tial Study/Negative Declaration	
	Appendix (
	Dialogical Descriptor Compositing Informatio
	Biological Resources Supporting Information

City of Buena Park—Three-Sided Electronic Billboard Project and Billboard Overlay Expansion (DA-21-1 and C-21-1)

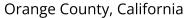


# IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

## Location





## Local office

Carlsbad Fish And Wildlife Office

**\(** (760) 431-9440

**(760)** 431-5901

2177 Salk Avenue - Suite 250 Carlsbad, CA 92008-7385

http://www.fws.gov/carlsbad/

# Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

- 1. Draw the project location and click CONTINUE.
- 2. Click DEFINE PROJECT.
- 3. Log in (if directed to do so).
- 4. Provide a name and description for your project.
- 5. Click REQUEST SPECIES LIST.

Listed species<sup>1</sup> and their critical habitats are managed by the <u>Ecological Services Program</u> of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries<sup>2</sup>).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact <u>NOAA Fisheries</u> for <u>species under their jurisdiction</u>.

- 1. Species listed under the <u>Endangered Species Act</u> are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the <u>listing status page</u> for more information. IPaC only shows species that are regulated by USFWS (see FAQ).
- 2. <u>NOAA Fisheries</u>, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

### **Mammals**

NAME STATUS

Pacific Pocket Mouse Perognathus longimembris pacificus

Wherever found

No critical habitat has been designated for this species.

http://ecos.fws.gov/ecp/species/8080

Endangered

**Birds** 

NAME STATUS

California Least Tern Sterna antillarum browni

Camornia Least Terri Sterria aritiliarum browi

Wherever found

No critical habitat has been designated for this species.

http://ecos.fws.gov/ecp/species/8104

Endangered

Coastal California Gnatcatcher Polioptila californica californica

Wherever found

There is **final** critical habitat for this species. The location of the critical habitat is not available.

http://ecos.fws.gov/ecp/species/8178

**Threatened** 

Western Snowy Plover Charadrius nivosus nivosus

There is **final** critical habitat for this species. The location of the critical habitat is not available.

http://ecos.fws.gov/ecp/species/8035

Threatened

Insects

NAME STATUS

Monarch Butterfly Danaus plexippus

Wherever found

No critical habitat has been designated for this species.

http://ecos.fws.gov/ecp/species/9743

Candidate

Flowering Plants

NAME STATUS

Salt Marsh Bird's-beak Cordylanthus maritimus ssp. maritimus

Wherever found

No critical habitat has been designated for this species.

http://ecos.fws.gov/ecp/species/6447

**Endangered** 

Ventura Marsh Milk-vetch Astragalus pycnostachyus var.

lanosissimus

Wherever found

There is **final** critical habitat for this species. The location of the critical habitat is not available.

http://ecos.fws.gov/ecp/species/1160

**Endangered** 

### Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

# Migratory birds

Certain birds are protected under the Migratory Bird Treaty  $Act^{1}$  and the Bald and Golden Eagle Protection  $Act^{2}$ .

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described <u>below</u>.

- 1. The Migratory Birds Treaty Act of 1918.
- 2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <a href="http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php">http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php</a>
- Measures for avoiding and minimizing impacts to birds
   <a href="http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php">http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php</a>
- Nationwide conservation measures for birds <a href="http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf">http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf</a>

The birds listed below are birds of particular concern either because they occur on the <u>USFWS Birds</u> of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ <u>below</u>. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the <u>E-bird data mapping tool</u> (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found <u>below</u>.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NAME

BREEDING SEASON (IF A
BREEDING SEASON IS INDICATED
FOR A BIRD ON YOUR LIST, THE
BIRD MAY BREED IN YOUR
PROJECT AREA SOMETIME WITHIN
THE TIMEFRAME SPECIFIED,
WHICH IS A VERY LIBERAL
ESTIMATE OF THE DATES INSIDE
WHICH THE BIRD BREEDS
ACROSS ITS ENTIRE RANGE.
"BREEDS ELSEWHERE" INDICATES

THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)

Breeds Feb 1 to Jul 15

#### Allen's Hummingbird Selasphorus sasin

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="http://ecos.fws.gov/ecp/species/9637">http://ecos.fws.gov/ecp/species/9637</a>

Tricolored Blackbird Agelaius tricolor

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

http://ecos.fws.gov/ecp/species/3910

Breeds Mar 15 to Aug 10

Wrentit Chamaea fasciata

This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.

Breeds Mar 15 to Aug 10

# **Probability of Presence Summary**

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

#### Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.

- 2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
- 3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

#### Breeding Season (

Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

#### Survey Effort (1)

Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

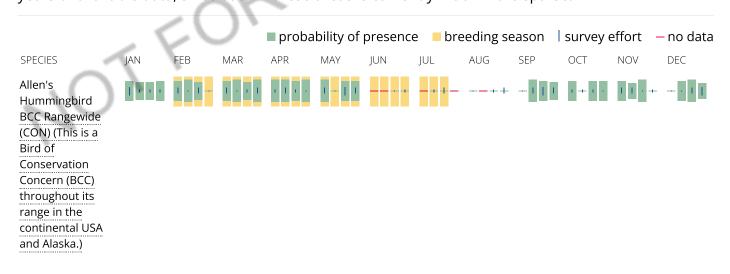
To see a bar's survey effort range, simply hover your mouse cursor over the bar.

#### No Data (-)

A week is marked as having no data if there were no survey events for that week.

#### **Survey Timeframe**

Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.



Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

#### What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS <u>Birds of Conservation Concern (BCC)</u> and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the <u>Avian Knowledge Network (AKN)</u>. The AKN data is based on a growing collection of <u>survey, banding, and citizen science datasets</u> and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (<u>Eagle Act</u> requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the <u>AKN Phenology Tool</u>.

# What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the <u>Avian Knowledge Network (AKN)</u>. This data is derived from a growing collection of <u>survey</u>, <u>banding</u>, <u>and citizen science datasets</u>.

10/19/21, 12:58 PM

Tricolored
Blackbird
BCC Rangewide
(CON) (This is a
Bird of
Conservation
Concern (BCC)
throughout its
range in the
continental USA
and Alaska.)

Wrentit

BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.) Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

#### How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

#### What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

- 1. "BCC Rangewide" birds are <u>Birds of Conservation Concern</u> (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
- 2. "BCC BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
- 3. "Non-BCC Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the <u>Eagle Act</u> requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

#### Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the <u>Northeast Ocean Data Portal</u>. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the <u>NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.</u>

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the <u>Diving Bird Study</u> and the <u>nanotag studies</u> or contact <u>Caleb Spiegel</u> or <u>Pam Loring</u>.

#### What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to <u>obtain a permit</u> to avoid violating the Eagle Act should such impacts occur.

#### Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10

km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

## **Facilities**

Wildlife refuges and fish hatcheries

REFUGE AND FISH HATCHERY INFORMATION IS NOT AVAILABLE AT THIS TIME

# Wetlands in the National Wetlands Inventory

Impacts to <u>NWI wetlands</u> and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local <u>U.S. Army Corps of Engineers District</u>.

#### WETLAND INFORMATION IS NOT AVAILABLE AT THIS TIME

This can happen when the National Wetlands Inventory (NWI) map service is unavailable, or for very large projects that intersect many wetland areas. Try again, or visit the <u>NWI map</u> to view wetlands at this location.

#### **Data limitations**

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

#### Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

#### **Data precautions**

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

T FOR CONSUL



# California Department of Fish and Wildlife California Natural Diversity Database



**Query Criteria:** 

Quad<span style='color:Red'> IS </span>(Los Alamitos (3311871)<span style='color:Red'> OR </span>Whittier (3311881)<span style='color:Red'> OR </span>La Habra (3311788)<span style='color:Red'> OR </span>Anaheim (3311778)<span style='color:Red'> OR </span>Newport Beach (3311768)<span style='color:Red'> OR </span>Seal Beach (3311861)<span style='color:Red'> OR </span>Long Beach (3311872)<span style='color:Red'> OR </span>South Gate (3311882))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Abronia villosa var. aurita	PDNYC010P1	None	None	G5T2?	S2	1B.1
chaparral sand-verbena	. 2 66.6.	. 10.10		00.2.	02	
Agelaius tricolor	ABPBXB0020	None	Threatened	G1G2	S1S2	SSC
tricolored blackbird						
Aimophila ruficeps canescens	ABPBX91091	None	None	G5T3	S3	WL
southern California rufous-crowned sparrow						
Ammodramus savannarum	ABPBXA0020	None	None	G5	S3	SSC
grasshopper sparrow						
Anniella stebbinsi	ARACC01060	None	None	G3	S3	SSC
Southern California legless lizard						
Aphanisma blitoides	PDCHE02010	None	None	G3G4	S2	1B.2
aphanisma						
Aspidoscelis hyperythra orange-throated whiptail	ARACJ02060	None	None	G5	S2S3	WL
Aspidoscelis tigris stejnegeri coastal whiptail	ARACJ02143	None	None	G5T5	S3	SSC
Astragalus hornii var. hornii Horn's milk-vetch	PDFAB0F421	None	None	GUT1	S1	1B.1
Astragalus pycnostachyus var. lanosissimus Ventura Marsh milk-vetch	PDFAB0F7B1	Endangered	Endangered	G2T1	S1	1B.1
Athene cunicularia	ABNSB10010	None	None	G4	S3	SSC
burrowing owl						
Atriplex coulteri	PDCHE040E0	None	None	G3	S1S2	1B.2
Coulter's saltbush						
Atriplex pacifica	PDCHE041C0	None	None	G4	S2	1B.2
south coast saltscale						
Atriplex parishii	PDCHE041D0	None	None	G1G2	S1	1B.1
Parish's brittlescale						
Atriplex serenana var. davidsonii	PDCHE041T1	None	None	G5T1	S1	1B.2
Davidson's saltscale						
Bombus crotchii	IIHYM24480	None	None	G3G4	S1S2	
Crotch bumble bee						
Branchinecta sandiegonensis	ICBRA03060	Endangered	None	G2	S2	
San Diego fairy shrimp						
Buteo regalis	ABNKC19120	None	None	G4	S3S4	WL
ferruginous hawk						
Buteo swainsoni	ABNKC19070	None	Threatened	G5	S3	
Swainson's hawk						



# California Department of Fish and Wildlife California Natural Diversity Database



Species Elemen			0 0		0 5 .	Rare Plant Rank/CDFW
		Federal Status	State Status	Global Rank	State Rank	SSC or FP
California Walnut Woodland CTT712 California Walnut Woodland	210CA	None	None	G2	S2.1	
Calochortus plummerae PMLIL0I	D150	None	None	G4	S4	4.2
Plummer's mariposa-lily						
Calochortus weedii var. intermedius PMLIL0I	D1J1	None	None	G3G4T2	S3	1B.2
intermediate mariposa-lily						
Calystegia felix PDCON	1040P0	None	None	G1Q	S1	1B.1
lucky morning-glory						
Campylorhynchus brunneicapillus sandiegensis ABPBG  coastal cactus wren	02095	None	None	G5T3Q	S3	SSC
Centromadia parryi ssp. australis PDAST4 southern tarplant	4R0P4	None	None	G3T2	S2	1B.1
·	02024	Throotonod	None	COTO	CO	000
Charadrius nivosus nivosus ABNNBe western snowy plover	03031	Threatened	None	G3T3	S2	SSC
Chelonia mydas ARAAAI	02010	Threatened	None	G3	S4	
green turtle						
Chloropyron maritimum ssp. maritimum PDSCR	0J0C2	Endangered	Endangered	G4?T1	S1	1B.2
salt marsh bird's-beak						
Cicindela hirticollis gravida IICOL02 sandy beach tiger beetle	2101	None	None	G5T2	S2	
Cicindela latesignata latesignata IICOL02	2113	None	None	G2G4T1T2	S1	
western beach tiger beetle						
Cicindela senilis frosti IICOL02	2121	None	None	G2G3T1T3	S1	
senile tiger beetle						
Coccyzus americanus occidentalis ABNRB	02022	Threatened	Endangered	G5T2T3	S1	
western yellow-billed cuckoo						
Coelus globosus IICOL4A	A010	None	None	G1G2	S1S2	
globose dune beetle						
Coturnicops noveboracensis ABNME	01010	None	None	G4	S1S2	SSC
yellow rail						
Danaus plexippus pop. 1 IILEPP2	2012	Candidate	None	G4T2T3	S2S3	
monarch - California overwintering population						
Dudleya multicaulis PDCRA	.040H0	None	None	G2	S2	1B.2
many-stemmed dudleya						
Elanus leucurus ABNKCo white-tailed kite	06010	None	None	G5	S3S4	FP
Empidonax traillii extimus ABPAE	33043	Endangered	Endangered	G5T2	S1	
southwestern willow flycatcher	· <del>-</del>	9 3 -	9	<del>-</del>	:	
Emys marmorata ARAAD	02030	None	None	G3G4	S3	SSC
western pond turtle						
Eryngium aristulatum var. parishii PDAPI0	Z042	Endangered	Endangered	G5T1	S1	1B.1
San Diego button-celery						



# California Department of Fish and Wildlife California Natural Diversity Database



Status         Global Rail           G4G5T4         G5T1T2           G2         G3           G2G4         G5TX           G5         G3G5T2T3           G3G4         G3G4	\$3\$4 \$1\$2 \$2 \$1\$2 \$1 \$X	SSC or FP SSC  1A SSC  1B.2
G5T1T2  G2  G3  G2G4  G5TX  G5  G3G5T2T3	\$1\$2 \$2 \$1\$2 \$1 \$X \$3 \$3	1A SSC
G2 G3 G2G4 G5TX G5 G3G5T2T3	\$2 \$1\$2 \$1 \$X \$3 \$2	SSC
G2 G3 G2G4 G5TX G5 G3G5T2T3	\$2 \$1\$2 \$1 \$X \$3 \$2	SSC
G3 G2G4 G5TX G5 G3G5T2T3	S1S2 S1 SX S3 S2	SSC
G2G4 G5TX G5 G3G5T2T3	S1 SX S3 S2	SSC
G2G4 G5TX G5 G3G5T2T3	S1 SX S3 S2	SSC
G5TX G5 G3G5T2T3	SX S3 S2	SSC
G5TX G5 G3G5T2T3	SX S3 S2	SSC
G5 G3G5T2T3	\$3 3 \$2	SSC
G5 G3G5T2T3	\$3 3 \$2	SSC
G3G5T2T3	3 S2	
G3G5T2T3	3 S2	
		1B.2
		1B.2
G3G4	S3S4	
G3G4	S3S4	
G3G4	S4	
G4G5	<b>S</b> 3	SSC
G4T2	S2	1B.1
itened G3G4T1	S1	FP
G5T2T3	S1S2	SSC
G4G5	S1S2	2B.2
itened G1	S1	1B.1
G2	S2	1B.2
G3G4T2	S2	1B.2
CF	C2	SSC
GS	33	330
CF	62	SSC
1=7	33	330
00	<b>Q</b> 1	
	31	
1	G4G5 stened G1 G2	G4G5 S1S2  Intened G1 S1  G2 S2  G3G4T2 S2  G5 S3  G5 S3



# California Department of Fish and Wildlife California Natural Diversity Database



						Rare Plant Rank/CDFW
Species	Element Code	Federal Status	State Status	Global Rank	State Rank	SSC or FP
Orcuttia californica	PMPOA4G010	Endangered	Endangered	G1	S1	1B.1
California Orcutt grass						
Pandion haliaetus	ABNKC01010	None	None	G5	S4	WL
osprey						
Panoquina errans	IILEP84030	None	None	G4G5	S2	
wandering (=saltmarsh) skipper						
Passerculus sandwichensis beldingi	ABPBX99015	None	Endangered	G5T3	S3	
Belding's savannah sparrow						
Pelecanus occidentalis californicus	ABNFC01021	Delisted	Delisted	G4T3T4	S3	FP
California brown pelican						
Pentachaeta Iyonii	PDAST6X060	Endangered	Endangered	G1	S1	1B.1
Lyon's pentachaeta						
Perognathus longimembris pacificus	AMAFD01042	Endangered	None	G5T1	S1	SSC
Pacific pocket mouse						
Phacelia stellaris	PDHYD0C510	None	None	G1	S1	1B.1
Brand's star phacelia						
Phrynosoma blainvillii	ARACF12100	None	None	G3G4	S3S4	SSC
coast horned lizard						
Polioptila californica californica	ABPBJ08081	Threatened	None	G4G5T3Q	S2	SSC
coastal California gnatcatcher						
Rallus obsoletus levipes	ABNME05014	Endangered	Endangered	G3T1T2	S1	FP
light-footed Ridgway's rail						
Riparia riparia	ABPAU08010	None	Threatened	G5	S2	
bank swallow						
Rynchops niger	ABNNM14010	None	None	G5	S2	SSC
black skimmer						
Setophaga petechia	ABPBX03010	None	None	G5	S3S4	SSC
yellow warbler						
Sidalcea neomexicana	PDMAL110J0	None	None	G4	S2	2B.2
salt spring checkerbloom						
Sorex ornatus salicornicus	AMABA01104	None	None	G5T1?	S1	SSC
southern California saltmarsh shrew						
Southern Coastal Salt Marsh	CTT52120CA	None	None	G2	S2.1	
Southern Coastal Salt Marsh						
Southern Cottonwood Willow Riparian Forest	CTT61330CA	None	None	G3	S3.2	
Southern Cottonwood Willow Riparian Forest						
Southern Dune Scrub	CTT21330CA	None	None	G1	S1.1	
Southern Dune Scrub						
Southern Foredunes	CTT21230CA	None	None	G2	S2.1	
Southern Foredunes						
Spea hammondii	AAABF02020	None	None	G2G3	S3	SSC
western spadefoot						



# California Department of Fish and Wildlife California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Sternula antillarum browni	ABNNM08103	Endangered	Endangered	G4T2T3Q	S2	FP
California least tern						
Streptocephalus woottoni	ICBRA07010	Endangered	None	G1G2	S1S2	
Riverside fairy shrimp						
Suaeda esteroa	PDCHE0P0D0	None	None	G3	S2	1B.2
estuary seablite						
Symphyotrichum defoliatum	PDASTE80C0	None	None	G2	S2	1B.2
San Bernardino aster						
Taxidea taxus	AMAJF04010	None	None	G5	S3	SSC
American badger						
Trigonoscuta dorothea dorothea	IICOL51021	None	None	G1T1	S1	
Dorothy's El Segundo Dune weevil						
Tryonia imitator	IMGASJ7040	None	None	G2	S2	
mimic tryonia (=California brackishwater snail)						
Vireo bellii pusillus least Bell's vireo	ABPBW01114	Endangered	Endangered	G5T2	S2	

**Record Count: 90** 

## **Inventory of Rare and Endangered Plants of California**



## **Search Results**

6 matches found. Click on scientific name for details

▲ SCIENTIFIC NAME	COMMON NAME	FAMILY	LIFEFORM	BLOOMING PERIOD	FED LIST	STATE LIST	GLOBAL RANK	STATE RANK	CA RARE PLANT RANK	РНОТО
<u>Astragalus</u> <u>pycnostachyus var.</u> <u>lanosissimus</u>	Ventura Marsh milk- vetch	Fabaceae	perennial herb	(Jun)Aug- Oct	FE	CE	G2T1	S1	1B.1	No Photo Available
<u>Chloropyron</u> maritimum ssp. maritimum	salt marsh bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	May- Oct(Nov)	FE	CE	G4?T1	S1	1B.2	No Photo Available
<u>Eriastrum</u> densifolium ssp. sanctorum	Santa Ana River woollystar	Polemoniaceae	perennial herb	Apr-Sep	FE	CE	G4T1	S1	1B.1	No Photo
<u>Eryngium</u> aristulatum var. parishii	San Diego button-celery	Apiaceae	annual/perennial herb	Apr-Jun	FE	CE	G5T1	S1	1B.1	No Photo
Nasturtium gambelii	Gambel's water cress	Brassicaceae	perennial rhizomatous herb	Apr-Oct	FE	СТ	G1	S1	1B.1	No Photo Available
<u>Orcuttia californica</u>	California Orcutt grass	Poaceae	annual herb	Apr-Aug	FE	CE	G1	S1	1B.1	No Photo Available

Showing 1 to 6 of 6 entries

## **Suggested Citation:**

California Native Plant Society, Rare Plant Program. 2021. Inventory of Rare and Endangered Plants of California (online edition, v9-01 1.0). Website https://www.rareplants.cnps.org [accessed 26 October 2021].

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**Table 1: Special-status Plant Species Evaluated** 

Scientific Name		Status			
Common Name	USFWS1	CDFW <sup>2</sup>	CNPS <sup>3</sup>	Habitat Description <sup>4</sup>	Potential to Occur and Rationale <sup>5</sup>
Dicots					
pink creamsacs Castilleja rubicundula var. rubicundula	_	_	1B.2	Chaparral, cismontane woodland, meadows and seeps, valley and foothill grassland. Often found in openings in chaparral or grasslands on serpentine soils.  Elevation: 20–915 m.  Blooming period: April–June	<b>Not present.</b> The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Dudleya abramsii ssp.</i> <i>setchellii</i> Santa Clara Valley dudleya	FE	_	1B.1	Valley and foothill grassland, cismontane woodland. On rocky serpentine outcrops and on rocks within grassland or woodland. Elevation: 60–455 m. Blooming period: April–October	<b>Not present.</b> The project site is entirely developed and does not contain suitable habitat to support this species.
Eryngium aristulatum var. hooveri Hoover's button-celery	_	_	1B.1	Vernal pools. Alkaline depressions, vernal pools, roadside ditches and other wet places near the coast. Elevation: 1-50 m. Blooming period: May – October	<b>Not present.</b> The project site is entirely developed and does not contain suitable habitat to support this species.
<i>Hoita strobilina</i> Loma Prieta hoita	_	_	1B.1	Chaparral, cismontane woodland, riparian woodland. Often found growing on serpentine soils, often on mesic sites. Elevation: 60 – 975 m. Blooming period: May – July	<b>Not present.</b> The project site is entirely developed and does not contain suitable habitat to support this species.
Malacothamnus arcuatus arcuate bush-mallow	_	_	1B.2	Chaparral, cismontane woodland. Often found growing on gravelly alluvium substrates. Elevation: 0–735 m. Blooming period: April–September	<b>Not present.</b> The project site is entirely developed and does not contain suitable habitat to support this species.
Streptanthus albidus ssp. Peramoenus most beautiful jewelflower	_	_	1B.2	Chaparral, valley and foothill grassland, cismontane woodland. Grows on serpentine outcrops, on ridges and slopes. Elevation: 90–1040 m. Blooming period: April–September	<b>Not present.</b> The project site is entirely developed and does not contain suitable habitat to support this species.
Trifolium hydrophilum saline clover	_	_	1B.2	Mesic, alkaline sites such as marshes and swamps, valley and foothill grassland, vernal pools. Elevation: 1 – 335 m. Blooming period: April – June	<b>Not present.</b> The project site is entirely developed and does not contain suitable habitat to support this species.

Scientific Name		Status					
Common Name	USFWS <sup>1</sup>	CDFW <sup>2</sup>	CNPS <sup>3</sup>	Habitat Description⁴	Potential to Occur and Rationale <sup>5</sup>		
Monocots							
Puccinellia simplex California alkali grass	_	_	1B.2	Meadows and seeps, chenopod scrub, valley and foothill grasslands, vernal pools. Alkaline, vernally mesic. Sinks, flats, and lake margins. Elevation: 1-915 m. Blooming period: March – May	<b>Not present.</b> The project site is entirely developed and does not contain suitable habitat to support this species.		

#### **Code Designations**

<sup>1</sup> Federal Status: 2020 USFWS Listing	<sup>2</sup> State Status: 2020 CDFW Listing	<sup>3</sup> CNPS: 2020 CNPS Listing
ESU = Evolutionary Significant Unit is a distinctive population.  FE = Listed as endangered under the FESA.  FT = Listed as threatened under the FESA.  FC = Candidate for listing (threatened or endangered) under FESA.  FD = Delisted in accordance with the FESA.  FPD = Federally Proposed to be Delisted.  MBTA = protected by the Migratory Bird Treaty Act  — Not federally listed	ST = Listed as threatened under the CESA.  SSC = Species of Special Concern as identified by the CDFW.  FP = Listed as fully protected under FGC.  CFG = FGC = protected by FGC 3503.5  CR = Rare in California.  = Not state listed	Rank 1A = Plants species that presumed extinct in California.  Rank 1B = Plant species that are rare, threatened, or endangered in California and elsewhere.  Rank 2 = Plant species that are rare, threatened, or endangered in California, but more common elsewhere.  Rank 3 = Plants about which we need more information— A Review List  Rank 4 = Plants of limited distribution—A Watch List  Blooming period: Months in parentheses are uncommon.

<sup>&</sup>lt;sup>4</sup> Habitat Description: Habitat description adapted from CNDDB and CNPS online inventory or other specified source.

#### Sources:

California Department of Fish and Wildlife (CDFW). 2021. CNDDB RareFind 5 California Natural Diversity Database Query for Special-Status Species. Website: https://map.dfg.ca.gov/rarefind/view/RareFind.aspx. Accessed August 19, 2021.

California Native Plant Society (CNPS). 2021. California Native Plant Society Rare and Endangered Plant Inventory. Website: http://www.rareplants.cnps.org/. Accessed August 19, 2021. California Department of Fish and Wildlife (CDFW). 2021. Biogeographic Information and Observation System (BIOS 5). Website: https://map.dfg.ca.gov/bios/. Accessed August 19, 2021.

<sup>&</sup>lt;sup>5</sup> **Potential to Occur and Rationale**: Location of recorded species occurrences determined by geospatial information from BIOS 5 or other specified source\*.

Table 2: Special-status Wildlife Species Evaluated

Scientific Name	Status  USFWS¹ CDFW²			
Common Name			Habitat Description <sup>3</sup>	Potential to Occur and Rationale <sup>4</sup>
Amphibians				
Ambystoma californiense California tiger salamander	FT	ST WL	Found in grassland, oak savanna, edges of mixed woodland and lower elevation coniferous forest. Nocturnal, and fossorial, spending most time underground in animal burrows, especially those of California ground squirrels, valley pocket gophers, and moles. This salamander needs both suitable upland terrestrial habitat with mammal burrows for refuge and breeding ponds in order to survive.	<b>None.</b> The project site is entirely developed and does not contain suitable breeding habitat or dispersal habitat to support this species. Princeville Channel is adjacent to the project site; however, it does not contain suitable habitat to support species.
Rana draytonii California red-legged frog	FT	_ SSC	Lowlands and foothills in or near permanent sources of deep water with dense, shrubby, or emergent riparian vegetation. Requires 11-20 weeks of permanent water for larval development. Must have access to estivation habit	<b>None.</b> The project site is entirely developed and does not contain suitable aquatic habitat to support this species. Princeville Channel is adjacent to the project site; however, it does not contain suitable habitat to support species
Birds				
Agelaius tricolor tricolored blackbird	— MBTA	ST SSC	Forages in open habitats such as farm fields, pastures, cattle pens, large lawns. Highly colonial species, most numerous in Central Valley & vicinity. Largely endemic to California. Breeds in large freshwater marshes, dense stands of hydrophytic vegetation (cattails, bulrushes, etc.)	<b>None.</b> The project parcel does contain suitable foraging habitat nor suitable freshwater marsh to support this species. Princeville Channel is adjacent to the project site; however, it does not contain suitable habitat to support species
Athene cunicularia burrowing owl	— MBTA	– SSC FGC	Found in open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. A subterranean nester, dependent upon burrowing mammals, most notably the California ground squirrel.	<b>None.</b> The project site is entirely developed and does not contain suitable breeding habitat or foraging habitat to support this species.
Elanus leucurus white-tailed kite	— MBTA	— FP	Often found near foothills and valley margins with scattered oaks & river bottomlands or marshes next to deciduous woodland or isolated dense-topped trees for nesting and perching. Forages in open grasslands, meadows, or marshes.	Low. Marginally suitable nesting trees are present on-site. However, higher quality nesting and foraging habitat is present in the greater project vicinity. Princeville Channel is adjacent to the project site; however, it does not contain suitable habitat to support species. Nearest recorded BIOS occurrences are located approximately 2.6 miles northeast of the project site.

Scientific Name	Status								
Common Name	USFWS <sup>1</sup>	CDFW <sup>2</sup>	Habitat Description <sup>3</sup>	Potential to Occur and Rationale <sup>4</sup>					
Vireo bellii pusillus least Bell's vireo	FE MBTA	SE	Summer resident of Southern California in low riparian woodland/scrub in vicinity of water or in dry river bottoms; below 2000 ft. Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, <i>Baccharis</i> , mesquite.	<b>None.</b> The project site does not contain suitable riparian habitat to support this species. Princeville Channel is adjacent to the project site; however, it does not contain suitable habitat to support species.					
Fish									
Lavinia exilicauda harengus Monterey hitch	, ,, ,		Tributaries to Monterey Bay, specifically the Salinas, Pajaro, & San Lorenzo drainages.	<b>None.</b> The project site does not contain suitable aquatic habitat to support this species. Princeville Channel is adjacent to the project site; however, it does not contain suitable habitat to support species.					
Oncorhynchus mykiss irideus (pop. 8) steelhead (central California coast DPS)	op. 8) their progeny) in streams from the Russian River to Aptos Creek, Santa Cruz County, California (inclusive). Also includes the		Santa Cruz County, California (inclusive). Also includes the	<b>None.</b> The project parcel does not contain suitable aquatic habitat to support this species. Princeville Channel is adjacent to the project site; however, it does not contain suitable habitat to support species					
Mammals									
Antrozous pallidus pallid bat	_	_ SSC	Inhabits low elevation (below 1,830 m./6,000 feet) rocky arid deserts and canyonlands, shrub-steppe grasslands, karst formations, and higher elevation coniferous forests (below 2,100 m./7,000 feet). Day and night roosts include crevices in rocky outcrops and cliffs, caves, mines, trees, and various human structures such as bridges, barns, porches, bat boxes, and human-occupied as well as vacant buildings.	<b>None.</b> The project site would not demolish the existing manmade structures or remove any trees. The project site is located approximately 50 feet from US-101 resulting in increased noise levels which further preclude this species.					
Taxidea taxus American badger	adger SSC habitats with friable soils. Requires sufficient food sources		(rodents), friable soils, and open, uncultivated ground. Digs large	<b>None.</b> The project site is entirely developed and does not contain suitable habitat to support this species.					
Reptiles									
Emys marmorata western pond turtle	_	_ SSC	Occurs in ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation. Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying.	<b>None.</b> The project site does not contain suitable aquatic habitat to support this species. Princeville Channel is adjacent to the project site; however, it does not contain suitable habitat to support species.					

Status

	Common Name	USFWS <sup>1</sup>	CDFW <sup>2</sup>	Habitat Description <sup>3</sup>		Potential to Occur and Rationale <sup>4</sup>				
Code Designations										
	<sup>1</sup> Federal Status: 2020 USFWS Listing					<sup>2</sup> State Status: 2020 CDFW Listing				
ESU	<b>ESU</b> = Evolutionary Significant Unit is a distinctive population.					SE = Listed as endangered under the CESA.				
<b>FE</b> = Listed as endangered under the FESA.					ST = Listed as threatened under the CESA.					
FT	FT = Listed as threatened under the FESA.					SSC = Species of Special Concern as identified by the CDFW.				
FC	= Candidate for listing	(threatened	or endange	ered) under FESA.	<b>FP</b> = Listed as fully protected under FGC.					
FD	= Delisted in accordan	ice with the F	ESA.		<b>CFG</b> = FGC =protected by FGC 3503.5					

**CE** = Candidate endangered under the CESA.

Not state listed

WL = Species monitored by CDFW "Watch List".

#### Sources:

**Scientific Name** 

= Federally Proposed to be Delisted.

= Not federally listed

MBTA = protected by the Migratory Bird Treaty Act

California Department of Fish and Wildlife (CDFW). 2021. CNDDB RareFind 5 California Natural Diversity Database Query for Special-Status Species. Website: https://map.dfg.ca.gov/rarefind/view/RareFind.aspx. Accessed August 19, 2021.

California Department of Fish and Wildlife (CDFW). 2021. Biogeographic Information and Observation System (BIOS 5). Website: https://map.dfg.ca.gov/bios/. Accessed August 19, 2021.

<sup>3</sup> Habitat Description: Habitat description adapted from CNDDB or other specified source\*.

<sup>4</sup> Potential to Occur and Rationale: Location of recorded species occurrences determined by geospatial information from BIOS 5 or other specified source\*.