 BRAMLET, D. - BRAMLET #2377 RSA #580939, UCR #133201 1994-04-30

BRA94S0037 BRAMLET, D. - BRAMLET #2363 RSA #598021 1994-02-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 99023
EO Index: 100546
Key Quad: San Juan Capistrano (3311756)
Element Code: PDCHE040E0
Occurrence Number: 100
Occurrence Last Updated: 2016-02-01

Scientific Name: *Atriplex coulteri*
Common Name: Coulter's saltbush

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G3
State: S2

General Habitat:

COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

OCEAN BLUFFS, RIDGETOPS, AS WELL AS ALKALINE LOW PLACES. ALKALINE OR CLAY SOILS. 2-460 M.

Last Date Observed: 1934-01-14
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1934-01-14
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

ALISO CREEK NEAR LAGUNA.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS AROUND THE PORTION OF ALISO CREEK THAT IS NEAR GIVEN ELEVATION OF 250 FEET.

Ecological:

RICH SOIL OF VALLEY FLOOR.

Threats:

General:

ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1934 WHEELER COLLECTION. NEEDS FIELDWORK.

PLSS: T07S, R08W, Sec. 10 (S)
Accuracy: 1 mile
Area (acres): 1,987
UTM: Zone-11 N3716275 E434242
Latitude/Longitude: 33.58416 / -117.70863
Elevation (feet): 250

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

WHE34S0012 WHEELER, L. - WHEELER #2363 CAS #232856, DS #243003, CAS-BOT-BC #172632 & #172633 1934-01-14

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B1418
EO Index: 113323
Key Quad: Laguna Beach (3311757)
Element Code: PDCHE040E0
Occurrence Number: 116
Occurrence Last Updated: 2018-11-14

Scientific Name: *Atriplex coulteri*
Common Name: Coulter's saltbush

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G3
State: S2

General Habitat:

COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

OCEAN BLUFFS, RIDGETOPS, AS WELL AS ALKALINE LOW PLACES. ALKALINE OR CLAY SOILS. 2-460 M.

Last Date Observed: 2017-04-13
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-04-13
Occurrence Rank: Unknown
Owner/Manager: DPR-CRYSTAL COVE SP
Trend: Unknown
Presence: Presumed Extant

Location:

CRYSTAL COVE STATE PARK; WEST SIDE OF CA-1 APPROXIMATELY 0.25 MILE NW OF THE MOUTH OF MORO CANYON.

Detailed Location:

MAPPED ACCORDING TO 2017 VANDERHOFF COORDINATES. LOCATION DESCRIPTION GIVEN AS "CRYSTAL COVE SP; EL MORO CYN TO ABALONE POINT" BUT COORDINATES PLACE SITE JUST NORTH OF MORO CANYON, NOT BETWEEN MORO CANYON AND ABALONE POINT.

Ecological:

BLUFFTOP OF COAST.

Threats:

General:

FEWER THAN 50 PLANTS OBSERVED IN 2017.

PLSS: T07S, R09W, Sec. 16 (S)
Accuracy: specific area
Area (acres): 1
UTM: Zone-11 N3714049 E423384
Latitude/Longitude: 33.56336 / -117.82544
Elevation (feet): 80

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

VAN17U0007 VANDERHOFF, R. - OBSERVATION RECORD FOR ATRIPLEX COULTERI, CALFLORA ID: PO32038 2017-04-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B1423
Key Quad: Laguna Beach (3311757)
Occurrence Number: 121

EO Index: 113328
Element Code: PDCHE040E0
Occurrence Last Updated: 2018-11-14

Scientific Name: *Atriplex coulteri*
Common Name: Coulter's saltbush

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G3
State: S2

Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

General Habitat:
COASTAL BLUFF SCRUB, COASTAL DUNES, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
OCEAN BLUFFS, RIDGETOPS, AS WELL AS ALKALINE LOW PLACES. ALKALINE OR CLAY SOILS. 2-460 M.

Last Date Observed: 2011-05-07
Last Survey Date: 2011-05-07
Owner/Manager: DPR-CORONA DEL MAR SB
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
SOUTH OF AVOCADO AVENUE OFF OCEAN BLVD, CORONA DEL MAR STATE BEACH, NEWPORT BEACH.

Detailed Location:
MAPPED ACCORDING TO 2011 MANAHAN COORDINATES.

Ecological:
SALINE SOIL.

Threats:

General:
FEWER THAN 20 PLANTS SEEN IN 2011.

PLSS: T07S, R10W, Sec. 1 (S)
UTM: Zone-11 N3717359 E419002

Accuracy: 80 meters
Latitude/Longitude: 33.59289 / -117.87294

Area (acres): 5
Elevation (feet): 10

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
MAN11S0001 MANAHAN, M. - MANAHAN SN UCR #252230 2011-05-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02534
EO Index: 19567
Key Quad: Newport Beach (3311768)
Element Code: PDCHE041C0
Occurrence Number: 13
Occurrence Last Updated: 1996-02-12

Scientific Name: *Atriplex pacifica*
Common Name: south coast saltscale

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G4
State: S2

General Habitat:
COASTAL SCRUB, COASTAL BLUFF SCRUB, PLAYAS, COASTAL DUNES.

Micro Habitat:
ALKALI SOILS. 1-400 M.

Last Date Observed: 1932-06-25
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1932-06-25
Occurrence Rank: Unknown
Owner/Manager: DFG-UPPER NEWPORT BAY ER
Trend: Unknown
Presence: Presumed Extant

Location:
NEWPORT BAY.

Detailed Location:
MAPPED AT CNDDB AT UPPER NEWPORT BAY DUE TO PLANT'S HABITAT REQUIREMENTS.

Ecological:
DRY SANDY SOIL AT ROADSIDE.

Threats:

General:
BOTH ATRIPLEX PACIFICA AND A. COULTERI MAPPED HERE BASED ON COLLECTIONS IN THE SAME YEAR BY DIFFERENT COLLECTORS. 1932 COLLECTION BY BOOTH ATTRIBUTED TO SITE.

PLSS: T06S, R10W, Sec. 23 (S)
Accuracy: non-specific area
Area (acres): 562
UTM: Zone-11 N3722246 E417545
Latitude/Longitude: 33.63685 / -117.88909
Elevation (feet): 5

County Summary:
Orange

Quad Summary:
Tustin (3311767), Newport Beach (3311768)

Sources:

BOO32S0018	BOOTH, L. - BOOTH #1069 JEPS #48895, POM #201898 1932-05-19
ROBNDU0001	ROBERTS, F. - HERBARIUM SEARCHES 199X-XX-XX
WHE32S0004	WHEELER, L. - WHEELER #855 RSA #478340, POM #219183 1932-06-25

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 79015
EO Index: 730
Key Quad: Laguna Beach (3311757)
Element Code: PDCHE041C0
Occurrence Number: 14
Occurrence Last Updated: 2018-11-15

Scientific Name: *Atriplex pacifica*
Common Name: south coast saltscale

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G4
State: S2

General Habitat:
COASTAL SCRUB, COASTAL BLUFF SCRUB, PLAYAS, COASTAL DUNES.

Micro Habitat:
ALKALI SOILS. 1-400 M.

Last Date Observed: 1927-07-17
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1927-07-17
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
LAGUNA BEACH, ALONG OCEAN.

Detailed Location:

Ecological:
OCEAN BLUFFS.

Threats:

General:
SITE BASED ON COLLECTIONS FROM CRAWFORD IN 1916, JOHNSTON IN 1918, AND HOWELL IN 1927.

PLSS: T07S, R09W, Sec. 26 (S)
Accuracy: non-specific area
Area (acres): 132
UTM: Zone-11 N3711691 E427070
Latitude/Longitude: 33.54235 / -117.78553
Elevation (feet): 10

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

CRA16S0001	CRAWFORD, D. - CRAWFORD SN UC #219363, POM #656 1916-05-05
HOW27S0059	HOWELL, J. - HOWELL #420 RSA #247 1927-07-17
JOH18S0002	JOHNSTON, I. - JOHNSTON #1931 DS #108440, POM #631, CAS-BOT-BC #180906 1918-05-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 13184
EO Index: 199
Key Quad: Laguna Beach (3311757)
Element Code: PDCHE041C0
Occurrence Number: 15
Occurrence Last Updated: 2003-12-12

Scientific Name: *Atriplex pacifica*
Common Name: south coast saltscale

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G4
State: S2

General Habitat:
COASTAL SCRUB, COASTAL BLUFF SCRUB, PLAYAS, COASTAL DUNES.

Micro Habitat:
ALKALI SOILS. 1-400 M.

Last Date Observed: 1927-07-17
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1927-07-17
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
1 MILE N OF LAGUNA BEACH.

Detailed Location:
EXACT LOCATION UNKNOWN, MAPPED NNE OF LAGUNA BEACH ALONG HIGHWAY 133 1 MILE FROM JUNCTION WITH HIGHWAY 1.

Ecological:

Threats:

General:
ORIGINAL LABEL: ATRIPLEX MICROCARPA, ANNT. TO A. PACIFICA BY UNKNOWN.

PLSS: T07S, R09W, Sec. 24 (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3713013 E428042
Latitude/Longitude: 33.55434 / -117.77516
Elevation (feet): 600

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
HOW27S0008 HOWELL, J. - HOWELL #2788 UC #517553, CAS #171492, CAS-BOT-BC #180907 1927-07-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 47884
EO Index: 47884
Key Quad: Laguna Beach (3311757)
Element Code: PDCHE041C0
Occurrence Number: 33
Occurrence Last Updated: 2002-05-09

Scientific Name: *Atriplex pacifica*
Common Name: south coast saltscale

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G4
State: S2

General Habitat:
COASTAL SCRUB, COASTAL BLUFF SCRUB, PLAYAS, COASTAL DUNES.

Micro Habitat:
ALKALI SOILS. 1-400 M.

Last Date Observed: 1998-05-18
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-05-18
Occurrence Rank: Poor
Owner/Manager: DPR-CRYSTAL COVE SP
Trend: Unknown
Presence: Presumed Extant

Location:
CRYSTAL COVE STATE PARK, PELICAN POINT COASTAL TERRACE ABOUT 0.3 AIR MILE ESE OF PELICAN POINT, SOUTH OF CORONA DEL MAR.

Detailed Location:
PLANTS FOUND DOWNCOAST OF RAMP #3.

Ecological:
ON COASTAL BLUFF IN EXPOSED ERODING BLUFF FACE WITH CHORIZANTHE STATICOIDES, DUDLEYA MULTICAULIS, AND DUDLEYA LANCEOLATA.

Threats:
FOOT TRAFFIC.

General:
FEWER THAN 5 PLANTS OBSERVED IN 1998.

PLSS: T07S, R09W, Sec. 08 (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3715771 E421190
Latitude/Longitude: 33.57873 / -117.84922
Elevation (feet): 90

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
WOL98F0006 WOLF, A. - FIELD SURVEY FORM FOR ATRIPLEX PACIFICA 1998-05-18

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 22038
EO Index: 198
Key Quad: Laguna Beach (3311757)
Element Code: PDCHE041D0
Occurrence Number: 3
Occurrence Last Updated: 2009-08-28

Scientific Name: *Atriplex parishii*
Common Name: Parish's brittlescale

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1
Other Lists: SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G1G2
State: S1

General Habitat:
VERNAL POOLS, CHENOPOD SCRUB, PLAYAS.

Micro Habitat:
USUALLY ON DRYING ALKALI FLATS WITH FINE SOILS. 4-1420 M.

Last Date Observed: 1907-05-19
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1907-05-19
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Possibly Extirpated

Location:
LAGUNA BEACH.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS AT LAGUNA BEACH.

Ecological:

Threats:

General:
POPULATION IS PROBABLY EXTIRPATED ACCORDING TO BRAMLET. HERBARIUM LABEL (MINTHORN, T.W., MAY 19, 1907; LAGUNA BEACH, ALKALINE; UC 11236) IS ONLY SOURCE OF LOCATION INFO. NEEDS FIELDWORK.

PLSS: T07S, R09W, Sec. 24 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3712920 E427656
Latitude/Longitude: 33.55348 / -117.77931
Elevation (feet): 300

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

BRA92U0001	BRAMLET, D. - LETTER TO MARK SKINNER ADDRESSING UPDATES TO THE CNPS INVENTORY 1992-01-04
BRANDU0002	BRAMLET, D. - COLLECTION NOTES FOR ATRIPLEX PARISHII 199X-XX-XX
MIN07S0001	MINTHORN, T. - MINTHORN SN UC #11236, IRVC 1907-05-19
REI01B0001	REISER, C. - RARE PLANTS OF SAN DIEGO COUNTY 2001-07-XX
TAY92U0001	TAYLOR, D. - RECORD OF PHONE CONVERSATION REGARDING TREATMENT OF SEVERAL ATRIPLEX SPECIES IN THE NEW JEPSON MANUAL 1992-04-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 22038
EO Index: 197
Key Quad: Laguna Beach (3311757)
Element Code: PDCHE041T1
Occurrence Number: 1
Occurrence Last Updated: 1996-02-23

Scientific Name: *Atriplex serenana var. davidsonii*
Common Name: Davidson's saltscale

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

CNDDB Element Ranks: **Global:** G5T1
State: S1

General Habitat:
COASTAL BLUFF SCRUB, COASTAL SCRUB.

Micro Habitat:
ALKALINE SOIL. 0-480 M.

Last Date Observed: XXXX-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: XXXX-XX-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
LAGUNA BEACH.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED BY CNDDB IN GENERAL VICINITY OF LAGUNA BEACH.

Ecological:

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS PLACE NAME NOTED IN "A CALIFORNIA FLORA" BY MUNZ (1959). NEEDS FIELDWORK.

PLSS: T07S, R09W, Sec. 24 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3712920 E427656
Latitude/Longitude: 33.55348 / -117.77931
Elevation (feet):

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
MUN59B0001 MUNZ, P. & D. KECK - A FLORA OF CALIFORNIA 1959-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	47854	**EO Index:**	47854
Key Quad:	Tustin (3311767)	**Element Code:**	PDCHE041T1
Occurrence Number:	8	**Occurrence Last Updated:**	2013-01-23

Scientific Name: *Atriplex serenana var. davidsonii*

Common Name: Davidson's saltscale

Listing Status: **Federal:** None

State: None

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

CNDDB Element Ranks: **Global:** G5T1

State: S1

General Habitat:

COASTAL BLUFF SCRUB, COASTAL SCRUB.

Micro Habitat:

ALKALINE SOIL. 0-480 M.

Last Date Observed:	1998-06-01	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1998-06-01	**Occurrence Rank:**	Poor
Owner/Manager:	UCNR-SAN JOAQUIN MARSH	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SAN JOAQUIN MARSH RESERVE, UC NATURAL RESERVE SYSTEM, NORTH OF UC IRVINE, WEST OF NEWPORT BEACH.

Detailed Location:

JUST WEST OF THE DUCK PONDS, SOUTHEAST OF INTERSECTION OF MACARTHUR BLVD AND JAMBOREE ROAD. INCLUDES COLLECTION FROM "1.7 KM NW OF UC IRVINE, OCCASIONAL ALONG SIDE OF DIRT ROAD NEAR MARGIN OF FRESHWATER MARSH..."

Ecological:

ON CLAY CAP FROM ARTIFICIAL LANDFILL ORIGINATING FROM DREDGING OPERATIONS IN NEWPORT BACKBAY. ASSOCIATED WITH SALICORNIA AND THE RARE ATRIPLEX COULTERI.

Threats:

SITE WAS GRADED SINCE DETECTION, ADDITIONAL FILL WAS BEING ADDED AS OF AUGUST 1998. 2011 AERIAL PHOTO SHOWS DEVELOPMENT.

General:

FEWER THAN 10 PLANTS SEEN IN 1998. 1987 ROBERTS COLLECTION ATTRIBUTED HERE. RECENT DEVELOPMENT COVERS HALF OF AREA MAPPED BY CNDDB, WITH SURROUNDING VIABLE HABITAT STILL INTACT; FIELDWORK NEEDED TO DETERMINE IF POPULATION IS STILL EXTANT.

PLSS:	T06S, R09W, Sec. 18, NE (S)	**Accuracy:**	80 meters	**Area (acres):**	0
UTM:	Zone-11 N3724205 E420416	**Latitude/Longitude:**	33.65474 / -117.85831	**Elevation (feet):**	50

County Summary:	**Quad Summary:**
Orange	Tustin (3311767)

Sources:

ROB87S0007	ROBERTS, F. & K. CALLOWAY - ROBERTS #3585 IRVC #25488 1987-08-19
WOL98F0003	WOLF, A. - FIELD SURVEY FORM FOR ATRIPLEX SERENANA VAR. DAVIDSONII 1998-06-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63711
EO Index: 48853
Key Quad: Newport Beach (3311768)
Element Code: PDCHE0P0D0
Occurrence Number: 10
Occurrence Last Updated: 2016-11-04

Scientific Name: *Suaeda esteroa*
Common Name: estuary seablite

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists:

CNDDB Element Ranks: **Global:** G3
State: S2

General Habitat:
MARSHES AND SWAMPS.

Micro Habitat:
COASTAL SALT MARSHES IN CLAY, SILT, AND SAND SUBSTRATES. 0-80 M.

Last Date Observed: 1938-07-25
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1938-07-25
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
0.25 MILE WEST OF CORONA DEL MAR ON CHANNEL BEACH.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS IN THE VICINITY OF THE SHORELINE NEAR THE NW END OF CORONA DEL MAR.

Ecological:

Threats:
DEVELOPMENT.

General:
SITE BASED ON A 1938 KELLER COLLECTION. A 1924 PEIRSON COLLECTION FROM "BALBOA BEACH, MAINLAND NEAR BRIDGE" AND "BALBOA BAY" IN REISER'S "RARE PLANTS OF SAN DIEGO COUNTY" ARE ALSO ATTRIBUTED TO THIS SITE. INCLUDES FORMER OCCURRENCE #11.

PLSS: T06S, R10W, Sec. 36 (S)
Accuracy: 3/5 mile
Area (acres): 0
UTM: Zone-11 N3718488 E418223
Latitude/Longitude: 33.60301 / -117.88143
Elevation (feet):

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757), Newport Beach (3311768)

Sources:

KEL38S0002	KELLER, A. - KELLER SN POM #259484 1938-07-25
PEI24S0014	PEIRSON, F. - PEIRSON #4535 RSA #70019 1924-02-10
REI01B0001	REISER, C. - RARE PLANTS OF SAN DIEGO COUNTY 2001-07-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A2484
EO Index: 48855
Key Quad: Newport Beach (3311768)
Element Code: PDCHE0P0D0
Occurrence Number: 12
Occurrence Last Updated: 2016-11-10

Scientific Name: *Suaeda esteroa*
Common Name: estuary seablite

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists:

CNDDB Element Ranks: **Global:** G3
State: S2

General Habitat:
MARSHES AND SWAMPS.

Micro Habitat:
COASTAL SALT MARSHES IN CLAY, SILT, AND SAND SUBSTRATES. 0-80 M.

Last Date Observed: 2015-11-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2015-11-XX
Occurrence Rank: Unknown
Owner/Manager: DFG-UPPER NEWPORT BAY ER
Trend: Unknown
Presence: Presumed Extant

Location:
NE END OF UPPER NEWPORT BAY, NEWPORT BEACH.

Detailed Location:
MAPPED AS 3 POLYGONS ACCORDING TO VEGETATION TRANSECT SURVEYS PERFORMED BY MERKEL & ASSOCIATES.

Ecological:
COASTAL SALT MARSH. ASSOCIATED WITH SARCOCORNIA PACIFICA, JAUMEA CARNOSA, FRANKENIA SALINA, DISTICHLIS SPICATA, BATIS MARITIMA, CUSCUTA SALINA, LIMONIUM CALIFORNICUM, MONANTHOCHLOE LITTORALIS, ETC.

Threats:

General:
PLANTS OBSERVED IN VICINITY IN 1991. OBSERVED AT MAPPED SITE DURING TRANSECT SURVEYS IN 2015. MORE COMPLETE SURVEYS OF AREA NEEDED. VAGUE 1924 PEIRSON AND JOHNSON COLLECTIONS AND 1975 TILFORTH COLLECTION ALSO ATTRIBUTED HERE.

PLSS: T06S, R10W, Sec. 13, S (S)
Accuracy: specific area
Area (acres): 5
UTM: Zone-11 N3723602 E418538
Latitude/Longitude: 33.64916 / -117.87852
Elevation (feet): 5

County Summary:
Orange

Quad Summary:
Tustin (3311767), Newport Beach (3311768)

Sources:

JOH24S0005	JOHNSTON, I. - JOHNSTON SN POM #48004 1924-08-29
MER16R0001	MERKEL & ASSOCIATES, INC. - UPPER NEWPORT BAY ECOSYSTEM RESTORATION PROJECT, POST-RESTORATION MONITORING PROGRAM, VEGETATION MONITORING, ANNUAL REPORT, YEAR 5 - 2015. 2016-03-XX
PEI24S0046	PEIRSON, F. - PEIRSON #5082 RSA #70016 1924-08-29
ROB91F0020	ROBERTS, F. - FIELD SURVEY FORM FOR APHANISMA BLITOIDES & SUAEDA ESTEROA 1991-06-07
TIL75S0003	TILFORTH, C. - TILFORTH #1044 CAS #768895, RSA #263901, UCSB #50567 1975-09-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02654
EO Index: 8495
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 2
Occurrence Last Updated: 2015-05-27

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1991-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 199X-XX-XX
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Decreasing
Presence: Presumed Extant

Location:
PELICAN HILL ON SPURS TO SOUTH AND WEST, ABOUT 2 AIR MILES EAST OF CORONA DEL MAR.

Detailed Location:
NOT CONTINUOUS THROUGHOUT BOUNDED AREA.

Ecological:
UNDER SHRUBS AND ON EXPOSED SANDSTONE IN COASTAL SAGE SCRUB AND GRASSLAND.

Threats:
DEVELOPMENT, ROADS, AND GRAZING THREATEN. HIGHWAY DEVELOPMENT 200 FT SE OF OCCURRENCE.

General:
<1000 PLANTS IN 1981, FEWER THAN 500 SEEN IN 1989, 850 PLANTS SEEN IN 1990, ABOUT 1640 PLANTS IN 10 POPULATIONS IN 1991. IN A 1999 REPORT, REISER STATED THAT ~80% OF SITE WAS DESTROYED AND A PORTION OF THE PLANTS WERE MOVED SLIGHTLY WEST.

PLSS: T07S, R09W, Sec. 05 (S)
Accuracy: specific area
Area (acres): 45
UTM: Zone-11 N3717321 E421967
Latitude/Longitude: 33.59277 / -117.84098
Elevation (feet): 600

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

BOY81F0004	BOYD, S. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1981-05-13
BOY81S0009	BOYD, S. - BOYD SN UCR #37798 1981-05-13
CAS89U0001	CASARES, M. - THE FUTURE PROSPECTS FOR THE PLANT SPECIES, DUDLEYA MULTICAULIS 1989-XX-XX
LSA91R0001	LSA ASSOCIATES, INC. - EIR: IRVINE COAST PLANNED COMMUNITY - PLANNING AREAS 1C & 11B (EIR NO. 528) 1991-10-28
ROB88S0003	ROBERTS, F. ET AL. - ROBERTS #3943 RSA #542535 1988-04-26
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB92M0001	ROBERTS, F. - MAP OF DUDLEYA MULTICAULIS LOCATIONS ON LAGUNA BEACH QUAD 1992-XX-XX
ROB99U0003	ROBERTS, F. - MANY-STEMMED DUDLEYA (DUDLEYA MULTICAULIS) STATUS TREND SUMMARY 1999-09-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02755
EO Index: 14200
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 3
Occurrence Last Updated: 2015-05-27

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 2005-05-27
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-05-27
Occurrence Rank: Good
Owner/Manager: CITY OF LAGUNA BEACH, ORA CO
Trend: Unknown
Presence: Presumed Extant

Location:
BETWEEN LAGUNA CANYON AND WOOD CANYON, NORTH OF CANYON ACRES AND TEMPLE HILL, NE OF THE CITY OF LAGUNA BEACH.

Detailed Location:
MAPPED BY CNDDB AS 6 POLYGONS. THE MIDDLE POLYGON, ABOUT 0.25 MILE NNW OF THE RADIO TOWER ON TOPO, IS EXTIRPATED.

Ecological:
ON TOPANGA AND VAQUEROS SANDSTONE OUTCROPS IN COASTAL SAGE SCRUB. UPSLOPE FROM DUDLEYA STOLONIFERA. ASSOCIATED WITH SELAGINELLA BIGELOVII, ANNUAL GRASSES AND HERBS.

Threats:
FIRE FIGHTING ACTIVITIES DAMAGED POPULATION IN SUMMER OF 1983. DEVELOPMENT NEARBY. RECREATIONAL ACTIVITIES.

General:
<1000 IN 1982. 1000-10,000 IN DISPERSED GROUPS IN 1983. FEWER THAN 550 PLANTS SEEN IN 1989, 450 SEEN BY ROBERTS IN 1991. 60+ PLANTS SEEN DURING PARTIAL SURVEY ALONG ILLEGAL TRAIL NEAR WEST END OF OCCURRENCE IN 2005. INCLUDES FORMER OCC #29.

PLSS: T07S, R08W, Sec. 18 (S)
Accuracy: specific area
Area (acres): 38
UTM: Zone-11 N3713695 E429665
Latitude/Longitude: 33.56060 / -117.75773
Elevation (feet): 600

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

CAS89U0001	CASARES, M. - THE FUTURE PROSPECTS FOR THE PLANT SPECIES, DUDLEYA MULTICAULIS 1989-XX-XX
MAR82F0001	MARSH, K. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1982-12-XX
MAR83F0012	MARSH, K. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1983-06-XX
MOR50S0006	MORAN, R. - MORAN #3412 SD #45412, UC #1015322 1950-05-24
POL05F0006	POLSTON-BARNES, J. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS & DUDLEYA STOLONIFERA 2005-05-27
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB92U0002	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING DUDLEYA MULTICAULIS (INFO ON THREATS, OWNERSHIP AND HABITAT FOR SEVERAL OCCURRENCES) 1992-06-29
ROB99U0003	ROBERTS, F. - MANY-STEMMED DUDLEYA (DUDLEYA MULTICAULIS) STATUS TREND SUMMARY 1999-09-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02741
EO Index: 19717
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 4
Occurrence Last Updated: 2018-03-07

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1978-02-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-11-29
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Possibly Extirpated

Location:
ABOVE LAGUNA HIGH SCHOOL, 100 YARDS FROM THE END OF PACIFIC AVENUE, LAGUNA BEACH.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB IN THE VICINITY JUST SOUTH OF THE END OF PACIFIC AVE. ALSO INCLUDES AN OBSERVATION FROM "ABOVE "L" (FOR LAGUNA BEACH HIGH SCHOOL) ON HILL BEHIND LAGUNA BEACH."

Ecological:
IN OPENINGS IN COASTAL SAGE.

Threats:

General:
SITE IS BASED ON A 1971 VERITY OBSERVATION AND A 1978 NAKAI COLLECTION. NO PLANTS SEEN AFTER EXTENSIVE SEARCHES IN 1983 AND 1988.

PLSS: T07S, R09W, Sec. 24, S (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3712125 E428211
Latitude/Longitude: 33.54634 / -117.77328
Elevation (feet): 600

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

CAS89U0001	CASARES, M. - THE FUTURE PROSPECTS FOR THE PLANT SPECIES, DUDLEYA MULTICAULIS 1989-XX-XX
NAK78S0007	NAKAI, K. - NAKAI #214 UC #2059974 1978-02-05
ROB87U0001	ROBERTS, F. - LETTER TO MARLYCE MYERS 1987-08-17
VER74U0006	VERITY, D. - CNPS NOTE CARD FOR LAGUNA BEACH HIGH SCHOOL POPULATION 1974-07-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02764
EO Index: 19718
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 5
Occurrence Last Updated: 2015-04-13

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1983-06-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1983-06-XX
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
LAGUNA BEACH, DIVIDE BETWEEN ARCH CANYON AND PORTA FINA CANYON.

Detailed Location:
SITE MAPPED ABOUT 0.4 MILE NORTHEAST OF HIGHWAY 1 ADJACENT TO ARCH BEACH.

Ecological:
ON SAN ONOFRE BRECCIA FORMATION. NATIVE PERENNIAL GRASSLAND IN COASTAL SAGE SCRUB & RHUS-MALOSMA CHAPARRAL. ASSOCIATED WITH NASSELLA PULCHRA, DICHONDRA OCCIDENTALIS, CENTAURIUM VENUSTUM, GASTERIDIUM VENTRICOSUM, & CALOCHORTUS SPLENDENS.

Threats:
SMALL SCALE HOUSING EXPANDING INTO OPEN SPACE AND FUEL MODIFICATION THREATEN.

General:
<1000 PLANTS OBSERVED IN 1983. REFERENCE TO A SITE "0.6 MI ENE OF CACTUS POINT" IS ALSO ATTRIBUTED TO THIS SITE. INCLUDES FORMER OCCURRENCE #28.

PLSS: T07S, R08W, Sec. 31, NW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3709925 E429571
Latitude/Longitude: 33.52659 / -117.75845
Elevation (feet): 650

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

MAR83F0011	MARSH, K. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1983-06-XX
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB92U0002	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING DUDLEYA MULTICAULIS (INFO ON THREATS, OWNERSHIP AND HABITAT FOR SEVERAL OCCURRENCES) 1992-06-29

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02533
EO Index: 21415
Key Quad: Newport Beach (3311768)
Element Code: PDCRA040H0
Occurrence Number: 8
Occurrence Last Updated: 2015-04-14

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1932-05-18
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1989-01-17
Occurrence Rank: None
Owner/Manager: DFG-UPPER NEWPORT BAY ER
Trend: Decreasing
Presence: Extirpated

Location:
NEWPORT BAY.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB IN UPPER NEWPORT BAY. ROBERTS (1999) REPORTED, "POPULATION WAS LIKELY LOCATED ALONG EASTERN SIDE OF BAY SOUTH OF FORD ROAD".

Ecological:
ADOBE BLUFF.

Threats:
AREA DEVELOPED.

General:
MAIN SOURCES OF INFORMATION ARE THREE HISTORIC COLLECTIONS FROM "NEWPORT BAY". NO PLANTS OBSERVED IN 1952, 1974, OR 1989. SITE BELIEVED EXTIRPATED ACCORDING TO ROBERTS (1987). UNDATED NEVIN COLLECTION FROM "NEWPORT" ALSO ATTRIBUTED HERE.

PLSS: T06S, R10W, Sec. 23 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3722596 E417561
Latitude/Longitude: 33.64001 / -117.88895
Elevation (feet):

County Summary:
Orange

Quad Summary:
Tustin (3311767), Newport Beach (3311768)

Sources:

ANONDS0046	ANONYMOUS - ANONYMOUS SN UC #338337 XXXX-XX-XX
BOO32S0002	BOOTH, L. - BOOTH #1054 UC #971741 & 536908, POM #201798 1932-05-18
CAS89U0001	CASARES, M. - THE FUTURE PROSPECTS FOR THE PLANT SPECIES, DUDLEYA MULTICAULIS 1989-XX-XX
NEV82S0004	NEVIN, J. - NEVIN #698 GH #376713 1882-XX-XX
NEVNDS0006	NEVIN, J. - NEVIN SN DS #97451, CAS-BOT-BC #109626 XXXX-XX-XX
ROB87U0001	ROBERTS, F. - LETTER TO MARLYCE MYERS 1987-08-17
ROB99U0003	ROBERTS, F. - MANY-STEMMED DUDLEYA (DUDLEYA MULTICAULIS) STATUS TREND SUMMARY 1999-09-13
VER74U0007	VERITY, D. - CNPS NOTE CARD 1974-07-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02774
EO Index: 11613
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 25
Occurrence Last Updated: 2015-04-15

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1983-06-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1983-06-XX
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
CREST OF DIVIDE BETWEEN RANCHO LAGUNA SUBWATERSHED OF BLUEBIRD CANYON AND ALISO CANYON, LAGUNA BEACH.

Detailed Location:
SITE MAPPED ABOUT 0.85 MILE NORTHEAST OF HIGHWAY 1 ADJACENT TO WOODS COVE. FOUND AT ABOUT 550-893' ELEVATION. MARSH REPORTED THAT MORE PLANTS WERE OBSERVED IN 1983 THAN LAST VISIT (DATE UNKNOWN).

Ecological:
ON SAN ONOFRE BRECCIA FORMATION. NATIVE PERENNIAL GRASSLAND OPENINGS SURROUNDED BY COASTAL SAGE SCRUB. ASSOCIATED WITH NASSELLA PULCHRA, DODECATHEON CLEVELANDII, DICHONDRA OCCIDENTALIS, LINANTHES DIANTHIFLORUS.

Threats:
RESIDENTIAL DEVELOPMENT PROPOSED FOR THE SITE (1983).

General:
1001-10000 PLANTS OBSERVED IN 1983; MORE THAN IN THE PAST DUE TO FENCE TO PREVENT ORVS. POP # MAY BE IN THE LOW RANGE, ACCORDING TO MARSH. ROBERTS (1991) REPORTED 80 PLANTS WERE SEEN IN 1983, BUT ORIGINAL SOURCE IS UNKNOWN.

PLSS: T07S, R08W, Sec. 30, SW (S)
Accuracy: specific area
Area (acres): 7
UTM: Zone-11 N3710695 E429818
Latitude/Longitude: 33.53355 / -117.75585
Elevation (feet): 750

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

MAR83F0008	MARSH, K. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1983-06-XX
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02780
EO Index: 11616
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 26
Occurrence Last Updated: 2015-04-15

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1998-05-04
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-05-04
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY-PARKS & REC, PVT
Trend: Decreasing
Presence: Presumed Extant

Location:
HEAD OF DRIPPING CAVE CANYON, EAST OF TOP OF THE WORLD ELEMENTARY SCHOOL, CITY OF LAGUNA BEACH.

Detailed Location:
MAPPED BY CNDDB AS 2 POLYGONS. WESTERN COLONY MAPPED ON EAST SLOPE OF TEMPLE HILL ON PRIVATE LAND; EASTERN COLONY MAPPED IN ALISO AND WOODS CANYON WILDERNESS PARK.

Ecological:
ON TOPANGA SANDSTONE AT OUTCROP MARGIN. WITHIN GRASSLAND AND COASTAL SAGE SCRUB. ASSOCIATED WITH ZAUSCHNERIA CALIFORNICA ANGUSTIFOLIA, CRASSULA ERECTA, KOELERIA AND SELAGINELLA.

Threats:
TRAMPLING, TRASH LITTERING AND OTHER HUMAN DISTURBANCE. GRAZING AND TRAMPLING BY GOATS IN FUEL MODIFICATION ZONE.

General:
FEWER THAN 50 PLANTS OBSERVED IN 1983 IN W COLONY; FEWER THAN IN PAST DUE TO HUMAN IMPACTS. NO PLANTS FOUND IN 1988. UNKNOWN NUMBER IN E COLONY IN 1998. EASTERN COLONY MAY BE AFFORDED PROTECTION WITHIN COUNTY PARK.

PLSS: T07S, R08W, Sec. 19, SE (S)
Accuracy: specific area
Area (acres): 10
UTM: Zone-11 N3712303 E430246
Latitude/Longitude: 33.54808 / -117.75136
Elevation (feet): 870

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

CAS89U0001	CASARES, M. - THE FUTURE PROSPECTS FOR THE PLANT SPECIES, DUDLEYA MULTICAULIS 1989-XX-XX
MAR83F0009	MARSH, K. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1983-06-XX
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB99U0003	ROBERTS, F. - MANY-STEMMED DUDLEYA (DUDLEYA MULTICAULIS) STATUS TREND SUMMARY 1999-09-13
WOL98F0019	WOLF, A. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1998-05-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02765
EO Index: 18673
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 27
Occurrence Last Updated: 2006-01-04

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1991-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-XX-XX
Occurrence Rank: Unknown
Owner/Manager: PVT, CITY OF LAGUNA BEACH?
Trend: Decreasing
Presence: Presumed Extant

Location:
EAST END OF CANYON ACRES CANYON, WEST OF PARK AVE, LAGUNA BEACH.

Detailed Location:
2 GROUPS OF PLANTS, ONE IN A SUBDIVIDED LOT, THE OTHER IN A COMMUNITY OPEN SPACE. SITE MAPPED WEST OF TEMPLE HILL ABOUT 400 M SW OF RADIO TOWER OF HILLTOP WITH 1036' BENCHMARK.

Ecological:
TOPANGA SANDSTONE ON SOIL AT MARGIN OF OUTCROP, IN COASTAL SAGE SCRUB.

Threats:
CONSTRUCTION 200' EAST & 500' SOUTH OF PLANTS (1989), ALSO RUNOFF FROM STREET. FUEL MODIFICATION & GOAT BROWSING (1991).

General:
FEWER THAN 100 PLANTS OBSERVED BY MARSH IN 1983. NO PLANTS FOUND IN 1989 AFTER EXTENSIVE SEARCH BY CASARES. ABOUT 100 SEEN BY ROBERTS IN 1991. IT IS UNKNOWN IF LAND OWNERSHIP IS PRIVATE OR CITY OF LAGUNA BEACH.

PLSS: T07S, R08W, Sec. 19, NW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3712735 E429417
Latitude/Longitude: 33.55193 / -117.76033
Elevation (feet): 800

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

CAS89U0001	CASARES, M. - THE FUTURE PROSPECTS FOR THE PLANT SPECIES, DUDLEYA MULTICAULIS 1989-XX-XX
MAR83F0010	MARSH, K. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1983-06-XX
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB92U0002	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING DUDLEYA MULTICAULIS (INFO ON THREATS, OWNERSHIP AND HABITAT FOR SEVERAL OCCURRENCES) 1992-06-29
ROB99U0003	ROBERTS, F. - MANY-STEMMED DUDLEYA (DUDLEYA MULTICAULIS) STATUS TREND SUMMARY 1999-09-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02815	**EO Index:**	19689
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	PDCRA040H0
Occurrence Number:	30	**Occurrence Last Updated:**	2015-05-19

Scientific Name: *Dudleya multicaulis*

Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:

CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed:	1990-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1990-XX-XX	**Occurrence Rank:**	None
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Extirpated		

Location:

ALISO VIEJO, RIDGE BETWEEN UPPER WOOD CANYON AND ALISO CREEK, ABOUT 2.5 MILES SW OF I-5 AT EL TORO ROAD, LAGUNA HILLS.

Detailed Location:

TWO COLONIES ALONG DIRT ROAD ON RIDGETOP ABOUT 0.9 MILE NORTHEAST OF MULTON 887' BENCHMARK. AREA BURNED BETWEEN 1979 AND 1983.

Ecological:

OUTCROPS OF BRECCIA AND BRECCIA OUTWASH. ASSOCIATED WITH TURKISH RUGGING, PURPLE NEEDLEGRASS, RATTLESNAKE SPURGE, CALIFORNIA SAGEBRUSH AND CALIFORNIA BUCKWHEAT.

Threats:

TRANSPORTATION CORRIDOR.

General:

FEWER THAN 50 PLANTS OBSERVED IN EACH POPULATION IN 1978. 200 PLANTS TOTAL IN 2 POPULATIONS IN 1990. ONE POP WILL BE OBLITERATED BY PLANNED CORRIDOR, THE OTHER WILL BE AT EDGE OF GRADING. ACCORDING TO ROBERTS (1999) SITE IS EXTIRPATED.

PLSS:	T07S, R08W, Sec. 05, SW (S)	**Accuracy:**	specific area	**Area (acres):**	13
UTM:	Zone-11 N3716526 E431634	**Latitude/Longitude:**	33.58626 / -117.73674	**Elevation (feet):**	750

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

MAR78R0001	MARSH, K. & G. MARSH - ORANGE COUNTY TURKISH RUGGING SITES WITHIN A PROPOSED ALISO VIEJO PLANNED COMMUNITY. PREPARED FOR JACK G. RAUB COMPANY. 1978-09-XX
PRC84R0001	PRC ENGINEERING, INC. - SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR BIOLOGICAL RESOURCE ANALYSIS 1984-04-11
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB99U0003	ROBERTS, F. - MANY-STEMMED DUDLEYA (DUDLEYA MULTICAULIS) STATUS TREND SUMMARY 1999-09-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02620
EO Index: 19686
Key Quad: Tustin (3311767)
Element Code: PDCRA040H0
Occurrence Number: 34
Occurrence Last Updated: 2015-05-27

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:

CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1993-04-21
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1993-04-21
Occurrence Rank: Fair
Owner/Manager: UC-IRVINE
Trend: Decreasing
Presence: Presumed Extant

Location:

UNIVERSITY OF CALIFORNIA, IRVINE CAMPUS.

Detailed Location:

2 COLONIES. WEST COLONY IS BEHIND HAZARDOUS WASTE LAB JUST WEST OF STANISLAUS HALL. EAST COLONY IS OFF OF THE HEALTH SERVICES ROAD.

Ecological:

ROCK OUTCROPS WITH N-FACING SLOPES. ASSOCIATED WITH MIXED ANNUAL / NATIVE STIPA GRASSLAND WITH SOME WEEDY SPECIES. LIKELY THAT THE ORIGINAL SURROUNDING VEGETATION WAS SOUTHERN COASTAL BLUFF SCRUB COMMUNITY.

Threats:

EXPANSION OF UCI. W COLONY: 1/2 OF SITE DESTROYED BY PARKING LOT IN FEB 1987; SHADING, WEEDS. TRAMPLING IN E COLONY.

General:

W COLONY: 200+ PLANTS OBSERVED IN 1985, APPROXIMATELY 200 IN MARCH 1987, 1200+ IN 1988. "EXTENSIVE POPULATION" OBSERVED IN E COLONY IN 1993. INCLUDES FORMER OCCURRENCE #112.

PLSS: T06S, R09W, Sec. 17, SW (S)
Accuracy: specific area
Area (acres): 10
UTM: Zone-11 N3723313 E421498
Latitude/Longitude: 33.64677 / -117.84656
Elevation (feet): 70

County Summary:

Orange

Quad Summary:

Tustin (3311767)

Sources:

CAS89U0001	CASARES, M. - THE FUTURE PROSPECTS FOR THE PLANT SPECIES, DUDLEYA MULTICAULIS 1989-XX-XX
DUE85F0001	DUEBENDORFER, T. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1985-05-17
HEF93F0006	HEFFLEY, C. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1993-04-21
ROB87F0003	ROBERTS, F. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1987-03-25

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02818
EO Index: 12668
Key Quad: San Juan Capistrano (3311756)
Element Code: PDCRA040H0
Occurrence Number: 39
Occurrence Last Updated: 2015-04-28

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:

CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1978-09-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1990-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

ALISO CREEK, SOUTH END OF SHEEP HILLS, ABOUT 4 MILES SSW OF LAGUNA HILLS.

Detailed Location:

MAPPED NEAR CONFLUENCE OF WOOD CANYON AND ALISO CREEK BASED ON A 1978 MARSH MAP. SITE PRIVATELY OWNED IN 1978; CURRENTLY PART OF ALISO AND WOOD CANYONS WILDERNESS PARK (ORANGE COUNTY).

Ecological:

SANDSTONE OUTCROP. ASSOCIATED WITH TURKISH RUGGING, SAPPHIRE ERIASTRUM, CHALK LETTUCE, HAPLOPAPPUS SP., GRASSES AND SAGE SCRUB PLANTS.

Threats:

WITHIN PROPOSED ALISO VIEJO PLANNED COMMUNITY.

General:

LARGE POPULATION OBSERVED IN 1978. PLANTS COULD NOT BE FOUND IN 1989 OR 1990 SURVEYS. A 2001 SITE DESCRIPTION BY REISER, "ALISO CREEK AT SOUTHERN END OF SHEEP HILLS, APPROX 1 MILE NW OF NIGUEL HILL", IS ATTRIBUTED TO THIS OCCURRENCE.

PLSS: T07S, R08W, Sec. 20, S (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3711794 E431674
Latitude/Longitude: 33.54359 / -117.73595
Elevation (feet): 200

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

MAR78R0001 MARSH, K. & G. MARSH - ORANGE COUNTY TURKISH RUGGING SITES WITHIN A PROPOSED ALISO VIEJO PLANNED COMMUNITY. PREPARED FOR JACK G. RAUB COMPANY. 1978-09-XX

REI01B0001 REISER, C. - RARE PLANTS OF SAN DIEGO COUNTY 2001-07-XX

ROB91U0001 ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02796	**EO Index:**	19683
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	PDCRA040H0
Occurrence Number:	40	**Occurrence Last Updated:**	2018-03-08

Scientific Name: *Dudleya multicaulis*

Common Name: many-stemmed dudleya

Listing Status: **Federal:** None

State: None

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2

State: S2

General Habitat:

CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed:	2015-05-20	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2015-05-20	**Occurrence Rank:**	Good
Owner/Manager:	ORA COUNTY, PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

ABOUT 1.2 MILES NORTHWEST OF NIGUEL HILL ON RIDGETOP ABOVE ALISO CREEK AND HOBO CANYON, LAGUNA BEACH.

Detailed Location:

MAPPED BY CNDDB AS 2 POLYGONS. SITE WAS ONCE COMPLETELY ON PRIVATE LAND; CURRENTLY WITHIN ALISO AND WOOD CANYONS WILDERNESS PARK, ALTHOUGH A PORTION MAY STILL BE ON PRIVATE LAND.

Ecological:

ON WEST-NORTHWEST FACING SLOPE. OUTCROPS OF SANDSTONE AND CONGLOMERATE AND SOME COARSE SAND. ASSOCIATED W/ CHORIZANTHE STATICOIDES, STIPA PULCHRA, PLANTAGO ERECTA, DICHONDRA OCCIDENTALIS, ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, ETC.

Threats:

IN PROPOSED ALISO VIEJO PLANNED COMMUNITY (1978). MINOR RECREATIONAL THREAT (1991). TRAMPLING, NON-NATIVES (2015).

General:

1004 PLANTS OBSERVED IN 1991. W POLYGON: UNKNOWN NUMBER OF PLANTS OBSERVED IN 2014, 60 PLANTS OBSERVED IN 2015. INCLUDES FORMER OCCURRENCE #81.

PLSS:	T07S, R08W, Sec. 31, NE (S)	**Accuracy:**	specific area	**Area (acres):**	13
UTM:	Zone-11 N3709863 E430603	**Latitude/Longitude:**	33.52611 / -117.74734	**Elevation (feet):**	700

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

KEE14U0004	KEELAN, B. - EXPORT OF 2014 OBSERVATIONS OF LIST 1B & 2B PLANTS FROM BRIAN KEELAN'S PLANT DATABASE 2014-XX-XX
MAR78R0001	MARSH, K. & G. MARSH - ORANGE COUNTY TURKISH RUGGING SITES WITHIN A PROPOSED ALISO VIEJO PLANNED COMMUNITY. PREPARED FOR JACK G. RAUB COMPANY. 1978-09-XX
ROB91F0037	ROBERTS, F. & K. MARSH - FIELD SURVEY FORM FOR DICHONDRA OCCIDENTALIS 1991-04-08
ROB91F0038	ROBERTS, F. & K. MARSH - FIELD SURVEY FORM FOR DICHONDRA OCCIDENTALIS & DUDLEYA MULTICAULIS & COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA 1991-04-10
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB92M0001	ROBERTS, F. - MAP OF DUDLEYA MULTICAULIS LOCATIONS ON LAGUNA BEACH QUAD 1992-XX-XX
ROB92U0002	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING DUDLEYA MULTICAULIS (INFO ON THREATS, OWNERSHIP AND HABITAT FOR SEVERAL OCCURRENCES) 1992-06-29
RUD15F0005	RUDALEVIGE, A. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 2015-05-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 15988
EO Index: 12667
Key Quad: San Juan Capistrano (3311756)
Element Code: PDCRA040H0
Occurrence Number: 41
Occurrence Last Updated: 2015-04-29

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 2005-05-20
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-05-20
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
SEAVIEW PARK, NIGUEL HILL, LAGUNA BEACH.

Detailed Location:
REPORTED AS EXTIRPATED (1987, 1999); CNDDB ALSO HAS NON-SPECIFIC 2004/2005 INFORMATION FROM SECTIONS 5, 6, 31, & 32 BUT EXACT SURVEY LOCATION UNKNOWN. THIS SITE MAY HAVE BEEN EXTIRPATED WITH 2004/2005 INFORMATION FROM ANOTHER NEARBY SITE.

Ecological:
ALONG ROAD CUT.

Threats:
INTENSE FUEL MODIFICATION NEAR RESIDENCES REPORTED (1999).

General:
ORIGINALLY APPROX 25 PLANTS; SITE AUGMENTED WITH APPROX 225 ADDITIONAL PLANTS FROM OCCURRENCE #49 IN 1984. UNKNOWN # OF PLANTS IN 1985. 81 PLANTS OBSERVED WITHIN SECTION 5, 6, 31, & 32 IN 2004/2005; NO MAP DETAIL PROVIDED. NEEDS FIELDWORK.

PLSS: T07S, R08W, Sec. 32, SE (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3708417 E431811
Latitude/Longitude: 33.51314 / -117.73422
Elevation (feet): 800

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756)

Sources:

MAR84U0007	MARSH, K. - LETTER TO SOUTH LAGUNA REVIEW COMMITTEE 1984-12-03
MAR84U0008	MARSH, K. - MONARCH SUMMIT - SEAVIEW PARK AREA, SOUTH LAGUNA, CALIFORNIA PLANT SPECIES LIST 1984-XX-XX
ROB05F0013	ROBB, L. ET AL. (PCR SERVICES CORPORATION) - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 2005-05-20
ROB87U0001	ROBERTS, F. - LETTER TO MARLYCE MYERS 1987-08-17
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB99U0003	ROBERTS, F. - MANY-STEMMED DUDLEYA (DUDLEYA MULTICAULIS) STATUS TREND SUMMARY 1999-09-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02615
EO Index: 19682
Key Quad: Tustin (3311767)
Element Code: PDCRA040H0
Occurrence Number: 42
Occurrence Last Updated: 2015-05-22

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:

CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 2012-02-26
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2012-02-26
Occurrence Rank: Good
Owner/Manager: UC-IRVINE, PVT
Trend: Unknown
Presence: Presumed Extant

Location:

VICINITY OF BONITA CANYON, ON BOTH SIDES OF BONITA CANYON ROAD.

Detailed Location:

MAPPED BY CNDDB AS 8 POLYGONS ACCORDING TO MULTIPLE SOURCES OF INFORMATION. IN 1998 WOLF REPORTS THAT THERE WERE CAGES WITH DUDLEYA SCATTERED AROUND OUTCROP IN SW-MOST POLYGON (POSSIBLE TRANSPLANTS?)

Ecological:

ON EXPOSED IGNEOUS BASALT DIKES, AT COASTAL SAGE SCRUB/NASSELLA PULCHRA GRASSLAND ECOTONE. ASSOCIATED WITH OPUNTIA SP., CARDIONEMA RAMOSISSIMA, DUDLEYA PULVERULENTA, MUHLENBERGIA MICROSPERMA, ARTEMISIA CALIFORNICA, PLANTAGO ERECTA, ET AL.

Threats:

ROAD CONSTRUCTION. RESIDENTIAL DEVELOPMENT. VULPIA AND ERODIUM INFESTATION. FOOT TRAFFIC TRAMPLING.

General:

POP NUMBERS ARE FOR PORTIONS OF OCCURRENCE: ~642 PLANTS OBSERVED N OF BONITA CYN RD IN 1987-1988, 2580 PLANTS S OF ROAD (UNKNOWN DATE IN ROBERTS, 1991), 55+ S OF ROAD IN 1998, UNKNOWN # IN 2011 & 2012 N OF ROAD. INCL FORMER OCCS #43 & 44.

PLSS: T06S, R09W, Sec. 20 (S)
Accuracy: specific area
Area (acres): 71
UTM: Zone-11 N3721922 E421338
Latitude/Longitude: 33.63422 / -117.84817
Elevation (feet): 200

County Summary:	Quad Summary:
Orange	Tustin (3311767)

Sources:

BOW03S0001	BOWLER, P. - BOWLER SN IRVC #27013 2003-04-20
CAS89U0001	CASARES, M. - THE FUTURE PROSPECTS FOR THE PLANT SPECIES, DUDLEYA MULTICAULIS 1989-XX-XX
CNP92U0001	CALIFORNIA NATIVE PLANT SOCIETY - COLLECTION OF HERBARIUM LABELS FOR DUDLEYA MULTICAULIS 1992-XX-XX
CNPNDU0001	CALIFORNIA NATIVE PLANT SOCIETY - OBSERVATION OF ERYSIMUM MENZIESII IN MONTEREY COUNTY. XXXX-XX-XX
HEF93F0007	HEFFLEY, C. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1993-04-09
MAR78S0002	MARSH, G. - MARSH SN IRVC #16212 (CITED IN CNP92U0001) 1978-03-17
MCG81S0001	MCGEE, A. & G. MARSH - MCGEE SN IRVC #18769 (CITED IN CNP92U0001) 1981-05-08
MOH12I0001	MOH, D. - PHOTO OF DUDLEYA MULTICAULIS, FLICKR ID #7521856696 2012-02-26
PRC84R0001	PRC ENGINEERING, INC. - SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR BIOLOGICAL RESOURCE ANALYSIS 1984-04-11
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB99U0003	ROBERTS, F. - MANY-STEMMED DUDLEYA (DUDLEYA MULTICAULIS) STATUS TREND SUMMARY 1999-09-13
VAN11U0004	VANDERHOFF, R. - OBSERVATION RECORD FOR DUDLEYA MULTICAULIS, CALFLORA ID #OE1727 2011-02-23
VAN11U0005	VANDERHOFF, R. - OBSERVATION RECORD FOR DUDLEYA MULTICAULIS, CALFLORA ID #OE2829 2011-12-22
WOL98F0013	WOLF, A. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1998-12-03
WOL98F0014	WOLF, A. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1998-03-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02727
EO Index: 18672
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 45
Occurrence Last Updated: 2015-04-29

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1983-07-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1983-07-XX
Occurrence Rank: Unknown
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:
UPPER LAUREL CANYON 1.6 MILES SSE OF SIGNAL PEAK, SAN JOAQUIN HILLS, LAGUNA BEACH.

Detailed Location:
CANYON IS NOT LABELED ON TOPO MAP; IS ALSO KNOWN AS WILLOW CANYON. TWO COLONIES MAPPED AS ONE POLYGON BY CNDDB ALONG ROCK OUTCROPS OF SOUTH SIDE OF CANYON, BASED ON A 1983 PRC ENGINEERING, INC. MAP.

Ecological:
ON NORTH-FACING ROCK OUTCROPS IN COASTAL SCRUB. PERIPHERAL COMMUNITIES OF NATIVE GRASSLAND AND MIXED CHAPARRAL.

Threats:
WITHIN SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR. IN OR NEAR RURAL RESIDENTIAL OR MED-LOW PLANNED RESIDENTIAL AREA.

General:
MORE THAN 500 TOTAL PLANTS IN TWO COLONIES 1983. PLANTS WERE OBSERVED BY TELESCOPE FROM ACROSS CANYON AND CANYON BOTTOM. MANAGED BY ORANGE COUNTY (ROBERTS, 1992).

PLSS: T07S, R09W, Sec. 02, NE (S)
Accuracy: specific area
Area (acres): 12
UTM: Zone-11 N3717987 E427020
Latitude/Longitude: 33.59913 / -117.78658
Elevation (feet): 850

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

PRC84R0001	PRC ENGINEERING, INC. - SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR BIOLOGICAL RESOURCE ANALYSIS 1984-04-11
ROB92U0002	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING DUDLEYA MULTICAULIS (INFO ON THREATS, OWNERSHIP AND HABITAT FOR SEVERAL OCCURRENCES) 1992-06-29

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02759	**EO Index:**	25113
Key Quad:	Laguna Beach (3311757)	**Element Code:**	PDCRA040H0
Occurrence Number:	46	**Occurrence Last Updated:**	2015-04-29

Scientific Name: *Dudleya multicaulis*

Common Name: many-stemmed dudleya

Listing Status: **Federal:** None

State: None

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2

State: S2

General Habitat:

CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed:	1989-04-03	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1989-04-03	**Occurrence Rank:**	Good
Owner/Manager:	CITY OF LAGUNA BEACH	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

W SIDE OF LAGUNA CANYON RD, 0.5 MI N OF JUNCTION WITH EL TORO RD, AND EL TORO RD 0.3 MI E OF JUNCTION, LAGUNA CANYON.

Detailed Location:

4 POLYGONS: TWO W OF LAGUNA CANYON RD AND ONE E OF ROAD BASED ON SPECIFIC 1984 PRC ENGINEERING MAP; LONG POLYGON SE OF EL TORO RD BASED ON NON-SPECIFIC NAKAI COLLECTION: "0.3 MI E OF LAGUNA CYN RD ON EL TORO RD, N-FACING, ELEV 300 FT".

Ecological:

3 N POLYGONS: IN THIN SOIL OF TOPANGA BEDROCK OUTCROP. ASSOCIATED WITH SELAGINELLA BIGELOVII, FESTUCA MEGALURA, HAPLOPAPPUS PINIFOLIUS, CALYCADENIA TENELLA, OPUNTIA SPP., NOTHOLAENA NEWBERRYI. S POLYGON ON N-FACING SANDSTONE LEDGE IN MOSS.

Threats:

WITHIN SAN JOAQUIN TRANSPORTATION CORRIDOR.

General:

IN 1983, >100 PLANTS OBSERVED IN N COLONY, 1100+ IN TWO MIDDLE COLONIES. ~1000 PLANTS AMONG 3 N COLONIES IN 1989. SOUTHERN POLYGON: ABUNDANT IN 1981. INCLUDES FORMER OCCURRENCE #47. MANAGED BY THE COUNTY OF ORANGE.

PLSS:	T07S, R08W, Sec. 06, S (S)	**Accuracy:**	non-specific area	**Area (acres):**	63
UTM:	Zone-11 N3716960 E429317	**Latitude/Longitude:**	33.59002 / -117.76174	**Elevation (feet):**	350

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

CAS89U0001	CASARES, M. - THE FUTURE PROSPECTS FOR THE PLANT SPECIES, DUDLEYA MULTICAULIS 1989-XX-XX
MOR49S0010	MORAN, R. - MORAN #3285 UC #792938 1949-07-02
MOR50S0010	MORAN, R. - MORAN #3387 UC #933212 1950-04-24
NAK81S0012	NAKAI, K. - NAKAI #774 CAS #981241, CAS-BOT-BC #109671, UC #2059978 1981-06-04
PRC84R0001	PRC ENGINEERING, INC. - SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR BIOLOGICAL RESOURCE ANALYSIS 1984-04-11
ROB92U0002	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING DUDLEYA MULTICAULIS (INFO ON THREATS, OWNERSHIP AND HABITAT FOR SEVERAL OCCURRENCES) 1992-06-29

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02768
EO Index: 19673
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 48
Occurrence Last Updated: 2015-05-22

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1998-03-12
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-03-12
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
EAST SIDE OF LAGUNA CANYON ROAD IN LAGUNA CANYON, ABOUT 1.3 MILES NORTH OF EL TORO ROAD, LAGUNA BEACH.

Detailed Location:
TWO COLONIES: NORTHERN COLONY BASED ON A 1998 WOLF SURVEY MAP; SOUTHERN COLONY BASED ON A 1984 PRC ENGINEERING, INC MAP. COLONIES MAY BE SMALLER THAN THE MAPPED FEATURES SUGGEST.

Ecological:
ON OUTCROPS IN COASTAL SAGE SCRUB. WITH CHORIZANTHE STATICOIDES COMPACTA, CALYCADENIA TENELLA, CHORIZANTHE PROCUMBENS, AND OPUNTIA SPP.

Threats:
WITHIN SAN JOAQUIN TRANSPORTATION CORRIDOR.

General:
<50 PLANTS OBSERVED IN THE SOUTHERN COLONY IN 1983. 10+ PLANTS OBSERVED IN THE NORTHERN COLONY IN 1998. INCLUDES FORMER OCCURRENCE #109.

PLSS: T06S, R08W, Sec. 31, S (S)
Accuracy: specific area
Area (acres): 10
UTM: Zone-11 N3718019 E429480
Latitude/Longitude: 33.59959 / -117.76007
Elevation (feet): 400

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

CAS89U0001	CASARES, M. - THE FUTURE PROSPECTS FOR THE PLANT SPECIES, DUDLEYA MULTICAULIS 1989-XX-XX
PRC84R0001	PRC ENGINEERING, INC. - SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR BIOLOGICAL RESOURCE ANALYSIS 1984-04-11
WOL98F0007	WOLF, A. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1998-03-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	02775	**EO Index:**	19671
Key Quad:	Laguna Beach (3311757)	**Element Code:**	PDCRA040H0
Occurrence Number:	49	**Occurrence Last Updated:**	2017-05-10

Scientific Name: *Dudleya multicaulis*

Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:

CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed:	1984-XX-XX	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1984-XX-XX	**Occurrence Rank:**	None
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Extirpated		

Location:

SYCAMORE HILLS EAST OF LAGUNA CANYON, ABOUT 1 MILE NORTH OF THE JUNCTION OF LAGUNA CANYON ROAD AND EL TORO ROAD.

Detailed Location:

MAPPED ALONG EAST SIDE OF DIRT ROAD ABOUT 0.4 MILE EAST OF LAGUNA CANYON ROAD AND 0.3 MILE NORTH OF EL TORO ROAD.

Ecological:

ON COBBLESTONE RIDGETOP BARREN, WITH DUDLEYA LANCEOLATA, ERIOGONUM FASCICULATUM, OPUNTIA SPP., AND FILAGO SPP. SURROUNDED BY COASTAL SAGE SCRUB.

Threats:

WITHIN THE SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR. IMPACTED BY AN APARTMENT COMPLEX.

General:

<100 PLANTS IN 1983, 150 SEEN IN 1984. NEARBY SITE OF DICHONDRA OCCIDENTALIS WAS REPORTED BY ROBERTS AS "GRADED AND LOST CIRCA 1985"; DUDLEYA MULTICAULIS SITE ALSO PRESUMABLY EXTIRPATED AROUND THE SAME TIME.

PLSS:	T07S, R08W, Sec. 06, NE (S)	**Accuracy:**	80 meters	**Area (acres):**	0
UTM:	Zone-11 N3717326 E430054	**Latitude/Longitude:**	33.59338 / -117.75383	**Elevation (feet):**	500

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

CAS89U0001	CASARES, M. - THE FUTURE PROSPECTS FOR THE PLANT SPECIES, DUDLEYA MULTICAULIS 1989-XX-XX
CNP92U0001	CALIFORNIA NATIVE PLANT SOCIETY - COLLECTION OF HERBARIUM LABELS FOR DUDLEYA MULTICAULIS 1992-XX-XX
PRC84R0001	PRC ENGINEERING, INC. - SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR BIOLOGICAL RESOURCE ANALYSIS 1984-04-11
ROB83F0004	ROBERTS, F. - FIELD SURVEY FORM FOR DICHONDRA OCCIDENTALIS 1983-05-16
ROB83S0002	ROBERTS, F. - ROBERTS #1042 IRVC #22039 (CITED IN CNP92U0001) 1983-05-13
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB99U0003	ROBERTS, F. - MANY-STEMMED DUDLEYA (DUDLEYA MULTICAULIS) STATUS TREND SUMMARY 1999-09-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 26707
EO Index: 19672
Key Quad: San Juan Capistrano (3311756)
Element Code: PDCRA040H0
Occurrence Number: 50
Occurrence Last Updated: 2015-05-22

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1988-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-XX-XX
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Possibly Extirpated

Location:
ALISO VIEJO RIDGE, ABOUT 0.35 MILE EAST OF EL TORO ROAD AND 0.4 MILE SOUTH OF POWERLINES, SW OF LAGUNA HILLS.

Detailed Location:
RIDGE TO WEST OF THE HEAD OF WOOD CANYON, ABOUT 1 MILE DUE NORTH OF MULTON 887' BENCHMARK. MAPPED BY CNDDB ACCORDING TO A 1984 PRC ENGINEERING INC MAP.

Ecological:
ASSOCIATED WITH CHORIZANTHE STATICOIDES CHRYSACANTHA, CALOCHORTUS WEEDII INTERMEDIUS, AGROSTIS DIEGOENSIS, KOELERIA MICRANTHA AND STIPA LEPIDA.

Threats:
THREATENED BY SAN JOAQUIN TRANSPORTATION CORRIDOR (1984) AND DEVELOPMENT.

General:
ABOUT 500 PLANTS REPORTED IN 1983 AND 1988. SITE EXTIRPATED ACCORDING TO ROBERTS (1999); BUT BASED ON 2012 AERIAL IMAGERY OF THIS AREA, HABITAT MAY STILL EXIST. NEEDS FIELDWORK.

PLSS: T07S, R08W (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3717000 E430918
Latitude/Longitude: 33.59049 / -117.74450
Elevation (feet): 400

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

PRC84R0001	PRC ENGINEERING, INC. - SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR BIOLOGICAL RESOURCE ANALYSIS 1984-04-11
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB99U0003	ROBERTS, F. - MANY-STEMMED DUDLEYA (DUDLEYA MULTICAULIS) STATUS TREND SUMMARY 1999-09-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02636
EO Index: 19670
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 51
Occurrence Last Updated: 2015-05-22

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1995-03-15
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1995-03-15
Occurrence Rank: Unknown
Owner/Manager: DPR-CRYSTAL COVE SP
Trend: Unknown
Presence: Presumed Extant

Location:
CRYSTAL COVE STATE PARK; ABOUT 1-1.5 MILES SOUTHEAST OF CORONA DEL MAR, WEST OF PACIFIC COAST HIGHWAY.

Detailed Location:
BETWEEN PELICAN POINT AND CRYSTAL COVE. SEVERAL COLONIES MAPPED BY CNDDB AS 3 POLYGONS ALONG COASTAL TERRACE AND BLUFFS.

Ecological:
COASTAL SAGE SCRUB WITH BLOOMERIA CROCEA ON SANDSTONE SUBSTRATE.

Threats:
FOOT TRAFFIC, PEDESTRIANS, EROSION.

General:
FEWER THAN 100 PLANTS SEEN IN 1995 BETWEEN THIS OCCURRENCE AND OCCURRENCE #53 COMBINED.

PLSS: T07S, R09W, Sec. 08, W (S)
Accuracy: specific area
Area (acres): 16
UTM: Zone-11 N3715647 E421570
Latitude/Longitude: 33.57764 / -117.84511
Elevation (feet): 100

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
WOL95F0001 WOLF, A. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1995-03-15

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02595
EO Index: 21381
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 53
Occurrence Last Updated: 2015-04-30

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1995-03-15
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1995-03-15
Occurrence Rank: Good
Owner/Manager: DPR-CRYSTAL COVE SP
Trend: Unknown
Presence: Presumed Extant

Location:
CRYSTAL COVE STATE PARK, ABOUT 1/4 MILE NORTH OF PELICAN POINT & 1/3 MILE SOUTHEAST OF CORONA DEL MAR.

Detailed Location:
MAPPED ALONG TWO ADJACENT INTERMITTENT DRAINAGES ALONG COASTAL TERRACE AND BLUFFS.

Ecological:
AT THE TOP OF ARROYO SLOPES NEAR BLUFF EDGE. ANNUAL GRASSLAND / COASTAL SAGE SCRUB MOSAIC. ASSOCIATED WITH BROMUS MOLLIS, AVENA FATUA, ERIOGONUM FASCICULATUM AND CALOCHORTUS CATALINAE.

Threats:
PEDESTRIAN TRAIL IS ROUTED THROUGH THE AREA.

General:
FEWER THAN 1000 PLANTS OBSERVED IN 1985. ABOUT 400 IN 1986 AND 1988. FEWER THAN 100 IN 1995 BETWEEN THIS OCCURRENCE AND OCCURRENCE #51. A 1980 MARSH COLLECTION FROM "CRYSTAL COVE STATE PARK: PELICAN POINT" IS ATTRIBUTED TO THIS OCCURRENCE.

PLSS: T07S, R09W, Sec. 07 (S)
Accuracy: specific area
Area (acres): 8
UTM: Zone-11 N3716196 E420683
Latitude/Longitude: 33.58253 / -117.85471
Elevation (feet): 100

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

CNP92U0001	CALIFORNIA NATIVE PLANT SOCIETY - COLLECTION OF HERBARIUM LABELS FOR DUDLEYA MULTICAULIS 1992-XX-XX
HIL85F0005	HILLYARD, D. - FIELD SURVEY FORM (MAP) FOR DUDLEYA MULTICAULIS 1985-05-08
HIL86F0001	HILLYARD, D. - FIELD SURVEY FORM (MAP) FOR DUDLEYA MULTICAULIS 1986-05-09
MAR80S0002	MARSH, K. - MARSH SN IRVC #17974 (CITED IN CNP92U0001) 1980-05-08
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
WOL95F0001	WOLF, A. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1995-03-15

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02722
EO Index: 19384
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 58
Occurrence Last Updated: 2015-05-01

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1998-04-17
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-04-17
Occurrence Rank: Excellent
Owner/Manager: CITY OF IRVINE
Trend: Unknown
Presence: Presumed Extant

Location:
SHADY CANYON, ABOUT 2 AIR MILES NORTHEAST OF SIGNAL PEAK, SAN JOAQUIN HILLS, IRVINE.

Detailed Location:
SCATTERED SMALL PATCHES GROWING ON SANDSTONE OUTCROPS AND SMALL CLAY BARRENS. MAPPED BY CNDDB AS 4 POLYGONS BASED ON 1987 AND 1998 MAPS.

Ecological:
ON SANDSTONE OUTCROP IN COASTAL SAGE SCRUB. ASSOCIATED WITH SELAGINELLA BIGELOVII, SELAGINELLA CINERASCENS AND CRASSULA ERECTA.

Threats:
PORTION OF NW COLONY NOW PART OF GOLF COURSE. GRAZING (S COLONY). AGGRESSIVE NON-NATIVE GRASSES, ARTICHOKES INVADING.

General:
500 PLANTS OBSERVED IN NW COLONY AND 40-80 IN CENTRAL COLONY IN 1987. 1426 IN NE COLONY, 647 IN SW COLONY, AND 13 IN CENTRAL COLONY IN 1998. INCLUDES FORMER OCCURRENCE #59.

PLSS: T06S, R09W, Sec. 26, NE (S)
Accuracy: specific area
Area (acres): 4
UTM: Zone-11 N3720762 E426805
Latitude/Longitude: 33.62415 / -117.78913
Elevation (feet): 500

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

ROB87F0001	ROBERTS, F. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1987-04-13
ROB87F0002	ROBERTS, F. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1987-04-03
ROB87S0002	ROBERTS, F. - ROBERTS #3374 IRVC #25417 1987-04-13
ROB92U0002	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING DUDLEYA MULTICAULIS (INFO ON THREATS, OWNERSHIP AND HABITAT FOR SEVERAL OCCURRENCES) 1992-06-29
ROB98F0003	ROBERTS, F. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1998-04-17
ROB98F0004	ROBERTS, F. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1998-04-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02718
EO Index: 13946
Key Quad: Tustin (3311767)
Element Code: PDCRA040H0
Occurrence Number: 60
Occurrence Last Updated: 2015-05-01

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive
CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 2001-03-21
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2001-03-21
Occurrence Rank: Poor
Owner/Manager: PVT
Trend: Decreasing
Presence: Presumed Extant

Location:
EAST OF SHADY CANYON AND SE OF SAND CANYON RESERVOIR, SAN JOAQUIN HILLS, IRVINE.

Detailed Location:
MAPPED AS 4 POLYGONS ALONG THE SE SIDE OF UNNAMED TRIBUTARY TO SHADY CANYON; ABOUT 1.6 MILES W OF HWY 133 (LAGUNA CANYON RD). SITE QUALITY ORIGINALLY REPORTED AS EXCELLENT; CHANGED TO POOR BY CNDDB BASED ON 2014 AERIAL IMAGERY.

Ecological:
ON ROCK OUTCROPS AND IN INTRODUCED GRASSLANDS WITHIN COASTAL SAGE SCRUB. ASSOCIATED WITH LASTHENIA CALIFORNICA, CRASSULA ERECTA, MELICA IMPERFECTA, CARDIONEMA, MIMULUS AURANTIACUS, OPUNTIA PROLIFERA, ARTEMISIA CALIFORNICA, STIPA, ET AL.

Threats:
PORTIONS OF THIS OCCURRENCE EXTIRPATED BY HOUSING AND GOLF COURSE DEVELOPMENT.

General:
1100+ PLANTS IN 4 SUBPOPULATIONS IN 1987. 50 PLANTS IN S-MOST POLYGONS IN 1998. 2001 ROBERTS COLLECTION FROM "CA. 2 KM SE FRENCH HILL, WITHIN THE SHADY CYN DEVELOPMENT" ATTRIBUTED TO THIS OCCURRENCE; 1637 PLANTS HERE, 1520 MORE NEARBY.

PLSS: T06S, R09W, Sec. 23 (S)
Accuracy: specific area
Area (acres): 6
UTM: Zone-11 N3722027 E426697
Latitude/Longitude: 33.63554 / -117.79039
Elevation (feet): 300

County Summary:
Orange

Quad Summary:
Tustin (3311767)

Sources:

ROB01S0013	ROBERTS, F. & M. ERVIN - ROBERTS #5387 RSA #716094 2001-03-21
ROB87F0004	ROBERTS, F. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1987-04-13
ROB87F0005	ROBERTS, F. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1987-04-28
ROB87F0006	ROBERTS, F. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1987-04-28
ROB87F0007	ROBERTS, F. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1987-04-28
WOL98F0012	WOLF, A. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1998-03-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21609
EO Index: 19387
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 78
Occurrence Last Updated: 2018-03-15

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 2016-01-17
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2016-01-17
Occurrence Rank: Good
Owner/Manager: CITY OF LAGUNA BEACH, IRVINE
Trend: Unknown
Presence: Presumed Extant

Location:
ALONG IRVINE CORPORATE BOUNDARY, 2.2 TO 2.6 AIR MILES ENE OF SIGNAL PEAK.

Detailed Location:
4 POLYGONS MAPPED ALONG DIRT ROAD AND A N-S RUNNING RIDGE. WITHIN THE SOUTH 1/2 OF SECTION 25 AND THE NE 1/4 OF THE NE 1/4 OF SECTION 36. PROBABLY PRESENT THROUGHOUT THE N-S RUNNING ESCARPMENT (BETWEEN SE POLYGON AND NE POLYGONS).

Ecological:
ON ROCKY KNOLL AND SANDSTONE CLIFF IN MIXED ANNUAL GRASSLAND AND COASTAL SAGE SCRUB. THE RARE CALOCHORTUS WEEDII VAR. INTERMEDIUS OCCURS ON E-FACING SLOPE OF W COLONY; SITE OF W COLONY RECOVERING FROM 1993 OCTOBER BURN.

Threats:
IMPACT FROM HIKERS, BIKERS.

General:
290 PLANTS IN 2 NE POLYGONS IN 1991 (CHAMBERS GROUP); ROBERTS REPORTED 297 TOTAL IN 1991. 50+ INDIVIDUALS OBSERVED IN W POLYGON IN 1998. 100+ PLANTS IN SE POLYGON IN 2016. INCLUDES FORMER OCCURRENCE #124.

PLSS: T06S, R09W, Sec. 25, S (S)
Accuracy: specific area
Area (acres): 12
UTM: Zone-11 N3720043 E428688
Latitude/Longitude: 33.61778 / -117.76878
Elevation (feet): 800

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

CHA91R0001	CHAMBERS GROUP, INC. - LAGUNA LAUREL BIOLOGICAL RESOURCES REPORT (FINAL) 1991-09-XX
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB92M0001	ROBERTS, F. - MAP OF DUDLEYA MULTICAULIS LOCATIONS ON LAGUNA BEACH QUAD 1992-XX-XX
ROB92U0002	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING DUDLEYA MULTICAULIS (INFO ON THREATS, OWNERSHIP AND HABITAT FOR SEVERAL OCCURRENCES) 1992-06-29
VAN16U0020	VANDERHOFF, R. - OBSERVATION RECORD FOR DUDLEYA MULTICAULIS, CALFLORA ID: PO9760 2016-01-17
WOL98F0008	WOLF, A. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1998-06-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21612
EO Index: 8494
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 79
Occurrence Last Updated: 2015-05-20

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1991-05-28
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-05-28
Occurrence Rank: Unknown
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:
2.7 MILES ESE OF SIGNAL PEAK, 0.3 MILE WEST OF LAGUNA CANYON ROAD, SOUTH OF IRVINE.

Detailed Location:
SITE MAPPED ALONG SHORT SIDE CANYON TRIBUTARY TO LAGUNA CANYON, ABOUT 400 METERS WEST OF HIGHWAY 133 (LAGUNA CANYON ROAD) AND 150 METERS NORTH OF DIRT ROAD.

Ecological:
E-FACING SLOPE ON COBBLE BARREN OPENINGS IN SANDY LOAM SOIL. ASSOCIATED WITH ARTEMISIA CALIFORNICA, SALVIA MELLIFERA, GALIUM ANGUSTIFOLIUM, AND AVENA SP.

Threats:

General:
7 PLANTS SEEN IN 1991. MANAGED BY ORANGE COUNTY.

PLSS: T06S, R09W, Sec. 36, SE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3718207 E428941
Latitude/Longitude: 33.60125 / -117.76590
Elevation (feet): 460

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

CHA91R0001	CHAMBERS GROUP, INC. - LAGUNA LAUREL BIOLOGICAL RESOURCES REPORT (FINAL) 1991-09-XX
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB92M0001	ROBERTS, F. - MAP OF DUDLEYA MULTICAULIS LOCATIONS ON LAGUNA BEACH QUAD 1992-XX-XX
ROB92U0002	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING DUDLEYA MULTICAULIS (INFO ON THREATS, OWNERSHIP AND HABITAT FOR SEVERAL OCCURRENCES) 1992-06-29

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21610
EO Index: 25117
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 80
Occurrence Last Updated: 2015-05-20

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1991-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1991-XX-XX
Occurrence Rank: Unknown
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:
2.4 AIR MILES ENE OF SIGNAL PEAK, 0.7 MILE WEST OF LAGUNA CANYON ROAD.

Detailed Location:
ALONG THE SOUTH SIDE OF AN EAST-WEST RUNNING RIDGE.

Ecological:
ON BARRENS IN SANDY LOAM SOIL WITH SALVIA MELLIFERA, CHORIZANTHE CHRYSACANTHA STATICOIDES, ENCELIA CALIFORNICA, AND PLANTAGO ERECTA. ALSO ON W-FACING SANDSTONE OUTCROP WITH AGROSTIS EXARATA AND SALVIA.

Threats:

General:
290 PLANTS SEEN IN 1991 IN 2 SUBGROUPS. MANAGED BY ORANGE COUNTY.

PLSS: T06S, R09W, Sec. 36, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3719107 E428470
Latitude/Longitude: 33.60933 / -117.77104
Elevation (feet): 760

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

CHA91R0001	CHAMBERS GROUP, INC. - LAGUNA LAUREL BIOLOGICAL RESOURCES REPORT (FINAL) 1991-09-XX
ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB92M0001	ROBERTS, F. - MAP OF DUDLEYA MULTICAULIS LOCATIONS ON LAGUNA BEACH QUAD 1992-XX-XX
ROB92U0002	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING DUDLEYA MULTICAULIS (INFO ON THREATS, OWNERSHIP AND HABITAT FOR SEVERAL OCCURRENCES) 1992-06-29

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21710
EO Index: 14205
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 94
Occurrence Last Updated: 2015-05-07

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1908-05-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 199X-XX-XX
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Extirpated

Location:
CORONA DEL MAR, BLUFFS.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB IN THE VICINITY OF THE BLUFFS AT CORONA DEL MAR.

Ecological:
BLUFFS.

Threats:

General:
ONLY SOURCES OF INFORMATION FOR THIS OCCURRENCE ARE TWO 1908 COLLECTIONS BY DAVIDSON AND ABRAMSON. THIS SITE BELIEVED EXTIRPATED ACCORDING TO ROBERTS.

PLSS: T07S, R10W (S)
Accuracy: 2/5 mile
Area (acres): 0
UTM: Zone-11 N3717281 E418997
Latitude/Longitude: 33.59219 / -117.87298
Elevation (feet): 50

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757), Newport Beach (3311768)

Sources:

ABR08S0006	ABRAMSON - ABRAMSON SN UC #124607 1908-05-01
DAV08S0001	DAVIDSON, A. - DAVIDSON #1983 RSA #397817 1908-05-01
ROB99U0003	ROBERTS, F. - MANY-STEMMED DUDLEYA (DUDLEYA MULTICAULIS) STATUS TREND SUMMARY 1999-09-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 24053
EO Index: 8409
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 95
Occurrence Last Updated: 2015-05-08

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 2005-05-20
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-05-20
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
LAGUNA BEACH: GOFF RIDGE. ALSO WITHIN T8S R8W SECTION 6.

Detailed Location:
EXACT LOCATIONS UNKNOWN. MAPPED AS BEST GUESS BY CNDDB AS 2 POLYGONS: NORTHERN POLYGON MAPPED IN THE VICINITY OF GOFF ISLAND; SOUTHERN POLYGON MAPPED AROUND T8S R8W SECTION 6 BASED ON A NON-SPECIFIC SURVEY FORM FROM SECTIONS 5, 6, 31 & 32.

Ecological:

Threats:
THE AREA WITHIN THE NORTHERN POLYGON IS HEAVILY DEVELOPED, ACCORDING TO AERIAL IMAGERY.

General:
ONLY SOURCES OF INFORMATION FOR THIS OCCURRENCE ARE A 1983 MARSH COLLECTION AND A 2005 ROBB ET AL. FIELD SURVEY FORM WITH VAGUE T-R-S INFORMATION. 81 PLANTS OBSERVED IN 2004/2005 WITHIN SECTIONS 5, 6, 31, & 32. NEEDS FIELDWORK.

PLSS: T07S, R08W, Sec. 31, SW (S)
Accuracy: non-specific area
Area (acres): 210
UTM: Zone-11 N3708699 E429488
Latitude/Longitude: 33.51553 / -117.75925
Elevation (feet):

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

CNP92U0001	CALIFORNIA NATIVE PLANT SOCIETY - COLLECTION OF HERBARIUM LABELS FOR DUDLEYA MULTICAULIS 1992-XX-XX
MAR83S0001	MARSH, K. - MARSH SN IRVC #19564 & #19565 (CITED IN CNP92U0001) 1983-06-09
ROB05F0013	ROBB, L. ET AL. (PCR SERVICES CORPORATION) - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 2005-05-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21721
EO Index: 8414
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 97
Occurrence Last Updated: 2015-05-07

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 198X-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 198X-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
TRIBUTARY TO LAGUNA CANYON, APPROXIMATELY 2.5 KM NE OF TWO ROCK POINT, LAGUNA BEACH.

Detailed Location:

Ecological:

Threats:

General:
MAP DETAIL IS ONLY SOURCE OF INFORMATION FOR THIS SITE.

PLSS: T07S, R09W (S)
Accuracy: non-specific area
Area (acres): 13
UTM: Zone-11 N3713424 E427759
Latitude/Longitude: 33.55803 / -117.77825
Elevation (feet): 500

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

BOW85R0002 BOWLER, P. & S. BROWN - AREAS OF CRITICAL ENVIRONMENTAL CONCERN IN ORANGE COUNTY, CALIFORNIA. PUBLISHED BY SEA AND SAGE AUDUBON SOCIETY 1985-03-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 96069
EO Index: 97220
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 108
Occurrence Last Updated: 2015-05-08

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1985-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1985-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY?
Trend: Unknown
Presence: Presumed Extant

Location:
RIDGE EAST OF LAGUNA CANYON, ABOUT 0.45 MILE EAST OF LAGUNA CANYON RD AND 1 MILE NORTH OF EL TORO RD, LAGUNA HILLS.

Detailed Location:
MAPPED ACCORDING TO A 1991 ROBERTS MAP, WITHIN THE NW 1/4 OF THE SE 1/4 OF SECTION 31. THE SITE IS MARKED ON A SMALL-SCALE MAP; ACCURACY OF THE MAPPED SITE IS UNKNOWN.

Ecological:

Threats:

General:
100 PLANTS OBSERVED IN 1985.

PLSS: T06S, R08W, Sec. 31, SE (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3718611 E430205
Latitude/Longitude: 33.60497 / -117.75230
Elevation (feet): 600

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:
ROB91U0001 ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 38123
EO Index: 33130
Key Quad: El Toro (3311766)
Element Code: PDCRA040H0
Occurrence Number: 110
Occurrence Last Updated: 2006-01-05

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1989-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1989-XX-XX
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
EAST SIDE OF HICKS CANYON ABOUT 1.25 MILES NORTHEAST OF CANYON MOUTH, EAST OF IRVINE.

Detailed Location:

Ecological:

Threats:
ACCORDING TO ROBERTS THIS SITE IS THREATENED BY DEVELOPMENT AND ROAD REALIGNMENT.

General:
516 PLANTS OBSERVED IN 1989.

PLSS: T05S, R08W, Sec. 16, S (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3732540 E433117
Latitude/Longitude: 33.73078 / -117.72197
Elevation (feet): 620

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB92U0002	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING DUDLEYA MULTICAULIS (INFO ON THREATS, OWNERSHIP AND HABITAT FOR SEVERAL OCCURRENCES) 1992-06-29
ROB99U0003	ROBERTS, F. - MANY-STEMMED DUDLEYA (DUDLEYA MULTICAULIS) STATUS TREND SUMMARY 1999-09-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 38124
EO Index: 33131
Key Quad: El Toro (3311766)
Element Code: PDCRA040H0
Occurrence Number: 111
Occurrence Last Updated: 2006-01-05

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1989-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 199X-XX-XX
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Decreasing
Presence: Presumed Extant

Location:
NORTH SIDE OF HICKS CANYON EAST OF MINING OPERATION, ABOUT 1.8 MILES NNE OF CANYON MOUTH, EAST OF IRVINE.

Detailed Location:
FOUR COLONIES REPORTED BY ROBERTS, BUT MAP DETAIL IS NOT SPECIFIC; MAPPED AS TWO NON-SPECIFIC AREAS.

Ecological:

Threats:
ROAD CONSTRUCTION AND DEVELOPMENT.

General:
379 PLANTS OBSERVED TWO COLONIES IN 1989. 120 OF THESE WERE LATER DESTROYED IN THE CONSTRUCTION OF THE EASTERN TRANSPORTATION CORRIDOR.

PLSS: T05S, R08W, Sec. 16, E (S)
Accuracy: non-specific area
Area (acres): 11
UTM: Zone-11 N3733219 E433217
Latitude/Longitude: 33.73691 / -117.72094
Elevation (feet): 620

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

ROB91U0001	ROBERTS, F. - PERSONAL COMMUNICATION REGARDING STATUS OF DUDLEYA MULTICAULIS 1991-12-XX
ROB99U0003	ROBERTS, F. - MANY-STEMMED DUDLEYA (DUDLEYA MULTICAULIS) STATUS TREND SUMMARY 1999-09-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 38119
EO Index: 33126
Key Quad: San Juan Capistrano (3311756)
Element Code: PDCRA040H0
Occurrence Number: 115
Occurrence Last Updated: 2015-05-20

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1988-05-12
Occurrence Type: Natural/Native occurrence
Last Survey Date: 199X-XX-XX
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Possibly Extirpated

Location:
CREST OF RIDGE ALONG EAST SIDE OF WOOD CANYON, ABOUT 2.5 MILES NORTH OF JUNCTION WITH ALISO CREEK, SW OF LAGUNA HILLS.

Detailed Location:
MAPPED AT MULTON 887' BENCHMARK.

Ecological:
COASTAL SAGE SCRUB WITH ARTEMISIA CALIFORNICA, ENCELIA CALIFORNICA, AND OPUNTIA. STONY SOILS WITH BURIED OUTCROPS. ON NORTHWEST-FACING SLOPE OF HILL CREST.

Threats:
MOST OF THIS SITE HAS BEEN REMOVED FOR CONSTRUCTION OF A WATER TOWER. WITHIN TRANSPORTATION CORRIDOR.

General:
15 PLANTS OBSERVED IN 1988, ACCORDING TO ROBERTS THIS SITE MAY BE EXTIRPATED.

PLSS: T07S, R08W, Sec. 08, SW (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3715344 E430984
Latitude/Longitude: 33.57556 / -117.74365
Elevation (feet): 860

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

ROB99U0003	ROBERTS, F. - MANY-STEMMED DUDLEYA (DUDLEYA MULTICAULIS) STATUS TREND SUMMARY 1999-09-13
SCH88F0023	SCHEIDT, V.N. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1988-05-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 47966
EO Index: 47966
Key Quad: Tustin (3311767)
Element Code: PDCRA040H0
Occurrence Number: 116
Occurrence Last Updated: 2015-05-20

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1998-04-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-04-24
Occurrence Rank: Unknown
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:
1.4 AIR MILES SSE OF FRENCH HILL, BETWEEN BOMMER CANYON & SHADY CANYON, SAN JOAQUIN HILLS.

Detailed Location:
SOUTH OF TURTLE ROCK NATURE CENTER PARKING LOT, BETWEEN 2 ACCESS ROADS.

Ecological:
ROCK OUTCROP WITH VULPIA MYUROS, BROMUS DIANDRUS, AND AVENA FATUA GRASSLAND.

Threats:
LOCALITY MAY BE EXTIRPATED BY FUTURE HOUSING DEVELOPMENT.

General:
25+ INDIVIDUALS OBSERVED IN 1998.

PLSS: T06S, R09W, Sec. 22, SE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3721450 E425789
Latitude/Longitude: 33.63028 / -117.80013
Elevation (feet): 250

County Summary:
Orange

Quad Summary:
Tustin (3311767)

Sources:
WOL98F0015 WOLF, A. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1998-04-24

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 47999
EO Index: 47999
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 119
Occurrence Last Updated: 2015-05-28

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1998-04-25
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-04-25
Occurrence Rank: Good
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:
UPPER CENTRAL RIDGE OF BOMMER CANYON, APPROXIMATELY 0.7 AIR MILE NORTHEAST OF SIGNAL PEAK.

Detailed Location:

Ecological:
ROCK OUTCROP WITH HORDIUM INTERCEDENS & BRACHYPODIUM DISTACHYA.

Threats:

General:
20+ PLANTS OBSERVED IN 1998. LOCATION WITHIN NCCP SUBREGION WHICH WILL BE DEDICATED TO RESERVE.

PLSS: T06S, R09W, Sec. 34, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3719149 E425670
Latitude/Longitude: 33.60952 / -117.80122
Elevation (feet): 740

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
WOL98F0009 WOLF, A. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1998-04-25

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 48002
EO Index: 48002
Key Quad: El Toro (3311766)
Element Code: PDCRA040H0
Occurrence Number: 120
Occurrence Last Updated: 2002-06-28

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1998-03-16
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-03-16
Occurrence Rank: Excellent
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
SOUTHWEST RIDGE ABOVE RATTLESNAKE CANYON, APPROXIMATELY 0.5 AIR MILE NORTHEAST OF RATTLESNAKE RESERVOIR.

Detailed Location:

Ecological:
WITHIN COASTAL SAGE SCRUB, INCLUDED CHAENACTIS GLABRIUSCULA, CHAENACTIS ARTEMISIIFOLIA, AND ERIOGONUM FASCICULATUM.

Threats:

General:
50+ PLANTS OBSERVED IN 1998. LOCALITY IN RESERVE.

PLSS: T05S, R08W, Sec. 17, SE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3733177 E432159
Latitude/Longitude: 33.73647 / -117.73236
Elevation (feet): 640

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:
WOL98F0020 WOLF, A. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1998-03-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 48003
EO Index: 48003
Key Quad: El Toro (3311766)
Element Code: PDCRA040H0
Occurrence Number: 121
Occurrence Last Updated: 2002-06-28

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive
CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1998-03-16
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-03-16
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
SOUTHWEST RIDGE ABOVE RATTLESNAKE CANYON, APPROXIMATELY 0.9 AIR MILE NORTHEAST OF RATTLESNAKE RESERVOIR.

Detailed Location:

Ecological:
WITHIN COASTAL SAGE SCRUB, INCLUDING CALOCHORTUS CATALINAE, BLOOMERIA CROCEA, VULPIA MYUROS, & PLANTAGO ERECTA.

Threats:

General:
20+ PLANTS OBSERVED IN 1998. LOCALITY IN RESERVE.

PLSS: T05S, R08W, Sec. 16, NW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3733503 E432653
Latitude/Longitude: 33.73944 / -117.72705
Elevation (feet): 640

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:
WOL98F0020 WOLF, A. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1998-03-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53902
EO Index: 53902
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 130
Occurrence Last Updated: 2004-01-12

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1998-05-14
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-05-14
Occurrence Rank: Good
Owner/Manager: PVT, TNC
Trend: Unknown
Presence: Presumed Extant

Location:
CENTRAL SHADY CANYON, 1.5 AIR MILES NORTHEAST OF SIGNAL PEAK, CITY OF IRVINE, SAN JOAQUIN HILLS.

Detailed Location:
THREE SMALL COLONIES MAPPED AS ONE POLYGON BY CNDDB. WEST OF DIRT ROAD.

Ecological:
GROWING ON EAST-FACING SLOPE ALONG BORDERS OF SANDSTONE OUTCROPS AND SMALL CLAY BARRENS IN OPEN MIXED GRASSLAND-COASTAL SAGE SCRUB MOSAIC RECOVERING FROM OCTOBER 1993 BURN. ASSOCIATED WITH SISYRINCHIUM BELLUM, LOTUS SCOPARIUS, ET AL.

Threats:
INVASION BY AGGRESSIVE NON-NATIVE GRASSES AND FORBS.

General:
56 PLANTS SEEN IN 1998 BY ROBERTS. SITE IS WITHIN CENTRAL COASTAL NCCP PRESERVE. NEEDS MANAGEMENT TO REDUCE EXOTIC SPECIES.

PLSS: T06S, R09W, Sec. 26, SE (S)
Accuracy: specific area
Area (acres): 3
UTM: Zone-11 N3719970 E427212
Latitude/Longitude: 33.61703 / -117.78467
Elevation (feet): 400

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
ROB98F0002 ROBERTS, F. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 1998-05-14

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53940
EO Index: 53940
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040H0
Occurrence Number: 131
Occurrence Last Updated: 2004-01-15

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 1949-04-11
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1949-04-11
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
EMERALD BAY, LAGUNA BEACH.

Detailed Location:
MAPPED IN GENERAL VICINITY OF EMERALD BAY BY CNDDB.

Ecological:

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1949 COLLECTION BY MORAN. NEEDS FIELDWORK.

PLSS: T07S, R09W, Sec. 22 (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3712875 E425032
Latitude/Longitude: 33.55289 / -117.80757
Elevation (feet): 75

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
MOR49S0009 MORAN, R. - MORAN #3216 UC #792937 1949-04-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 77796
EO Index: 78692
Key Quad: El Toro (3311766)
Element Code: PDCRA040H0
Occurrence Number: 145
Occurrence Last Updated: 2015-05-11

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 2008-05-14
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-05-14
Occurrence Rank: None
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Possibly Extirpated

Location:
WEST SIDE OF LOMA RIDGE, 1.9 AIR MILES EAST OF RATTLESNAKE RESERVOIR.

Detailed Location:
BURNED IN OCTOBER 2007. A 2008 ROBERTS COLLECTION FROM "SUMMIT OF BEE PEAK...GENTLE NW-FACING ASPECT" IS ATTRIBUTED TO THIS SITE. 2014 AERIAL IMAGERY SHOWS BEE PEAK ALMOST COMPLETELY GRADED FOR LANDFILL EXPANSION. PLANTS LIKELY EXTIRPATED.

Ecological:
N-FACING ON MODERATELY STEEP SLOPE IN BUCKWHEAT-SAGEBRUSH SCRUB. RIDGETOP, GENTLE NW ASPECT, COBBLY, GRAVELLY CLAY IN OPENING OF COASTAL SAGE SCRUB. CALLEGUAS CLAY LOAM. THE RARE CALOCHORTUS WEEDII VAR. INTERMEDIUS & C. CATALINAE ALSO HERE.

Threats:
LANDFILL EXPANSION.

General:
1245 PLANTS OBSERVED IN 2000. 1839 PLANTS IN 2005. 6 PLANTS IN 2008. 2000 ROBERTS COLLECTION NOTES, "POPULATION ALL OR MOSTLY DESTROYED BY GRADING IN SPRING OF 2009 DESPITE BEING WITHIN HCP CONSERVATION AREA."

PLSS: T05S, R08W, Sec. 22, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3732310 E434992
Latitude/Longitude: 33.72882 / -117.70171
Elevation (feet): 1,640

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

LEA05F0024	LEATHERMAN, S. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS 2005-06-07
ROB00S0006	ROBERTS, F. - ROBERTS #5327 RSA #747594 2000-05-19
ROB08S0017	ROBERTS, F. - ROBERTS #6971 RSA #752105 2008-05-14

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 77797
EO Index: 78693
Key Quad: Tustin (3311767)
Element Code: PDCRA040H0
Occurrence Number: 146
Occurrence Last Updated: 2010-01-11

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 2003-04-20
Occurrence Type: Transplant Outside of Native Hab./Range
Last Survey Date: 2003-04-20
Occurrence Rank: Unknown
Owner/Manager: UCNR-SAN JOAQUIN MARSH
Trend: Unknown
Presence: Presumed Extant

Location:
UC SAN JOAQUIN FRESHWATER MARSH RESERVE; BLUFFS ALONG NW EDGE OF MARSH.

Detailed Location:
THESE ARE RESTORATION PLANTS THAT WERE ORIGINALLY COLLECTED AT THE UC IRVINE CAMPUS, "FROM THE CANYON NEAR THE ENVIRONMENTAL HEALTH & SAFETY FACILITY; ROCKY KNOLL BY CRAWFORD BRIDGE." (COLLECTION SITE ATTRIBUTED TO EO #42.)

Ecological:
MARSH.

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS 2003 BOWLER COLLECTION.

PLSS: T06S, R09W, Sec. 07 (S)
Accuracy: non-specific area
Area (acres): 41
UTM: Zone-11 N3724877 E420754
Latitude/Longitude: 33.66082 / -117.85472
Elevation (feet): 5

County Summary:
Orange

Quad Summary:
Tustin (3311767)

Sources:
BOW03S0001 BOWLER, P. - BOWLER SN IRVC #27013 2003-04-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 96136
EO Index: 97292
Key Quad: El Toro (3311766)
Element Code: PDCRA040H0
Occurrence Number: 174
Occurrence Last Updated: 2015-05-26

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 2005-07-14
Occurrence Type: Transplant Outside of Native Hab./Range
Last Survey Date: 2005-07-14
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
APPROXIMATELY 1 AIR MILE NNE OF THE SINKS, LIMESTONE CANYON.

Detailed Location:
MITIGATION SITE. MAPPED ACCORDING TO COORDINATES FROM A JONES ET AL RESEARCH PAPER, WITHIN THE SE 1/4 OF THE NE 1/4 OF SECTION 24.

Ecological:

Threats:

General:
UNKNOWN NUMBER OF PLANTS OBSERVED IN 2005. EXTENT OF POPULATION IS UNKNOWN. THIS IS A MITIGATION SITE FOR THE SANTIAGO HILLS II PLANNED COMMUNITY, AND IS PART OF A PILOT STUDY FOR FUTURE MITIGATION.

PLSS: T05S, R08W, Sec. 24, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3731903 E438667
Latitude/Longitude: 33.72537 / -117.66201
Elevation (feet): 1,400

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

JON10A0001 JONES, C. ET AL. - POLLINATION AND REPRODUCTION IN NATURAL AND MITIGATION POPULATIONS OF THE MANY-STEMMED DUDLEYA, DUDLEYA MULTICAULIS (CRASSULACEAE). MADRONO 57(1): 42-53. 2010-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 96137
EO Index: 97293
Key Quad: El Toro (3311766)
Element Code: PDCRA040H0
Occurrence Number: 175
Occurrence Last Updated: 2015-05-18

Scientific Name: *Dudleya multicaulis*
Common Name: many-stemmed dudleya

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive
CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:
CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
IN HEAVY, OFTEN CLAYEY SOILS OR GRASSY SLOPES. 1-910 M.

Last Date Observed: 2008-06-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-06-10
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
LOMA RIDGE, ABOVE AND TO THE WEST OF THE HAUL ROAD, 2.3 KM NNW OF BEE PEAK.

Detailed Location:
LOCALITY INCLUDES "IRVINE RANCH CONSERVANCY". MAPPED ACCORDING TO COORDINATES ON HERBARIUM LABEL, NEAR THE CENTER OF THE SW 1/4 OF PROJECTED SECTION 10. DATUM NOT PROVIDED, BUT NAD83 IS CLOSER TO THE GIVEN ELEVATION OF 1407 FT.

Ecological:
ALONG RIDGE ON ROCKY, LOAMY CLAY IN OPEN COASTAL SAGE SCRUB BURNED IN OCTOBER 2007. ASSOCIATED WITH ARTEMISIA CALIFORNICA, SALVIA MELLIFERA, S. APIANA, ERODIUM CICUTARIUM, AND CALOCHORTUS WEEDII VAR. INTERMEDIUS.

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2008 ROBERTS COLLECTION. NOTED AS "INFREQUENT".

PLSS: T05S, R08W, Sec. 10, SW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3734445 E434345
Latitude/Longitude: 33.74804 / -117.70885
Elevation (feet): 1,407

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:
ROB08S0018 ROBERTS, F. - ROBERTS #7037 RSA #773547 2008-06-10

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02756
EO Index: 8956
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040P0
Occurrence Number: 1
Occurrence Last Updated: 2021-03-22

Scientific Name: *Dudleya stolonifera*
Common Name: Laguna Beach dudleya

Listing Status: **Federal:** Threatened
State: Threatened
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

CNDDB Element Ranks: **Global:** G1
State: S1

General Habitat:

CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

IN THIN SOIL ON NORTH-FACING SANDSTONE CLIFFS. 5-185 M.

Last Date Observed: 2021-02-11
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2021-02-11
Occurrence Rank: Good
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Stable
Presence: Presumed Extant

Location:

LAGUNA CANYON, "BIG BEND" ABOUT 1.6 MILES ABOVE CANYON MOUTH, ALISO AND WOOD CANYONS WILDERNESS PARK.

Detailed Location:

MAPPED ACCORDING TO A 1983 MARSH MAP, 2005 POLSTON-BARNES COORDINATES, AND 2021 VANDERHOFF COORDINATES. PLANT POACHING IS AN EMERGING CONCERN BUT MOST OF THESE PLANTS ARE NOT EASILY ACCESSIBLE.

Ecological:

STEEP (60-90 DEGREE), MOSTLY N FACING SANDSTONE CLIFFS AND LARGE ROCKS. ASSOCIATED WITH CLADONIA SP LICHEN, VARIOUS MOSS BRYOPHYTES AND POLYPODIUM CALIFORNICUM. DUDLEYA MULTICAULIS GROWS WITHIN A FEW METERS.

Threats:

DEVELOPMENT NEARBY. FIRE, VISITOR USE AND SIGNS OF ROCK VANDALISM (CARVING), ILLEGAL TRAIL USE, INBREEDING.

General:

1001-10,000 PLANTS IN 1980. RELATIVELY LARGE POP WITH 10,000+ PLANTS IN JUNE 1983. AREA BURNED IN JULY 1983, BUT PLANTS RELATIVELY UNDISTURBED & ABUNDANT IN 1984. SEEN IN 2005, 2010, 2011, 2017, & 2018. 1000-5000+ OVER 2-3 ACRES IN 2021.

PLSS: T07S, R09W, Sec. 13, SE (S)
Accuracy: specific area
Area (acres): 19
UTM: Zone-11 N3713702 E428921
Latitude/Longitude: 33.56061 / -117.76576
Elevation (feet): 400

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

BAI20U0003	BAILEY, J. - OBSERVATIONS OF DUDLEYA STOLONIFERA DOWNLOADED FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-03-10. 2020-08-14
BAR82R0001	BARTEL, J. - AMENDMENTS TO APPENDICES I AND II OF THE CONVENTION 1982-10-XX
BIT85U0007	BITTMAN, R. - ELEMENT PRESERVATION PLAN 1985-11-22
COC84U0005	COCHRANE, S. - TRIP REPORT DATED MARCH 29, 1984, REFERRING TO FIELD VISIT FOR OCCURRENCES #1 AND #4 WITH KAREN MARSH ON MARCH 7, 1984. 1984-03-29
MAR83F0007	MARSH, K. - FIELD SURVEY FORM FOR DUDLEYA STOLONIFERA 1983-06-XX
MAR84U0005	MARSH, K. - RECORD OF PHONE CONVERSATION WITH S. COCHRANE REGARDING OCCURRENCES #2 & #4 1984-03-01
MCC11S0002	MCCABE, S. - MCCABE SN SBBG 2011-04-30
MOR49S0013	MORAN, R. - MORAN #3286 UC #905134, POM #301408, CAS #370862, DS #342183, CAS-BOT-BC #109743 & #109741, NY #24581, GH #376724 1949-07-02
MOR50S0001	MORAN, R. - MORAN #3411 UC #1015150, SD #45416, CAS #384552, CAS-BOT-BC #109744 1950-05-24
MOR77U0001	MORGAN, R. - CNPS RARE PLANT STATUS REPORT FOR DUDLEYA STOLONIFERA 1977-XX-XX
NAK80F0001	NAKAI, K. - FIELD SURVEY FORM FOR DUDLEYA STOLONIFERA 1980-09-XX
POL05F0006	POLSTON-BARNES, J. - FIELD SURVEY FORM FOR DUDLEYA MULTICAULIS & DUDLEYA STOLONIFERA 2005-05-27
ROB84S0002	ROBERTS, F. - ROBERTS #1360 IRVC #25030 1984-04-29
ROB85U0001	ROBERTS, F. - LETTER TO ROXANNE BITTMAN 1985-09-15
ROB85U0002	ROBERTS, F. - NOTES FROM PHONE CONVERSATION WITH ROXANNE BITTMAN 1985-11-22
VAN10I0004	VANDERHOFF, R. - PHOTO OF DUDLEYA STOLONIFERA, CALPHOTOS ID: 0000 0000 1215 3985 2010-06-07
VAN18I0002	VANDERHOFF, R. - PHOTOS OF DUDLEYA STOLONIFERA, CALPHOTOS ID: 0000 0000 0318 3968 & 3970 2018-03-29
VAN21F0001	VANDERHOFF, R. (CALIFORNIA NATIVE PLANT SOCIETY) - FIELD SURVEY FORM FOR DUDLEYA STOLONIFERA 2021-02-11
VAN21U0001	VANDERHOFF, R. - OBSERVATIONS OF DUDLEYA STOLONIFERA DOWNLOADED FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-03-10. 2021-02-11
VAN21U0002	VANDERHOFF, R. - SHAPEFILE OF DUDLEYA STOLONIFERA OBSERVATIONS DOWNLOADED FROM CALFLORA 2021-02-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02787
EO Index: 9314
Key Quad: San Juan Capistrano (3311756)
Element Code: PDCRA040P0
Occurrence Number: 2
Occurrence Last Updated: 2021-03-18

Scientific Name: *Dudleya stolonifera*
Common Name: Laguna Beach dudleya

Listing Status: **Federal:** Threatened
State: Threatened
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

CNDDB Element Ranks: **Global:** G1
State: S1

General Habitat:

CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

IN THIN SOIL ON NORTH-FACING SANDSTONE CLIFFS. 5-185 M.

Last Date Observed: 2020-08-14
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-08-14
Occurrence Rank: Good
Owner/Manager: PVT, ORA COUNTY
Trend: Decreasing
Presence: Presumed Extant

Location:

CLIFF FACE ON SOUTH SIDE OF THE MOUTH OF ALISO CANYON, SOUTH OF LAGUNA BEACH.

Detailed Location:

OPPOSITE BEN BROWN INN MOTEL UNITS. MAPPED BY CNDDB TO INCLUDE AREA SHOWN ON 1985 ROBERTS MAP (ALONG WITH AERIAL IMAGERY OF APPROPRIATE HABITAT) AND 2020 BAILEY COORDINATES.

Ecological:

ON STEEP NORTH-FACING ROCK FACE ASSOCIATED WITH JEPSONIA PARRYI, DUDLEYA EDULIS, D. LANCEOLATA, ERIOGONUM FASCICULATUM, RHUS INTEGRIFOLIA, DIPLACUS PUNICEUS. SAN ONOFRE BRECCIA.

Threats:

OVERCOLLECTION, CREEK WIDENING. HOUSING ON CLIFF AND CANYON MOUTH, RUNOFF. NONNATIVES DEGRADING ADJACENT HABITAT.

General:

TYPE LOCALITY. 101-1000 IN 1978, ~2000 IN 1985, 101-1000 IN 1986, 1000+ IN 1991, SEEN IN 1993, 3300-3600 IN 2004/2005, SEEN IN 2010, 101-1000 IN 2017, SEEN IN 2020. ALSO COLLECTED AT THIS SITE SEVERAL TIMES BETWEEN 1912 AND 1978.

PLSS: T08S, R08W, Sec. 6, NE (S)
Accuracy: specific area
Area (acres): 11
UTM: Zone-11 N3708211 E430518
Latitude/Longitude: 33.51119 / -117.74812
Elevation (feet): 138

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

BAI20U0003	BAILEY, J. - OBSERVATIONS OF DUDLEYA STOLONIFERA DOWNLOADED FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-03-10. 2020-08-14
BAR82R0001	BARTEL, J. - AMENDMENTS TO APPENDICES I AND II OF THE CONVENTION 1982-10-XX
BIT85U0007	BITTMAN, R. - ELEMENT PRESERVATION PLAN 1985-11-22
CPR19U0001	CALIFORNIA PLANT RESCUE - SEED BANK DATA FOR THE CALIFORNIA PLANT RESCUE PROJECT 2019-07-24
HOW67S0045	HOWE, D. - HOWE #4363 SD #114480 1967-05-30
LIN93F0013	LINDSEY, M. - FIELD SURVEY FORM FOR DUDLEYA STOLONIFERA 1993-06-10
LOZ91F0004	LOZIER, L. - FIELD SURVEY FORM FOR DUDLEYA STOLONIFERA 1991-06-21
MAL52S0002	MALLOY, J. - MALLOY SN LA #214225 1952-05-30
MAR84U0005	MARSH, K. - RECORD OF PHONE CONVERSATION WITH S. COCHRANE REGARDING OCCURRENCES #2 & #4 1984-03-01
MAR84U0006	MARSH, G. - RECORD OF PHONE CONVERSATION WITH S. COCHRANE REGARDING OCCURRENCE #2 1984-02-16
MOR48S0001	MORAN, R. - MORAN #3095 UC #806717, #905132, DS #342181, CAS-BOT-BC #213761, POM #301406, RSA #0002523, NY #387890 & #387891, MO #1814435, SEINET #10576510 1948-06-23
MOR49S0012	MORAN, R. - MORAN #3259 UC #933268 1949-05-28
MOR49S0014	MORAN, R. - MORAN #3287 UC #905131, RSA #397833, DS #342180, CAS-BOT-BC #109742, LA #202504 1949-07-02
MOR77S0003	MORAN, R. - MORAN #24238 SD #130042 1977-06-13
MOR77U0001	MORGAN, R. - CNPS RARE PLANT STATUS REPORT FOR DUDLEYA STOLONIFERA 1977-XX-XX
NAK78F0001	NAKAI, K. - FIELD SURVEY FORM FOR DUDLEYA STOLONIFERA 1978-04-19
NAK78S0009	NAKAI, K. - NAKAI #359 CAS #637312, CAS-BOT-BC #109745, LA #202506 1978-04-19
PER12S0001	PERKINS, A. - PERKINS SN RSA #423513 1912-08-22
REE25S0002	REED, F. - REED #4994 POM #48549, RSA 1925-05-14
ROB05F0014	ROBB, L. ET AL. (PCR SERVICES CORPORATION) - FIELD SURVEY FORM FOR DUDLEYA STOLONIFERA 2005-05-20
ROB85F0002	ROBERTS, F. - FIELD SURVEY FORM FOR DUDLEYA STOLONIFERA 1985-05-14
ROB85U0004	ROBERTS, F. - ELEMENT PRESERVATION PLAN ELEMENT OCCURRENCE EVALUATION FORM 1985-05-14
VAN10I0001	VANDERHOFF, R. - PHOTOS OF DUDLEYA STOLONIFERA, CALPHOTOS ID: 0000 0000 1215 3981-3983 2010-05-06
VAN10I0002	VANDERHOFF, R. - PHOTO OF DUDLEYA STOLONIFERA, CALPHOTOS ID: 0000 0000 1215 3988 2010-06-06
VAN21U0002	VANDERHOFF, R. - SHAPEFILE OF DUDLEYA STOLONIFERA OBSERVATIONS DOWNLOADED FROM CALFLORA 2021-02-11
WIS86F0001	WISHNER, W. - FIELD SURVEY FORM FOR DUDLEYA STOLONIFERA 1986-09-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02758
EO Index: 8958
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040P0
Occurrence Number: 4
Occurrence Last Updated: 2021-03-18

Scientific Name: *Dudleya stolonifera*
Common Name: Laguna Beach dudleya

Listing Status: **Federal:** Threatened
State: Threatened
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

CNDDB Element Ranks: **Global:** G1
State: S1

General Habitat:

CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

IN THIN SOIL ON NORTH-FACING SANDSTONE CLIFFS. 5-185 M.

Last Date Observed: 2019-05-16
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2019-05-16
Occurrence Rank: Good
Owner/Manager: DFG-LAGUNA LAUREL ER
Trend: Decreasing
Presence: Presumed Extant

Location:

MOUTH OF LAUREL CANYON (=WILLOW CANYON) OFF OF LAGUNA CANYON.

Detailed Location:

MAPPED TO INCLUDE A 1985 ROBERTS MAP, 1991 CHAMBERS GROUP MAP, AND 2019 VANDERHOFF COORDINATES. NEAR THE COMMON CORNER OF SECTIONS 1, 6, 7, AND 12.

Ecological:

ON STEEP NORTH-FACING SANDSTONE CLIFFS OF STEEP ROCK OUTCROPS IN THIN SOIL BOUND WITH MOSS. ASSOCIATED WITH POLYPODIUM CALIFORNICUM, ANTIRRHINUM NUTALLII, DUDLEYA LANCEOLATA, HAPLOPAPPUS PINIFOLIUS, RHUS INTEGRIFOLIA, ETC.

Threats:

LAND CURRENTLY OWNED BY CDFW, DEVELOPMENT NO LONGER A THREAT. POACHING, INVASIVES, FIRE, GENETIC INTROGRESSION, DROUGHT.

General:

1000-10,000 PLANTS IN 1982. 50-100 PLANTS IN 1984. ABOUT 800 PLANTS IN 1985. 2561 PLANTS IN 1991. UNKNOWN NUMBER OF PLANTS SEEN IN 2010, 2013, 2017, & 2018. 500 PLANTS IN 2019. POP MAY BE DECREASING AS A RESULT OF EXTENDED DROUGHT.

PLSS: T07S, R08W, Sec. 7, NW (S)
Accuracy: specific area
Area (acres): 5
UTM: Zone-11 N3716324 E429155
Latitude/Longitude: 33.58427 / -117.76345
Elevation (feet): 263

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

BAI20U0003	BAILEY, J. - OBSERVATIONS OF DUDLEYA STOLONIFERA DOWNLOADED FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-03-10. 2020-08-14
BIT85U0007	BITTMAN, R. - ELEMENT PRESERVATION PLAN 1985-11-22
CHA91R0001	CHAMBERS GROUP, INC. - LAGUNA LAUREL BIOLOGICAL RESOURCES REPORT (FINAL) 1991-09-XX
COC84F0001	COCHRANE, S. - FIELD SURVEY FORM FOR DUDLEYA STOLONIFERA 1984-03-07
COC84U0005	COCHRANE, S. - TRIP REPORT DATED MARCH 29, 1984, REFERRING TO FIELD VISIT FOR OCCURRENCES #1 AND #4 WITH KAREN MARSH ON MARCH 7, 1984. 1984-03-29
MAR84U0005	MARSH, K. - RECORD OF PHONE CONVERSATION WITH S. COCHRANE REGARDING OCCURRENCES #2 & #4 1984-03-01
MOR77S0002	MORAN, R. - MORAN #24230 RSA #534167, SD #129960, UCR #67711, SBBG #96432, DAV #101938 & #119329, CAS #832885, CAS-BOT-BC #109746 1977-06-13
MOR77U0001	MORGAN, R. - CNPS RARE PLANT STATUS REPORT FOR DUDLEYA STOLONIFERA 1977-XX-XX
MOR82U0001	MORAN, R. - NOTE CARD TO RICK YORK 1982-10-04
NAK82F0001	NAKAI, K. - FIELD SURVEY FORM FOR DUDLEYA STOLONIFERA 1982-10-16
PRC84R0001	PRC ENGINEERING, INC. - SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR BIOLOGICAL RESOURCE ANALYSIS 1984-04-11
ROB85F0001	ROBERTS, F. - FIELD SURVEY FORM FOR DUDLEYA STOLONIFERA 1985-05-16
ROB85S0005	ROBERTS, F. - ROBERTS #1815 IRVC #22787 1985-05-16
ROB85U0003	ROBERTS, F. - ELEMENT PRESERVATION PLAN ELEMENT OCCURRENCE EVALUATION FORM 1985-05-16
VAN10I0003	VANDERHOFF, R. - PHOTOS OF DUDLEYA STOLONIFERA, CALPHOTOS ID: 0000 0000 1215 3986 & 3987 2010-07-13
VAN13I0003	VANDERHOFF, R. - PHOTO OF DUDLEYA STOLONIFERA, CALPHOTOS ID: 0000 0000 1215 3984 2013-02-07
VAN21U0001	VANDERHOFF, R. - OBSERVATIONS OF DUDLEYA STOLONIFERA DOWNLOADED FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-03-10. 2021-02-11
VAN21U0002	VANDERHOFF, R. - SHAPEFILE OF DUDLEYA STOLONIFERA OBSERVATIONS DOWNLOADED FROM CALFLORA 2021-02-11
YOR82U0002	YORK, R. - NOTES ON LOCATION & MAPPING PROCEDURE 1982-10-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02745
EO Index: 8955
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040P0
Occurrence Number: 5
Occurrence Last Updated: 2021-03-25

Scientific Name: *Dudleya stolonifera*
Common Name: Laguna Beach dudleya

Listing Status: **Federal:** Threatened
State: Threatened
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

CNDDB Element Ranks: **Global:** G1
State: S1

General Habitat:

CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

IN THIN SOIL ON NORTH-FACING SANDSTONE CLIFFS. 5-185 M.

Last Date Observed: 1982-10-29
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1982-10-29
Occurrence Rank: Fair
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

CANYON ACRES, LAGUNA BEACH.

Detailed Location:

MAPPED TO INCLUDE AREA SHOWN ON A 1982 MARSH MAP AS WELL AS GIVEN ADDRESS OF 507 CANYON ACRES DRIVE WHICH IS FURTHER EAST THAN AREA SHOWN ON MAP.

Ecological:

NORTH-FACING VERTICAL SANDSTONE OUTCROPS IN CHAPARRAL/SOUTHERN OAK WOODLAND. ASSOCIATED WITH HETEROMELES ARBUTIFOLIA, QUERCUS SHRUB HYBRID, Q. AGRIFOLIA, POLYPODIUM CALIFORNICUM, DUDLEYA LANCEOLATA, MOSSES, AND LICHENS.

Threats:

ONE SITE CLEARED BY LANDOWNER.

General:

FEWER THAN 60 PLANTS IN 2 POPULATIONS IN 1982.

PLSS: T07S, R09W, Sec. 24, NE (S)
Accuracy: 1/5 mile
Area (acres): 70
UTM: Zone-11 N3712621 E428477
Latitude/Longitude: 33.55083 / -117.77045
Elevation (feet): 400

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

MAR82F0003 MARSH, G.M. & G.A. MARSH - FIELD SURVEY FORM FOR DUDLEYA STOLONIFERA 1982-10-29

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02742
EO Index: 8957
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040P0
Occurrence Number: 6
Occurrence Last Updated: 1996-01-02

Scientific Name: *Dudleya stolonifera*
Common Name: Laguna Beach dudleya

Listing Status: **Federal:** Threatened
State: Threatened
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

CNDDB Element Ranks: **Global:** G1
State: S1

General Habitat:

CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

IN THIN SOIL ON NORTH-FACING SANDSTONE CLIFFS. 5-185 M.

Last Date Observed: 1974-04-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1974-04-XX
Occurrence Rank: Fair
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

LATERAL CANYON "B", OF LAGUNA CANYON, 0.85 MILE NORTH OF CANYON ACRES.

Detailed Location:

SEEN NEAR DAM SITE. PREVIOUSLY ON PRIVATE PROPERTY BUT SITE IS NOW IN LAGUNA COAST WILDERNESS PARK.

Ecological:

Threats:

General:

SMALL POPULATION IN 1974. "A SMALL COLONY OF WHAT APPEARS TO BE DUDLEYA STOLONIFERA WAS LOCATED NEAR THE DAM SITE."

PLSS: T07S, R09W, Sec. 13 (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3714271 E428354
Latitude/Longitude: 33.56571 / -117.77191
Elevation (feet): 200

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

MAR74R0001 MARSH, G.A. & P.Y. O'BRIEN - FIELD SURVEY FORM WRITTEN FROM INFO IN ENVIRONMENTAL IMPACT ON THE PLANTS & ANIMALS OF THE LAGUNA CANYON BY CONSTRUCTION OF FLOOD CONTROL ALTERNATIVES (11 PGS.). 1974-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 21363
EO Index: 8492
Key Quad: Laguna Beach (3311757)
Element Code: PDCRA040P0
Occurrence Number: 7
Occurrence Last Updated: 2021-03-22

Scientific Name: *Dudleya stolonifera*
Common Name: Laguna Beach dudleya

Listing Status: **Federal:** Threatened
State: Threatened
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden

CNDDB Element Ranks: **Global:** G1
State: S1

General Habitat:

CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

IN THIN SOIL ON NORTH-FACING SANDSTONE CLIFFS. 5-185 M.

Last Date Observed: 2019-01-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2019-01-10
Occurrence Rank: Excellent
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:

TRIBUTARY OF MATHIS CANYON IN LAGUNA BEACH; JUST BELOW TEMPLE HILL.

Detailed Location:

MAPPED AS 3 POLYGONS ACCORDING TO 2019 VANDERHOFF COORDINATES. IN THE SOUTH 1/2 OF SECTION 18 AND THE NORTH 1/2 OF SECTION 19.

Ecological:

N AND NW-FACING SANDSTONE CLIFFS, ASSOCIATED WITH POLYPODIUM CALIFORNICUM, VARIOUS MOSSES AND LICHENS. SHADED ROCKS, USUALLY 60-90 DEGREE ASPECT.

Threats:

DEVELOPMENT THREATENED IN 1991 BUT SITE IS CURRENTLY ON CITY OF LAGUNA BEACH PARK PROPERTY.

General:

20,000 PLANTS SEEN IN 1991. SEEN BY MESSINA IN 1991, BUT HE INDICATED POPULATION WAS SEEN BY KARLIN MARSH IN 1992. 101-1000 PLANTS OBSERVED IN 2015. 5000-10,000 PLANTS OBSERVED IN 2019.

PLSS: T07S, R08W, Sec. 18, S (S)
Accuracy: specific area
Area (acres): 2
UTM: Zone-11 N3713216 E430028
Latitude/Longitude: 33.55631 / -117.7538
Elevation (feet): 700

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

MES91F0001	MESSINA, J. - FIELD SURVEY FORM FOR DUDLEYA STOLONIFERA 1991-06-XX
VAN15I0002	VANDERHOFF, R. - PHOTOS OF DUDLEYA STOLONIFERA, CALPHOTOS ID: 0000 0000 1215 3989 & 3990 2015-12-24
VAN19I0001	VANDERHOFF, R. - PHOTOS OF DUDLEYA STOLONIFERA, CALPHOTOS ID: 0000 0000 0119 1414-1420 2019-01-10
VAN21U0001	VANDERHOFF, R. - OBSERVATIONS OF DUDLEYA STOLONIFERA DOWNLOADED FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-03-10. 2021-02-11
VAN21U0002	VANDERHOFF, R. - SHAPEFILE OF DUDLEYA STOLONIFERA OBSERVATIONS DOWNLOADED FROM CALFLORA 2021-02-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02826
EO Index: 20099
Key Quad: San Juan Capistrano (3311756)
Element Code: PDERI0B011
Occurrence Number: 13
Occurrence Last Updated: 2010-01-25

Scientific Name: *Comarostaphylis diversifolia ssp. diversifolia*
Common Name: summer holly

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2

CNDDB Element Ranks: **Global:** G3T2
State: S2
Other Lists: BLM_S-Sensitive
SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

General Habitat:
CHAPARRAL, CISMONTANE WOODLAND.

Micro Habitat:
OFTEN IN MIXED CHAPARRAL IN CALIFORNIA, SOMETIMES POST-BURN. 30-855 M.

Last Date Observed: 1983-04-07
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1983-04-07
Occurrence Rank: Fair
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
WEST SIDE OF PACIFIC ISLAND DRIVE, ABOUT 1 MILE SOUTHEAST OF ALISO PEAK, LAGUNA NIGUEL.

Detailed Location:
NORTH-FACING SLOPE NEAR TOP OF RIDGE. SITE FORMERLY REFERRED TO AS "SEAVIEW PARK AREA, MONARCH SUMMIT".

Ecological:
SOUTHERN MARITIME CHAPARRAL/SCRUB OAK CHAPARRAL. ASSOCIATED WITH QUERCUS DUMOSA, RHUS INTEGRIFOLIA, CNEORIDIUM DUMOSUM, AND MIMULUS AURANTIACUS.

Threats:
AT MARGIN OF PROPOSED DEVELOPMENT, WILL BE SUBJECT TO FUEL MODIFICATION.

General:
3 PLANTS OBSERVED BY ROBERTS IN 1983.

PLSS: T08S, R08W, Sec. 05, SE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3706983 E432280
Latitude/Longitude: 33.50024 / -117.72906
Elevation (feet): 700

County Summary:	Quad Summary:
Orange	Dana Point (3311746), San Juan Capistrano (3311756)

Sources:

MAR84U0007	MARSH, K. - LETTER TO SOUTH LAGUNA REVIEW COMMITTEE 1984-12-03
MAR84U0008	MARSH, K. - MONARCH SUMMIT - SEAVIEW PARK AREA, SOUTH LAGUNA, CALIFORNIA PLANT SPECIES LIST 1984-XX-XX
PLA91R0001	THE PLANNING CENTER - DANA POINT BIOLOGICAL RESOURCES SURVEY (FF #620-5) 1991-07-XX
ROB83F0002	ROBERTS, F. - FIELD SURVEY FORM FOR COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA 1983-04-07
ROB83S0009	ROBERTS, F. - ROBERTS #977 IRVC #20432 1983-04-07

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B0749
EO Index: 54108
Key Quad: San Juan Capistrano (3311756)
Element Code: PDERI0B011
Occurrence Number: 57
Occurrence Last Updated: 2018-09-20

Scientific Name: *Comarostaphylis diversifolia ssp. diversifolia*
Common Name: summer holly

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2

CNDDB Element Ranks: **Global:** G3T2
State: S2
Other Lists: BLM_S-Sensitive
SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

General Habitat:
CHAPARRAL, CISMONTANE WOODLAND.

Micro Habitat:
OFTEN IN MIXED CHAPARRAL IN CALIFORNIA, SOMETIMES POST-BURN. 30-855 M.

Last Date Observed: 1984-03-31
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1984-03-31
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
NIGUEL HILL, ORANGE COUNTY.

Detailed Location:
EXACT LOCATION UNKNOWN, MAPPED AS BEST GUESS BY CNDDB BASED ON OBSERVATIONS FROM "NEAR SEAVIEW PARK NORTH OF NIGUEL HILL" AND "NIGUEL HILL, 1.0 KM ENE ALISO PEAK, 2.1 KM SW ALICIA FIRE STATION, LAGUNA NIGUEL."

Ecological:
COASTAL CHAPARRAL.

Threats:

General:
SITE IS BASED ON A 1984 ROBERTS COLLECTION AND FROM LOCATION CITED BY REISER IN "RARE PLANTS OF SAN DIEGO COUNTY" (2001). NEEDS FIELDWORK.

PLSS: T07S, R08W, Sec. 32, SE (S)
Accuracy: 1/5 mile
Area (acres): 70
UTM: Zone-11 N3708505 E431839
Latitude/Longitude: 33.51393 / -117.73393
Elevation (feet):

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

REI01B0001	REISER, C. - RARE PLANTS OF SAN DIEGO COUNTY 2001-07-XX
ROB84S0001	ROBERTS, F. - ROBERTS #1317 IRVC #21613 1984-03-31

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	54109	**EO Index:**	54109
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	PDERI0B011
Occurrence Number:	58	**Occurrence Last Updated:**	2015-06-23

Scientific Name: *Comarostaphylis diversifolia ssp. diversifolia*

Common Name: summer holly

Listing Status: **Federal:** None

State: None

Rare Plant Rank: 1B.2

CNDDB Element Ranks: **Global:** G3T2

State: S2

Other Lists: BLM_S-Sensitive
SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

General Habitat:

CHAPARRAL, CISMONTANE WOODLAND.

Micro Habitat:

OFTEN IN MIXED CHAPARRAL IN CALIFORNIA, SOMETIMES POST-BURN. 30-855 M.

Last Date Observed:	1993-03-11	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1993-03-11	**Occurrence Rank:**	Unknown
Owner/Manager:	PVT?	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

NEAR THE HEAD OF HOBO CANYON JUST NORTH OF THE RIDGE OVERLOOKING ALISO CANYON.

Detailed Location:

MAPPED ACCORDING TO UTM COORDINATES FROM 2010 ROBERTS EMAIL AND HIS 1993 COLLECTION: 3709200N, 430615E.

Ecological:

OCCASIONAL ON NORTH-FACING SLOPE IN CHAPARRAL IN SANDY SOIL. ASSOCIATED WITH ADENOSTEMA FASCICULATUM, SALVIA MELLIFERA, RHUS INTEGRIFOLIA, AND CEANOTHUS MEGACARPUS.

Threats:

MOST OF RIDGE COULD FACE POTENTIAL DEVELOPMENT. MINOR RECREATIONAL IMPACTS.

General:

UNKNOWN NUMBER OF PLANTS OBSERVED IN 1991 AND 1993. 1993 ROBERTS COLLECTION FROM "UPPER HOBO CANYON, 1.4 KM NNW ALISO PEAK" ATTRIBUTED TO THIS OCCURRENCE.

PLSS:	T07S, R08W, Sec. 31, NE (S)	**Accuracy:**	80 meters	**Area (acres):**	0
UTM:	Zone-11 N3709403 E430531	**Latitude/Longitude:**	33.52195 / -117.74807	**Elevation (feet):**	610

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

REI01B0001	REISER, C. - RARE PLANTS OF SAN DIEGO COUNTY 2001-07-XX
ROB10U0003	ROBERTS, F. - EMAIL FROM FRED ROBERTS WITH MORE PRECISE COORDINATES FOR ROB93S0005 2010-01-25
ROB91F0038	ROBERTS, F. & K. MARSH - FIELD SURVEY FORM FOR DICHONDRA OCCIDENTALIS & DUDLEYA MULTICAULIS & COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA 1991-04-10
ROB93S0005	ROBERTS, F. - ROBERTS #4881 RSA #594812 1993-03-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 85467
EO Index: 86480
Key Quad: Laguna Beach (3311757)
Element Code: PDERI0B011
Occurrence Number: 95
Occurrence Last Updated: 2012-03-14

Scientific Name: *Comarostaphylis diversifolia ssp. diversifolia*
Common Name: summer holly

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: BLM_S-Sensitive
SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G3T2
State: S2

General Habitat:
CHAPARRAL, CISMONTANE WOODLAND.

Micro Habitat:
OFTEN IN MIXED CHAPARRAL IN CALIFORNIA, SOMETIMES POST-BURN. 30-855 M.

Last Date Observed: 2000-05-11
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2000-05-11
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
SOUTH SIDE OF HOBO CANYON, APPROXIMATELY 0.4-0.5 AIR MILE NORTHEAST OF GOFF ISLAND.

Detailed Location:
SCATTERED PLANTS MAPPED BY CNDDB AS A SINGLE POLYGON ACCORDING TO A 2000 MAP PROVIDED BY LSA ASSOCIATES.

Ecological:
IN SOUTHERN MARITIME CHAPARRAL ALONG NORTH-FACING SLOPE OF HOBO CANYON.

Threats:
SEVERAL PLANTS FALL WITHIN PROPOSED DEVELOPMENT AREA AND FUEL MODIFICATION ZONE.

General:
SCATTERED INDIVIDUALS OBSERVED IN 2000.

PLSS: T07S, R08W, Sec. 31, S (S)
Accuracy: specific area
Area (acres): 3
UTM: Zone-11 N3709053 E429948
Latitude/Longitude: 33.51875 / -117.75432
Elevation (feet): 250

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

LSA00R0003	LSA ASSOCIATES, INC. - BIOLOGICAL RESOURCES ASSESSMENT, DRIFTWOOD ESTATES- LAGUNA BEACH PROJECT 2000-08-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B0806
EO Index: 112678
Key Quad: San Juan Capistrano (3311756)
Element Code: PDERI0B011
Occurrence Number: 130
Occurrence Last Updated: 2018-09-25

Scientific Name: *Comarostaphylis diversifolia ssp. diversifolia*
Common Name: summer holly

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2

CNDDB Element Ranks: **Global:** G3T2
State: S2
Other Lists: BLM_S-Sensitive
SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

General Habitat:
CHAPARRAL, CISMONTANE WOODLAND.

Micro Habitat:
OFTEN IN MIXED CHAPARRAL IN CALIFORNIA, SOMETIMES POST-BURN. 30-855 M.

Last Date Observed: 2016-12-04
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2016-12-04
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY?
Trend: Unknown
Presence: Presumed Extant

Location:
CEANOTHUS CANYON, S SLOPE, LAGUNA BEACH.

Detailed Location:
MAPPED ACCORDING TO 2016 VANDERHOFF COORDINATES, IN THE SE 1/4 OF THE NW 1/4 OF SECTION 5.

Ecological:
ON N FACING SLOPE WITH QUERCUS BERBERIDIFOLIA, Q. AGRIFOLIA, CEANOTHUS SPINOSUS, CERCOCARPUS SP., AND HETEROMELES ARBUTIFOLIA.

Threats:

General:
SEVERAL MATURE PLANTS (11-50 PLANTS) OBSERVED IN 2016.

PLSS: T08S, R08W, Sec. 5, NW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3707827 E431432
Latitude/Longitude: 33.50779 / -117.73826
Elevation (feet): 600

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756)

Sources:

VAN16U0022 VANDERHOFF, R. - OBSERVATION RECORD FOR COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA, CALFLORA ID: PO24534 2016-12-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 36764
EO Index: 31761
Key Quad: San Juan Capistrano (3311756)
Element Code: PDEUP0Q1B0
Occurrence Number: 20
Occurrence Last Updated: 2016-07-22

Scientific Name: *Euphorbia misera*
Common Name: cliff spurge

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 2B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G5
State: S2

General Habitat:
COASTAL BLUFF SCRUB, COASTAL SCRUB, MOJAVEAN DESERT SCRUB.

Micro Habitat:
ROCKY SITES. 3-430 M.

Last Date Observed: 1999-08-21
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1999-08-21
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
SOUTH LAGUNA, SOUTH OF ALISO CREEK AND ABOVE ALISO BEACH, JUST WEST OF ALISO PEAK.

Detailed Location:
ALONG SERVICE ROAD TO THE WATER TANK AT THE END OF ALTA LOMA, OFF OF CEANOTHUS DRIVE.

Ecological:
COASTAL BLUFF SCRUB.

Threats:

General:
30 PLANTS OBSERVED IN 1995. POPULATION OBSERVED DURING SURVEYS FOR FUEL MODIFICATION ZONE; SITE WAS NOTED TO BE OUTSIDE OF ZONE AND WILL NOT BE IMPACTED BY ACTIVITIES. SEVERAL HISTORICAL COLLECTIONS ATTRIBUTED TO THIS SITE.

PLSS: T08S, R08W, Sec. 06, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3707910 E430699
Latitude/Longitude: 33.50850 / -117.74615
Elevation (feet): 500

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756)

Sources:

ANONDU0036	ANONYMOUS - LIST OF COLLECTIONS FOR ORANGE COUNTY PLANTS. XXXX-XX-XX
MBA95R0002	BOMKAMP, T. - LAGUNA BEACH BOTANICAL RESOURCES INVENTORY: RARE PLANT SURVEYS FOR SOUTH LAGUNA FUEL MODIFICATION ZONE 1995-06-21
MUN22S0025	MUNZ, P. - MUNZ #6359 POM #11888 1922-09-02
PEI19S0004	PEIRSON, F.W. - PEIRSON #2041 RSA #70613 1919-11-08
PER17S0001	PERKINS, A.J. - PERKINS SN RSA #432423 1917-03-10
RIE99S0001	RIEFNER, R. - RIEFNER #361 UCR #130485 1999-08-21
ROO37S0045	ROOS, J. - ROOS #2548 CLARK-A #1528-2702 1937-09-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	36765	**EO Index:**	31762
Key Quad:	Laguna Beach (3311757)	**Element Code:**	PDEUP0Q1B0
Occurrence Number:	21	**Occurrence Last Updated:**	2016-07-26

Scientific Name: *Euphorbia misera*

Common Name: cliff spurge

Listing Status: **Federal:** None

State: None

Rare Plant Rank: 2B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G5

State: S2

General Habitat:

COASTAL BLUFF SCRUB, COASTAL SCRUB, MOJAVEAN DESERT SCRUB.

Micro Habitat:

ROCKY SITES. 3-430 M.

Last Date Observed:	2013-11-15	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2013-11-15	**Occurrence Rank:**	Fair
Owner/Manager:	CITY OF NEWPORT BEACH, DPR	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

CORONA DEL MAR STATE BEACH, ALONG BLUFFS SW OF OCEAN BLVD BETWEEN ORCHID AVE AND GLEN DR, NEWPORT BEACH.

Detailed Location:

MAPPED AS 2 POLYGONS BY CNDDB BASED ON 2013 RIEFNER COORDINATES. THREE COLONIES REPORTED BY MORAN IN 1988: INSPIRATION POINT SOUTH OF ORCHID AVE AT OCEAN BLVD; ADJACENT TO GLEN DRIVE/BEACH DRIVE; AND SOUTH OF GLEN DRIVE.

Ecological:

SANDY OCEAN BLUFF. ASSOCIATED WITH ENCELIA CALIFORNICA, RHUS INTEGRIFOLIA, DUDLEYA LANCEOLATA, ERIOGONUM FASCICULATUM, LYCIUM CALIFORNICUM, ISOMERIS ARBOREA, OPUNTIA LITTORALIS, ATRIPLEX, AND MIRABILIS CALIFORNICA.

Threats:

TRASH DUMPING, EROSION. ADJACENT ROAD ACTIVITY APPEARS TO ACCELERATE EROSION. HEAVILY DAMAGED BY TRAIL CONSTRUCTION.

General:

~25 PLANTS SEEN IN NORTH POLYGON AND ~35 PLANTS IN TWO COLONIES IN SOUTH POLYGON IN 1988. ROBERTS (2009) STATES THAT MOST INDIVIDUALS WERE REPLANTED AFTER DISTURBANCE FROM TRAIL CONSTRUCTION. MENTIONED AS "LOCAL" IN 2013.

PLSS:	T07S, R10W, Sec. 1, E (S)	**Accuracy:**	specific area	**Area (acres):**	10
UTM:	Zone-11 N3717270 E419102	**Latitude/Longitude:**	33.59209 / -117.87186	**Elevation (feet):**	20

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

BOO32S0008	BOOTH, L. - BOOTH #1300 POM #201836 & 201865 1932-07-23
EWA32S0001	EWAN, J. - EWAN #7708 POM #186306, LA #204852 1932-07-28
MOR88F0004	MORAN, V. - FIELD SURVEY FORM FOR EUPHORBIA MISERA 1988-12-20
MOR88F0005	MORAN, V. - FIELD SURVEY FORM FOR EUPHORBIA MISERA 1988-12-20
MOR88F0006	MORAN, V. - FIELD SURVEY FORM FOR EUPHORBIA MISERA 1988-12-20
MOR89S0001	MORAN, V. & K. MINER - MORAN SN SD #126575 1989-01-29
MOR89S0002	MORAN, V. & K. MINER - MORAN SN SD #126574 1989-01-29
RIE13S0005	RIEFNER, R. - RIEFNER #13-340 CAS #1195785 2013-11-15
RIE13S0006	RIEFNER, R. - RIEFNER #13-516 UCR #246484, RSA #812557 2013-01-16
ROB09U0001	ROBERTS, F. - EMAIL TO P. DE ANGELIS REGARDING EUPHORBIA MISERA OCCURRENCES 2009-03-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B6197
Key Quad: El Toro (3311766)
Occurrence Number: 54

EO Index: 119243
Element Code: PDFAB0F1G0
Occurrence Last Updated: 2020-09-22

Scientific Name: *Astragalus brauntonii*
Common Name: Braunton's milk-vetch

Listing Status: **Federal:** Endangered
State: None

CNDDB Element Ranks: **Global:** G2
State: S2

Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_SBBG-Santa Barbara Botanic Garden

General Habitat:

CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

RECENT BURNS OR DISTURBED AREAS; USUALLY ON SANDSTONE WITH CARBONATE LAYERS. SOIL SPECIALIST; REQUIRES SHALLOW SOILS TO DEFEAT POCKET GOPHERS AND OPEN AREAS, PREFERABLY ON HILLTOPS, SADDLES OR BOWLS BETWEEN HILLS. 3-640 M.

Last Date Observed: 2016-07-01
Last Survey Date: 2016-07-01
Owner/Manager: ORA COUNTY
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

SANTIAGO CANYON; NORTH SIDE OF HANGMANS TREE RD JUST WEST OF JUNCTION WITH SANTIAGO CANYON RD, NORTHWEST OF MODJESKA.

Detailed Location:

IRVINE RANCH OPEN SPACE. MAPPED ACCORDING TO 2016 COORDINATES FROM SOUTHERN CALIFORNIA EDISON, IN THE NW 1/4 OF THE SE 1/4 OF SECTION 19.

Ecological:

Threats:

OCCURRENCE DISCOVERED DURING A ROAD CLEARANCE PROJECT.

General:

UNKNOWN NUMBER OF PLANTS OBSERVED IN 2016.

PLSS: T05S, R07W, Sec. 19, SE (S)
UTM: Zone-11 N3731385 E439910

Accuracy: specific area
Latitude/Longitude: 33.72077 / -117.64858

Area (acres): 1
Elevation (feet): 1,165

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

SCE17D0001 SOUTHERN CALIFORNIA EDISON - SOUTHERN CALIFORNIA BIOLOGY DATA EXPORT 2017-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	31991	**EO Index:**	13767
Key Quad:	Laguna Beach (3311757)	**Element Code:**	PDFAG050D0
Occurrence Number:	3	**Occurrence Last Updated:**	1995-11-20

Scientific Name: *Quercus dumosa*

Common Name: Nuttall's scrub oak

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G3
State: S3

Rare Plant Rank: 1B.1

Other Lists: BLM_S-Sensitive
IUCN_EN-Endangered
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
USFS_S-Sensitive

General Habitat:

CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL SCRUB.

Micro Habitat:

GENERALLY ON SANDY SOILS NEAR THE COAST; SOMETIMES ON CLAY LOAM. 15-640 M.

Last Date Observed:	1991-02-15	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1991-02-15	**Occurrence Rank:**	Fair
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

NEWPORT BEACH; CORONA DEL MAR ALONG BUCK GULLY, ABOUT 1.3 MILES WEST OF PELICAN HILL.

Detailed Location:

MAPPED DUE EAST OF THE CORNER OF 5TH AVENUE AND POPPY AVENUE.

Ecological:

POCKET OF SCRUB OAK CHAPARRAL SURROUNDED BY COASTAL SAGE SCRUB AND SUMAC-TOYON CHAPARRAL. ASSOCIATED WITH RHUS INTEGRIFOLIA, ARTEMISIA CALIFORNICA, HETEROMELES ARBUTIFOLIA, AND ELYMUS CONDENSATUS. STEEP N-FACING SLOPE ON CALLEGUAS SOILS.

Threats:

UNLIKELY TO BE DEVELOPED BUT FUEL MODIFICATION PROGRAM MAY LEAD TO THINNING OF POPULATION.

General:

4-7 PLANTS OBSERVED IN 1991. MORE PLANTS COULD HAVE BEEN IN THIS VICINITY PRIOR TO DEVELOPMENT.

PLSS:	T07S, R09W (S)	**Accuracy:**	80 meters	**Area (acres):**	0
UTM:	Zone-11 N3717807 E420081	**Latitude/Longitude:**	33.59701 / -117.86135	**Elevation (feet):**	150

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

ROB91F0030	ROBERTS, F. - FIELD SURVEY FORM FOR QUERCUS DUMOSA 1991-02-15
ROB91M0001	ROBERTS, F. - MAP OF KNOWN LOCATIONS OF QUERCUS DUMOSA. 1991-XX-XX
ROB91U0004	ROBERTS, F. - NOTES FROM ORANGE COUNTY CHAPTER TO CNPS ON SEVERAL TAXA FOR INVENTORY 5. 1991-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 31990
EO Index: 25361
Key Quad: Laguna Beach (3311757)
Element Code: PDFAG050D0
Occurrence Number: 4
Occurrence Last Updated: 2011-05-17

Scientific Name: *Quercus dumosa*
Common Name: Nuttall's scrub oak

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1
Other Lists: BLM_S-Sensitive
IUCN_EN-Endangered
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3
State: S3

General Habitat:
CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL SCRUB.

Micro Habitat:
GENERALLY ON SANDY SOILS NEAR THE COAST; SOMETIMES ON CLAY LOAM. 15-640 M.

Last Date Observed: 1989-02-22
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1990-11-08
Occurrence Rank: None
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Extirpated

Location:
SAN JOAQUIN HILLS; EAST SLOPE OF PELICAN HILL ABOVE LOS TRANCOS CANYON.

Detailed Location:
0.4 KM ESE OF PELICAN HILL SURVEY MARK.

Ecological:
DENSE SCRUB OAK CHAPARRAL WITH RHUS INTEGRIFOLIA, ERIOGONUM FASCICULATUM, DICHONDRA OCCIDENTALIS, DUDLEYA MULTICAULIS, CHORIZANTHE STATICOIDES SSP. CHRYSACANTHA, AND CALIFORNIA GNATCATCHER. STEEP E- AND N-FACING SLOPES ON CALLEGUAS SOILS.

Threats:
SITE GRADED FOR CONSTRUCTION OF NEWPORT COAST (PELICAN HILLS) ROAD IN 1989.

General:
400+ PLANTS SEEN IN 1988. LOCALLY COMMON IN FEB 1989. SITE GRADED PRIOR TO JUNE, 1989 BUT REGROWTH (OF OTHER SP?) EVIDENT BY JUNE 21, 1989. PLANTS NOT SEEN IN 1990 AIRCRAFT OBSERVATION. POPULATION IS MOST LIKELY EXTIRPATED (ROBERTS 1991).

PLSS: T07S, R09W, Sec. 05, E (S)
Accuracy: specific area
Area (acres): 11
UTM: Zone-11 N3717231 E422519
Latitude/Longitude: 33.59200 / -117.83503
Elevation (feet): 500

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

ROB87S0005	ROBERTS, F. - ROBERTS #3580 IRVC #24554 1987-08-06
ROB88F0008	ROBERTS, F. - FIELD SURVEY FORM FOR QUERCUS DUMOSA 1988-04-26
ROB88S0008	ROBERTS, F., G. MARSH, & K. MARSH - ROBERTS #3952 IRVC #24553, RSA #550590 1988-04-26
ROB89S0007	ROBERTS, F. & K. KIRTLAND - ROBERTS #4183 UCR #129347, RSA #550591 1989-02-22
ROB90F0016	ROBERTS, F. - FIELD SURVEY FORM FOR QUERCUS DUMOSA 1990-11-08
ROB91U0004	ROBERTS, F. - NOTES FROM ORANGE COUNTY CHAPTER TO CNPS ON SEVERAL TAXA FOR INVENTORY 5. 1991-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 31989
EO Index: 13442
Key Quad: Laguna Beach (3311757)
Element Code: PDFAG050D0
Occurrence Number: 5
Occurrence Last Updated: 2011-04-19

Scientific Name: *Quercus dumosa*
Common Name: Nuttall's scrub oak

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1
Other Lists: BLM_S-Sensitive
IUCN_EN-Endangered
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3
State: S3

General Habitat:
CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL SCRUB.

Micro Habitat:
GENERALLY ON SANDY SOILS NEAR THE COAST; SOMETIMES ON CLAY LOAM. 15-640 M.

Last Date Observed: 1989-06-21
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1989-06-21
Occurrence Rank: Good
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:
SAN JOAQUIN HILLS; ABOUT 0.8 MILE EAST OF PELICAN HILL ABOVE LOS TRANCOS CANYON.

Detailed Location:
TWO COLONIES: 0.75 MILE AND 0.9 MILE EAST OF THE PELICAN HILL SURVEY MARK.

Ecological:
ON STEEP, N-FACING SLOPES NEAR TOP OF RIDGES ON CALLEGUAS CLAY LOAM SOILS. ASSOCIATED WITH HETEROMELES ARBUTIFOLIA, QUERCUS AGRIFOLIA, RHAMNUS ILICIFOLIA, AND TOXICODENDRON DIVERSILOBUM.

Threats:

General:
5-10 PLANTS OBSERVED IN 1989. BOTH SITES RELATIVELY SMALL AND RESTRICTED. OTHER SMALL POPULATIONS MAY OCCUR IN THE AREA. SITE IS WITHIN THE LOS TRANCOS DEDICATION AREA AND IS RELATIVELY PROTECTED.

PLSS: T07S, R09W (S)
Accuracy: specific area
Area (acres): 10
UTM: Zone-11 N3717329 E423338
Latitude/Longitude: 33.59294 / -117.82620
Elevation (feet): 600

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

ROB89F0003	ROBERTS, F. - FIELD SURVEY FORM FOR QUERCUS DUMOSA 1989-06-21
ROB89S0008	ROBERTS, F. & WADE - ROBERTS #4391 RSA #584719 1989-06-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 31988
EO Index: 23131
Key Quad: San Juan Capistrano (3311756)
Element Code: PDFAG050D0
Occurrence Number: 6
Occurrence Last Updated: 2011-04-20

Scientific Name: *Quercus dumosa*
Common Name: Nuttall's scrub oak

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1
Other Lists: BLM_S-Sensitive
IUCN_EN-Endangered
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
USFS_S-Sensitive
CNDDB Element Ranks: **Global:** G3
State: S3

General Habitat:
CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL SCRUB.

Micro Habitat:
GENERALLY ON SANDY SOILS NEAR THE COAST; SOMETIMES ON CLAY LOAM. 15-640 M.

Last Date Observed: 1982-10-04
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1982-10-04
Occurrence Rank: Excellent
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
ALISO-WOODS REGIONAL PARK ALONG ALISO CREEK, ABOUT 1.4 MILES WEST OF THE INTERSECTION OF NIGUEL RD AND CROWN VALLEY PKY.

Detailed Location:
ALONG THE EAST SIDE OF ALISO CREEK ON THE WESTERN FLANK OF NIGUEL HILL, 1.5 MILES NORTHEAST OF ALISO BEACH.

Ecological:
N-FACING SLOPE NEAR CANYON BOTTOM IN DENSE SCRUB OAK CHAPARRAL SURROUNDED BY GRASSLAND AND COASTAL SAGE SCRUB. ASSOCIATED WITH HETEROMELES ARBUTIFOLIA, RHAMNUS ILICIFOLIA, RHUS INTEGRIFOLIA, AND SALVIA SPATHACEA.

Threats:

General:
50-100 PLANTS OBSERVED IN 1982. CURRENTLY DESIGNATED AS OPEN SPACE UNDER A COUNTY REGIONAL PARK-WILDERNESS PARK MANAGEMENT SYSTEM.

PLSS: T07S, R08W, Sec. 32, NE (S)
Accuracy: specific area
Area (acres): 2
UTM: Zone-11 N3709883 E431697
Latitude/Longitude: 33.52635 / -117.73556
Elevation (feet): 200

County Summary:
Orange

Quad Summary:
San Juan Capistrano (3311756)

Sources:
ROB82F0004 ROBERTS, F. - FIELD SURVEY FORM FOR QUERCUS DUMOSA 1982-10-04

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	31985	**EO Index:**	3794
Key Quad:	Dana Point (3311746)	**Element Code:**	PDFAG050D0
Occurrence Number:	7	**Occurrence Last Updated:**	2018-11-29

Scientific Name: *Quercus dumosa*

Common Name: Nuttall's scrub oak

Listing Status: **Federal:** None
State: None

Rare Plant Rank: 1B.1

CNDDB Element Ranks: **Global:** G3
State: S3

Other Lists: BLM_S-Sensitive
IUCN_EN-Endangered
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
USFS_S-Sensitive

General Habitat:

CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL SCRUB.

Micro Habitat:

GENERALLY ON SANDY SOILS NEAR THE COAST; SOMETIMES ON CLAY LOAM. 15-640 M.

Last Date Observed:	2017-11-17	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2017-11-17	**Occurrence Rank:**	Excellent
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

LAGUNA NIGUEL; NIGUEL HILL WEST OF PACIFIC ISLAND DRIVE, EAST OF SOUTH LAGUNA AND NORTH OF THREE ARCH BAY.

Detailed Location:

4 POLYGONS MAPPED ACCORDING TO A 1983 ROBERTS MAP, A 1991 MAP FROM THE PLANNING CENTER, AND 2017 BURGE COORDINATES. 2006 SANCHEZ-MATA COLLECTION FROM "LAGUNA NIGUEL. DANA POINT HIGHLANDS. PACIFIC ISLAND DRIVE" ATTRIB HERE.

Ecological:

SOUTHERN MARITIME/SCRUB OAK CHAPARRAL. ASSOCIATED WITH COMAROSTAPHYLIS DIVERSIFOLIA SSP. DIVERSIFOLIA, RHUS INTEGRIFOLIA, CNEORIDIUM DUMOSUM, MIMULUS AURANTIACUS, AND MALOSMA LAURINA.

Threats:

THREATENED BY DEVELOPMENT AND FUEL MODIFICATION.

General:

UNKNOWN NUMBER OF PLANTS SEEN IN 1982 AND 1983. 20 PLANTS IN SW-MOST POLYGON AND 500+ PLANTS IN SE-MOST POLYGON IN 1991. PLANTS NOTED AS "LOCALLY COMMON" IN THE NE-MOST POLYGON IN 2017.

PLSS:	T08S, R08W, Sec. 9, NW (S)	**Accuracy:**	specific area	**Area (acres):**	13
UTM:	Zone-11 N3706667 E432285	**Latitude/Longitude:**	33.49739 / -117.72898	**Elevation (feet):**	500

County Summary:	**Quad Summary:**
Orange	Dana Point (3311746), San Juan Capistrano (3311756)

Sources:

BUR17S0002	BURGE, D. - BURGE #2326 DAV #170637 & #225109 2017-11-17
PLA91R0001	THE PLANNING CENTER - DANA POINT BIOLOGICAL RESOURCES SURVEY (FF #620-5) 1991-07-XX
ROB82S0008	ROBERTS, F. - ROBERTS #707 UCSB #52405 1982-06-30
ROB82S0009	ROBERTS, F. - ROBERTS #713 UCSB #52416 1982-06-30
ROB82S0010	ROBERTS, F. - ROBERTS #715 UCSB #52409 1982-07-01
ROB82S0011	ROBERTS, F. - ROBERTS #737 UCSB #52406 1982-07-08
ROB82S0012	ROBERTS, F. - ROBERTS #741 UCSB #52411 1982-07-08
ROB83F0001	ROBERTS, F. - FIELD SURVEY FORM FOR QUERCUS DUMOSA 1983-04-07
SAN06S0020	SANCHEZ-MATA, D. - SANCHEZ-MATA SN DAV #63655 2006-07-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 81937
Key Quad: Dana Point (3311746)
Occurrence Number: 146

EO Index: 94204
Element Code: PDFAG050D0
Occurrence Last Updated: 2014-07-03

Scientific Name: *Quercus dumosa*
Common Name: Nuttall's scrub oak

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G3
State: S3

Rare Plant Rank: 1B.1
Other Lists: BLM_S-Sensitive
IUCN_EN-Endangered
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
USFS_S-Sensitive

General Habitat:
CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL SCRUB.

Micro Habitat:
GENERALLY ON SANDY SOILS NEAR THE COAST; SOMETIMES ON CLAY LOAM. 15-640 M.

Last Date Observed: 1904-XX-XX
Last Survey Date: 1904-XX-XX
Owner/Manager: UNKNOWN
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
SAN JUAN CAPISTRANO.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED IN THE GENERAL VICINITY OF SAN JUAN CAPISTRANO.

Ecological:

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1904 COLLECTION BY NEVIN. NEEDS FIELDWORK.

PLSS: T08S, R08W, Sec. 12 (S)
UTM: Zone-11 N3706409 E438379

Accuracy: 1 mile
Latitude/Longitude: 33.49543 / -117.66335

Area (acres): 0
Elevation (feet):

County Summary:
Orange

Quad Summary:
Dana Point (3311746), San Juan Capistrano (3311756)

Sources:
NEV04S0003 NEVIN, J. - NEVIN SN DS #88029, CAS-BOT-BC #86399 1904-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	93054	**EO Index:**	94205
Key Quad:	Laguna Beach (3311757)	**Element Code:**	PDFAG050D0
Occurrence Number:	147	**Occurrence Last Updated:**	2016-12-13

Scientific Name: *Quercus dumosa*

Common Name: Nuttall's scrub oak

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G3

State: S3

Rare Plant Rank: 1B.1

Other Lists: BLM_S-Sensitive
IUCN_EN-Endangered
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank
USFS_S-Sensitive

General Habitat:

CLOSED-CONE CONIFEROUS FOREST, CHAPARRAL, COASTAL SCRUB.

Micro Habitat:

GENERALLY ON SANDY SOILS NEAR THE COAST; SOMETIMES ON CLAY LOAM. 15-640 M.

Last Date Observed:	2013-01-27	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2013-01-27	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY?	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SOUTH FORK OF BUCK GULLY, NORTH SLOPE PELICAN HILL, ABOUT 0.2 AND 0.4 AIR MILE NORTH OF SUMMIT OF PELICAN HILL.

Detailed Location:

2 POLYGONS MAPPED IN THE NW 1/4 OF THE NE 1/4 OF SECTION 5, BASED ON 2012 ROBERTS COORDINATES AND 2013 VANDERHOFF COORDINATES.

Ecological:

N AND NE-FACING SLOPES. UPPER CANYON SLOPE ON SANDY LOAM WITH LEAF LITTER WITHIN MIXTURE OF SCRUB OAK AND SUMAC CHAPARRAL. FORMING AN OAK WOODLAND WITH Q. BERBERIDIFOLIA. ASSOCIATED WITH RHUS INTEGRIFOLIA, HETEROMELES ARBUTIFOLIA, ETC.

Threats:

SOME OAKS TRIMMED FOR FUEL MODIFICATION.

General:

A LARGE PATCH OF SEVERAL HUNDRED INDIVIDUALS OBSERVED IN NORTHERN POLYGON IN 2012. MORE THAN 100 PLANTS OBSERVED IN SOUTHERN POLYGON IN 2013.

PLSS:	T07S, R09W, Sec. 05, NE (S)	**Accuracy:**	specific area	**Area (acres):**	10
UTM:	Zone-11 N3717798 E422083	**Latitude/Longitude:**	33.59707 / -117.83977	**Elevation (feet):**	600

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

ROB12S0001	ROBERTS, F. - ROBERTS #7560 UCR #241915, RSA #803248 2012-05-10
VAN13I0002	VANDERHOFF, R. - PHOTOS OF QUERCUS DUMOSA, CALPHOTOS ID: 0000 0000 0116 0052-0053, 0055, 0056 2013-01-07
VAN13U0001	VANDERHOFF, R. - OBSERVATION RECORD FOR QUERCUS DUMOSA, CALFLORA ID: OE4317 2013-01-27

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 48668
EO Index: 48668
Key Quad: Laguna Beach (3311757)
Element Code: PDHYD0A0H0
Occurrence Number: 12
Occurrence Last Updated: 2013-04-12

Scientific Name: *Nama stenocarpa*
Common Name: mud nama

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 2B.2
Other Lists:

CNDDB Element Ranks: **Global:** G4G5
State: S1S2

General Habitat:
MARSHES AND SWAMPS.

Micro Habitat:
LAKE SHORES, RIVER BANKS, INTERMITTENTLY WET AREAS. 15-815 M.

Last Date Observed: 1998-06-23
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-06-23
Occurrence Rank: Good
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:
NORTHERN MOST OF THE LAGUNA LAKES IN LAGUNA CANYON, ABOUT 2.2 MILES NORTH OF EL TORO ROAD & HIGHWAY 133 INTERSECTION.

Detailed Location:
LAGUNA LAKE #1 (NORTHERNMOST LAKE) IN LAGUNA CANYON, WEST OF LAGUNA CANYON ROAD ON SOUTH EDGE OF LAKE.

Ecological:
DRYING MARGIN OF MUDFLATS (FORMER VERNAL POOL?) WITH ASSOCIATED SPECIES RORIPPA CURVISILIQUA, LYTHRUM CALIFORNICUM & PETUNIA PARVIFLORA.

Threats:

General:
30+ INDIVIDUALS OBSERVED IN 1998. LOCALITY IN COASTAL NCCP SUBREGION OF ORANGE COUNTY IN RESERVE. VAGUE COLLECTIONS FROM "LAGUNA CANYON", "LAGUNA LAKES", AND "LAGUNA" ARE ALSO ATTRIBUTED TO THIS SITE.

PLSS: T06S, R08W, Sec. 31, NW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3719583 E429594
Latitude/Longitude: 33.61370 / -117.75897
Elevation (feet): 390

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

ABR01S0026	ABRAMS, L. - ABRAMS #1770 DS #147673 & #492654 1901-06-13
CRA16S0002	CRAWFORD, D. - CRAWFORD SN POM #4191 1916-07-26
FOS28S0001	FOSBERG, F. - FOSBERG #05928 UCR #36055 1928-07-25
GEI02S0002	GEIS, H. - GEIS #551 DS #147672 1902-XX-XX
HIT33A0001	HITCHCOCK, C. - AMERICAN JOURNAL OF BOTANY 20(6)415-430 1933-06-XX
MUN19S0006	MUNZ, P. - MUNZ #2681 POM #6290 & #6291, DS #107262 1919-05-04
WOL98F0030	WOLF, A. - FIELD SURVEY FORM FOR NAMA STENOCARPUM 1998-06-23
WOL98S0007	WOLF, A. - WOLF #358 UCR #158038 1998-06-23

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 48669
EO Index: 48669
Key Quad: Laguna Beach (3311757)
Element Code: PDHYD0A0H0
Occurrence Number: 13
Occurrence Last Updated: 2010-10-07

Scientific Name: *Nama stenocarpa*
Common Name: mud nama

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 2B.2
Other Lists:

CNDDB Element Ranks: **Global:** G4G5
State: S1S2

General Habitat:
MARSHES AND SWAMPS.

Micro Habitat:
LAKE SHORES, RIVER BANKS, INTERMITTENTLY WET AREAS. 15-815 M.

Last Date Observed: 1998-07-21
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-07-21
Occurrence Rank: Fair
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:
EMERALD CANYON, APPROXIMATELY 2 MILES NORTHEAST OF EMERALD BAY.

Detailed Location:

Ecological:
SANDBAR IN STEEP, DEEPLY INCISIED CHANNEL, SEVERAL SLUMPS CREATE SANDBARS SCULPTED BY INTERMITTENT CREEK. TYPHA SP., CHENOPODIUM AMBROSIOIDES, JUNCUS XIPHIOIDES, BACCHARIS SALICIFOLIA, SALIX SP.

Threats:
NOT THREATENED BY DEVELOPMENT.

General:
FEWER THAN 10 INDIVIDUALS OBSERVED IN 1998. AREA IN COASTAL NCCP SUBREGION, IN NATURE RESERVE OF ORANGE COUNTY.

PLSS: T07S, R09W, Sec. 11, SE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3715094 E426962
Latitude/Longitude: 33.57304 / -117.78697
Elevation (feet): 400

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

WOL98F0031	WOLF, A. - FIELD SURVEY FORM FOR NAMA STENOCARPUM 1998-07-21
WOL98S0008	WOLF, A. - WOLF #402 UCR #158039 1998-07-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 48670
EO Index: 48670
Key Quad: El Toro (3311766)
Element Code: PDHYD0A0H0
Occurrence Number: 14
Occurrence Last Updated: 2010-10-07

Scientific Name: *Nama stenocarpa*
Common Name: mud nama

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 2B.2
Other Lists:

CNDDB Element Ranks: **Global:** G4G5
State: S1S2

General Habitat:
MARSHES AND SWAMPS.

Micro Habitat:
LAKE SHORES, RIVER BANKS, INTERMITTENTLY WET AREAS. 15-815 M.

Last Date Observed: 1998-05-15
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-05-15
Occurrence Rank: Poor
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:
LAMBERT RESERVOIR, NORTH OF EL TORO AIR FORCE BASE.

Detailed Location:
WEST END OF RESERVOIR.

Ecological:
MUDFLAT ON SOUTH EDGE OF RESERVOIR. ASSOCIATED SPECIES INCLUDE SCIRPUS AMERICANA, LYTHRUM HYSSOPIFOLIA, AMMANNIA ROBUSTA & JUNCUS BUFONIUS.

Threats:

General:
FEWER THAN 5 INDIVIDUALS OBSERVED IN 1998. RESERVOIR IS IN THE ORANGE COUNTY NATURE RESERVE BOUNDARIES BUT THE PERSERVATION OF THE POND IS UNKNOWN.

PLSS: T05S, R08W, Sec. 34, SE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3728395 E433975
Latitude/Longitude: 33.69346 / -117.71240
Elevation (feet): 440

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

WOL98F0032 WOLF, A. - FIELD SURVEY FORM FOR NAMA STENOCARPUM 1998-05-15
WOL98S0009 WOLF, A. - WOLF #276 UCR #158037 1998-05-15

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 48671
EO Index: 48671
Key Quad: Tustin (3311767)
Element Code: PDHYD0A0H0
Occurrence Number: 15
Occurrence Last Updated: 2010-10-07

Scientific Name: *Nama stenocarpa*
Common Name: mud nama

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 2B.2
Other Lists:

CNDDB Element Ranks: **Global:** G4G5
State: S1S2

General Habitat:
MARSHES AND SWAMPS.

Micro Habitat:
LAKE SHORES, RIVER BANKS, INTERMITTENTLY WET AREAS. 15-815 M.

Last Date Observed: 1998-07-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-07-01
Occurrence Rank: Poor
Owner/Manager: PVT-IRVINE CO
Trend: Unknown
Presence: Presumed Extant

Location:
EAST OF PETERS CANYON CHANNEL, APPROXIMATELY 0.4 MILE SOUTH OF BARRANCA ROAD.

Detailed Location:
EAST OF CHANNELIZED RIVER BETWEEN ALTON AND BARRANCA, WEST OF HARVARD AVE.

Ecological:
IN SEDIMENT BASIN, IN SOUTHWEST PORTION OF BLADED/RIPPED FIELD, FEW NATIVE PLANTS.

Threats:
SITE IS NOT AFFORDED PROTECTION, WILL BE DEVELOPED (1998).

General:
2 INDIVIDUALS OBSERVED IN 1998.

PLSS: T06S, R09W, Sec. 04, NW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3727690 E423308
Latitude/Longitude: 33.68638 / -117.82742
Elevation (feet): 49

County Summary:
Orange

Quad Summary:
Tustin (3311767)

Sources:

WOL98F0033 WOLF, A. - FIELD SURVEY FORM FOR NAMA STENOCARPUM 1998-07-01

WOL98S0010 WOLF, A. - WOLF #414 UCR #157698 1998-07-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 88044
EO Index: 89022
Key Quad: El Toro (3311766)
Element Code: PDLAM180A4
Occurrence Number: 26
Occurrence Last Updated: 2013-01-28

Scientific Name: *Monardella hypoleuca ssp. intermedia*
Common Name: intermediate monardella

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.3
Other Lists:

CNDDB Element Ranks: **Global:** G4T2?
State: S2?

General Habitat:

CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST (SOMETIMES).

Micro Habitat:

OFTEN IN STEEP, BRUSHY AREAS. 195-1675 M.

Last Date Observed: 2008-07-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-07-05
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

ALONG SANTIAGO TRUCK TRAIL, 0.5 AIR MI EAST OF FOREST GATE AT MODJESKA GRADE RD, SOUTH OF MODJESKA CYN, SANTA ANA MTNS.

Detailed Location:

MAPPED BY CNDDB ALONG THE PORTION OF SANTIAGO TRUCK TRAIL THAT IS ABOUT 0.5 AIR MILE EAST OF MODJESKA ROAD. IN THE SOUTH HALF OF THE SE 1/4 OF SECTION 29.

Ecological:

THIS AREA WAS BURNED DURING THE 2007 SANTIAGO FIRE. PLANTS AT BASE OF VERY LARGE NOLINA CISMONTANA. ALSO ASSOCIATED WITH ALLOPHYLLUM GLUTINOSUM, CALOCHORTUS WEEDII VAR. INTERMEDIUS, CAMISSONIA CALIFORNICA, HELIANTHUS GRACILENTUS, ETC.

Threats:

General:

ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2008 ALLEN COLLECTION.

PLSS: T05S, R07W, Sec. 29, SE (S)
Accuracy: non-specific area
Area (acres): 37
UTM: Zone-11 N3729349 E441823
Latitude/Longitude: 33.70251 / -117.62778
Elevation (feet): 1,900

County Summary:

Orange

Quad Summary:

Santiago Peak (3311765), El Toro (3311766)

Sources:

ALL08S0001 ALLEN, R. & L. WHALEN - ALLEN SN RSA #759153 2008-07-05

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 88045
EO Index: 89023
Key Quad: El Toro (3311766)
Element Code: PDLAM180A4
Occurrence Number: 27
Occurrence Last Updated: 2013-01-28

Scientific Name: *Monardella hypoleuca ssp. intermedia*
Common Name: intermediate monardella

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.3
Other Lists:

CNDDB Element Ranks: **Global:** G4T2?
State: S2?

General Habitat:

CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST (SOMETIMES).

Micro Habitat:

OFTEN IN STEEP, BRUSHY AREAS. 195-1675 M.

Last Date Observed: 2008-07-16
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-07-16
Occurrence Rank: Unknown
Owner/Manager: NATURE RESERVE OF ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

DRIPPING SPRINGS OFF OF LIMESTONE CANYON, LOMAS DE SANTIAGO, SANTA ANA MOUNTAINS.

Detailed Location:

100 METERS BELOW THE SPRING BETWEEN ACCESS ROAD AND STREAM. MAPPED BY CNDDB AS BEST GUESS ABOUT 100 METERS NW OF SPRING BETWEEN ACCESS ROAD AND STREAM.

Ecological:

ON DRY SLOPE IN OPEN BRUSH. FOREST OF QUERCUS AGRIFOLIA AND PLATANUS RACEMOSA WITH SAMBUCUS MEXICANA, RUBUS URSINUS, SOLANUM DOUGLASII, HETEROMELES ARBUTIFOLIA, RIBES MALVACEUM, R. SPECIOSUM, ROSA CALIFORNICA, KECKIELLA CORDIFOLIA, ETC.

Threats:

General:

ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2008 SANDERS & ROBERTS COLLECTION; MENTIONED AS "LOCALLY COMMON" IN 2008.

PLSS: T05S, R08W, Sec. 14, SE (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3732893 E436904
Latitude/Longitude: 33.73419 / -117.68111
Elevation (feet): 1,280

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

SAN08S0027 SANDERS, A. & F. ROBERTS - SANDERS #35845 RSA #755808 2008-07-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 88047
EO Index: 89024
Key Quad: El Toro (3311766)
Element Code: PDLAM180A4
Occurrence Number: 28
Occurrence Last Updated: 2013-02-01

Scientific Name: *Monardella hypoleuca ssp. intermedia*
Common Name: intermediate monardella

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.3
Other Lists:

CNDDB Element Ranks: **Global:** G4T2?
State: S2?

General Habitat:

CHAPARRAL, CISMONTANE WOODLAND, LOWER MONTANE CONIFEROUS FOREST (SOMETIMES).

Micro Habitat:

OFTEN IN STEEP, BRUSHY AREAS. 195-1675 M.

Last Date Observed: 2008-06-23
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-06-23
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

IRVINE RANCH; APPROXIMATELY 1/2 MILE SOUTH OF THE SINKS, SOUTH OF LIMESTONE CANYON, SANTA ANA MOUNTAINS.

Detailed Location:

MAPPED BY CNDDB AS BEST GUESS APPROXIMATELY 1/2 AIR MILE SOUTH OF THE SINKS IN VICINITY OF 1150 FEET IN ELEVATION, ACCORDING TO DIRECTIONS AND ELEVATION GIVEN ON COLLECTION LABEL.

Ecological:

RECENTLY BURNED OAK WOODLAND.

Threats:

General:

ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 2008 WOOD COLLECTION; MENTIONED AS "SCARCE" IN 2008.

PLSS: T05S, R08W, Sec. 25 (S)
Accuracy: 3/5 mile
Area (acres): 0
UTM: Zone-11 N3729972 E438236
Latitude/Longitude: 33.70793 / -117.66653
Elevation (feet): 1,150

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

WOO08S0015 WOOD, J. - WOOD #15 RSA #735941 2008-06-23

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 66320
EO Index: 105318
Key Quad: Tustin (3311767)
Element Code: PDMAL110J0
Occurrence Number: 21
Occurrence Last Updated: 2017-02-21

Scientific Name: *Sidalcea neomexicana*
Common Name: salt spring checkerbloom

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 2B.2
Other Lists: USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G4
State: S2

General Habitat:

PLAYAS, CHAPARRAL, COASTAL SCRUB, LOWER MONTANE CONIFEROUS FOREST, MOJAVEAN DESERT SCRUB.

Micro Habitat:

ALKALI SPRINGS AND MARSHES. 3-2380 M.

Last Date Observed: 1929-04-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1929-04-01
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Possibly Extirpated

Location:

SANTA ANA.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED BY CNDDB IN THE GENERAL VICINITY OF SANTA ANA.

Ecological:

Threats:

AREA HAS BEEN EXTENSIVELY DEVELOPED; POSSIBLY EXTIRPATED.

General:

MAIN SOURCE OF INFORMATION FOR THIS SITE IS A 1929 ELMORE COLLECTION. A 1908 KING COLLECTION FROM "BETWEEN SANTA ANA AND NEWPORT" IS ALSO ATTRIBUTED TO THIS SITE. NEEDS FIELDWORK.

PLSS: T05S, R09W, Sec. 18 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3734300 E419616
Latitude/Longitude: 33.74572 / -117.86785
Elevation (feet):

County Summary:

Orange

Quad Summary:

Tustin (3311767), Newport Beach (3311768), Orange (3311777), Anaheim (3311778)

Sources:

ELM29S0001 ELMORE, J. - ELMORE #2168 DAV #116756 1929-04-01

KIN08S0002 KING, A. - KING SN JEPS #67287 1908-06-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 22038
EO Index: 83690
Key Quad: Laguna Beach (3311757)
Element Code: PDPLM0C0Q0
Occurrence Number: 32
Occurrence Last Updated: 2011-05-25

Scientific Name: *Navarretia prostrata*
Common Name: prostrate vernal pool navarretia

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists:

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:

COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS, MEADOWS AND SEEPS.

Micro Habitat:

ALKALINE SOILS IN GRASSLAND, OR IN VERNAL POOLS. MESIC, ALKALINE SITES. 3-1235 M.

Last Date Observed: 1890-05-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1890-05-XX
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

LAGUNA BEACH MARSH.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB AT LAGUNA BEACH IN ORANGE COUNTY BUT COLLECTION LABEL SAYS "LAGUNA BEACH MARSH, LOS ANGELES COUNTY."

Ecological:

MARSH.

Threats:

General:

ONLY SOURCE OF INFORMATION IS A VAGUE 1890 DAVIDSON COLLECTION. NEEDS FIELDWORK.

PLSS: T07S, R09W, Sec. 24 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3712920 E427656
Latitude/Longitude: 33.55348 / -117.77931
Elevation (feet):

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

DAV90S0005 DAVIDSON, A. - DAVIDSON SN RSA #468366 1890-05-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 02650
EO Index: 54865
Key Quad: Laguna Beach (3311757)
Element Code: PDROS0W045
Occurrence Number: 5
Occurrence Last Updated: 2016-01-04

Scientific Name: *Horkelia cuneata var. puberula*
Common Name: mesa horkelia

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G4T1
State: S1

General Habitat:
CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.

Micro Habitat:
SANDY OR GRAVELLY SITES. 15-1645 M.

Last Date Observed: 1988-04-26
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1988-04-26
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
0.4 KM SW OF SUMMIT OF PELICAN HILL, SOUTH OF CORONA DEL MAR.

Detailed Location:
MAPPED AROUND THE AREA ABOUT 0.4 AIR KM SW OF PELICAN HILL AND TO ENCOMPASS 600 FEET IN ELEVATION BASED ON LOCATION DESCRIPTION AND ELEVATION ON COLLECTION LABEL.

Ecological:
HILL TOP ON GENTLE SOUTH-FACING SLOPE IN GRASSY OPENINGS OF COASTAL SAGE SCRUB. COARSE SAND.

Threats:
DEVELOPMENT HAS OCCURRED IN AREA SINCE COLLECTIONS WERE MADE; SOME SUITABLE HABITAT STILL PRESENT.

General:
"LOCALLY FREQUENT" IN 1988. A 1981 BOYD COLLECTION FROM PELICAN HILL IS ATTRIBUTED TO THIS SITE; PER B. ERTTER, THIS BOYD COLLECTION VARIES TOWARD VAR. CUNEATA.

PLSS: T07S, R09W, Sec. 5 (S)
Accuracy: 1/5 mile
Area (acres): 70
UTM: Zone-11 N3717170 E421886
Latitude/Longitude: 33.59139 / -117.84184
Elevation (feet): 600

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

BOY81S0004	BOYD, S. - BOYD SN HSC #78999 (ALSO CITED IN ERT93B0001) 1981-05-13
ERT93B0001	ERTTER, B. - EXTRACTS FROM MANUSCRIPT BY ERTTER, PP. 1-8 1993-XX-XX
ROB88S0015	ROBERTS, F. - ROBERTS #3945 RSA #542357 1988-04-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 22038
EO Index: 100193
Key Quad: Laguna Beach (3311757)
Element Code: PDROS0W045
Occurrence Number: 63
Occurrence Last Updated: 2016-01-25

Scientific Name: *Horkelia cuneata var. puberula*
Common Name: mesa horkelia

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G4T1
State: S1

General Habitat:
CHAPARRAL, CISMONTANE WOODLAND, COASTAL SCRUB.

Micro Habitat:
SANDY OR GRAVELLY SITES. 15-1645 M.

Last Date Observed: 1954-04-25
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1954-04-25
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
LAGUNA BEACH.

Detailed Location:
EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS AROUND LAGUNA BEACH TO ENCOMPASS LOCATION DESCRIPTIONS ON COLLECTION LABELS FROM "MT OLYMPUS, LAGUNA BEACH, 500 FEET" AND "MOUTH OF SMALL CANYON IN LAGUNA BEACH."

Ecological:
SANDY SOIL.

Threats:
MUCH DEVELOPMENT IN THIS AREA SINCE COLLECTIONS WERE MADE.

General:
SITE BASED ON A 1936 MUNZ COLLECTION AND A 1954 LOWER COLLECTION. ACCORDING TO ERTTER (1993), THE MUNZ COLLECTION VARIES TOWARD VAR. CUNEATA. NEEDS FIELDWORK.

PLSS: T07S, R09W, Sec. 24 (S)
Accuracy: 1 mile
Area (acres): 0
UTM: Zone-11 N3712920 E427656
Latitude/Longitude: 33.55348 / -117.77931
Elevation (feet): 500

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

ERT93B0001	ERTTER, B. - EXTRACTS FROM MANUSCRIPT BY ERTTER, PP. 1-8 1993-XX-XX
LOW54S0005	LOWER, B. - LOWER SN LA #207989 1954-04-25
MUN36S0007	MUNZ, P. - MUNZ #14606 UC #582823, POM #224742, SEINET #187061, UTC #43673, GH #345696 1936-04-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	54552	**EO Index:**	54552
Key Quad:	El Toro (3311766)	**Element Code:**	PMAGA080E0
Occurrence Number:	14	**Occurrence Last Updated:**	2014-07-21

Scientific Name: *Nolina cismontana*

Common Name: chaparral nolina

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G3
State: S3

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_SBBG-Santa Barbara Botanic Garden
USFS_S-Sensitive

General Habitat:

CHAPARRAL, COASTAL SCRUB.

Micro Habitat:

PRIMARILY ON SANDSTONE AND SHALE SUBSTRATES; ALSO KNOWN FROM GABBRO. 140-1100 M.

Last Date Observed:	1986-05-03	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	1986-05-03	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY?	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

UPPER BORREGO CANYON, ALONG SANTIAGO CANYON ROAD, 1.8 KM SOUTH OF MODJESKA CANYON ROAD.

Detailed Location:

EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB ALONG SANTIAGO CANYON RD AROUND 1.8 ROAD KM SOUTH OF MODJESKA CANYON RD. OBSERVATION FROM "LIMESTONE CYN PROPOSED REGIONAL PARK" ATTRIB HERE; LIMESTONE PARK IS ON SW SIDE OF RD.

Ecological:

S-FACING SLOPE ON SOFT SANDSTONE-DERIVED SOIL. RECENTLY BURNED CHAPARRAL. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, MALOSMA LAURINA, QUERCUS AGRIFOLIA, SILENE LACINIATA, AND DIPLACUS SP.

Threats:

LARGE PORTION OF POPULATION PROBABLY ELIMINATED IN 1989 & 1990 THROUGH GRADING ASSOCIATED WITH FOOTHILL RANCH PROJECT.

General:

PLANTS "LOCALLY ABUNDANT" IN 1985. ALSO SEEN IN 1986. BEFORE WORK BEGAN ON THE FOOTHILL RANCH PROJECT, POPULATION WAS DESCRIBED AS "EXTENSIVE." A SMALL POPULATION IS PROTECTED WITHIN LIMESTONE CANYON PARK (ROBERTS 1999). INCL FORMER EO#15.

PLSS:	T05S, R07W, Sec. 29, SW (S)	**Accuracy:**	non-specific area	**Area (acres):**	33
UTM:	Zone-11 N3729270 E440552	**Latitude/Longitude:**	33.70173 / -117.64150	**Elevation (feet):**	1,440

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

DIC85S0003	DICE, J. - DICE #593 RSA #615783, SD #142047, UCR #152711 1985-05-23
DIC85S0004	DICE, J. - DICE #594 RSA #615792 & #704388, SD #142046 1985-05-23
DIC86S0006	DICE, J. & T. OBERBAUER - DICE #649 SD #121704 1986-05-03
ROB91U0005	ROBERTS, F. - PERSONAL COMMUNICATION TO G. MADEIROS REGARDING STATUS OF NOLINA CISMONTANA IN ORANGE COUNTY. 1991-03-05
ROB99U0001	ROBERTS, F. - 6TH EDITION COMMENTS (INCLUDES INFORMATION FOR SEVERAL SPECIES) 1999-09-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	54554	**EO Index:**	54554
Key Quad:	El Toro (3311766)	**Element Code:**	PMAGA080E0
Occurrence Number:	16	**Occurrence Last Updated:**	2014-07-22

Scientific Name: *Nolina cismontana*

Common Name: chaparral nolina

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G3

State: S3

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_SBBG-Santa Barbara Botanic Garden
USFS_S-Sensitive

General Habitat:

CHAPARRAL, COASTAL SCRUB.

Micro Habitat:

PRIMARILY ON SANDSTONE AND SHALE SUBSTRATES; ALSO KNOWN FROM GABBRO. 140-1100 M.

Last Date Observed:	2009-04-15	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2009-04-15	**Occurrence Rank:**	Unknown
Owner/Manager:	CITY OF MISSION VIEJO	**Trend:**	Decreasing
Presence:	Presumed Extant		

Location:

MISSION VIEJO, 1.2 KM NW OF LAKE MISSION VIEJO, ALONG SW EDGE OF VISTA DEL LAGO JUST W OF INTERSECTION WITH CANAVERAS.

Detailed Location:

MAPPED BY CNDDB BASED ON COLLECTIONS FROM NW OF VISTA DEL LAGO/CANAVERAS INTERSECTION, "RIDGE E OF ENGLISH CRK AND W OF VISTA DEL LAGO DR, 5.3 KM ENE EL TORO FIRE STATION," AND "NEAR VISTA DEL LAGO DR, 0.9 KM NE LOS ALIOS BLVD."

Ecological:

N AND NW-FACING SLOPES. CHALKY SILT SANDSTONE DERIVED SOILS. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, RHUS OVATA, RHAMNUS ILICIFOLIA, SALVIA MELLIFERA, AND YUCCA. NO PLANTS IN POPULATION FLOWERED IN 1985 OR 1986.

Threats:

DEVELOPMENT.

General:

BASED ON COLLECTIONS/OBSERVATIONS FROM 1984, 1986, 1992, 2006, & 2009. LOCALLY COMMON IN 1986, LOCALLY FREQUENT IN 1992, OCCASIONAL IN 2006. PER ROBERTS, 1991, THIS SITE REPRESENTED ABOUT 30-50 PLANTS, BUT AREA HAS BEEN BUILT OUT.

PLSS:	T06S, R07W, Sec. 19, NW (S)	**Accuracy:**	1/10 mile	**Area (acres):**	0
UTM:	Zone-11 N3722433 E439554	**Latitude/Longitude:**	33.64002 / -117.65180	**Elevation (feet):**	900

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

DIC84S0002	DICE, J. & J. WIER - DICE #587 RSA #323273, SD #117588 1984-09-23
DIC86S0005	DICE, J. - DICE #653 RSA #506750, SD #122648, UCR #61531 1986-05-31
ROB06S0017	ROBERTS, F. & C. ROBERTS - ROBERTS #6323 RSA #716093 2006-04-28
ROB91U0005	ROBERTS, F. - PERSONAL COMMUNICATION TO G. MADEIROS REGARDING STATUS OF NOLINA CISMONTANA IN ORANGE COUNTY. 1991-03-05
ROB92S0014	ROBERTS, F. - ROBERTS #4845 RSA #594888 1992-06-21
SMI09I0007	SMITH, B. - PHOTO OF NOLINA CISMONTANA, CALPHOTOS ID: 0000 0000 0109 1553 2009-01-20
SMI09I0008	SMITH, B. - PHOTO OF NOLINA CISMONTANA, CALPHOTOS ID: 0000 0000 0609 2095 2009-03-03
SMI09I0009	SMITH, B. - PHOTOS OF NOLINA CISMONTANA, CALPHOTOS ID: 0000 0000 0609 2093 & 2094 2009-04-15

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 93262
EO Index: 94399
Key Quad: El Toro (3311766)
Element Code: PMAGA080E0
Occurrence Number: 34
Occurrence Last Updated: 2017-10-19

Scientific Name: *Nolina cismontana*
Common Name: chaparral nolina

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_SBBG-Santa Barbara Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3
State: S3

General Habitat:
CHAPARRAL, COASTAL SCRUB.

Micro Habitat:
PRIMARILY ON SANDSTONE AND SHALE SUBSTRATES; ALSO KNOWN FROM GABBRO. 140-1100 M.

Last Date Observed: 2016-06-08
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2016-06-08
Occurrence Rank: Unknown
Owner/Manager: THE WILDLANDS CONSERVANCY
Trend: Unknown
Presence: Presumed Extant

Location:
BETWEEN SILVERADO CANYON AND SPRING CANYON; EAST OF SANTIAGO CANYON ROAD AND MOSTLY SOUTH OF IRVINE MESA RD.

Detailed Location:
10 POLYGONS MAPPED ACCORDING TO A 1990 MAP BY ROBERTS AND 2016 DIGITAL DATA FROM WRENN.

Ecological:
SOUTHERN MIXED CHAPARRAL. ASSOCIATED WITH CEANOTHUS CRASSIFOLIUS, ADENOSTOMA FASCICULATUM, MALOSMA LAURINA, SALVIA MELLIFERA, ARTEMISIA CALIFORNICA, MALACOTHAMNUS DENSIFLORUS, STIPA CORONATA, RHAMNUS ILICIFOLIA, ETC.

Threats:

General:
UNKNOWN NUMBER OF PLANTS OBSERVED IN 1990. 1465 PLANTS OBSERVED IN 2016.

PLSS: T05S, R07W, Sec. 18, N (S)
Accuracy: specific area
Area (acres): 31
UTM: Zone-11 N3733342 E440183
Latitude/Longitude: 33.73843 / -117.64576
Elevation (feet): 1,300

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

ROB90F0020	ROBERTS, F. - FIELD SURVEY FORM FOR NOLINA CISMONTANA 1990-XX-XX
WRE16D0001	WRENN, L. - SHAPEFILE OF R. COULTER, N. CISMONTANA, C. WEEDII VAR. INTERMEDIUS LOCATIONS. 2016-07-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 93263
EO Index: 94400
Key Quad: El Toro (3311766)
Element Code: PMAGA080E0
Occurrence Number: 35
Occurrence Last Updated: 2017-10-12

Scientific Name: *Nolina cismontana*
Common Name: chaparral nolina

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2

CNDDB Element Ranks: **Global:** G3
State: S3
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_SBBG-Santa Barbara Botanic Garden
USFS_S-Sensitive

General Habitat:
CHAPARRAL, COASTAL SCRUB.

Micro Habitat:
PRIMARILY ON SANDSTONE AND SHALE SUBSTRATES; ALSO KNOWN FROM GABBRO. 140-1100 M.

Last Date Observed: 2007-06-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2007-06-XX
Occurrence Rank: Fair
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
SPRING CANYON, 0.35 AND 0.45 AIR MILE ENE OF THE INTERSECTION OF SANTIAGO CYN RD AND WILLIAMS CYN RD.

Detailed Location:
MAPPED BY CNDDB AS 3 POLYGONS IN THE SE 1/4 OF THE SE 1/4 OF SECTION 18 ACCORDING TO A 2007 CUMMINS MAP AND A 2007 SWCA MAP.

Ecological:
CHAMISE-HOARY-LEAF CEANOTHUS, CIENEBA SANDY LOAM, 30-75 PERCENT SLOPES.

Threats:
ACCES ROAD THROUGH POPULATION. RESIDENTIAL DEVELOPMENT.

General:
13+ PLANTS OBSERVED IN 2007. PORTION OF THIS SITE WILL BE DEVELOPED AND A TOTAL OF 6 INDIVIDUALS WILL BE REMOVED.

PLSS: T05S, R07W, Sec. 18, SE (S)
Accuracy: specific area
Area (acres): 4
UTM: Zone-11 N3732628 E440381
Latitude/Longitude: 33.73201 / -117.64357
Elevation (feet): 1,400

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

CUM07F0001	CUMMINS, T. - FIELD SURVEY FORM FOR NOLINA CISMONTANA 2007-02-14
RYA07U0001	RYAN, T. (SWCA ENVIRONMENTAL CONSULTANTS) - RESULTS OF A FOCUSED FIELD SURVEY FOR THE COASTAL CALIFORNIA GNATCATCHER AT SANTIAGO CANYON. 2007-06-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	93296	**EO Index:**	94431
Key Quad:	El Toro (3311766)	**Element Code:**	PMAGA080E0
Occurrence Number:	36	**Occurrence Last Updated:**	2017-10-12

Scientific Name: *Nolina cismontana*

Common Name: chaparral nolina

Listing Status: **Federal:** None

State: None

CNDDB Element Ranks: **Global:** G3

State: S3

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_SBBG-Santa Barbara Botanic Garden
USFS_S-Sensitive

General Habitat:

CHAPARRAL, COASTAL SCRUB.

Micro Habitat:

PRIMARILY ON SANDSTONE AND SHALE SUBSTRATES; ALSO KNOWN FROM GABBRO. 140-1100 M.

Last Date Observed:	2012-05-30	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2012-05-30	**Occurrence Rank:**	Good
Owner/Manager:	UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

SANTIAGO TRUCK TRAIL, FROM 0.2 TO 0.6 AIR MILE EAST OF INTERSECTION WITH MODJESKA GRADE RD, JUST SOUTH OF MODJESKA.

Detailed Location:

4 POLYGONS MAPPED IN THE SOUTH 1/2 OF THE SE 1/4 OF SECTION 29 ACCORDING TO 2010 DIGITAL DATA FROM SMITH AND 2012 VEGETATION SURVEY COORDINATES.

Ecological:

AREA COMPLETELY BURNED DURING SANTIAGO FIRE OF 2007. RECOVERING SAGE SCRUB AND CHAPARRAL. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, MALOSMA LAURINA, SALVIA MELLIFERA, ENCELIA CALIFORNICA, MONARDELLA HYPOLEUCA, ALLOPHYLLUM GLUTINOSUM, ETC.

Threats:

General:

550 PLANTS OBSERVED IN 2010. FEWER THAN 1000 PLANTS OBSERVED IN 2012. POPULATION CONTINUES TO THE SOUTH BUT WAS NOT MAPPED DUE TO LACK OF ACCESS. 1923 MUNZ COLLECTION AND 2008 ALLEN COLLECTION ALSO ATTRIBUTED TO THIS OCCURRENCE.

PLSS:	T05S, R07W, Sec. 29, SE (S)	**Accuracy:**	specific area	**Area (acres):**	4
UTM:	Zone-11 N3729371 E441650	**Latitude/Longitude:**	33.7027 / -117.62966	**Elevation (feet):**	1,800

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

ALL08S0004	ALLEN, R. & L. WHALEN - ALLEN SN RSA #759277 2008-07-05
MUN23S0039	MUNZ, P. - MUNZ #7728 GH #357551, POM #20633 1923-09-06
SMI10F0008	SMITH, B. (CALIFORNIA NATIVE PLANT SOCIETY) - FIELD SURVEY FORM FOR NOLINA CISMONTANA 2010-06-19
VAN12U0003	VANDERHOFF, R. - OBSERVATION RECORD FOR NOLINA CISMONTANA, CALFLORA ID: OE3037 2012-02-09
VEG16U0001	VEGETATION CLASSIFICATION AND MAPPING PROGRAM (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - DATABASE OF PLANT SPECIES OBSERVED DURING VEGETATION SURVEYS, 1984-2016 2016-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A6829
Key Quad: El Toro (3311766)
Occurrence Number: 53

EO Index: 108599
Element Code: PMAGA080E0
Occurrence Last Updated: 2017-10-16

Scientific Name: *Nolina cismontana*
Common Name: chaparral nolina

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G3
State: S3

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_SBBG-Santa Barbara Botanic Garden
USFS_S-Sensitive

General Habitat:

CHAPARRAL, COASTAL SCRUB.

Micro Habitat:

PRIMARILY ON SANDSTONE AND SHALE SUBSTRATES; ALSO KNOWN FROM GABBRO. 140-1100 M.

Last Date Observed: 2016-06-24
Last Survey Date: 2016-06-24
Owner/Manager: PVT
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Good
Trend: Unknown

Location:

ABOUT 1 AIR MILE NNW OF THE INTERSECTION OF SANTIAGO CANYON RD AND LIVE OAK CANYON ROAD, SOUTH OF MODJESKA.

Detailed Location:

MAPPED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 32.

Ecological:

SOUTHERN MIXED CHAPARRAL. ASSOCIATED WITH SALVIA MELLIFERA, MALOSMA LAURINA, AND RHUS OVATA. THE RARE CALOCHORTUS WEEDII VAR. INTERMEDIUS ALSO OCCURS AT THIS SITE.

Threats:

DEVELOPMENT.

General:

3000 PLANTS OBSERVED IN 2016.

PLSS: T05S, R07W, Sec. 32, NE (S)
UTM: Zone-11 N3728634 E441910

Accuracy: 80 meters
Latitude/Longitude: 33.69607 / -117.62681

Area (acres): 5
Elevation (feet): 1,400

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

SIN16F0006 SINGLETON, L. - FIELD SURVEY FORM FOR NOLINA CISMONTANA 2016-06-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A6830
Key Quad: El Toro (3311766)
Occurrence Number: 54

EO Index: 108600
Element Code: PMAGA080E0
Occurrence Last Updated: 2017-10-16

Scientific Name: *Nolina cismontana*
Common Name: chaparral nolina

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G3
State: S3

Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_SBBG-Santa Barbara Botanic Garden
USFS_S-Sensitive

General Habitat:
CHAPARRAL, COASTAL SCRUB.

Micro Habitat:
PRIMARILY ON SANDSTONE AND SHALE SUBSTRATES; ALSO KNOWN FROM GABBRO. 140-1100 M.

Last Date Observed: 2012-04-04
Last Survey Date: 2012-04-04
Owner/Manager: ORA COUNTY
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
BOTH SIDES OF WHITING ROAD, ABOUT 0.2 MILE NORTH OF ITS JUNCTION WITH CONCOURSE RD, NEAR HEADWATERS OF SERRANO CREEK.

Detailed Location:
MAPPED IN THE NE 1/4 OF THE SW 1/4 OF SECTION 32 ACCORDING TO 2012 VEGETATION SURVEY COORDINATES.

Ecological:
ASSOCIATED WITH ACMISPON GLABER, SALVIA MELLIFERA, ARTEMISIA CALIFORNICA, MALOSMA LAURINA, HETEROMELES ARBUTIFOLIA, BRASSICA NIGRA, HESPEROYUCCA WHIPPLEI, ADENOSTOMA FASCICULATUM, RHAMNUS ILICIFOLIA, CUSCUTA OCCIDENTALIS, ETC.

Threats:

General:
<1% COVER OF NOLINA OBSERVED IN 2012.

PLSS: T05S, R07W, Sec. 32, SW (S)
UTM: Zone-11 N3728087 E441082

Accuracy: specific area
Latitude/Longitude: 33.69109 / -117.6357

Area (acres): 10
Elevation (feet): 1,200

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

VEG16U0001 VEGETATION CLASSIFICATION AND MAPPING PROGRAM (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - DATABASE OF PLANT SPECIES OBSERVED DURING VEGETATION SURVEYS, 1984-2016 2016-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A6838
Key Quad: El Toro (3311766)
Occurrence Number: 55

EO Index: 108608
Element Code: PMAGA080E0
Occurrence Last Updated: 2017-10-17

Scientific Name: *Nolina cismontana*
Common Name: chaparral nolina

Listing Status: **Federal:** None
State: None

CNDDB Element Ranks: **Global:** G3
State: S3

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_SBBG-Santa Barbara Botanic Garden
USFS_S-Sensitive

General Habitat:

CHAPARRAL, COASTAL SCRUB.

Micro Habitat:

PRIMARILY ON SANDSTONE AND SHALE SUBSTRATES; ALSO KNOWN FROM GABBRO. 140-1100 M.

Last Date Observed: 2012-04-05
Last Survey Date: 2012-04-05
Owner/Manager: ORA COUNTY
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:

EAST OF SERRANO CREEK, ABOUT 0.65 AIR MILE NNE OF THE INTERSECTION OF PORTOLA PARKWAY AND HIGHWAY 241.

Detailed Location:

MAPPED IN THE NE 1/4 OF THE SE 1/4 OF SECTION 6 ACCORDING TO 2012 VEGETATION SURVEY COORDINATES.

Ecological:

ASSOCIATED WITH SALVIA MELLIFERA, ACMISPON GLABER, ARTEMISIA CALIFORNICA, HESPEROYUCCA WHIPPLEI, RHUS INTEGRIFOLIA, CERCOCARPUS BETULOIDES VAR. BETULOIDES, RHUS OVATA, OPUNTIA LITTORALIS, GUTIERREZIA CALIFORNICA, BRASSICA NIGRA, ETC.

Threats:

General:

1% COVER OF NOLINA OBSERVED IN 2012.

PLSS: T06S, R07W, Sec. 6, SE (S)
UTM: Zone-11 N3726440 E440277

Accuracy: 80 meters
Latitude/Longitude: 33.67619 / -117.64427

Area (acres): 5
Elevation (feet): 940

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

VEG16U0001 VEGETATION CLASSIFICATION AND MAPPING PROGRAM (CALIFORNIA DEPARTMENT OF FISH AND WILDLIFE) - DATABASE OF PLANT SPECIES OBSERVED DURING VEGETATION SURVEYS, 1984-2016 2016-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A6849
EO Index: 108618
Key Quad: Black Star Canyon (3311776)
Element Code: PMAGA080E0
Occurrence Number: 65
Occurrence Last Updated: 2017-10-17

Scientific Name: *Nolina cismontana*
Common Name: chaparral nolina

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_SBBG-Santa Barbara Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3
State: S3

General Habitat:
CHAPARRAL, COASTAL SCRUB.

Micro Habitat:
PRIMARILY ON SANDSTONE AND SHALE SUBSTRATES; ALSO KNOWN FROM GABBRO. 140-1100 M.

Last Date Observed: 2014-05-20
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2014-05-20
Occurrence Rank: Good
Owner/Manager: ORA COUNTY TRANS AUTHORITY
Trend: Unknown
Presence: Presumed Extant

Location:
HILLS NORTH OF SILVERADO CANYON, BETWEEN 0.35 AND 1 AIR MILE NORTH OF SILVERADO STATION.

Detailed Location:
6 POLYGONS MAPPED ACCORDING TO 2014 RUDALEVIGE COORDINATES, IN THE WEST 1/2 OF SECTION 7.

Ecological:
OBSERVED IN COASTAL SAGE SCRUB AND CHAPARRAL VEGETATION. PRIMARILY ON S-FACING SLOPES AND CANYON BOTTOMS IN CLAY LOAM SOILS. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, SALVIA MELLIFERA, AND CEANOTHUS CRASSIFOLIUS.

Threats:

General:
324 PLANTS OBSERVED IN 2014. SITE IS PROTECTED AS PART OF THE OCTA MEASURE M2 ENVIRONMENTAL MITIGATION PROGRAM.

PLSS: T05S, R07W, Sec. 7, W (S)
Accuracy: specific area
Area (acres): 8
UTM: Zone-11 N3734987 E439157
Latitude/Longitude: 33.75321 / -117.65695
Elevation (feet): 1,300

County Summary:	Quad Summary:
Orange	El Toro (3311766), Black Star Canyon (3311776)

Sources:

RUD14F0002 RUDALEVIGE, A. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR DEINANDRA PANICULATA & NOLINA CISMONTANA 2014-05-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 41599
EO Index: 41599
Key Quad: El Toro (3311766)
Element Code: PMLIL0C050
Occurrence Number: 55
Occurrence Last Updated: 2005-04-08

Scientific Name: *Brodiaea filifolia*
Common Name: thread-leaved brodiaea

Listing Status: **Federal:** Threatened
State: Endangered
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:

CHAPARRAL (OPENINGS), CISMONTANE WOODLAND, COASTAL SCRUB, PLAYAS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

USUALLY ASSOCIATED WITH ANNUAL GRASSLAND AND VERNAL POOLS; OFTEN SURROUNDED BY SHRUBLAND HABITATS. OCCURS IN OPENINGS ON CLAY SOILS. 15-1030 M.

Last Date Observed: 1998-06-19
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-06-19
Occurrence Rank: Good
Owner/Manager: PVT-SCE
Trend: Unknown
Presence: Presumed Extant

Location:

SOUTHERN CALIFORNIA EDISON EASEMENT, BETWEEN ALISO AND SERRANO CREEKS, ABOUT 2.5 MILES SOUTH OF MODJESKA, EL TORO.

Detailed Location:

ON WEST-FACING SLOPE, 4300 FEET NORTH OF EL TORO ROAD AND 5250 FEET EAST OF PORTOLA PARKWAY.

Ecological:

REMNANT NATIVE NEEDLEGRASS GRASSLAND DOMINATED BY NASSELLA PULCHRA. OTHER ASSOCIATES INCLUDE ISOCOMA MENZIESII AND BLOOMERIA CROCEA. HEAVY CLAY SOILS.

Threats:

LOCATED IN A FRAGMENTED PIECE OF NATIVE GRASSLAND WITH A LARGE AREA OF CYNARA CARDUNCULUS NEARBY.

General:

15 PLANTS OBSERVED BY HAMILTON IN 1998. THE SOUTHERN CALIFORNIA EDISON EASEMENT IS PLANNED AS OPEN SPACE WITHIN THE NATURAL COMMUNITIES CONSERVATION PLAN FOR ORANGE COUNTY. UNUSUALLY TALL SPECIMENS FROM THIS LOCATION-OVER 1 METER IN HEIGHT.

PLSS: T06S, R07W, Sec. 08 (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3725971 E440817
Latitude/Longitude: 33.67200 / -117.63842
Elevation (feet): 970

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

HAM98F0001 HAMILTON, R. - FIELD SURVEY FORM FOR BRODIAEA FILIFOLIA 1998-06-19

HAM98S0001 HAMILTON, R. - HAMILTON SN UCR #142299, RSA #655021 1998-06-19

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 41605
EO Index: 41605
Key Quad: San Juan Capistrano (3311756)
Element Code: PMLIL0C050
Occurrence Number: 56
Occurrence Last Updated: 2015-06-15

Scientific Name: *Brodiaea filifolia*
Common Name: thread-leaved brodiaea

Listing Status: **Federal:** Threatened
State: Endangered
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:

CHAPARRAL (OPENINGS), CISMONTANE WOODLAND, COASTAL SCRUB, PLAYAS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

USUALLY ASSOCIATED WITH ANNUAL GRASSLAND AND VERNAL POOLS; OFTEN SURROUNDED BY SHRUBLAND HABITATS. OCCURS IN OPENINGS ON CLAY SOILS. 15-1030 M.

Last Date Observed: 2010-05-07
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2010-05-07
Occurrence Rank: Fair
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

ALISO AND WOOD CYNS WILDERNESS PARK, ALISO CREEK ~0.5 MILE UPSTREAM OF CONFLUENCE WITH WOODS CREEK, SW OF MISSION VIEJO.

Detailed Location:

NORTH OF CREEK AND DIRT ROAD ALONG CREEK. MAPPED BY CNDDB AS 2 POLYGONS ACCORDING TO 2009 ROBERTS COORDINATES AND MAP IN THE SE 1/4 OF THE SE 1/4 OF SECTION 20 AND THE SW 1/4 OF THE SW 1/4 OF ADJACENT SECTION 21.

Ecological:

GENTLE TO MODERATELY STEEP SOUTH-FACING SLOPE ON CALLEGUAS CLAY LOAM SOIL IN DISTURBED NATIVE GRASSLAND AND ANNUAL GRASSLAND. ASSOCIATED WITH AVENA SP., BACCHARIS PILULARIS, STIPA PULCHRA, BLOOMERIA CROCEA, AND DICHELOSTEMMA CAPITATUM.

Threats:

EMERGENCY SEWER PROJECT HERE (2001). COMPETITION FROM NON-NATIVE GRASSES, MINOR TRAMPLING ALONG TRAIL BORDER (2009).

General:

>24 PLANTS SEEN IN 1998. 5000 PLANTS OBSERVED IN 2001; POPULATION MAY EXTEND FURTHER UPSLOPE. 1336 TOTAL PLANTS OBSERVED IN 2009, 570 PLANTS OBSERVED ALONG THE TRAIL IN 2010. OBSERVATIONS FROM 1996 AND 2003 ALSO ATTRIBUTED HERE.

PLSS: T07S, R08W, Sec. 20, SE (S)
Accuracy: specific area
Area (acres): 4
UTM: Zone-11 N3711836 E432264
Latitude/Longitude: 33.54400 / -117.72959
Elevation (feet): 130

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

DIC96S0001	DICE, J. ET AL. - DICE SN SD #240172 1996-05-09
DUD01R0006	DUDEK & ASSOCIATES - 2001 SPRING SURVEY RESULTS FOR THE ALISO CREEK EMERGENCY SEWER AND IMPROVEMENTS PROJECT ORANGE COUNTY, CALIFORNIA 2001-10-XX
ROB09F0036	ROBERTS, F. - FIELD SURVEY FORM FOR BRODIAEA FILIFOLIA 2009-02-02
SZA03I0001	SZABO, K. - PHOTO OF BRODIAEA FILIFOLIA, CALPHOTOS ID #0000 0000 0603 0209 2003-05-07
WOL98F0001	WOLF, A. - FIELD SURVEY FORM FOR BRODIAEA FILIFOLIA & HORDEUM INTERCEDENS 1998-05-01

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 87436
EO Index: 88262
Key Quad: San Juan Capistrano (3311756)
Element Code: PMLIL0C050
Occurrence Number: 121
Occurrence Last Updated: 2013-12-16

Scientific Name: *Brodiaea filifolia*
Common Name: thread-leaved brodiaea

Listing Status: **Federal:** Threatened
State: Endangered
Rare Plant Rank: 1B.1
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
SB_CRES-San Diego Zoo CRES Native Gene Seed Bank

CNDDB Element Ranks: **Global:** G2
State: S2

General Habitat:

CHAPARRAL (OPENINGS), CISMONTANE WOODLAND, COASTAL SCRUB, PLAYAS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro Habitat:

USUALLY ASSOCIATED WITH ANNUAL GRASSLAND AND VERNAL POOLS; OFTEN SURROUNDED BY SHRUBLAND HABITATS. OCCURS IN OPENINGS ON CLAY SOILS. 15-1030 M.

Last Date Observed: 2003-06-04
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-06-04
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

LOWER ARROYO TRABUCO NEAR GOLF COURSE AND O'NEILL REGIONAL PARK, SAN JUAN CAPISTRANO.

Detailed Location:

SITE IS ON OPEN SPACE ASSOCIATED WITH THE GOLF COURSE PROJECT. IN THE NE 1/4 OF THE NW 1/4 OF SECTION 19.

Ecological:

Threats:

NON-NATIVE SPECIES HAVE INCREASED AFTER CATTLE WERE REMOVED FROM THE AREA.

General:

ACCORDING TO A 2009 FWS 5 YEAR REVIEW, 80 FLOWERING STALKS WERE OBSERVED IN 1997/1998. 150 INDIVIDUALS WERE OBSERVED IN 2000 AND 60 INDIVIDUALS WERE OBSERVED IN 2001. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2003.

PLSS: T07S, R07W, Sec. 19, NW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3712858 E439293
Latitude/Longitude: 33.55364 / -117.65395
Elevation (feet): 350

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

DUD06R0013 DUDEK & ASSOCIATES, INC. - SOUTHERN ORANGE COUNTY SUBREGION, NATURAL COMMUNITY CONSERVATION PLAN/MASTER STREAMBED ALTERATION AGREEMENT/HABITAT CONSERVATION PLAN 2006-07-XX

GLA04R0001 GLENN LUKOS ASSOCIATES, INC. - FIRST ANNUAL MONITORING REPORT FOR BRODIAEA FILIFOLIA POLLINATION MONITORING, ASSOCIATED WITH ARROYO TRABUCO GOLF COURSE, MISSION VIEJO, CALIFORNIA 2004-03-XX

USF09R0001 U.S. FISH & WILDLIFE SERVICE, CARLSBAD OFFICE - BRODIAEA FILIFOLIA (THREAD-LEAVED BRODIAEA) 5-YEAR REVIEW: SUMMARY AND EVALUATION 2009-08-13

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 26707
EO Index: 894
Key Quad: San Juan Capistrano (3311756)
Element Code: PMLIL0D1J1
Occurrence Number: 1
Occurrence Last Updated: 2018-02-23

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 1983-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1983-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY, UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

ALISO VIEJO, RIDGE EAST OF EL TORO ROAD NEAR HEAD OF WOOD CANYON, SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR.

Detailed Location:

Ecological:

GROWING IN NATIVE GRASSLAND/SCRUB BARREN MOSAIC IN ASSOCIATION WITH DUDLEYA MULTICAULIS, HEMIZONIA SPP., HYPOCHAERIS GLABRA, CHORIZANTHE STATICOIDES CHRYSACANTHA, AGROSTIS DIEGOENSIS, KOELERIA MICRANTHA, STIPA SPP., AND ERIOGONUM.

Threats:

WITHIN PROPOSED TRANSPORTATION CORRIDOR.

General:

REPORTED AS AN ASSOCIATE OF DUDLEYA MULTICAULIS AND CHORIZANTHE STATICOIDES CHRYSACANTHA DURING 1983 SURVEYS ON THE SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR.

PLSS: T07S, R08W (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3717000 E430918
Latitude/Longitude: 33.59049 / -117.74450
Elevation (feet): 600

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

PRC84R0001 PRC ENGINEERING, INC. - SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR BIOLOGICAL RESOURCE ANALYSIS 1984-04-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 26708
EO Index: 893
Key Quad: San Juan Capistrano (3311756)
Element Code: PMLIL0D1J1
Occurrence Number: 2
Occurrence Last Updated: 2018-02-23

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 1983-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1983-XX-XX
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Extirpated

Location:

ALISO VIEJO, RIDGE EAST OF WOOD CANYON, SW OF THE WEST LOOP OFFRAMP OF THE SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR.

Detailed Location:

Ecological:

GROWING IN NATIVE GRASSLAND/SCRUB BARREN MOSAIC IN ASSOCIATION WITH DUDLEYA MULTICAULIS, CHORIZANTHE STATICOIDES CHRYSACANTHA, HEMIZONIA SSP., HYPOCHAERIS GLABRA, AGROSTIS DIEGOENSIS, KOELERIA MICRANTHA, STIPA SPP., AND ERIOGONUM.

Threats:

WITHIN PROPOSED TRANSPORTATION CORRIDOR.

General:

REPORTED AS AN ASSOCIATE OF DUDLEYA MULTICAULIS AND CHORIZANTHE STATICOIDES CHRYSACANTHA DURING 1983 SURVEYS. HISTORIC AERIAL IMAGERY SHOWS THAT THIS AREA WAS SCRAPED AND REBUILT DURING HIGHWAY CONSTRUCTION; POPULATION PRESUMED EXTIRPATED.

PLSS: T07S, R08W (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3716647 E431470
Latitude/Longitude: 33.58734 / -117.73852
Elevation (feet): 700

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

PRC84R0001 PRC ENGINEERING, INC. - SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR BIOLOGICAL RESOURCE ANALYSIS 1984-04-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 26709
EO Index: 892
Key Quad: San Juan Capistrano (3311756)
Element Code: PMLIL0D1J1
Occurrence Number: 3
Occurrence Last Updated: 2021-07-07

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: XXXX-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: XXXX-XX-XX
Occurrence Rank: None
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Possibly Extirpated

Location:
MONARCH SUMMIT-SEAVIEW PARK AREA, SOUTH LAGUNA.

Detailed Location:
MONARCH SUMMIT AND SEAVIEW PARK HOUSING DEVELOPMENTS ARE LOCATED ON NIGUEL HILL. MAPPED IN THE VICINITY OF NIGUEL HILL.

Ecological:

Threats:
BASED ON HISTORIC AERIAL IMAGERY, HOUSING DEVELOPMENTS WERE BUILT IN THIS VICINITY AFTER THE 1984 CHECKLIST.

General:
MAIN SOURCE OF INFORMATION FOR THIS SITE IS A 1984 PLANT LIST DEVELOPED BY MARSH, OBSERVATION DATE UNKNOWN. LOCALITY MENTIONED BY MARSH (1991) FROM THE "PACIFIC ISLAND DRIVE AREA" IS ATTRIBUTED TO THIS OCCURRENCE.

PLSS: T08S, R08W, Sec. 5 (S)
Accuracy: 2/5 mile
Area (acres): 280
UTM: Zone-11 N3708082 E432175
Latitude/Longitude: 33.51014 / -117.73028
Elevation (feet): 840

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

MAR84U0008	MARSH, K. - MONARCH SUMMIT - SEAVIEW PARK AREA, SOUTH LAGUNA, CALIFORNIA PLANT SPECIES LIST 1984-XX-XX
MAR91U0001	MARSH, K. - LETTER TO CNPS REGARDING CALOCHORTUS WEEDII VAR. INTERMEDIUS 1991-08-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 26712
EO Index: 888
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 5
Occurrence Last Updated: 2021-06-25

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2020-06-22
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-06-22
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

ALONG RIDGE NORTH OF HOBO CANYON, ABOUT 1 AIR MILE NW OF ALISO PEAK, LAGUNA BEACH.

Detailed Location:

MAPPED AS 4 POLYGONS, IN THE N HALF OF SEC 31. S-MOST POLYGON MAPPED ON GOFF RIDGE BETWEEN ALEXANDER AND HOBO CANYONS, BASED ON A 1983 MARSH FIELD SURVEY. NORTH POLYGONS BASED ON 2015 RUDALEVIGE FIELD SURVEY & 2020 HARGREAVES COORDINATES.

Ecological:

RIDGELINES AND SOUTH-FACING SLOPES IN MIXED SAGE SCRUB AND CHAPARRAL. ASSOCIATED WITH CHORIZANTHE STATICOIDES CHRYSACANTHA, ERIASTRUM SAPPHIRINUM, MUHLENBERGIA MICROSPERMA, SALVIA MELLIFERA, RHUS INTEGRIFOLIA, OPUNTIA LITTORALIS, ETC.

Threats:

DIRT TRAILS, INVASIVE SPECIES. LOTS OF FOOT/BIKING TRAFFIC ON SURROUNDING TRAILS IN 2020.

General:

SOUTH POLYGON: CALOCHORTUS WEEDII INTERMEDIUS REPORTED AS AN ASSOCIATE OF CHORIZANTHE STATICOIDES CHRYSACANTHA IN 1983. NORTH POLYGONS: 144 PLANTS OBSERVED AMONG THIS SITE AND OCCURRENCE #54 IN 2015. <50 PLANTS IN NE POLYGON IN 2020.

PLSS: T07S, R08W, Sec. 31, N (S)
Accuracy: specific area
Area (acres): 8
UTM: Zone-11 N3709720 E430017
Latitude/Longitude: 33.52478 / -117.75364
Elevation (feet): 700

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

CAL21D0001 CALFLORA - POINT SHAPEFILE OF OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS FROM CALFLORA. ACCESSED 2021-06-25. 2021-06-16

MAR83F0001 MARSH, K. - FIELD SURVEY FORM FOR CHORIZANTHE STATICOIDES SSP. CHRYSACANTHA (W/ VERBESINA DISSITA & CALOCHORTUS WEEDII VAR. INTERMEDIUS) 1983-06-XX

RUD15F0002 RUDALEVIGE, A. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2015-05-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A8552
EO Index: 29896
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 6
Occurrence Last Updated: 2021-07-07

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2019-05-26
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2019-05-26
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
JAMES DILLEY GREENBELT PRESERVE, LAGUNA COAST WILDERNESS PARK.

Detailed Location:
MAPPED AS TWO POLYGONS ACCORDING TO COORDINATES FROM INATURALIST AND CALFLORA.

Ecological:
SCRUB/SHRUBLAND.

Threats:

General:
OBSERVED IN 2016 AND 2017. FEWER THAN 10 PLANTS IN NW POLYGON IN 2019. A 1991 MARSH LETTER ALSO GIVES SITE NAME "SYCAMORE HILLS"; SYCAMORE HILLS ARE EAST OF SAN JOAQUIN HILLS AND BOUNDED BY LAGUNA CANYON ROAD AND EL TORO ROAD.

PLSS: T06S, R08W, Sec. 31, S (S)
Accuracy: specific area
Area (acres): 16
UTM: Zone-11 N3718432 E429921
Latitude/Longitude: 33.60334 / -117.75536
Elevation (feet): 515

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

BOE16I0003	BOETHLING, B. - PHOTOS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, CALPHOTOS ID: 0000 0000 0616 0530 & 0531 2016-06-05
CAL21D0001	CALFLORA - POINT SHAPEFILE OF OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS FROM CALFLORA. ACCESSED 2021-06-25. 2021-06-16
INA21U0009	INATURALIST - INATURALIST OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-06-24. 2021-06-08
MAR91U0001	MARSH, K. - LETTER TO CNPS REGARDING CALOCHORTUS WEEDII VAR. INTERMEDIUS 1991-08-26

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 26714
EO Index: 891
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 7
Occurrence Last Updated: 2021-07-20

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 1998-07-31
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-07-31
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:

SAN JOAQUIN HILLS.

Detailed Location:

MAPPED IN THE VICINITY OF BOMMER CANYON, SIGNAL HILL, AND COYOTE CANYON BASED ON DESCRIPTION AND MAP OF SUITABLE HABITAT (PRC ENGINEERING, INC 1984).

Ecological:

GROWING IN CAVE-POCKETED ROCK OUTCROPS IN ASSOCIATION WITH CARDIONEMA RAMOSISSIMA, CRASSULA ERECTA, DUDLEYA PULVERULENTA, PLANTAGO, HAPLOPAPPUS PINIFOLIUS, ANTIRHINUM NUTTALLIANUM, ERIASTRUM SAPPHIRINUM, GNAPHALIUM BICOLOR, AND OPUNTIA.

Threats:

WITHIN PROPOSED TRANSPORTATION CORRIDOR.

General:

CALOCHORTUS WEEDII INTERMEDIUS REPORTED AS CONSTITUENT OF THE ROCK OUTCROP HABITAT WHICH HAD BEEN SEARCHED FOR DUDLEYA MULTICAULIS (NOT OBSERVED) IN 1983. 68 PLANTS OBSERVED IN "UPPER MUDDY CYN, 3/4 MI SSE OF SIGNAL PEAK" IN 1998.

PLSS: T06S, R09W (S)
Accuracy: non-specific area
Area (acres): 682
UTM: Zone-11 N3719405 E425236
Latitude/Longitude: 33.61180 / -117.80593
Elevation (feet): 900

County Summary:	**Quad Summary:**
Orange	Laguna Beach (3311757)

Sources:

CPR19U0001	CALIFORNIA PLANT RESCUE - SEED BANK DATA FOR THE CALIFORNIA PLANT RESCUE PROJECT 2019-07-24
PRC84R0001	PRC ENGINEERING, INC. - SAN JOAQUIN HILLS TRANSPORTATION CORRIDOR BIOLOGICAL RESOURCE ANALYSIS 1984-04-11

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 28340
EO Index: 29457
Key Quad: Santiago Peak (3311765)
Element Code: PMLIL0D1J1
Occurrence Number: 19
Occurrence Last Updated: 2021-07-07

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive
CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2020-06-01
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2020-06-01
Occurrence Rank: Fair
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
WEST OF VULTURE CRAGS, 0.25-1 AIR MILE NW OF 4S RANCH, SOUTH OF MODJESKA.

Detailed Location:
MAPPED AS 8 POLYGONS ACCORDING TO 1999 SZABO MAP, 2016 SINGLETON COORDINATES, AND 2020 LEATHERMAN COORDINATES.

Ecological:
OPENINGS BETWEEN COASTAL SAGE SCRUB AND CHAPARRAL PLANT SPECIES. THE ASSOCIATED SPECIES INCLUDED: SALVIA MELLIFERA, ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, RHUS INTEGRIFOLIA, AND ACMISPON GLABER.

Threats:
WESTERN POLYGON EXTIRPATED BY DEVELOPMENT AFTER 2016. FUEL MODIFICATION (2020).

General:
20+ PLANTS IN 1996. 5 TO 7 PLANTS IN 1999; ORIGINALLY IDENTIFIED AS C. PLUMMERAE IN 1999, VERIFIED AS C. WEEDII VAR. INTERMEDIUS IN 2001. WEST-MOST POLYGON: 444 PLANTS IN 2016. 8 PLANTS IN 5 MIDDLE POLYGONS IN 2020. INCLUDES FORMER EO #41.

PLSS: T05S, R07W, Sec. 33, W (S)
Accuracy: specific area
Area (acres): 18
UTM: Zone-11 N3728401 E442541
Latitude/Longitude: 33.69401 / -117.61999
Elevation (feet): 1,400

County Summary:
Orange

Quad Summary:
Santiago Peak (3311765), El Toro (3311766)

Sources:

LEA20F0002	LEATHERMAN, S. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2020-06-01
SIN16F0005	SINGLETON, L. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2016-05-18
SZA02U0001	SZABO, K. - NOTE REGARDING 1999 FIELD SURVEY FORMS FOR CALOCHORTUS PLUMMERAE THAT WERE MIS-IDENTIFIED, SHOULD BE CALOCHORTUS WEEDII VAR. INTERMEDIUS. 2002-12-10
SZA99F0002	SZABO, K. (PCR SERVICES CORPORATION) - FIELD SURVEY FORM FOR CALOCHORTUS PLUMMERAE 1999-06-XX
WOL96F0002	WOLF, A. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 1996-05-30

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 48108
EO Index: 48108
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 35
Occurrence Last Updated: 2002-06-27

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive
CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 1998-06-09
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1998-06-09
Occurrence Rank: Excellent
Owner/Manager: PVT-IRVINE CO, TNC
Trend: Unknown
Presence: Presumed Extant

Location:
ALONG IRVINE CORPORATE BOUNDARY, EAST OF SHADY CANYON APPROX 2.6 AIR MILES NNW OF LAGUNA BEACH ROAD & EL TORO ROAD.

Detailed Location:
EASTERN RIDGE OF SHADY CANYON ALONG IRVINE CORPORATION BOUNDARY, LOCATED WHERE ACCESS ROAD FORMS AN "L" ON RIDGE TOP, ON EAST FACING SLOPE ADJACENT ROAD.

Ecological:
IN ROCKY KNOLL IN COASTAL SAGE SCRUB, WITH LOTUS SCOPARIUS AND OPUNTIA LITTORALIS.

Threats:
SITE IS PROTECTED.

General:
MORE THAN 15 PLANTS OBSERVED IN 1998. THE RARE DUDLEYA MULTICAULIS ALSO OCCURS AT THIS LOCATION. SITE IS WITHIN NCCP CENTRAL/COASTAL SUBREGION RESERVE.

PLSS: T06S, R09W, Sec. 25, SW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3720149 E428201
Latitude/Longitude: 33.61871 / -117.77403
Elevation (feet): 870

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:
WOL98F0027 WOLF, A. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 1998-06-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 48182
EO Index: 48182
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 36
Occurrence Last Updated: 2021-07-07

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3

Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2020-06-16
Last Survey Date: 2020-06-16
Owner/Manager: ORA COUNTY
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Good
Trend: Unknown

Location:
EAST OF IRVINE CORPORATE BOUNDARY, EAST OF SHADY CANYON, APPROX 2 AIR MILES NNW OF LAGUNA BEACH ROAD & EL TORO ROAD.

Detailed Location:
4 COLONIES MAPPED NEAR LITTLE SYCAMORE CANYON (NOT MARKED ON TOPO), A TRIBUTARY TO LAGUNA CANYON.

Ecological:
COASTAL SAGE SCRUB & OPENINGS IN QUERCUS DUMOSA WOODLAND. ASSOC WITH CHORIZANTHE PROCUMBENS, MUHLENBERGIA RIGENS, M. MICROSPERMA, LOTUS SCOPARIUS, NASSELLA PULCHRA, SALVIA MELLIFERA, CALYSTEGIA MICROSTEGIA, ERIOGONUM FASCICULATUM, ET AL.

Threats:

General:
NW COLONY: >5 PLANTS OBSERVED IN 1998. NE AND S COLONIES MAPPED NON-SPECIFICALLY BASED ON UTM COORDS WITHOUT DATUM FOR 1994 COLLECTIONS BY BRAMLET WITH 258 IN S COLONY AND 122 IN NE COLONY. MIDDLE COLONY: 1 PLANT IN 2020.

PLSS: T06S, R09W, Sec. 36, NE (S)
Accuracy: non-specific area
Area (acres): 49
UTM: Zone-11 N3719215 E428735
Latitude/Longitude: 33.61032 / -117.7682
Elevation (feet): 500

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

BRA94S0027	BRAMLET, D. - BRAMLET #2378 RSA #580944, SEINET #3885376, UC #1952572 1994-06-02
BRA94S0030	BRAMLET, D. - BRAMLET #2389 RSA #588989 1994-06-23
CAL21D0001	CALFLORA - POINT SHAPEFILE OF OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS FROM CALFLORA. ACCESSED 2021-06-25. 2021-06-16
WOL98F0027	WOLF, A. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 1998-06-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53997
EO Index: 53997
Key Quad: El Toro (3311766)
Element Code: PMLIL0D1J1
Occurrence Number: 43
Occurrence Last Updated: 2013-09-17

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2001-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-06-25
Occurrence Rank: Good
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

JUST NORTHEAST OF TOMATO SPRING, NORTH OF LAMBERT RESERVOIR AND THE EL TORO MARINE CORPS AIR STATION.

Detailed Location:

IN A NON-RESERVE OPEN SPACE AREA, EAST OF DIRT ROAD.

Ecological:

IN DISTURBED COASTAL SAGE SCRUB. SPECIES OCCURRING IN THIS AREA INCLUDE ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, OSMADENIA TENELLA, CHORIZANTHE STATICOIDES, FILAGO CALIFORNICA, ISOCOMA MENZIESII, AND OPUNTIA LITTORALIS.

Threats:

General:

4 PLANTS SEEN IN 2001. PLANTS NOT DETECTED DURING 2003 SURVEY IN PLANNING AREA 6 FOR THE NORTHERN SPHERE EIR.

PLSS: T05S, R08W, Sec. 34, NW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3728812 E434403
Latitude/Longitude: 33.69723 / -117.70781
Elevation (feet): 530

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

GAL03F0014	GALVIN, P. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2003-06-25
GAL03R0001	GALVIN, P. & B. KARPMAN (HARMSWORTH ASSOCIATES) - REPORT ON BIOLOGICAL SURVEYS IN PLANNING AREA 6, CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA 2003-06-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 53998
EO Index: 53998
Key Quad: El Toro (3311766)
Element Code: PMLIL0D1J1
Occurrence Number: 44
Occurrence Last Updated: 2013-09-17

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2003-06-25
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-06-25
Occurrence Rank: Good
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:

RIDGE BETWEEN AGUA CHINON AND LAMBERT RESERVOIR, 0.65 AIR MILE SOUTHEAST OF TOMATO SPRING, NORTHEAST OF EL TORO STATION.

Detailed Location:

LOCATED WITHIN THE DEVELOPMENT AREA OF PLANNING AREA 6. PLANTS FOUND ON A ROCKY CONGLOMERATE LEDGE IN UNBURNED COASTAL SAGE SCRUB.

Ecological:

WITHIN THE DEVELOPMENT AREA IN A LARGE PATCH OF COASTAL SAGE SCRUB SURROUNDED BY ORCHARDS AND NURSERY. ASSOCIATES INCLUDE ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, MELICA IMPERFECTA, BLOOMERIA CROCEA, MIMULUS AURANTIACUS, ET AL.

Threats:

WITHIN DEVELOPMENT AREA.

General:

1 PLANT SEEN IN 2001, 7 PLANTS SEEN IN 2003.

PLSS: T05S, R08W, Sec. 34, SE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3728159 E435165
Latitude/Longitude: 33.69140 / -117.69954
Elevation (feet): 669

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

GAL03F0014	GALVIN, P. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2003-06-25
GAL03R0001	GALVIN, P. & B. KARPMAN (HARMSWORTH ASSOCIATES) - REPORT ON BIOLOGICAL SURVEYS IN PLANNING AREA 6, CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA 2003-06-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	54002	**EO Index:**	54002
Key Quad:	El Toro (3311766)	**Element Code:**	PMLIL0D1J1
Occurrence Number:	45	**Occurrence Last Updated:**	2021-07-20

Scientific Name: *Calochortus weedii var. intermedius*

Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed:	2016-05-27	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2016-05-27	**Occurrence Rank:**	None
Owner/Manager:	PVT	**Trend:**	Unknown
Presence:	Possibly Extirpated		

Location:

WEST OF AGUA CHINON AND EAST OF PORTOLA PARKWAY, 1 AIR MILE ESE OF TOMATO SPRING, NORTH OF EL TORO STATION.

Detailed Location:

LOCATED WITHIN THE DEVELOPMENT AREA OF PLANNING AREA 6. WEST SIDE OF AGUA CHINON CANYON ALONG DIRT ROAD. TWO COLONIES MAPPED AS ONE POLYGON BY CNDDB.

Ecological:

FOUND ALONG EXPOSED SOILS IN OPEN COASTAL SAGE SCRUB DOMINATED BY YUCCA WHIPPLEI, OPUNTIA LITTORALIS, ERIOGONUM FASCICULATUM, SALVIA MELLIFERA, AND LESSINGIA FILAGINIFOLIA.

Threats:

FUTURE DEVELOPMENT & GROUND DISTURBANCE. BASED ON 2020 AERIAL IMAGERY, SITE LOOKS TO HAVE BEEN CLEARED FOR DEVELOPMENT.

General:

27 PLANTS OBSERVED IN 2001. 57 OBSERVED IN 2003. 1 PLANT OBSERVED IN THIS AREA IN 2016.

PLSS:	T05S, R08W, Sec. 35, SW (S)	**Accuracy:**	specific area	**Area (acres):**	8
UTM:	Zone-11 N3728254 E435853	**Latitude/Longitude:**	33.69230 / -117.69212	**Elevation (feet):**	630

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

DAV16F0010	DAVENPORT, L. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2016-05-27
DAV17R0001	DAVENPORT, L. - YEAR 2016 RESULTS OF FOCUSED SURVEYS FOR COASTAL CALIFORNIA GNATCATCHER AT THE REMEDIAL ACTION AT INSTALLATION RESTORATION PROGRAM SITE 1 - FORMER MARINE CORPS AIR STATION EL TORO 2017-01-31
GAL03F0014	GALVIN, P. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2003-06-25
GAL03R0001	GALVIN, P. & B. KARPMAN (HARMSWORTH ASSOCIATES) - REPORT ON BIOLOGICAL SURVEYS IN PLANNING AREA 6, CITY OF IRVINE, ORANGE COUNTY, CALIFORNIA 2003-06-17

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63371
EO Index: 63463
Key Quad: San Juan Capistrano (3311756)
Element Code: PMLIL0D1J1
Occurrence Number: 51
Occurrence Last Updated: 2005-12-12

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2003-06-03
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-06-03
Occurrence Rank: Good
Owner/Manager: ORA COUNTY-ALISO/WOOD CYN RP
Trend: Unknown
Presence: Presumed Extant

Location:

2 AIR MILES NW OF SULPHUR CREEK RESERVOIR. WEST OF WOOD CANYON.

Detailed Location:

IN THE NE 1/4 OF THE NE 1/4 OF SECTION 18. ALONG ROCK-IT TRAIL.

Ecological:

COASTAL SAGE SCRUB. DOMINANTS: ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND OPUNTIA SP. ASSOCIATES: SALVIA MELLIFERA, MIMULUS AURANTIACUS, RHUS INTEGRIFOLIA, CUSCUTA SP, LOTUS SCOPARIUS, VARIOUS WEEDS. EAST-FACING SLOPE.

Threats:

HEAVY TRAIL USE. TRAMPLING BY MOUNTAIN BIKES. TRAIL MAINTENANCE. COMPETITION FROM EXOTICS. PARASITISM BY CUSCUTA.

General:

115 PLANTS OBSERVED IN 2005.

PLSS: T07S, R08W, Sec. 18, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3714473 E430328
Latitude/Longitude: 33.56766 / -117.75065
Elevation (feet): 530

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

POL05F0003 POLSTON-BARNES, J. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2005-06-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63372
EO Index: 63464
Key Quad: San Juan Capistrano (3311756)
Element Code: PMLIL0D1J1
Occurrence Number: 52
Occurrence Last Updated: 2005-12-12

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2005-06-03
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-06-03
Occurrence Rank: Good
Owner/Manager: ORA COUNTY-ALISO/WOOD CYN RP
Trend: Unknown
Presence: Presumed Extant

Location:

2.1 AIR MILES WEST OF SULFUR CREEK RESERVOIR. WEST OF ALVISO CREEK.

Detailed Location:

ALONG ILLEGAL TRAIL HEADING WEST OF CAVE ROCK.

Ecological:

COASTAL SAGE SCRUB. DOMINANTS: ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA. ASSOCIATES: LOTUS SCOPARIUS, RHUS INTEGRIFOLIA, AND CUSCUTA SP. EAST-FACING SLOPE.

Threats:

IN CLOSE PROXIMITY TO AN ILLEGAL TRAIL. PARASITISM BY CUSCUTA OBSERVED.

General:

57 PLANTS OBSERVED IN 2005.

PLSS: T07S, R08W, Sec. 20, SW (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3712001 E431107
Latitude/Longitude: 33.54541 / -117.74207
Elevation (feet): 300

County Summary:

Orange

Quad Summary:

San Juan Capistrano (3311756)

Sources:

POL05F0002 POLSTON-BARNES, J. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2005-06-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	63373	**EO Index:**	63465
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	PMLIL0D1J1
Occurrence Number:	53	**Occurrence Last Updated:**	2005-12-12

Scientific Name: *Calochortus weedii var. intermedius*

Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed:	2005-06-09	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2005-06-09	**Occurrence Rank:**	Fair
Owner/Manager:	ORA COUNTY-ALISO/WOOD CYN RP	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

2.3 AIR MILES WSW OF SULFUR CREEK RESERVOIR. WEST OF ALVISO CREEK.

Detailed Location:

ON ILLEGAL TRAIL NE OF MEADOWS TRAIL.

Ecological:

COASTAL SAGE SCRUB. DOMINANTS: ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA. ASSOCIATES: LOTUS SCOPARIUS AND RHUS INTEGRIFOLIA. EAST-FACING SLOPE.

Threats:

IN CLOSE PROXIMITY TO AN ILLEGAL TRAIL.

General:

22 PLANTS OBSERVED IN 2005.

PLSS:	T07S, R08W, Sec. 29, NW (S)	**Accuracy:**	80 meters	**Area (acres):**	0
UTM:	Zone-11 N3711437 E430885	**Latitude/Longitude:**	33.54032 / -117.74442	**Elevation (feet):**	440

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

POL05F0005 POLSTON-BARNES, J. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2005-06-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	63374	**EO Index:**	63466
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	PMLIL0D1J1
Occurrence Number:	54	**Occurrence Last Updated:**	2021-07-07

Scientific Name: *Calochortus weedii var. intermedius*

Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed:	2019-06-02	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2019-06-02	**Occurrence Rank:**	Fair
Owner/Manager:	ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

HOBO RIDGE, APPROXIMATELY 2.8 AIR MILES SW OF SULFUR CREEK RESERVOIR, WEST OF ALISO CREEK.

Detailed Location:

MAPPED AS 3 POLYGONS BY CNDDB, IN THE WEST 1/2 SECTION 32 AND THE NE 1/4 SECTION 31. NW POLYGON BASED ON 2014 KEELAN & 2019 VANDERHOFF COORDINATES, NE POLYGON BASED ON 2005 FIELD SURVEY, AND SOUTH POLYGON BASED ON 2015 RUDALEVIGE MAP.

Ecological:

COASTAL SAGE SCRUB. DOMINANTS: ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, AND SALVIA MELLIFERA. ASSOCIATES: LOTUS SCOPARIUS, MIMULUS AURANTIACUS, RHUS INTEGRIFOLIA, AND THE RARE DICHONDRA OCCIDENTALIS. EAST-FACING SLOPE.

Threats:

DIRT TRAILS, INVASIVE SPECIES (BROMUS RUBENS AND CYNARA CARDUNCULUS NEARBY).

General:

10 PLANTS OBSERVED IN NORTHEAST POLYGON IN 2005. 144 PLANTS OBSERVED AMONG SOUTH POLYGON OF THIS OCCURRENCE AND OCCURRENCE #5 IN 2015. NW POLYGON: UNKNOWN NUMBER OBSERVED IN 2014, FEWER THAN 20 IN 2019.

PLSS:	T07S, R08W, Sec. 31, NE (S)	**Accuracy:**	specific area	**Area (acres):**	5
UTM:	Zone-11 N3709396 E430690	**Latitude/Longitude:**	33.52189 / -117.74637	**Elevation (feet):**	500

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756)

Sources:

CAL21D0001	CALFLORA - POINT SHAPEFILE OF OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS FROM CALFLORA. ACCESSED 2021-06-25. 2021-06-16
INA21U0009	INATURALIST - INATURALIST OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-06-24. 2021-06-08
KEE14U0004	KEELAN, B. - EXPORT OF 2014 OBSERVATIONS OF LIST 1B & 2B PLANTS FROM BRIAN KEELAN'S PLANT DATABASE 2014-XX-XX
POL05F0001	POLSTON-BARNES, J. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2005-06-08
RUD15F0002	RUDALEVIGE, A. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2015-05-20

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63375
EO Index: 63467
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 55
Occurrence Last Updated: 2021-07-14

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 1994-06-23
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1994-06-23
Occurrence Rank: Unknown
Owner/Manager: CITY OF IRVINE
Trend: Unknown
Presence: Presumed Extant

Location:

ON RIDGELINE BETWEEN CAMARILLO & SHADY CANYONS. 1.5 KM WEST OF LAGUNA CANYON.

Detailed Location:

183 METERS SE (PRESUMABLY MEANT SW) OF THE SHADY-CAMARILLO CANYON ROAD JUNCTION. MAPPED AROUND COORDINATES PROVIDED ON COLLECTION LABEL; MAPPED COORDINATES IN NAD27 WHICH BETTER MATCH GIVEN ELEVATION & LOCATION.

Ecological:

BURNED, ROCKY COASTAL SAGE SCRUB. ASSOCIATED WITH LOTUS SCOPARIUS, NASSELLA PULCHRA, DICHELOSTEMMA CAPITATUM, CALYSTEGIA MACROSTEGIA, ANTIRRHINUM NUTTALLIANUM, ERIOGONUM FASCICULATUM. CIENEBA ROCK COMPLEX.

Threats:

General:

21 PLANTS OBSERVED IN 1994.

PLSS: T06S, R09W, Sec. 36, SW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3718337 E427758
Latitude/Longitude: 33.60234 / -117.77866
Elevation (feet): 800

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

BRA94S0028 BRAMLET, D. - BRAMLET #2392 RSA #588976, CAS #964384, CAS-BOT-BC #132657 1994-06-23

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63376
EO Index: 63468
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 56
Occurrence Last Updated: 2005-12-12

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 1994-06-02
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1994-06-02
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

RIDGELINE ABOVE "ACT V" CANYON. 910 METERS WEST OF LAGUNA CANYON RD. SOUTH OF LAGUNA BEND AREA.

Detailed Location:

457 METERS SOUTH OF THE INTERSECTION WITH THE ACCESS ROAD TO BOAT CANYON. ADJACENT TO THE DIRT ACCESS RD.

Ecological:

E-FACING SLOPE IN ROCKY COASTAL SAGE SCRUB. ASSOC WITH LOTUS SALSUGINOSUS, NASSELLA PULCHRA, DICHELOSTEMMA CAPITATUM, LOTUS SCOPARIUS, VULPIA MYUROS, CALYSTEGIA MACROSTEGIA, ERIOGONUM FASCICULATUM, SALVIA MELLIFERA, ARTEMISIA CALIFORNICA.

Threats:

General:

30 PLANTS OBSERVED IN 1994.

PLSS: T07S, R09W, Sec. 14, E (S)
Accuracy: 1/5 mile
Area (acres): 0
UTM: Zone-11 N3714181 E427449
Latitude/Longitude: 33.56484 / -117.78164
Elevation (feet): 800

County Summary:

Orange

Quad Summary:

Laguna Beach (3311757)

Sources:

BRA94S0029 BRAMLET, D. - BRAMLET #2381 RSA #588981 1994-06-02

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63377
EO Index: 63469
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 57
Occurrence Last Updated: 2005-12-12

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive
CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2005-06-22
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-06-22
Occurrence Rank: Fair
Owner/Manager: ORA COUNTY-ALISO/WOOD CYN RP
Trend: Unknown
Presence: Presumed Extant

Location:
1.5 AIR MILES SSE OF THE INTERSECTION OF LAGUNA CANYON RD & EL TORO RD.

Detailed Location:
ALONG AN ILLEGAL TRAIL KNOWN AS CAR WRECK.

Ecological:
COASTAL SAGE SCRUB. DOMINANTS: ARTEMISIA CALIFORNICA, ERIOGONUM FASCICULATUM, SALVIA MELLIFERA, & LOTUS SCOPARIUS. ASSOCIATES: MIMULUS AURANTIACUS, RHUS INTEGRIFOLIA, EXOTIC GRASSES & FORBES. EAST-FACING SLOPE.

Threats:
COMPETITION FROM EXOTICS. IN CLOSE PROXIMITY TO AN ILLEGAL TRAIL.

General:
19 PLANTS OBSERVED IN 2005.

PLSS: T07S, R08W, Sec. 18, S (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3713850 E429945
Latitude/Longitude: 33.56201 / -117.75473
Elevation (feet): 700

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:
POL05F0004 POLSTON-BARNES, J. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2005-06-22

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 63378
EO Index: 63470
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 58
Occurrence Last Updated: 2005-12-12

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 1994-06-02
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1994-06-02
Occurrence Rank: Good
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
EMERALD CANYON, 1.2 KM NORTH OF THE PACIFIC COAST HIGHWAY.

Detailed Location:
IN THE LOWER PORTION OF THE CANYON, 150 METERS WEST OF THE EXISTING ACCESS ROAD.

Ecological:
BURNED, ROCKY COASTAL SAGE SCRUB ON CIENEBA ROCK OUTCROP COMPLEX. ASSOC: LOTUS SCOPARIUS, PHACELIA PARRYI, MALACOTHAMNUS FASCICULATUS, BROMUS MADRITENSIS, ENCELIA CALIFORNICA, NASSELLA PULCHRA, RHUS INTEGRIFOLIA, MIRABILIIS CALIFORNICA.

Threats:

General:
76 PLANTS OBSERVED IN 1994.

PLSS: T07S, R09W, Sec. 15, SE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3713596 E425538
Latitude/Longitude: 33.55943 / -117.80218
Elevation (feet): 300

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:
BRA94S0026 BRAMLET, D. - BRAMLET #2382 RSA #588984 1994-06-02

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 76922
EO Index: 77847
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 73
Occurrence Last Updated: 2009-10-14

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 1994-06-23
Occurrence Type: Natural/Native occurrence
Last Survey Date: 1994-06-23
Occurrence Rank: Unknown
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:
640 M N OF THE SHADY CYN RD-CAMARILLO CYN RD JCT, 1.5 AIRKM W OF LAGUNA CYN RD, SAN JOAQUIN HILLS.

Detailed Location:
MAPPED BY CNDDB AS BEST GUESS ON RIDGETOP ABOVE UPPER SHADY CYN ACCORDING TO COORDINATES ON COLLECTION LABEL.

Ecological:
IN BURNED COASTAL SAGE SCRUB ON CIENEBA ROCK OUTCROP COMPLEX. ASSOCIATES INCLUDE NASSELLA PULCHRA, DICHELOSTEMMA CAPITATA, LOTUS SCOPARIUS, CALYSTEGIA MACROSTEGIA, SALVIA MELLIFERA AND ERIOGONUM FASCICULATUM.

Threats:

General:
48 INDIVIDUALS SEEN BY BRAMLET IN 1994.

PLSS: T06S, R09W, Sec. 36, NW (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3719009 E428097
Latitude/Longitude: 33.60842 / -117.77506
Elevation (feet): 760

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:
BRA94S0040 BRAMLET, D. - BRAMLET #2390 RSA #588986 1994-06-23

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 76923
Key Quad: El Toro (3311766)
Occurrence Number: 74
EO Index: 77855
Element Code: PMLIL0D1J1
Occurrence Last Updated: 2021-07-07

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2017-06-05
Last Survey Date: 2017-06-05
Owner/Manager: NATURE RESERVE OF ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Good
Trend: Unknown

Location:
FRANK R. BOWERMAN LANDFILL; SOUTH OF LANDFILL, BETWEEN BEAR CANYON AND ROUND CANYON, LOMAS DE SANTIAGO.

Detailed Location:
MAPPED BY CNDDB AS 4 POLYGONS ACCORDING TO A 2005 LEATHERMAN MAP AND RUDALEVIEGE COORDINATES FROM 2016 AND 2017.

Ecological:
IN CALLEGUS CLAY LOAM SOIL IN BLACK SAGEBRUSH SCRUB ON A S-FACING, MODERATELY STEEP SLOPE. ASSOCIATES INCLUDE SALVIA MELLIFERA, YUCCA WHIPPLEI, ERIOGONUM FASCICULATUM, ETC. DUDLEYA MULTICAULIS AND CALOCHORTUS CATALINAE ALSO OCCUR HERE.

Threats:
LANDFILL EXPANSION (2005). LANDFILL OPERATIONS, LANDSLIDES POTENTIAL (2017).

General:
815 INDIVIDUALS SEEN BY LEATHERMAN IN 2005 BETWEEN OCCURRENCES #74-76 AND #111. 18 PLANTS SEEN IN WESTERN POLYGON IN 2016. 8 PLANTS SEEN IN MIDDLE POLYGON IN 2017.

PLSS: T05S, R08W, Sec. 27, N (S)
Accuracy: specific area
Area (acres): 3
UTM: Zone-11 N3730195 E434855
Latitude/Longitude: 33.70974 / -117.70304
Elevation (feet): 1,000

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

LEA05F0026	LEATHERMAN, S. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2005-05-19
RUD16F0002	RUDALVIGE, A. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2016-05-24
RUD18D0001	RUDALEVIGE, A. - CALOCHORTUS EXCEL SPREAD SHEET. 2018-01-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 76924
Key Quad: El Toro (3311766)
Occurrence Number: 75
EO Index: 77856
Element Code: PMLIL0D1J1
Occurrence Last Updated: 2021-07-07

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2017-04-21
Last Survey Date: 2017-04-21
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Good
Trend: Unknown

Location:
FRANK R. BOWERMAN LANDFILL; SW OF LANDFILL, BEE CANYON, LOMAS DE SANTIAGO.

Detailed Location:
MAPPED BY CNDDB AS 7 POLYGONS ACCORDING TO A 2005 LEATHERMAN MAP AND RUDALEVIGE COORDINATES FROM 2015 & 2017.

Ecological:
IN CALLEGUS CLAY LOAM SOIL IN BLACK SAGEBRUSH SCRUB. ASSOCIATES INCLUDE SALVIA MELLIFERA, YUCCA WHIPPLEI, ERIOGONUM FASCICULATUM, ARTEMISIA CALIFORNICA, MALACOTHAMNUS, ETC. DUDLEYA MULTICAULIS AND CALOCHORTUS CATALINAE ALSO OCCUR HERE.

Threats:
LANDFILL EXPANSION (2005). EROSION, FIRE, LANDSLIDES (2015). LANDFILL OPERATIONS, POTENTIAL LANDSLIDES (2017).

General:
815 INDIVIDUALS SEEN BY LEATHERMAN IN 2005 AMONG OCCURRENCES #74-76 AND #111. 1000+ PLANTS SEEN IN 2008. 153 PLANTS SEEN IN 2015. 10-20 PLANTS SEEN AT NORTHERN POLYGON IN 2017. SITE BURNED SOMETIME BETWEEN 2005 AND 2008.

PLSS: T05S, R08W, Sec. 22, SW (S)
Accuracy: specific area
Area (acres): 13
UTM: Zone-11 N3730919 E434009
Latitude/Longitude: 33.71622 / -117.71223
Elevation (feet): 900

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

BRA08S0031	BRAMLET, D. - BRAMLET #4281 RSA #750531 & #0013583 2008-05-22
BRA08S0032	BRAMLET, D. - BRAMLET #4283 RSA #750532 & #0013582 2008-05-28
LEA05F0026	LEATHERMAN, S. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2005-05-19
PAR15F0009	PARETI, J. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2015-XX-XX
RUD15S0001	RUDALEVIGE, A. & J. PARETI - RUDALEVIGE #ADR12 RSA #834070 & #0065926 2015-05-11
RUD18D0001	RUDALEVIGE, A. - CALOCHORTUS EXCEL SPREAD SHEET. 2018-01-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 76925
EO Index: 77857
Key Quad: El Toro (3311766)
Element Code: PMLIL0D1J1
Occurrence Number: 76
Occurrence Last Updated: 2018-02-26

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2005-05-19
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2005-05-19
Occurrence Rank: None
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Extirpated

Location:

FRANK R. BOWERMAN LANDFILL; N SIDE OF LANDFILL, N OF BEE CYN, 0.37 AIR MILE SW OF BEE PEAK, LOMAS DE SANTIAGO.

Detailed Location:

MAPPED BY CNDDB ACCORDING TO A 2005 LEATHERMAN MAP.

Ecological:

IN CALLEGUS CLAY LOAM SOIL IN BLACK SAGEBRUSH SCRUB ON A S-FACING, MODERATELY STEEP SLOPE. ASSOCIATES INCLUDE SALVIA MELLIFERA, YUCCA WHIPPLEI, ERIOGONUM FASCICULATUM, ETC. DUDLEYA MULTICAULIS AND CALOCHORTUS CATALINAE ALSO OCCUR HERE.

Threats:

LANDFILL EXPANSION (2005). SITE HAS BEEN EXTIRPATED BY LANDFILL CONSTRUCTION ACCORDING TO 2016 AERIAL IMAGERY.

General:

815 INDIVIDUALS SEEN BY LEATHERMAN IN 2005 FOR OCCURRENCES #74-76 AND #111.

PLSS: T05S, R08W, Sec. 22, NE (S)
Accuracy: specific area
Area (acres): 1
UTM: Zone-11 N3731861 E434817
Latitude/Longitude: 33.72476 / -117.70356
Elevation (feet): 1,200

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

LEA05F0026 LEATHERMAN, S. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2005-05-19

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 76950
EO Index: 77886
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 98
Occurrence Last Updated: 2009-10-14

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2003-XX-XX
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2003-XX-XX
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

LAGUNA CANYON; SR 133 BETWEEN BM 392 AND BM 379, SAN JOAQUIN HILLS.

Detailed Location:

EAST SIDE OF SR 133. IN SW PART OF PROPERTY AT THE TOP OF A SLOPE. MAPPED BY CNDDB AS A SMALL POLYGON BASED ON COORDINATE INFO FROM A 2003 HARMSWORTH ASSOCIATES BOTANICAL SURVEY.

Ecological:

IN NEEDLEGRASS GRASSLAND IN DRY, ROCKY, SHALLOW SOILS WITH RELATIVELY LOW COVER OF NON-NATIVE GRASSES. ASSOCIATES INCLUDE NASSELLA PULCHRA, DICHELOSTEMMA CAPITATUM, ERODIUM BOTRYS, EREMOCARPUS SETIGERUS, ETC.

Threats:

DEVELOPMENT, ROAD CONSTRUCTION AND FUEL MODIFICATION MENTIONED FOR IRVINE RANCH CONSERVANCY.

General:

170 INDIVIDUALS SEEN IN 2003.

PLSS: T06S, R08W, Sec. 30, SW (S)
Accuracy: specific area
Area (acres): 1
UTM: Zone-11 N3719876 E429872
Latitude/Longitude: 33.61635 / -117.75599
Elevation (feet): 400

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

HAR05R0001 HARMSWORTH ASSOCIATES - BOTANICAL SURVEYS IN THE NORTH RANCH, 2003 AND 2005, ORANGE COUNTY, CALIFORNIA 2005-12-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	90300	**EO Index:**	91337
Key Quad:	San Juan Capistrano (3311756)	**Element Code:**	PMLIL0D1J1
Occurrence Number:	101	**Occurrence Last Updated:**	2021-07-08

Scientific Name: *Calochortus weedii var. intermedius*

Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed:	2017-06-15	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2017-06-15	**Occurrence Rank:**	Unknown
Owner/Manager:	ORA COUNTY, UNKNOWN	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

NORTH AND SOUTH OF ALISO CREEK, NEAR ALISO BEACH, SOUTH LAGUNA.

Detailed Location:

5 POLYGONS MAPPED BY CNDDB: E-MOST POLYGON BASED ON 2017 INAT COORDINATES. 3 MIDDLE POLYGONS BASED ON A 1995 MAP PROVIDED BY MICHAEL BRANDMAN ASSOCIATES. W-MOST POLYGON MAPPED TO INCLUDE COORDINATES FROM TWO 2010 VANDERHOFF OBSERVATIONS.

Ecological:

COASTAL SAGEBRUSH SCRUB. GROWING INTERTWINED WITH POROPHYLLUM GRACILE IN THE NORTHERN POLYGON.

Threats:

PAST THREAT WAS TRAMPLING BY HAND CREWS DURING FUEL MODIFICATION ACTIVITIES, BUT PLANTS WERE TO BE MARKED.

General:

UNKNOWN # OF PLANTS OBSERVED AMONG 3 MIDDLE POLYGONS IN1994. 3 PLANTS IN N POLYGON AND 12 IN NEARBY POLYGON IN 1995. "SMALL, VERY LOCAL POP OF 24 PLANTS" IN W-MOST POLYGON IN 2010. UNKNOWN NUMBER IN E-MOST POLYGON IN 2017.

PLSS:	T07S, R08W, Sec. 31, SE (S)	**Accuracy:**	specific area	**Area (acres):**	25
UTM:	Zone-11 N3708414 E430439	**Latitude/Longitude:**	33.51302 / -117.74899	**Elevation (feet):**	300

County Summary:	**Quad Summary:**
Orange	San Juan Capistrano (3311756), Laguna Beach (3311757)

Sources:

CAL21D0001	CALFLORA - POINT SHAPEFILE OF OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS FROM CALFLORA. ACCESSED 2021-06-25. 2021-06-16
HAR10I0005	HARTLEY, L. - PHOTOS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, CALPHOTOS ID #0000 0000 0610 1571-1573 2010-06-16
INA21U0009	INATURALIST - INATURALIST OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-06-24. 2021-06-08
MBA95R0002	BOMKAMP, T. - LAGUNA BEACH BOTANICAL RESOURCES INVENTORY: RARE PLANT SURVEYS FOR SOUTH LAGUNA FUEL MODIFICATION ZONE 1995-06-21
VAN10U0003	VANDERHOFF, R. - OBSERVATION RECORD FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS, CALFLORA ID #OE407 2010-06-06
VAN10U0004	VANDERHOFF, R. - OBSERVATION RECORD FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS, CALFLORA ID #OE2036 2010-06-06

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number:	90309	**EO Index:**	91352
Key Quad:	El Toro (3311766)	**Element Code:**	PMLIL0D1J1
Occurrence Number:	107	**Occurrence Last Updated:**	2021-07-08

Scientific Name: *Calochortus weedii var. intermedius*

Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None

Rare Plant Rank: 1B.2

Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed:	2010-06-17	**Occurrence Type:**	Natural/Native occurrence
Last Survey Date:	2010-06-17	**Occurrence Rank:**	Unknown
Owner/Manager:	NATURE RESERVE OF ORA COUNTY	**Trend:**	Unknown
Presence:	Presumed Extant		

Location:

LOMA RIDGE, WEST LOMA RIDGE ROAD AT CALOCHORTUS RIDGE, 2.5 KM NNW OF BEE PEAK, IRVINE RANCH CONSERVANCY.

Detailed Location:

MAPPED TO INCLUDE COORDINATES FROM A 2008 ROBERTS ET AL COLLECTION AND 2010 PEAK COORDINATES FROM CALFLORA.

Ecological:

W-FACING SLOPE ON ROCKY CLAY SOIL IN CHAPARRAL/COASTAL SAGE SCRUB BURNED IN OCTOBER 2007. ASSOCIATED WITH SALVIA MELLIFERA, CALYSTEGIA MACROSTEGIA, CASTILLEJA AFFINIS, CORDYLANTHUS RIGIDUS, GUTIERREZIA CALIFORNICA, CALOCHORTUS SPLENDENS.

Threats:

General:

SEVERAL THOUSAND INDIVIDUALS OBSERVED BY ROBERTS ET AL. IN 2008; DESCRIBED AS "LOCALLY ABUNDANT." UNKNOWN NUMBER OF PLANTS OBSERVED IN 2010; OBSERVER NOTES THIS IS A "MUTANT FORM." NEEDS FIELDWORK TO DETERMINE EXTENT OF POPULATION.

PLSS:	T05S, R08W, Sec. 10, SE (S)	**Accuracy:**	80 meters	**Area (acres):**	5
UTM:	Zone-11 N3734524 E433931	**Latitude/Longitude:**	33.74873 / -117.71334	**Elevation (feet):**	1,290

County Summary:	**Quad Summary:**
Orange	El Toro (3311766)

Sources:

CAL21D0001	CALFLORA - POINT SHAPEFILE OF OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS FROM CALFLORA. ACCESSED 2021-06-25. 2021-06-16
ROB08S0008	ROBERTS, F. ET AL. - ROBERTS #7034 RSA #773550 2008-06-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 90310
EO Index: 91355
Key Quad: El Toro (3311766)
Element Code: PMLIL0D1J1
Occurrence Number: 108
Occurrence Last Updated: 2013-09-18

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2008-06-03
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-06-03
Occurrence Rank: Unknown
Owner/Manager: NATURE RESERVE OF ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

LOMA RIDGE, BETWEEN RATTLESNAKE AND HICKS CYN, APPROXIMATELY 1.2 TO 1.6 AIR MILES NE OF RATTLESNAKE RESERVOIR SPILLWAY.

Detailed Location:

3 POLYGONS MAPPED BY CNDDB BASED ON COORDINATES FROM 3 ROBERTS COLLECTIONS. IN THE WEST 1/2 OF THE NE 1/4 OF SECTION 16 AND THE NE 1/4 OF THE SW 1/4 OF SECTION 16.

Ecological:

S-FACING SLOPE ON ROCKY, SILTY CLAY SOIL AND STEEP N-FACING SLOPE ON LOAMY CLAY SOIL. COASTAL SAGE SCRUB BURNED OCTOBER 2007. ASSOCIATED WITH ELYMUS CONDENSATUS, ACOURTIA MICROCEPHALA, STIPA LEPIDA, CALYSTEGIA MACROSTEGIA, ETC.

Threats:

General:

ABOUT 330 PLANTS OBSERVED IN THE N POLYGON, 180 PLANTS IN THE MIDDLE POLYGON, AND 181 IN THE S POLYGON IN 2008. DESCRIBED AS "OCCASIONAL, PATCHY".

PLSS: T05S, R08W, Sec. 16 (S)
Accuracy: specific area
Area (acres): 15
UTM: Zone-11 N3733437 E433281
Latitude/Longitude: 33.73888 / -117.72026
Elevation (feet): 715

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

ROB08S0005 ROBERTS, F. - ROBERTS #7003 UCR #217675, RSA #0014077 2008-05-27
ROB08S0006 ROBERTS, F. - ROBERTS #7025 RSA #773559, UCR #219854 2008-06-03
ROB08S0007 ROBERTS, F. - ROBERTS #7027 RSA #773557 2008-06-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 90312
EO Index: 91357
Key Quad: El Toro (3311766)
Element Code: PMLIL0D1J1
Occurrence Number: 110
Occurrence Last Updated: 2013-09-13

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive
CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2008-06-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2008-06-05
Occurrence Rank: Unknown
Owner/Manager: IRVINE RANCH CONSERVANCY
Trend: Unknown
Presence: Presumed Extant

Location:
WEST SIDE OF HICKS HAUL RD, APPROXIMATELY 0.6 AIR MILE ENE OF RATTLESNAKE RESERVOIR SPILLWAY, IRVINE RANCH RESERVE.

Detailed Location:
SW OF THE ASPHALT PLANT. MANAGEMENT AREA 6. MAPPED ACCORDING TO COORDINATES PROVIDED ON A 2008 RIEFNER COLLECTION. DATUM NOT PROVIDED, BUT NAD 83 BETTER MATCHES THE LOCALITY DESCRIPTION.

Ecological:
POST-BURN COASTAL SAGE SCRUB.

Threats:

General:
ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2008 RIEFNER COLLECTION. DESCRIBED AS "LOCALLY ABUNDANT".

PLSS: T05S, R08W, Sec. 17, SE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3732775 E432069
Latitude/Longitude: 33.73283 / -117.73329
Elevation (feet): 540

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:
RIE08S0005 RIEFNER, R. - RIEFNER #8146 RSA #746536, UCR #208444 2008-06-05

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 90313
EO Index: 91358
Key Quad: El Toro (3311766)
Element Code: PMLIL0D1J1
Occurrence Number: 111
Occurrence Last Updated: 2018-02-26

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2017-06-05
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-06-05
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Decreasing
Presence: Presumed Extant

Location:

FRANK R. BOWERMAN LANDFILL; N SIDE OF LANDFILL, N OF BEE CYN, JUST NORTHEAST AND SOUTH OF BEE PEAK, LOMAS DE SANTIAGO.

Detailed Location:

MAPPED BY CNDDB AS 6 POLYGONS ACCORDING TO A 2005 LEATHERMAN MAP AND 2017 RUDALEVIGE DIGITAL DATA. WITHIN THE NE 1/4 NE 1/4 OF SECTION 22 AND THE SE 1/4 SE 1/4 OF SECTION 15.

Ecological:

IN CALLEGUS CLAY LOAM SOIL IN BLACK SAGEBRUSH SCRUB ON A S-FACING, MODERATELY STEEP SLOPE. ASSOCIATES INCLUDE SALVIA MELLIFERA, YUCCA WHIPPLEI, ERIOGONUM FASCICULATUM, ETC. DUDLEYA MULTICAULIS AND CALOCHORTUS CATALINAE ALSO OCCUR HERE.

Threats:

LANDFILL EXPANSION (2005). LANDFILL OPERATIONS AND POTENTIAL LANDSLIDES (2017).

General:

2 SW POLYGONS: 815 PLANTS SEEN IN 2005 BETWEEN THESE POLYGONS AND OCCURRENCES #74-76, EXTIRPATED BY LANDFILL EXPANSION ACCORDING TO AERIAL IMAGERY. 4 NE POLYGONS: 329 PLANTS SEEN IN 2017.

PLSS: T05S, R08W, Sec. 22, NE (S)
Accuracy: specific area
Area (acres): 5
UTM: Zone-11 N3732405 E435325
Latitude/Longitude: 33.7297 / -117.69813
Elevation (feet): 1,650

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

LEA05F0026	LEATHERMAN, S. - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2005-05-19
RUD18D0001	RUDALEVIGE, A. - CALOCHORTUS EXCEL SPREAD SHEET. 2018-01-09

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 90315
Key Quad: El Toro (3311766)
Occurrence Number: 112
EO Index: 91360
Element Code: PMLIL0D1J1
Occurrence Last Updated: 2013-09-13

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2008-05-16
Last Survey Date: 2008-05-16
Owner/Manager: NATURE RESERVE OF ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
AGUA CHINON WASH, 1.1 AIR MILES (1.83 KM) NE OF STATE ROUTE 241, LOMAS DE SANTIAGO.

Detailed Location:
MAPPED NON-SPECIFICALLY TO INCLUDE BRAMLET COORDINATES AND LOCATION DESCRIPTION FROM 3 METERS NORTH OF ACCESS ROAD AT GIVEN ELEVATION OF 269 M (882 FT).

Ecological:
BURNED COASTAL SAGE SCRUB. ASSOCIATED WITH SALVIA MELLIFERA, CAULANTHUS HETEROPHYLLUS, RHUS INTEGRIFOLIA, STIPA LEPIDA, PHACELIA PARRYI, ENCELIA CALIFORNICA, YUCCA WHIPPLEI, CALOCHORTUS CATALINAE, ERIOPHYLLUM CONFERTIFLORUM, ETC.

Threats:

General:
ABOUT 280 PLANTS OBSERVED BY ROBERTS IN 1999. 71 PLANTS OBSERVED BY BRAMLET IN 2008. NEED MAP DETAIL FOR THIS SITE.

PLSS: T05S, R08W, Sec. 25, SW (S)
Accuracy: 1/10 mile
Area (acres): 0
UTM: Zone-11 N3729806 E437244
Latitude/Longitude: 33.70637 / -117.67722
Elevation (feet): 882

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

BRA08S0022	BRAMLET, D. - BRAMLET #4274 RSA #753420 2008-05-16
ROB99S0002	ROBERTS, F. - ROBERTS #5238 RSA #788916 1999-06-10

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 90317
EO Index: 91361
Key Quad: El Toro (3311766)
Element Code: PMLIL0D1J1
Occurrence Number: 113
Occurrence Last Updated: 2013-09-13

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2011-06-21
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2011-06-21
Occurrence Rank: Unknown
Owner/Manager: NATURE RESERVE OF ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

AGUA CHINON WASH, 0.5 AIR MILE NE OF STATE ROUTE 241, LOMAS DE SANTIAGO.

Detailed Location:

MAPPED ACCORDING TO COORDINATES PROVIDED ON A 2011 NEWELL ET AL COLLECTION, IN THE NE 1/4 OF THE NE 1/4 OF SECTION 35. DATUM NOT PROVIDED; NAD83 IS CLOSER TO GIVEN ELEVATION OF 740 FT.

Ecological:

DRY BANK ABOVE WASH. HILLSIDE WITH SANDY CLAY SOIL. COASTAL SAGE SCRUB WITH LOTUS SCOPARIUS, ARTEMISIA CALIFORNICA, AND PLUCHEA SERICEA.

Threats:

General:

ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2011 NEWELL ET AL COLLECTION. DESCRIBED AS "OCCASIONAL".

PLSS: T05S, R08W, Sec. 35, NE (S)
Accuracy: 80 meters
Area (acres): 0
UTM: Zone-11 N3728954 E436801
Latitude/Longitude: 33.69866 / -117.68195
Elevation (feet): 740

County Summary:

Orange

Quad Summary:

El Toro (3311766)

Sources:

NEW11S0003 NEWELL, D. ET AL. - NEWELL #187 UCR #230826 2011-06-21

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 90318
Key Quad: El Toro (3311766)
Occurrence Number: 114
EO Index: 91364
Element Code: PMLIL0D1J1
Occurrence Last Updated: 2013-09-13

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2008-06-03
Last Survey Date: 2008-06-03
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
UPPER BORREGO CANYON, APPROXIMATELY 0.9 AIR MI (1.5 KM) WEST OF SANTIAGO CYN ROAD, SW OF BOLERO LOOKOUT, SANTA ANA MTNS.

Detailed Location:
MAPPED AS TWO POLYGONS BASED ON COORDINATES FROM TWO 2008 BRAMLET COLLECTIONS. ONE COLLECTION STATES PLANTS WERE "136 METERS SE OF THE ACCESS ROAD" AND THE OTHER COLLECTION STATES PLANTS WERE "215 METERS SE OF THE ACCESS ROAD."

Ecological:
BURNED CHAPARRAL. ASSOCIATED WITH ADENOSTOMA FASCICULATUM, CEANOTHUS CRASSIFOLIUS, STIPA LEPIDA, EMMENANTHE PENDULIFLORA, LUPINUS HIRSUTISSIMUS, RHUS INTEGRIFOLIA, SALVIA MELLIFERA, LOTUS SCOPARIUS, AND ELYMUS CONDENSATUS.

Threats:

General:
700 PLANTS OBSERVED IN THE WESTERN POLYGON AND 85 PLANTS OBSERVED IN THE EASTERN POLYGON IN 2008.

PLSS: T05S, R08W, Sec. 25, SE (S)
Accuracy: specific area
Area (acres): 10
UTM: Zone-11 N3729766 E438867
Latitude/Longitude: 33.70611 / -117.65971
Elevation (feet): 1,420

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:
BRA08S0025 BRAMLET, D. - BRAMLET #4288 RSA #749648 2008-06-03
BRA08S0026 BRAMLET, D. - BRAMLET #4287 RSA #749792 2008-06-03

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 90320
Key Quad: El Toro (3311766)
Occurrence Number: 115
EO Index: 91369
Element Code: PMLIL0D1J1
Occurrence Last Updated: 2021-07-21

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2020-06-13
Last Survey Date: 2020-06-13
Owner/Manager: UNKNOWN
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Good
Trend: Unknown

Location:
SANTIAGO TRUCK TRAIL, ALONG THE RIDGE JUST NORTH OF THE TRAIL, JUST SOUTH OF MODJESKA.

Detailed Location:
BETWEEN 0.1 AND 0.8 MILE. 2 POLYGONS MAPPED BY CNDDB BASED ON A KMZ FILE CONTAINING 6 POLYGONS PROVIDED WITH A 2010 SMITH SURVEY FORM. ELEVATION RANGES FROM 1700-1920 FT.

Ecological:
THIRD YEAR POST BURN. HABITAT CONSISTS OF RECOVERING SAGE SCRUB AND CHAPARRAL.

Threats:

General:
1725 PLANTS OBSERVED IN 2010. IMMEDIATE LAND USE CONSISTS OF HIKING AND MOUNTAIN BIKING. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2020.

PLSS: T05S, R07W, Sec. 29, S (S)
Accuracy: specific area
Area (acres): 16
UTM: Zone-11 N3729531 E441501
Latitude/Longitude: 33.70414 / -117.63127
Elevation (feet): 1,800

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

INA21U0009	INATURALIST - INATURALIST OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-06-24. 2021-06-08
SMI10F0007	SMITH, B. (CALIFORNIA NATIVE PLANT SOCIETY) - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2010-06-19

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 99487
EO Index: 101028
Key Quad: El Toro (3311766)
Element Code: PMLIL0D1J1
Occurrence Number: 137
Occurrence Last Updated: 2021-07-21

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2010-06-17
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2010-06-17
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
SMALL CANYON BELOW IRVINE MESA, ALONG SANTIAGO CANYON RD 1.1 KM SE OF SILVERADO SCHOOL.

Detailed Location:
MAPPED BY CNDDB ACCORDING TO 2010 PEAK COORDINATES ON CALFLORA, IN THE SW 1/4 OF THE NW 1/4 OF SECTION 18.

Ecological:
SOUTHWEST SLOPE ON ROCKY SOIL IN CHAMISE CHAPARRAL. ASSOCIATES INCLUDE ADENOSTOMA FASCICULATUM, CALYSTEGIA MACROSTEGIA, QUERCUS BERBERIDIFOLIA, AND YUCCA WHIPPLEI. AREA BURNED IN 2007.

Threats:

General:
ABOUT 1500 PLANTS OBSERVED IN 2010.

PLSS: T05S, R07W, Sec. 18, NW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3733245 E438984
Latitude/Longitude: 33.73749 / -117.65869
Elevation (feet): 1,139

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

CAL21D0001	CALFLORA - POINT SHAPEFILE OF OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS FROM CALFLORA. ACCESSED 2021-06-25. 2021-06-16
ROB10S0002	ROBERTS, F. & R. RIEFNER - ROBERTS #7020 RSA #767814 & #0014068 2010-05-30

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: 99468
EO Index: 101037
Key Quad: Black Star Canyon (3311776)
Element Code: PMLIL0D1J1
Occurrence Number: 146
Occurrence Last Updated: 2021-08-11

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2014-05-20
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2014-05-20
Occurrence Rank: Good
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:

HILLS BETWEEN SILVERADO CANYON AND BAKER CANYON, ABOUT 1 AIR MILE WEST OF MUSTANG SPRING.

Detailed Location:

MAPPED AS 8 POLYGONS FROM SOUTHERN CALIFORNIA EDISON DIGITAL DATA AND 2014 RUDALEVIGE COORDINATES, IN THE WEST HALF OF SECTION 7 AND THE NE 1/4 OF SECTION 12.

Ecological:

OBSERVED IN COASTAL SAGE SCRUB AND CHAPARRAL VEGETATION, PRIMARILY ON SOUTH-FACING SLOPES IN CLAY LOAM SOIL. ASSOCIATES INCLUDE ADENOSTOMA FASCICULATUM, SALVIA MELLIFERA, HESPEROYUCCA WHIPPLEI, ERIGONUM FASCICULATUM, BROMUS, AVENA, ETC.

Threats:

POTENTIALLY THREATENED BY ROAD CLEARANCE.

General:

UNKNOWN NUMBER OF PLANTS OBSERVED IN WESTERN POLYGON IN 2009. 18 PLANTS OBSERVED IN REMAINING POLYGONS IN 2014.

PLSS: T05S, R07W, Sec. 7, W (S)
Accuracy: specific area
Area (acres): 7
UTM: Zone-11 N3735252 E439267
Latitude/Longitude: 33.75561 / -117.65578
Elevation (feet): 1,460

County Summary:	Quad Summary:
Orange	El Toro (3311766), Black Star Canyon (3311776)

Sources:

RUD14F0001	RUDALEVIGE, A. (BONTERRA CONSULTING) - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2014-05-20
SCE17D0001	SOUTHERN CALIFORNIA EDISON - SOUTHERN CALIFORNIA BIOLOGY DATA EXPORT 2017-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A8565
EO Index: 110353
Key Quad: Santiago Peak (3311765)
Element Code: PMLIL0D1J1
Occurrence Number: 149
Occurrence Last Updated: 2018-02-28

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2016-06-08
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2016-06-08
Occurrence Rank: Unknown
Owner/Manager: THE WILDLANDS CONSERVANCY
Trend: Unknown
Presence: Presumed Extant

Location:
BETWEEN SILVERADO CANYON AND WILLIAMS CANYON, BETWEEN 1.2 AND 2 AIR MILES E OF SANTIAGO CANYON, SE OF SILVERADO.

Detailed Location:
SEVERAL POLYGONS MAPPED IN THE WEST 1/2 OF SECTION 16 AND THE EAST 1/2 OF SECTION 17.

Ecological:
BUCKWHEAT-BLACK SAGE SCRUB AND CHAPARRAL. CIENEBA SANDY LOAM AND ANAHEIM CLAY LOAM SOILS. ASSOCIATED WITH CEANOTHUS CRASSIFOLIUS, SALVIA MELLIFERA, ERIOGONUM FASCICULATUM, ADENOSTOMA FASCICULATUM, MALOSMA LAURINA, ACMISPON GLABER, ETC.

Threats:

General:
153 PLANTS OBSERVED IN 2016.

PLSS: T05S, R07W, Sec. 16, W (S)
Accuracy: specific area
Area (acres): 24
UTM: Zone-11 N3733545 E442243
Latitude/Longitude: 33.74038 / -117.62353
Elevation (feet): 1,900

County Summary:
Orange

Quad Summary:
Santiago Peak (3311765), El Toro (3311766)

Sources:
WRE16D0001 WRENN, L. - SHAPEFILE OF R. COULTER, N. CISMONTANA, C. WEEDII VAR. INTERMEDIUS LOCATIONS. 2016-07-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: A8566
Key Quad: El Toro (3311766)
Occurrence Number: 150
EO Index: 110354
Element Code: PMLIL0D1J1
Occurrence Last Updated: 2021-07-09

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2016-06-08
Last Survey Date: 2016-06-08
Owner/Manager: THE WILDLANDS CONSERVANCY, UNK
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Good
Trend: Unknown

Location:
JUST EAST OF IRVINE MESA, ABOUT 0.3 TO 1 AIR MILE SOUTHWEST AND WEST OF SILVERADO.

Detailed Location:
MAPPED AS 8 POLYGONS. NORTHERN POLYGON IS NON-SPECIFIC BASED ON A 1973 EVERETT COLLECTION. 7 SOUTHERN POLYGONS ARE SPECIFIC BASED ON 2016 WRENN DIGITAL DATA.

Ecological:
CHAMISE CHAPARRAL, BLACK SAGE SCRUB, COAST LIVE OAK WOODLAND. CINEBA SANDY LOAM, 30 TO 75 PERCENT SLOPES, ERODED. ASSOC W/ ADENOSTOMA FASCICULATUM, CEANOTHUS CRASSIFOLIUS, RHAMNUS ILLICIFOLIA, SALVIA MELLIFERA, ERIOGONUM FASCICULATUM, ETC.

Threats:

General:
NORTHERN POLYGON BASED ON A 1973 EVERETT COLLECTION FROM "SILVERADO CYN RD, 1.6 MI FROM SANTIAGO CYN RD, 1100 FT." ~490 TOTAL PLANTS OBSERVED IN 7 SOUTHERN POLYGONS IN 2016.

PLSS: T05S, R07W, Sec. 18, N (S)
Accuracy: non-specific area
Area (acres): 33
UTM: Zone-11 N3733866 E440094
Latitude/Longitude: 33.74315 / -117.64675
Elevation (feet): 1,535

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

EVE73S0001 EVERETT, R. - EVERETT #292 LOB #107366 & #6284 1973-06-28

WRE16D0001 WRENN, L. - SHAPEFILE OF R. COULTER, N. CISMONTANA, C. WEEDII VAR. INTERMEDIUS LOCATIONS. 2016-07-12

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7568
EO Index: 120641
Key Quad: San Juan Capistrano (3311756)
Element Code: PMLIL0D1J1
Occurrence Number: 164
Occurrence Last Updated: 2021-07-09

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2017-06-07
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-06-07
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
EAST OF TEMPLE HILL, ALISO AND WOOD CANYON WILDERNESS PARK, LAGUNA BEACH.

Detailed Location:
MAPPED ACCORDING TO 2017 BAILEY COORDINATES FROM INATURALIST, IN THE NE 1/4 OF NE 1/4 OF SECTION 19.

Ecological:

Threats:

General:
UNKNOWN NUMBER OF PLANTS OBSERVED IN 2017.

PLSS: T07S, R08W, Sec. 19, NE (S)
Accuracy: specific area
Area (acres): 1
UTM: Zone-11 N3712889 E430687
Latitude/Longitude: 33.5534 / -117.74667
Elevation (feet): 532

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

INA21U0009	INATURALIST - INATURALIST OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-06-24. 2021-06-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7569
Key Quad: San Juan Capistrano (3311756)
Occurrence Number: 165
EO Index: 120642
Element Code: PMLIL0D1J1
Occurrence Last Updated: 2021-07-09

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2020-06-06
Last Survey Date: 2020-06-06
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
WOOD CANYON, APPROXIMATELY 1.7 AIR MILES NNE OF TOP OF THE WORLD, ALISO AND WOOD CANYONS WILDERNESS PARK, LAGUNA BEACH.

Detailed Location:
MAPPED ACCORDING TO 2017 BAILEY COORDINATES FROM INATURALIST. 2020 INATURALIST COORDINATES HAVE POSITIONAL ACCURACY OF 244 M AND ARE CENTERED ~345 M TO NW OF THIS SITE; THAT 2020 OBSERVATION WAS ATTRIBUTED HERE DUE TO LOW LOCATION QUALITY.

Ecological:

Threats:

General:
UNKNOWN NUMBER OF PLANTS OBSERVED AT MAPPED SITE IN 2017. UNKNOWN NUMBER OF PLANTS OBSERVED IN VICINITY IN 2020.

PLSS: T07S, R08W, Sec. 7, SE (S)
UTM: Zone-11 N3715092 E430497
Accuracy: 80 meters
Latitude/Longitude: 33.57325 / -117.74889
Area (acres): 5
Elevation (feet): 344

County Summary:	Quad Summary:
Orange	San Juan Capistrano (3311756)

Sources:

INA21U0009	INATURALIST - INATURALIST OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-06-24. 2021-06-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7570
EO Index: 120643
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 166
Occurrence Last Updated: 2021-07-09

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2017-06-10
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-06-10
Occurrence Rank: Unknown
Owner/Manager: CITY OF LAGUNA BEACH
Trend: Unknown
Presence: Presumed Extant

Location:
SOUTH SIDE OF LAGUNA CANYON, APPROXIMATELY 1 AIR MILE NNW OF TOP OF THE WORLD, ALISO AND WOOD CANYONS WILDERNESS PARK.

Detailed Location:
MAPPED ACCORDING TO 2017 BAILEY COORDINATES FROM INATURALIST. NO POSITIONAL ACCURACY WAS PROVIDED WITH THESE COORDINATES.

Ecological:

Threats:

General:
UNKNOWN NUMBER OF PLANTS OBSERVED IN 2017.

PLSS: T07S, R09W, Sec. 13, SE (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3713587 E428861
Latitude/Longitude: 33.55957 / -117.76639
Elevation (feet): 668

County Summary:
Orange

Quad Summary:
Laguna Beach (3311757)

Sources:

INA21U0009 INATURALIST - INATURALIST OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-06-24. 2021-06-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7572
EO Index: 120645
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 167
Occurrence Last Updated: 2021-07-09

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2019-07-11
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2019-07-11
Occurrence Rank: Unknown
Owner/Manager: DFG-LAGUNA LAUREL ER
Trend: Unknown
Presence: Presumed Extant

Location:

WEST SIDE OF LAGUNA CANYON, APPROX 0.5 AIR MILE NW OF THE JUNCTION OF CA-133/LAGUNA CANYON RD WITH HWY 18/EL TORO RD.

Detailed Location:

MAPPED ACCORDING TO 2019 COORDINATES FROM INATURALIST. POSITIONAL ACCURACY GIVEN AS 110 M SO THIS SITE WAS MAPPED MORE GENERALLY BY THE CNDDB.

Ecological:

Threats:

General:

UNKNOWN NUMBER OF PLANTS OBSERVED IN 2019.

PLSS: T07S, R09W, Sec. 1, SE (S)
Accuracy: 1/10 mile
Area (acres): 18
UTM: Zone-11 N3716870 E428919
Latitude/Longitude: 33.58919 / -117.76603
Elevation (feet): 286

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

INA21U0009	INATURALIST - INATURALIST OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-06-24. 2021-06-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7578
Key Quad: Laguna Beach (3311757)
Occurrence Number: 168

EO Index: 120650
Element Code: PMLIL0D1J1
Occurrence Last Updated: 2021-07-14

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3

Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2017-05-24
Last Survey Date: 2017-05-24
Owner/Manager: ORA COUNTY
Presence: Presumed Extant

Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
APPROXIMATELY 0.25 AIR MILE SE OF THE JUNCTION OF SHADY CANYON RD AND CAMARILLO RD, LAGUNA COAST WILDERNESS PARK.

Detailed Location:
ALONG CAMARILLO RD. MAPPED ACCORDING TO 2017 BAILEY COORDINATES FROM INATURALIST, IN THE SOUTH 1/2 OF SECTION 36.

Ecological:

Threats:

General:
UNKNOWN NUMBER OF PLANTS OBSERVED IN 2017.

PLSS: T06S, R09W, Sec. 36, S (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3718141 E428293
Latitude/Longitude: 33.60061 / -117.77288
Elevation (feet): 473

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

INA21U0009	INATURALIST - INATURALIST OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-06-24. 2021-06-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7579
EO Index: 120652
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 169
Occurrence Last Updated: 2021-07-22

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2017-05-31
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2017-05-31
Occurrence Rank: Unknown
Owner/Manager: DPR-CRYSTAL COVE SP
Trend: Unknown
Presence: Presumed Extant

Location:
NORTH SIDE OF MORO CANYON, ABOUT 0.75 AIR MILE NE OF ITS MOUTH, CRYSTAL COVE STATE PARK.

Detailed Location:
MAPPED ACCORDING TO 2017 ROBERTS COORDINATES ON CALFLORA, IN THE NW CORNER OF SECTION 15.

Ecological:

Threats:

General:
UNKNOWN NUMBER OF PLANTS OBSERVED IN 2017. A 1996 SEED BANK COLLECTION FROM "CRYSTAL COVE STATE PARK, MORO CYN N SIDE ABOVE C. CAT. ALONG 'NO BRAINS' TRAIL" IS ALSO ATTRIBUTED HERE.

PLSS: T07S, R09W, Sec. 15, NW (S)
Accuracy: specific area
Area (acres): 1
UTM: Zone-11 N3714680 E424469
Latitude/Longitude: 33.56913 / -117.8138
Elevation (feet): 446

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:

CAL21D0001	CALFLORA - POINT SHAPEFILE OF OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS FROM CALFLORA. ACCESSED 2021-06-25. 2021-06-16
CPR19U0001	CALIFORNIA PLANT RESCUE - SEED BANK DATA FOR THE CALIFORNIA PLANT RESCUE PROJECT 2019-07-24

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7581
EO Index: 120654
Key Quad: Laguna Beach (3311757)
Element Code: PMLIL0D1J1
Occurrence Number: 170
Occurrence Last Updated: 2021-07-14

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2012-06-22
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2012-06-22
Occurrence Rank: Unknown
Owner/Manager: PVT
Trend: Unknown
Presence: Presumed Extant

Location:
BUCK GULLY, TRIBUTARY ALONG PELICAN HILLS DRIVE, NORTH SLOPE OF PELICAN HILL, 0.3 KM N OF SUMMIT.

Detailed Location:
MAPPED ACCORDING TO 2012 ROBERTS COORDINATES, IN THE WEST 1/2 OF THE NE 1/4 OF SECTION 5.

Ecological:
GROWING ALONG RIDGE TOP AND ADJACENT SLOPE IN MIXED COASTAL SAGE SCRUB AND SCRUB OAK CHAPARRAL. ASSOCIATED WITH QUERCUS BERBERIDIFOLIA, SALVIA MELLIFERA, ACMISPON GLABER, AND GALIUM ANGUSTIFOLIUM.

Threats:

General:
IN 2012, TWO PLANTS IN BLOOM, 8 IN BUD, 9 OLD STEMS FROM LAST SEASON.

PLSS: T07S, R09W, Sec. 5, NE (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3717660 E422139
Latitude/Longitude: 33.59583 / -117.83917
Elevation (feet): 648

County Summary:	Quad Summary:
Orange	Laguna Beach (3311757)

Sources:
ROB12S0002 ROBERTS, F. - ROBERTS #7634 RSA #0211636 & #890588 2012-06-22

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7595
Key Quad: El Toro (3311766)
Occurrence Number: 177
EO Index: 120667
Element Code: PMLIL0D1J1
Occurrence Last Updated: 2021-07-15

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2016-06-12
Last Survey Date: 2016-06-12
Owner/Manager: UNKNOWN
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
WEST SIDE OF SANTIAGO CANYON ROAD, APPROXIMATELY 0.4 AIR MILE NW OF MODJESKA GRADE ROAD.

Detailed Location:
MAPPED ACCORDING TO 2016 INATURALIST COORDINATES, IN THE NW 1/4 OF THE NW 1/4 OF SECTION 32.

Ecological:

Threats:

General:
UNKNOWN NUMBER OF PLANTS OBSERVED IN 2016.

PLSS: T05S, R07W, Sec. 32, NW (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3729032 E440724
Latitude/Longitude: 33.6996 / -117.63963
Elevation (feet): 1,350

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

INA21U0009 INATURALIST - INATURALIST OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-06-24. 2021-06-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7596
Key Quad: El Toro (3311766)
Occurrence Number: 178
EO Index: 120668
Element Code: PMLIL0D1J1
Occurrence Last Updated: 2021-07-15

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2017-05-29
Last Survey Date: 2017-05-29
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
BILLY GOAT TRAIL, WHITING RANCH WILDERNESS PARK.

Detailed Location:
MAPPED ACCORDING TO 2017 ALAZARD COORDINATES FROM CALFLORA, IN THE NE 1/4 OF THE NE 1/4 OF SECTION 31.

Ecological:

Threats:

General:
11-50 PLANTS OBSERVED IN 2017.

PLSS: T05S, R07W, Sec. 31, NE (S)
UTM: Zone-11 N3729059 E440117
Accuracy: 80 meters
Latitude/Longitude: 33.69981 / -117.64618
Area (acres): 5
Elevation (feet): 1,210

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

CAL21D0001 CALFLORA - POINT SHAPEFILE OF OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS FROM CALFLORA. ACCESSED 2021-06-25. 2021-06-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7597
Key Quad: El Toro (3311766)
Occurrence Number: 179
EO Index: 120669
Element Code: PMLIL0D1J1
Occurrence Last Updated: 2021-08-11

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2019-06-30
Last Survey Date: 2019-06-30
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
APPROXIMATELY 2 AIR MILES NW OF MODJESKA, IRVINE RANCH OPEN SPACE.

Detailed Location:
MAPPED AS 7 POLYGONS ACCORDING TO SOUTHERN CALIFORNIA EDISON DIGITAL DATA AND 2018 & 2019 INATURALIST COORDINATES. IN THE SW 1/4 OF SECTION 19 AND THE SE 1/4 OF SECTION 24.

Ecological:

Threats:
POTENTIALLY THREATENED BY ROAD CLEARANCE.

General:
111 PLANTS OBSERVED IN PORTION OF SITE IN 2011. UNKNOWN NUMBER OF PLANTS OBSERVED IN 2018 AND 2019.

PLSS: T05S, R08W, Sec. 24, SE (S)
Accuracy: specific area
Area (acres): 5
UTM: Zone-11 N3731299 E438923
Latitude/Longitude: 33.71994 / -117.65922
Elevation (feet): 1,410

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

INA21U0009	INATURALIST - INATURALIST OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-06-24. 2021-06-08
SCE17D0001	SOUTHERN CALIFORNIA EDISON - SOUTHERN CALIFORNIA BIOLOGY DATA EXPORT 2017-XX-XX

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7598
Key Quad: El Toro (3311766)
Occurrence Number: 180
EO Index: 120670
Element Code: PMLIL0D1J1
Occurrence Last Updated: 2021-07-15

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2016-06-05
Last Survey Date: 2016-06-05
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
LIMESTONE CANYON ROAD, APPROXIMATELY 0.6 AIR MILE WEST OF SILVERADO SCHOOL, IRVINE RANCH OPEN SPACE.

Detailed Location:
MAPPED ACCORDING TO 2016 ETCHISON COORDINATES FROM CALFLORA, IN THE NE 1/4 OF THE NE 1/4 OF SECTION 14.

Ecological:
SCRUB/SHRUBLAND.

Threats:

General:
2-10 PLANTS OBSERVED IN 2016.

PLSS: T05S, R08W, Sec. 14, NE (S)
UTM: Zone-11 N3733867 E437108
Accuracy: specific area
Latitude/Longitude: 33.743 / -117.67899
Area (acres): 1
Elevation (feet): 1,012

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:

CAL21D0001 CALFLORA - POINT SHAPEFILE OF OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS FROM CALFLORA. ACCESSED 2021-06-25. 2021-06-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7599
Key Quad: El Toro (3311766)
Occurrence Number: 181
EO Index: 120671
Element Code: PMLIL0D1J1
Occurrence Last Updated: 2021-07-22

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2019-07-07
Last Survey Date: 2019-07-07
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
DRIPPING SPRINGS LOOP E, APPROXIMATELY 1.3 AIR MILES SW OF SILVERADO SCHOOL, IRVINE RANCH OPEN SPACE.

Detailed Location:
MAPPED ACCORDING TO 2019 INATURALIST COORDINATES, IN THE SOUTH 1/2 OF SECTION 14. NO POSITIONAL ACCURACY WAS PROVIDED WITH THIS POINT.

Ecological:

Threats:

General:
UNKNOWN NUMBER OF PLANTS OBSERVED IN 2019.

PLSS: T05S, R08W, Sec. 14, S (S)
UTM: Zone-11 N3733052 E436353
Accuracy: 80 meters
Latitude/Longitude: 33.7356 / -117.68708
Area (acres): 5
Elevation (feet): 1,271

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

INA21U0009	INATURALIST - INATURALIST OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-06-24. 2021-06-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7600
Key Quad: El Toro (3311766)
Occurrence Number: 182
EO Index: 120672
Element Code: PMLIL0D1J1
Occurrence Last Updated: 2021-07-15

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
CNDDB Element Ranks: **Global:** G3G4T3
State: S3
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2019-06-08
Last Survey Date: 2019-06-08
Owner/Manager: ORA COUNTY
Presence: Presumed Extant
Occurrence Type: Natural/Native occurrence
Occurrence Rank: Unknown
Trend: Unknown

Location:
DRIPPING SPRINGS LOOP E, APPROXIMATELY 1.5 AIR MILES WSW OF SILVERADO SCHOOL, IRVINE RANCH OPEN SPACE.

Detailed Location:
MAPPED ACCORDING TO 2019 INATURALIST COORDINATES, IN THE WEST 1/2 OF SECTION 14.

Ecological:

Threats:

General:
UNKNOWN NUMBER OF PLANTS OBSERVED IN 2016 AND 2019.

PLSS: T05S, R08W, Sec. 14, W (S)
Accuracy: specific area
Area (acres): 1
UTM: Zone-11 N3733187 E435820
Latitude/Longitude: 33.73678 / -117.69284
Elevation (feet): 1,520

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

INA21U0009	INATURALIST - INATURALIST OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS, FROM HTTP://WWW.INATURALIST.ORG. ACCESSED 2021-06-24. 2021-06-08

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7601
EO Index: 120673
Key Quad: El Toro (3311766)
Element Code: PMLIL0D1J1
Occurrence Number: 183
Occurrence Last Updated: 2021-07-15

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive

CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2021-06-16
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2021-06-16
Occurrence Rank: Unknown
Owner/Manager: ORA COUNTY
Trend: Unknown
Presence: Presumed Extant

Location:
LOMA RIDGE SPUR, APPROXIMATELY 2 AIR MILES WEST OF SILVERADO SCHOOL, IRVINE RANCH OPEN SPACE.

Detailed Location:
MAPPED AS 2 POLYGONS ACCORDING TO 2021 SAROA COORDINATES FROM CALFLORA, IN THE NE 1/4 OF SECTION 15.

Ecological:

Threats:

General:
IN 2021, NORTHERN POLYGON HAD 10 PLANTS AND SOUTHERN POLYGON HAD <50 PLANTS.

PLSS: T05S, R08W, Sec. 15, NE (S)
Accuracy: specific area
Area (acres): 1
UTM: Zone-11 N3733511 E435196
Latitude/Longitude: 33.73966 / -117.6996
Elevation (feet): 1,350

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

CAL21D0001 CALFLORA - POINT SHAPEFILE OF OBSERVATIONS OF CALOCHORTUS WEEDII VAR. INTERMEDIUS FROM CALFLORA. ACCESSED 2021-06-25. 2021-06-16

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7602
EO Index: 120674
Key Quad: El Toro (3311766)
Element Code: PMLIL0D1J1
Occurrence Number: 184
Occurrence Last Updated: 2021-07-15

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive
CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:

COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:

DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2019-05-24
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2019-05-24
Occurrence Rank: Excellent
Owner/Manager: IRVINE RANCH WATER DISTRICT
Trend: Unknown
Presence: Presumed Extant

Location:

JUST WEST OF SIPHON/SYPHON RESERVOIR AND EAST OF THE JUNCTION OF PORTOLA PKWY AND BEE CANYON ACCESS RD, NE OF IRVINE.

Detailed Location:

POPULATION APPEARED TO BE ON A HILL WITH NATIVE VEGETATION THAT WAS RELATIVELY UNDISTURBED BY PREVIOUS LAND USES (I.E., NOT RESTORED). MAPPED ACCORDING TO 2019 TANAKA COORDINATES, IN THE SW 1/4 OF THE NE 1/4 OF SECTION 29.

Ecological:

GROWING WITHIN CA SAGEBRUSH SCRUB ON TOP OF A RIDGELINE IN GRAVELLY SOIL. A NUMBER OF LILIES WERE GROWING FROM WITHIN THE COVER OF CA BUCKWHEAT (ERIOGONUM FASCICULATUM) SHRUB, WHILE OTHERS WERE GROWING OUT IN THE OPEN BARE GROUND.

Threats:

FIRE (SITE WAS PREVIOUSLY BURNED IN THE 2007 SANTIAGO FIRE).

General:

17 PLANTS OBSERVED IN 2019.

PLSS: T05S, R08W, Sec. 29, NE (S)
Accuracy: 80 meters
Area (acres): 5
UTM: Zone-11 N3730439 E431926
Latitude/Longitude: 33.71176 / -117.73467
Elevation (feet): 464

County Summary:	Quad Summary:
Orange	El Toro (3311766)

Sources:

TAN19F0003 TANAKA, M. (ESA) - FIELD SURVEY FORM FOR CALOCHORTUS WEEDII VAR. INTERMEDIUS 2019-05-24

Occurrence Report

California Department of Fish and Wildlife

California Natural Diversity Database

Map Index Number: B7611
EO Index: 120684
Key Quad: El Toro (3311766)
Element Code: PMLIL0D1J1
Occurrence Number: 192
Occurrence Last Updated: 2021-07-22

Scientific Name: *Calochortus weedii var. intermedius*
Common Name: intermediate mariposa-lily

Listing Status: **Federal:** None
State: None
Rare Plant Rank: 1B.2
Other Lists: SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden
USFS_S-Sensitive
CNDDB Element Ranks: **Global:** G3G4T3
State: S3

General Habitat:
COASTAL SCRUB, CHAPARRAL, VALLEY AND FOOTHILL GRASSLAND.

Micro Habitat:
DRY, ROCKY CALCAREOUS SLOPES AND ROCK OUTCROPS. 60-1575 M.

Last Date Observed: 2004-06-03
Occurrence Type: Natural/Native occurrence
Last Survey Date: 2004-06-03
Occurrence Rank: Unknown
Owner/Manager: UNKNOWN
Trend: Unknown
Presence: Presumed Extant

Location:
TRIBUTARY TO WILLIAMS CANYON, 610 M SW OF WILLIAMS CANYON & 122 M W OF EXISTING ACCESS ROAD, SANTA ANA MOUNTAINS.

Detailed Location:
COORDINATES PROVIDED DO NOT MATCH TRS PROVIDED AND LOCATION DESCRIPTION IS UNCLEAR. MAPPED AS BEST GUESS IN NW 1/4 NW 1/4 OF SEC 20 BASED ON TRS PROVIDED & TO INCLUDE AREA ~122 M W OF WHAT APPEARS TO BE ACCESS RD AND GIVEN ELEV OF 1620 FT.

Ecological:
ANNUAL GRASSLAND ON SE FACING SLOPE. ASSOCIATED WITH SELAGINELLA BIGELOVII, CHAENACTIS GLABRIUSCULA, SALVIA COLUMBARIAE, BROMUS MADRITENSIS, BLOOMERIA CROCEA, POA SECUNDA, YUCCA WHIPPLEI, DUDLEYA LANCEOLATA, ETC.

Threats:

General:
5 PLANTS OBSERVED IN EARLY FLOWER IN 2004.

PLSS: T05S, R07W, Sec. 20, NW (S)
Accuracy: 1/5 mile
Area (acres): 70
UTM: Zone-11 N3732050 E440763
Latitude/Longitude: 33.72682 / -117.63941
Elevation (feet): 1,620

County Summary:
Orange

Quad Summary:
El Toro (3311766)

Sources:
BRA04S0009 BRAMLET, D. - BRAMLET #3596 RSA #0135555 & #867346 2004-06-03

State Density Bonus Law
(Government Code Section 65915 *et seq.*)

The California State Density Bonus Law ("SDBL"), California Government Code Section 65915, encourages construction of affordable and senior housing units by allowing a developer to increase density in a residential or mixed-use housing project above the maximum allowable in a City's General Plan and utilize incentives, concessions, or waivers or reductions in development standards in exchange for providing a certain percentage of affordable units within its project. SDBL offers three categories of benefits:

1. A project may seek an increase in residential density;
2. A project may receive incentives or concessions (generally defined as a reduction of development standards, modifications of zoning code requirements, or approval of mixed-use zoning) to offset the costs of providing affordable housing on-site; and
3. The City must waive any local development standard that would preclude construction of the project with the additional density or the incentives or concessions. The amount of the density bonus and the number of incentives or concessions depends on the amount and level of affordability of the on-site affordable units.

What types of projects are qualified to use Density Bonus Law, and what is the allowable density bonus?

Residential projects with five or more units that meet at least one of the following types of development and affordability:

Residential Project Type	Percentage of Affordable (or Other) Units Proposed	Density Bonus Allowance
☐ Residential project with units for low-income households	Minimum 10% of the total base units	*See density bonus percentage table on page 4*
☐ Residential project with units for very low-income households	Minimum 5% of the total base units	*See density bonus percentage table on page 4*
☐ Residential project with units for sale to moderate-income households	Minimum 10% of the total base units	*See density bonus percentage table on page 4*
☐ Senior citizen housing development or age-restricted mobile home park[1]	100% of the units must be age-restricted; no affordability required	20% above the base density
☐ Residential project with housing for transitional foster youth, disabled veterans, or homeless persons	Minimum 10% of the total base units	20% above the base density
☐ Student housing development for low-income students[2]	Minimum 20% of the total base units	*See density bonus percentage table on page 4*

[1] "Senior Citizen Housing Development" means a residential project of at least 35 dwelling units developed, substantially rehabilitated, or substantially renovated for occupancy by senior citizens. (Cal. Civ. Code, § 51.3.) Mobile home parks for older persons may also qualify for a density bonus.

[2] All units in a "Student Housing Development" must be used for undergraduate, graduate, or professional students enrolled full-time at an accredited institution of higher education. "Student housing development" to mean a development that contains bedrooms containing 2 or more bedspaces that have a shared or private bathroom, access to a shared or private living room and laundry facilities, and access to a shared or private kitchen.

CONCESSIONS AND INCENTIVES, WAIVERS, AND PARKING

CONCESSIONS AND INCENTIVES

An applicant for a density bonus may request a "concession" or "incentive" of a development standard in order to facilitate the construction of the residential housing project, including the density bonus or "extra" units. A concession or incentive is a reduction in site development standards or modification of zoning code or objective design requirements that results in identifiable and actual cost reductions to provide for the on-site affordable housing, approval of mixed-use zoning in conjunction with the housing project if commercial, office, industrial, or other land uses will reduce the cost of the housing development and are compatible with the housing project and proposed development in the area, and/or other regulatory incentives or concessions that result in identifiable and actual cost reductions to provide for affordable housing costs.

A density bonus applicant of a qualified housing development is eligible to receive the following number of incentives or concessions, based on the overall percentage of provided affordable units and the provided affordable units' levels of affordability.

Number of Concessions or Incentives	Minimum % of Affordable Units Required		
	Very Low-Income	Lower-Income	Moderate-Income
1*	5%	10%	10%***
2**	10%	17%	20%***
3	15%	24%	30%***
4	16%	N/A	45%***
5	N/A	100%****	N/A

*Student housing developments with at least 20% of the total units for lower income students are eligible for one concession or incentive.
** Student housing developments with at least 23% of the total units for lower income students are eligible for two concessions or incentives.
***Applicable to for-sale developments only.
****Except up to 20% of units may be for moderate-income households.

WAIVERS

Applicants may also request waivers or reductions of development standards that will physically preclude the construction of a qualifying development at the densities or with the concessions or incentives permitted under the State Density Bonus Law. Unlike concessions and incentives, which are aimed at reducing the cost of constructing affordable housing, there is no limit to the number of waivers that can be requested and awarded to remove physical constraints that would physically preclude the construction of an approved project.

DENIAL OF AN INCENTIVE, CONCESSION OR WAIVER

The City can deny the requested incentive, concession, or waiver if it finds, based upon substantial evidence, that the request would either:

- Not result in an identifiable and actual cost reduction to providing affordable units (incentive/concession only);

- Have a specific, adverse, and unavoidable impact on public health and safety;
- Have an adverse impact on a property that is listed in the California Register of Historical Resources; or
- Be contrary to state or federal law.

PARKING REQUIREMENTS

Another way the State Density Bonus Law incentivizes the construction of affordable and senior citizen housing units is by allowing the reduction of the minimum number of parking spaces required for Density Bonus projects.

Unit Type	Parking Requirement
Studio	1 space
1 bedroom	1 space
2 bedroom	1.5 spaces
3 bedroom	1.5 spaces
4 bedroom	2.5 spaces
Bedspace in Student Housing	0 spaces

Reductions in parking space requirements differ depending on whether a project is within ½ mile of a "Major Transit Stop" (as defined below) and has unobstructed access to such a Major Transit Stop.

Development Type	Parking Requirement
Rental/for sale projects with at least 11% very low income or 20% lower income units, within 1/2 mile of accessible major transit stop	0.5 spaces per unit
Rental projects 100% affordable to lower income, within 1/2 mile of accessible major transit stop	0 spaces per unit
Rental senior projects 100% affordable to lower income, either with paratransit service or within 1/2-half mile of accessible bus route (operating at least eight times per day)	0 spaces per unit
Rental special needs projects 100% affordable to lower income households, either with paratransit service or within 1/2-half mile of accessible bus route (operating at least eight times per day)	0 spaces per unit
Rental supportive housing developments 100% affordable to lower income households	0 spaces per unit

Under California law (Public Resources Code § 21155), a major transit stop is generally:

- An existing rail transit station.
- A ferry terminal served by bus or rail.
- The intersection of two or more major bus routes with service every 20 minutes or less during peak commute hours.

These can be existing, under construction, or in regional transportation plans.

LAND DONATION

Density Bonus Law offers a sliding scale bonus for land donations, enabling market-rate housing developers to outsource the development of affordable units to local agencies or experienced developers. Applications that propose a donation of land to the City may also be entitled to an increase in density, subject to certain requirements identified Govt. Code Section 65915. The land must satisfy all of the following requirements:

- Has the appropriate general plan designation and zoning to permit construction the number of units affordable to very low-income households in an amount not less than 10% of the units in the residential development;
- At least one acre in size or of sufficient size to permit development of at least 40 units; and
- Served by adequate public facilities and infrastructure.

If the proposed land donation meets the above requirements, applicants are eligible for an increase in density in addition to any density bonuses related to the inclusion of affordable units above, up to a combined maximum density of 35%. Additional density increases are dependent on the number of units reserved for very low-income households over the 10% minimum threshold, as shown in the table below:

Percent Very Low-Income	Density Bonus Percentage
10	15
11	16
12	17
13	18
14	19
15	20
16	21
17	22
18	23
19	20
20	25

Percent Very Low-Income	Density Bonus Percentage
21	26
22	27
23	28
24	29
25	30
26	31
27	32
28	33
29	34
30	35

DENSITY BONUS ALLOWANCES

The following chart shows the eligible amount of the density bonus based upon the percentage of affordable units at each income level for a project.[3]

[3] Developments may also be eligible for additional density bonuses above the amounts shown in the table under specified circumstances if they include childcare facilities or additional very low or moderate-income units.

Density Bonus Percentages[1]							
Percentage of Affordable Units[2]	Very Low-Income	Low-Income	Moderate-Income[3]	Land Donation	Senior[4]	Foster Youth/disabled vets/homeless	Low-Income College Students
5%	20%	-	-	-	20%	-	-
6%	22.5%	-	-	-	20%	-	-
7%	25%	-	-	-	20%	-	-
8%	27.5%	-	-	-	20%	-	-
9%	30%	-	-	-	20%	-	-
10%	32.5%	20%	5%	15%	20%	20%	-
11%	35%	21.5%	6%	16%	20%	20%	-
12%	38.75%	23%	7%	17%	20%	20%	-
13%	42.5%	24.5%	8%	18%	20%	20%	-
14%	46.25%	26%	9%	19%	20%	20%	-
15%	50%	27.5%	10%	20%	20%	20%	-
16%	50%	29%	11%	21%	20%	20%	-
17%	50%	30.5%	12%	22%	20%	20%	-
18%	50%	32%	13%	23%	20%	20%	-
19%	50%	33.5%	14%	24%	20%	20%	-
20%	50%	35%	15%	25%	20%	20%	35%
21%	50%	38.75%	16%	26%	20%	20%	38.75%
22%	50%	42.5%	17%	27%	20%	20%	42.5%
23%	50%	46.25%	18%	28%	20%	20%	46.25%
24%	50%	50%	19%	29%	20%	20%	50%
25%	50%	50%	20%	30%	20%	20%	50%
26%	50%	50%	21%	31%	20%	20%	50%
27%	50%	50%	22%	32%	20%	20%	50%
28%	50%	50%	23%	33%	20%	20%	50%
29%	50%	50%	24%	34%	20%	20%	50%
30%	50%	50%	25%	35%	20%	20%	50%
31%	50%	50%	26%	35%	20%	20%	50%
32%	50%	50%	27%	35%	20%	20%	50%
33%	50%	50%	28%	35%	20%	20%	50%
34%	50%	50%	29%	35%	20%	20%	50%
35%	50%	50%	30%	35%	20%	20%	50%
36%	50%	50%	31%	35%	20%	20%	50%
37%	50%	50%	32%	35%	20%	20%	50%
38%	50%	50%	33%	35%	20%	20%	50%
39%	50%	50%	34%	35%	20%	20%	50%

40%	50%	50%	35%	35%	20%	20%	50%
41%	50%	50%	38.75%	35%	20%	20%	50%
42%	50%	50%	42.5%	35%	20%	20%	50%
43%	50%	50%	46.25%	35%	20%	20%	50%
44%	50%	50%	50%	35%	20%	20%	50%

[1] All density bonus calculations resulting in fractions are rounded up to the next whole number.
[2] Affordable unit percentage is calculated excluding units added by a density bonus.
[3] Moderate income density bonus applies to for sale units, not to rental units.
[4] No affordable units are required for senior units.

Chronology of Key Dates

- October 28, 2024: The preliminary application for the proposed residential development is submitted to City.
- January 23, 2025: The formal entitlement application is submitted to City.
- February 21, 2025: City staff provided notice to the Applicant that the application was incomplete and provided a detailed list of items that needed to be addressed.
- March 19, 2025: Applicant resubmitted a revised entitlement package for the Project.
- April 18, 2025: City staff deemed the application complete.
- June 17, 2025: City staff provided a letter to the Applicant consisting of a (i) Consistency Determination, (ii) Technical Review, (iii) General Plan Housing Element Discussion, and (iv) CEQA Discussion.
- September 26, 2025: Applicant submitted a revised entitlement package, which included a new project scope, an increase in dwelling units, VTTM revisions, site plan changes, Assembly Bill ("AB") 130 CEQA exemption, and responses to comments from the June 17, 2025, letter
- December 19, 2025, the Applicant submitted a revised entitlement package to address the comments from the September 26, 2025, submittal.

Attachment 5

Link to Project Documents:

https://www.lagunahillsca.gov/572/Residential-Development-Project-Document

City of Laguna Hills
City Council / Planning Agency
Staff Report

Date: February 24, 2026
To: Mayor and Council Members
From: Kayle McDonald, Deputy City Clerk
Issue: Committee Assignment Report

Recommendation: That the City Council receive reports from the City Council Members on the City Council Committee Assignments listed on the staff report.

Background:

The following are recent meetings and events attended by the City Council for their City Council Committee Assignments.

Orange County Older Adults Advisory Commission (OCOAAC)
Council Member Wheeler
February 13, Regular Meeting

Transportation Corridor Agencies (TCA)
San Joaquin Hills TCA Board of Directors
Council Member Pezold
February 12, Joint Board Meeting

Orange County Mosquito and Vector Control District (OCMVCD)
Board of Trustees
Council Member Pezold
February 19, Regular Meeting

Fiscal Impact:

The City does not provide any additional compensation to City Council members for

serving on outside agency boards or committees.

Attachments:
None