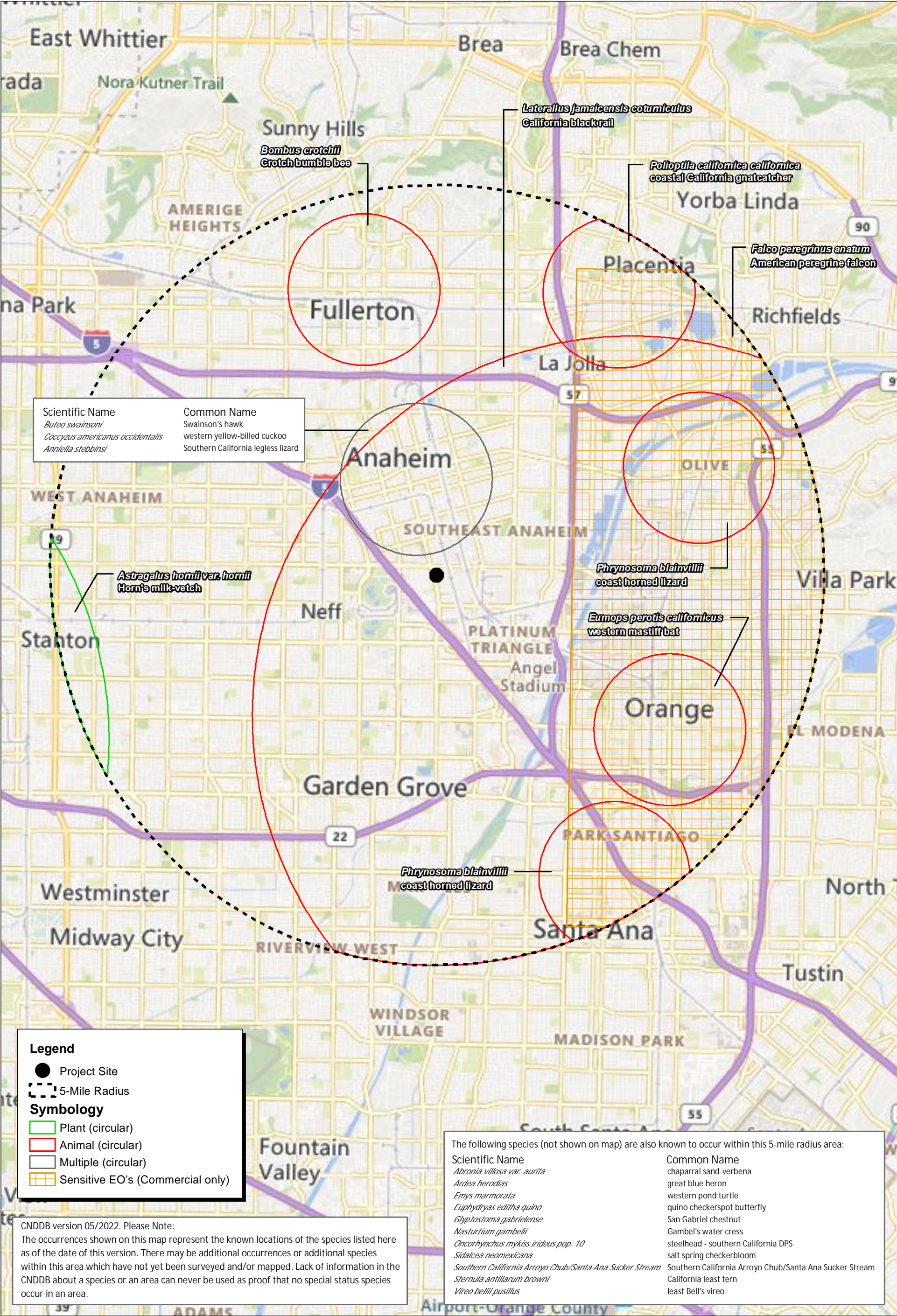


## **Appendix B: Biological Resources Supporting Information**

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Source: Bing Street Imagery. California Natural Diversity Database (CNDDDB), May 2022.



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## Table B-1: IPAC Query Results

### Endangered Species

Coastal California gnatcatcher (*Polioptila californica californica*)

Monarch butterfly (*Danaus plexippus*)

Ventura Marsh Milk-vetch (*Astragalus pycnostachyus* var. *lanosissimus*)

### Migratory Birds

Allen's Hummingbird (*Selasphorus sasin*)

Black Skimmer (*Rynchops niger*)

Black Tern (*Chlidonias niger*)

California Thrasher (*Toxostoma redivivum*)

Clark's Grebe (*Aechmophorus clarkia*)

Common Yellowthroat (*Geothlypis trichas sinuosa*)

Golden Eagle (*Aquila chrysaetos*)

Marbled Godwit (*Limosa fedoa*)

Nuttall's Woodpecker (*Picoides nuttallii*)

Oak Titmouse (*Baeolophus inornatus*)

Olive-sided Flycatcher (*Contopus cooperi*)

Short-billed Dowitcher (*Limnodromus griseus*)

Willet (*Tringa semipalmata*)

Wrentit (*Chamaea fasciata*)

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**Table B-2: CNPS Query Results, Special-Status Plants in the Project Vicinity (9-Quad)**

Scientific Name	Common Name	Family	Lifeform	CRPR	CESA	FESA	Habitat
<i>Abronia maritima</i>	red sand-verbena	Nyctaginaceae	perennial herb	4.2	None	None	Coastal dunes
<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena	Nyctaginaceae	annual herb	1B.1	None	None	Sandy soils in Chaparral, Coastal scrub, Desert dunes
<i>Aphanisma blitoides</i>	aphanisma	Chenopodiaceae	annual herb	1B.2	None	None	Gravelly (sometimes) or sandy (sometimes) soils in Coastal bluff scrub, Coastal dunes, Coastal scrub
<i>Astragalus hornii</i> var. <i>hornii</i>	Horn's milk-vetch	Fabaceae	annual herb	1B.1	None	None	Alkalinesoils, Lake Margins, Meadows and seeps, Playas
<i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i>	Ventura Marsh milk-vetch	Fabaceae	perennial herb	1B.1	CE	FE	Coastal dunes, Coastal scrub, Marshes and swamps
<i>Atriplex coulteri</i>	Coulter's saltbush	Chenopodiaceae	perennial herb	1B.2	None	None	Alkaline (sometimes) or Clay (sometimes) soils in Coastal bluff scrub, Coastal dunes, Coastal scrub, Valley and foothill grassland
<i>Atriplex pacifica</i>	south coast saltscale	Chenopodiaceae	annual herb	1B.2	None	None	Coastal bluff scrub, Coastal dunes, Coastal scrub, Playas
<i>Atriplex parishii</i>	Parish's brittlescale	Chenopodiaceae	annual herb	1B.1	None	None	Alkaline soils in Chenopod scrub, Playas, Vernal pools
<i>Atriplex serenana</i> var. <i>davidsonii</i>	Davidson's saltscale	Chenopodiaceae	annual herb	1B.2	None	None	Alkaline soils in Coastal bluff scrub, Coastal scrub
<i>Calochortus catalinae</i>	Catalina mariposa lily	Liliaceae	perennial bulbiferous herb	4.2	None	None	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland
<i>Calochortus plummerae</i>	Plummer's mariposa-lily	Liliaceae	perennial bulbiferous herb	4.2	None	None	Granitic, Rocky soils in Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland
<i>Calochortus weedii</i> var. <i>intermedius</i>	intermediate mariposa-lily	Liliaceae	perennial bulbiferous herb	1B.2	None	None	Rocky soils in Chaparral, Coastal scrub, Valley and foothill grassland
<i>Calystegia felix</i>	lucky morning-glory	Convolvulaceae	annual rhizomatous herb	1B.1	None	None	Meadows and seeps, Riparian scrub
<i>Camissoniopsis lewisii</i>	Lewis' evening-primrose	Onagraceae	annual herb	3	None	None	Clay (sometimes) or Sandy (sometimes) soils in Cismontane woodland, Coastal bluff scrub, Coastal dunes, Coastal scrub, Valley and foothill grassland
<i>Centromadia parryi</i> ssp. <i>australis</i>	southern tarplant	Asteraceae	annual herb	1B.1	None	None	Marshes and swamps, Valley and foothill grassland, Vernal pools
<i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	salt marsh bird's-beak	Orobanchaceae	annual herb (hemiparasitic)	1B.2	CE	FE	Coastal dunes, Marshes and swamps

Scientific Name	Common Name	Family	Lifeform	CRPR	CESA	FESA	Habitat
<i>Cistanthe maritima</i>	seaside cistanthe	Montiaceae	annual herb	4.2	None	None	Sandy soils in Coastal bluff scrub, Coastal scrub, Valley and foothill grassland
<i>Convolvulus simulans</i>	small-flowered morning-glory	Convolvulaceae	annual herb	4.2	None	None	Clay, Seeps, or Serpentine soils in Chaparral, Coastal scrub, Valley and foothill grassland
<i>Deinandra paniculata</i>	paniculate tarplant	Asteraceae	annual herb	4.2	None	None	Sandy (sometimes) or Vernal Mesic (usually) soils in Coastal scrub, Valley and foothill grassland, Vernal pools
<i>Dudleya multicaulis</i>	many-stemmed dudleya	Crassulaceae	perennial herb	1B.2	None	None	Usually clay soils in Chaparral, Coastal scrub, Valley and foothill grassland
<i>Eleocharis parvula</i>	small spikerush	Cyperaceae	perennial herb	4.3	None	None	Marshes and swamps
<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>	Santa Ana River woollystar	Polemoniaceae	perennial herb	1B.1	CE	FE	Gravelly (sometimes) or Sandy (sometimes) soils in Chaparral, Coastal scrub
<i>Eryngium aristulatum</i> var. <i>parishii</i>	San Diego button-celery	Apiaceae	annual/perennial herb	1B.1	CE	FE	Mesic areas in Coastal scrub, Valley and foothill grassland, Vernal pools
<i>Helianthus nuttallii</i> ssp. <i>parishii</i>	Los Angeles sunflower	Asteraceae	perennial rhizomatous herb	1A	None	None	Marshes and swamps
<i>Hordeum intercedens</i>	vernal barley	Poaceae	annual herb	3.2	None	None	Coastal dunes, Coastal scrub, Valley and foothill grassland, Vernal pools
<i>Isocoma menziesii</i> var. <i>decumbens</i>	decumbent goldenbush	Asteraceae	perennial shrub	1B.2	None	None	Chaparral, Coastal scrub
<i>Juglans californica</i>	Southern California black walnut	Juglandaceae	perennial deciduous tree	4.2	None	None	Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland
<i>Juncus acutus</i> ssp. <i>leopoldii</i>	southwestern spiny rush	Juncaceae	perennial rhizomatous herb	4.2	None	None	Coastal dunes, Marshes and swamps, Meadows and seeps
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	Asteraceae	annual herb	1B.1	None	None	Marshes and swamps, Playas, Vernal pools
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	Brassicaceae	annual herb	4.3	None	None	Chaparral, Coastal scrub
<i>Lycium californicum</i>	California box-thorn	Solanaceae	perennial shrub	4.2	None	None	Coastal bluff scrub, Coastal scrub
<i>Microseris douglasii</i> ssp. <i>platycarpa</i>	small-flowered microseris	Asteraceae	annual herb	4.2	None	None	Clay soils in Cismontane woodland, Coastal scrub, Valley and foothill grassland, Vernal pools



Scientific Name	Common Name	Family	Lifeform	CRPR	CESA	FESA	Habitat
<i>Nama stenocarpa</i>	mud nama	Namaceae	annual/perennial herb	2B.2	None	None	Marshes and swamps
<i>Nasturtium gambelii</i>	Gambel's water cress	Brassicaceae	perennial rhizomatous herb	1B.1	CT	FE	Marshes and swamps
<i>Navarretia prostrata</i>	prostrate vernal pool navarretia	Polemoniaceae	annual herb	1B.2	None	None	Coastal scrub, Meadows and seeps, Valley and foothill grassland, Vernal pools
<i>Nemacaulis denudata</i> var. <i>denudata</i>	coast woolly-heads	Polygonaceae	annual herb	1B.2	None	None	Coastal dunes
<i>Orcuttia californica</i>	California Orcutt grass	Poaceae	annual herb	1B.1	CE	FE	Vernal pools
<i>Pentachaeta aurea</i> ssp. <i>allenii</i>	Allen's pentachaeta	Asteraceae	annual herb	1B.1	None	None	Coastal scrub, Valley and foothill grassland
<i>Phacelia hubbii</i>	Hubby's phacelia	Hydrophyllaceae	annual herb	4.2	None	None	Chaparral, Coastal scrub, Valley and foothill grassland
<i>Phacelia ramosissima</i> var. <i>austrolitoralis</i>	south coast branching phacelia	Hydrophyllaceae	perennial herb	3.2	None	None	Chaparral, Coastal dunes, Coastal scrub, Marshes and swamps
<i>Phacelia stellaris</i>	Brand's star phacelia	Hydrophyllaceae	annual herb	1B.1	None	None	Coastal dunes, Coastal scrub
<i>Quercus engelmannii</i>	Engelmann oak	Fagaceae	perennial deciduous tree	4.2	None	None	Chaparral, Cismontane woodland, Riparian woodland, Valley and foothill grassland
<i>Romneya coulteri</i>	Coulter's matilija poppy	Papaveraceae	perennial rhizomatous herb	4.2	None	None	Chaparral, Coastal scrub
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	Alismataceae	perennial rhizomatous herb (emergent)	1B.2	None	None	Marshes and swamps
<i>Senecio aphanactis</i>	chaparral ragwort	Asteraceae	annual herb	2B.2	None	None	Chaparral, Cismontane woodland, Coastal scrub
<i>Sidalcea neomexicana</i>	salt spring checkerbloom	Malvaceae	perennial herb	2B.2	None	None	Chaparral, Coastal scrub, Lower montane coniferous forest, Mojavean desert scrub, Playas
<i>Suaeda esteroa</i>	estuary seablite	Chenopodiaceae	perennial herb	1B.2	None	None	Marshes and swamps
<i>Suaeda taxifolia</i>	woolly seablite	Chenopodiaceae	perennial evergreen shrub	4.2	None	None	Coastal bluff scrub, Coastal dunes, Marshes and swamps
<i>Symphytotrichum defoliatum</i>	San Bernardino aster	Asteraceae	perennial rhizomatous herb	1B.2	None	None	Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Marshes and swamps, Meadows and seeps, Valley and foothill grassland

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**Table B–3: Special–Status Plants and Wildlife Species and Sensitive Natural Communities in the Project Vicinity (9–Quad)**

Scientific Name	Common Name	Federal Status	State Status	CNPS Rank
<b>Monocots</b>				
<i>Calochortus plummerae</i>	Plummer's mariposa–lily	–	–	4.2
<i>Calochortus weedii</i> var. <i>intermedius</i>	intermediate mariposa–lily	–	–	1B.2
<i>Orcuttia californica</i>	California Orcutt grass	E	E	1B.1
<i>Sagittaria sanfordii</i>	Sanford's arrowhead	–	–	1B.2
<b>Dicots</b>				
<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand–verbena	–	–	1B.1
<i>Aphanisma blitoides</i>	aphanisma	–	–	1B.2
<i>Astragalus hornii</i> var. <i>hornii</i>	Horn's milk–vetch	–	–	1B.1
<i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i>	Ventura Marsh milk–vetch	E	E	1B.1
<i>Atriplex coulteri</i>	Coulter's saltbush	–	–	1B.2
<i>Atriplex pacifica</i>	south coast saltscale	–	–	1B.2
<i>Atriplex parishii</i>	Parish's brittlescale	–	–	1B.1
<i>Atriplex serenana</i> var. <i>davidsonii</i>	Davidson's saltscale	–	–	1B.2
<i>Calystegia felix</i>	lucky morning–glory	–	–	1B.1
<i>Centromadia parryi</i> ssp. <i>australis</i>	southern tarplant	–	–	1B.1
<i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	salt marsh bird's–beak	E	E	1B.2
<i>Dudleya multicaulis</i>	many–stemmed dudleya	–	–	1B.2
<i>Eriastrum densifolium</i> ssp. <i>sanctorum</i>	Santa Ana River woollystar	E	E	1B.1
<i>Eryngium aristulatum</i> var. <i>parishii</i>	San Diego button–celery	E	E	1B.1

Scientific Name	Common Name	Federal Status	State Status	CNPS Rank
<i>Helianthus nuttallii</i> ssp. <i>parishii</i>	Los Angeles sunflower	—	—	1A
<i>Isocoma menziesii</i> var. <i>decumbens</i>	decumbent goldenbush	—	—	1B.2
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	—	—	1B.1
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	—	—	4.3
<i>Nama stenocarpa</i>	mud nama	—	—	2B.2
<i>Nasturtium gambelii</i>	Gambel's water cress	E	T	1B.1
<i>Navarretia prostrata</i>	prostrate vernal pool navarretia	—	—	1B.2
<i>Nemacaulis denudata</i> var. <i>denudata</i>	coast woolly-heads	—	—	1B.2
<i>Pentachaeta aurea</i> ssp. <i>allenii</i>	Allen's pentachaeta	—	—	1B.1
<i>Phacelia stellaris</i>	Brand's star phacelia	—	—	1B.1
<i>Senecio aphanactis</i>	chaparral ragwort	—	—	2B.2
<i>Sidalcea neomexicana</i>	salt spring checkerbloom	—	—	2B.2
<i>Suaeda esteroa</i>	estuary seablite	—	—	1B.2
<i>Symphotrichum defoliatum</i>	San Bernardino aster	—	—	1B.2
<b>Mollusks</b>				
<i>Glyptostoma gabrielense</i>	San Gabriel chestnut	—	—	
<i>Tryonia imitator</i>	mimic tryonia (=California brackishwater snail)	—	—	
<b>Crustaceans</b>				
<i>Branchinecta sandiegonensis</i>	San Diego fairy shrimp	E	—	
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp	E	—	
<b>Insects</b>				
<i>Bombus crotchii</i>	Crotch bumble bee	—	—	



Scientific Name	Common Name	Federal Status	State Status	CNPS Rank
<i>Cicindela hirticollis grvida</i>	sandy beach tiger beetle	—	—	
<i>Cicindela latesignata</i>	western beach tiger beetle	—	—	
<i>Cicindela senilis frosti</i>	senile tiger beetle	—	—	
<i>Coelus globosus</i>	globose dune beetle	—	—	
<i>Danaus plexippus</i> pop. 1	monarch—California overwintering population	C	—	
<i>Euphydryas editha quino</i>	quino checkerspot butterfly	E	—	
<i>Habroscelimorpha gabbii</i>	western tidal—flat tiger beetle	—	—	
<i>Panoquina errans</i>	wandering (=saltmarsh) skipper	—	—	
<i>Trigonoscuta dorothea dorothea</i>	Dorothy's El Segundo Dune weevil	—	—	
<b>Fish</b>				
<i>Catostomus santaanae</i>	Santa Ana sucker	T	—	
<i>Oncorhynchus mykiss irideus</i> pop. 10	steelhead—southern California DPS	E	—	
<b>Amphibians</b>				
<i>Spea hammondi</i>	western spadefoot	—	SSC	
<i>Taricha torosa</i>	Coast Range newt	—	SSC	
<b>Reptiles</b>				
<i>Actinemys pallida</i>	southwestern pond turtle	—	SSC	
<i>Anniella stebbinsi</i>	Southern California legless lizard	—	SSC	
<i>Aspidoscelis hyperythra</i>	orange—throated whiptail	—	WL	
<i>Aspidoscelis tigris stejnegeri</i>	coastal whiptail	—	SSC	
<i>Chelonia mydas</i>	green turtle	T	—	
<i>Crotalus ruber</i>	red—diamond rattlesnake	—	SSC	

Scientific Name	Common Name	Federal Status	State Status	CNPS Rank
<i>Phrynosoma blainvillii</i>	coast horned lizard	–	SSC	
<i>Salvadora hexalepis virgultea</i>	coast patch-nosed snake	–	SSC	
<b>Birds</b>				
<i>Accipiter cooperii</i>	Cooper's hawk	–	WL	
<i>Agelaius tricolor</i>	tricolored blackbird	–	T; SSC	
<i>Aimophila ruficeps canescens</i>	southern California rufous-crowned sparrow	–	WL	
<i>Ammodramus savannarum</i>	grasshopper sparrow	–	SSC	
<i>Aquila chrysaetos</i>	golden eagle	–	FP; WL	
<i>Ardea herodias</i>	great blue heron	–	–	
<i>Asio otus</i>	long-eared owl	–	SSC	
<i>Athene cunicularia</i>	burrowing owl	–	SSC	
<i>Buteo regalis</i>	ferruginous hawk	–	WL	
<i>Buteo swainsoni</i>	Swainson's hawk	–	T	
<i>Campylorhynchus brunneicapillus sandiegensis</i>	coastal cactus wren	–	SSC	
<i>Charadrius nivosus nivosus</i>	western snowy plover	T	SSC	
<i>Coccyzus americanus occidentalis</i>	western yellow-billed cuckoo	T	E	
<i>Coturnicops noveboracensis</i>	yellow rail	–	SSC	
<i>Elanus leucurus</i>	white-tailed kite	–	FP	
<i>Eremophila alpestris actia</i>	California horned lark	–	WL	
<i>Falco peregrinus anatum</i>	American peregrine falcon	D	D; FP	
<i>Icteria virens</i>	yellow-breasted chat	–	SSC	

Scientific Name	Common Name	Federal Status	State Status	CNPS Rank
<i>Laterallus jamaicensis coturniculus</i>	California black rail	—	T; FP	
<i>Pandion haliaetus</i>	osprey	—	WL	
<i>Passerculus sandwichensis beldingi</i>	Belding's savannah sparrow	—	E	
<i>Polioptila californica californica</i>	coastal California gnatcatcher	T	SSC	
<i>Rallus obsoletus levipes</i>	light-footed Ridgway's rail	E	E; FP	
<i>Riparia riparia</i>	bank swallow	—	T	
<i>Rynchops niger</i>	black skimmer	—	SSC	
<i>Setophaga petechia</i>	yellow warbler	—	SSC	
<i>Sternula antillarum browni</i>	California least tern	E	E; FP	
<i>Vireo bellii pusillus</i>	least Bell's vireo	E	E	
<b>Mammals</b>				
<i>Choeronycteris mexicana</i>	Mexican long-tongued bat	—	SSC	
<i>Eumops perotis californicus</i>	western mastiff bat	—	SSC	
<i>Lasionycteris noctivagans</i>	silver-haired bat	—	—	
<i>Lasiurus cinereus</i>	hoary bat	—	—	
<i>Lasiurus xanthinus</i>	western yellow bat	—	SSC	
<i>Microtus californicus stephensi</i>	south coast marsh vole	—	SSC	
<i>Myotis yumanensis</i>	Yuma myotis	—	—	
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat	—	SSC	
<i>Nyctinomops macrotis</i>	big free-tailed bat	—	SSC	
<i>Perognathus longimembris pacificus</i>	Pacific pocket mouse	E	SSC	

Scientific Name	Common Name	Federal Status	State Status	CNPS Rank
<i>Sorex ornatus salicornicus</i>	southern California saltmarsh shrew	–	SSC	
<i>Taxidea taxus</i>	American badger	–	SSC	
<b>Sensitive Natural Communities</b>				
Southern Dune Scrub				
Southern Foredunes				
Southern California Arroyo Chub/Santa Ana Sucker Stream				
Southern Coastal Salt Marsh				
Southern Coast Live Oak Riparian Forest				
Southern Cottonwood Willow Riparian Forest				
Southern Sycamore Alder Riparian Woodland				
Southern Willow Scrub				
California Walnut Woodland				



**Table B-4a: Analysis of Potential for Occurrence of Special-status Plant Species**

Scientific Name Common Name	Status			Habitat Description <sup>4</sup>	Potential to Occur and Rationale <sup>5</sup>
	USFWS <sup>1</sup>	CDFW <sup>2</sup>	CNPS <sup>3</sup>		
Dicots					
<i>Abronia villosa</i> var. <i>aurita</i> chaparral sand-verbena	—	—	1B.1	Chaparral, coastal scrub, desert dunes. Grows in sandy areas. Elevation: 60 – 1570 m Blooming period: March – September	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation communities and substates to support occurrence of this species. It is not expected to occur on-site.
<i>Nasturtium gambelii</i> Gambel's water cress	FE	ST	1B.1	Brackish and freshwater marshes and swamps. Elevation: 5 – 330 m Blooming period: April – October	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation communities and substates to support occurrence of this species. It is not expected to occur on-site.
<i>Sidalcea neomexicana</i> salt spring checkerbloom	—	—	2B.2	Playas, alkali springs and marshes in chaparral, coastal scrub, lower montane coniferous forest, and Mojave desert scrub. Elevation: 0 – 1,530 m Bloom period: March – June	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation communities and substates to support occurrence of this species. It is not expected to occur on-site.
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
<b>ESU</b> = Evolutionary Significant Unit is a distinctive population. <b>FE</b> = Listed as endangered under the FESA. <b>FT</b> = Listed as threatened under the FESA. <b>FC</b> = Candidate for listing (threatened or endangered) under FESA. <b>FD</b> = Delisted in accordance with the FESA. <b>FPD</b> = Federally Proposed to be Delisted. <b>MBTA</b> = protected by the Migratory Bird Treaty Act <b>—</b> = Not federally listed				<b>SE</b> = Listed as endangered under the CESA. <b>ST</b> = Listed as threatened under the CESA. <b>SSC</b> = Species of Special Concern as identified by the CDFW. <b>FP</b> = Listed as fully protected under FGC. <b>CFG</b> = FGC =protected by FGC 3503.5 <b>CR</b> = Rare in California. <b>—</b> = Not state listed	<b>Rank 1A</b> = Plants species that presumed extinct in California. <b>Rank 1B</b> = Plant species that are rare, threatened, or endangered in California and elsewhere. <b>Rank 2</b> = Plant species that are rare, threatened, or endangered in California, but more common elsewhere. <b>Rank 3</b> = Plants about which we need more information—A Review List <b>Rank 4</b> = Plants of limited distribution—A Watch List <b>Blooming period:</b> Months in parentheses are uncommon.
<sup>4</sup> <b>Habitat Description:</b> Habitat description adapted from CNDDb and CNPS online inventory or other specified source.					
<sup>5</sup> <b>Potential to Occur and Rationale:</b> Location of recorded species occurrences determined by geospatial information from BIOS 5 or other specified source*.					

Scientific Name Common Name	Status			Habitat Description <sup>4</sup>	Potential to Occur and Rationale <sup>5</sup>
	USFWS <sup>1</sup>	CDFW <sup>2</sup>	CNPS <sup>3</sup>		
<b>Sources:</b> California Department of Fish and Wildlife (CDFW). 2022. CNDDDB RareFind 5 California Natural Diversity Database Query for Special-Status Species. Website: <a href="https://map.dfg.ca.gov/rarefind/view/RareFind.aspx">https://map.dfg.ca.gov/rarefind/view/RareFind.aspx</a> . Accessed May 3, 2022. California Native Plant Society (CNPS). 2022. California Native Plant Society Rare and Endangered Plant Inventory. Website: <a href="http://www.rareplants.cnps.org/">http://www.rareplants.cnps.org/</a> . Accessed May 3, 2022. California Department of Fish and Wildlife (CDFW). 2022. Biogeographic Information and Observation System (BIOS 5). Website: <a href="https://map.dfg.ca.gov/bios/">https://map.dfg.ca.gov/bios/</a> . Accessed May 3, 2022.					

**Table B-4b: Analysis of Potential for Occurrence of Special-status Wildlife Species**

Scientific Name Common Name	Status		Habitat Description <sup>3</sup>	Potential to Occur and Rationale <sup>4</sup>
	USFWS <sup>1</sup>	CDFW <sup>2</sup>		
Mollusks				
<i>Glyptostoma gabrielense</i> San Gabriel chestnut snail	—	—	Occurs in limited areas of the San Gabriel Mountains and Los Angeles Basin.	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation communities to support occurrence of this species. It is not expected to occur on-site.
Insects				
<i>Bombus crotchii</i> Crotch bumble bee	—	—	This species occurs primarily in California, including coastal habitats, western Mojave Desert, San Joaquin Valley, and adjacent foothills through most of southwestern California. It inhabits arid grasslands and shrublands, and its food sources including milkweeds, pincushions, lupines, clovers, phacelias, sages, clarkias, poppies, and buckwheats.	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation to support occurrence of this species. It is not expected to occur on-site.
<i>Euphydryas editha quino</i> quino checkerspot butterfly	FE	—	Found in sunny openings within chaparral & coastal sage shrublands in parts of Riverside & San Diego counties. Hills and mesas near the coast. This species needs high densities of food plants <i>Plantago erecta</i> , <i>P. insularis</i> , and <i>Orthocarpus purpureus</i> .	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation to support occurrence of this species. It is not expected to occur on-site.
Reptiles				
<i>Actinemys pallida</i> southwestern pond turtle	—	SSC	Occurs in ponds, lakes, rivers, streams, marshes, and irrigation ditches with abundant vegetation and either rocky or muddy bottoms in woodland, forest, and grassland habitats.	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation and aquatic habitats to support occurrence of this species. It is not expected to occur on-site.
<i>Anniella stebbinsi</i> southern California legless lizard	—	— SSC	Occurs south of the Transverse Range, extending to northwestern Baja California with disjunct populations in the Tehachapi and Piute Mountains in Kern County. Occurs in a variety of habitats but often sandy or loose loamy soils under sparse vegetation. They prefer soils with a high moisture content.	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation and soil substates to support occurrence of this species. It is not expected to occur on-site.

Scientific Name Common Name	Status		Habitat Description <sup>3</sup>	Potential to Occur and Rationale <sup>4</sup>
	USFWS <sup>1</sup>	CDFW <sup>2</sup>		
<i>Phrynosoma blainvillii</i> coast horned lizard	—	SSC	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Requires open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation and soil substates to support occurrence of this species. It is not expected to occur on-site.
<b>Birds</b>				
<i>Ardea herodias</i> Great blue heron (nesting colony)	— MBTA	— FGC	Nests in large groups or rookeries with other great blue herons, typically in mature riparian forests on islands or near mudflats.	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation to support occurrence of this species. It is not expected to occur on-site.
<i>Buteo swainsoni</i> Swainson's hawk (nesting)	— MBTA	ST FGC	Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees. Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation to support occurrence of this species. It is not expected to occur on-site.
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	FT MBTA	SE FGC	Found in riparian forest along the broad lower flood-bottoms of larger river systems. Nests in riparian jungles of willow, often mixed with cottonwoods; understory consists of blackberry, nettles, and wild grape.	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable riparian vegetation to support occurrence of this species. It is not expected to occur on-site.
<i>Falco peregrinus anatum</i> American peregrine falcon	FD MBTA	SD FP; FGC	Near wetlands, lakes, rivers, or other water; on cliffs, banks, dunes, mounds; also, human-made structures. Nest consists of a scrape or a depression or ledge in an open site.	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation or cliffs or tall man-made structures suitable for nesting to support occurrence of this species. It is not expected to occur on-site.
<i>Laterallus jamaicensis coturniculus</i> California black rail	— MBTA	ST FP; FGC	Inhabits freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays. Needs water depths of about 1 inch that do not fluctuate during the year and dense vegetation for nesting habitat.	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable marsh or meadow habitat to support occurrence of this species. It is not expected to occur on-site.
<i>Poliophtila californica californica</i> coastal California gnatcatcher	FT MBTA	— SSC; FGC	Obligate, permanent resident of coastal sage scrub below 2,500 ft in Southern California. Often found in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation to support occurrence of this species. It is not expected to occur on-site.

Scientific Name Common Name	Status		Habitat Description <sup>3</sup>	Potential to Occur and Rationale <sup>4</sup>
	USFWS <sup>1</sup>	CDFW <sup>2</sup>		
<i>Sternula antillarum browni</i> California least tern (nesting colony)	FE MBTA	SE FP; FGC	Nests along the coast from San Francisco Bay south to northern Baja California. A colonial breeder on bare or sparsely vegetated, flat substrates, sand beaches, alkali flats, landfills, or paved areas.	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation to support occurrence of this species. It is not expected to occur on-site.
<i>Vireo bellii pusillus</i> Least Bell’s viero	FE MBTA	SE FGC	Summer resident of Southern California in low riparian 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, Baccharis, mesquite.	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation to support occurrence of this species. It is not expected to occur on-site.
Mammals				
<i>Eumops perotis californicus</i> western mastiff bat	—	— SSC	Found in many open, semi-arid to arid habitats, including conifer & deciduous woodlands, coastal scrub, grasslands, chaparral, etc. Roosts in crevices in cliff faces, high buildings, trees and tunnels.	<b>None.</b> The project site is entirely developed, surrounded by urbanization, and does not contain suitable natural vegetation or roosting habitat in the form of high vacant buildings to support occurrence of this species. It is not expected to occur on-site.
Code Designations				
<sup>1</sup> Federal Status: 2020 USFWS Listing			<sup>2</sup> State Status: 2020 CDFW Listing	
<b>ESU</b> = Evolutionary Significant Unit is a distinctive population. <b>FE</b> = Listed as endangered under the FESA. <b>FT</b> = Listed as threatened under the FESA. <b>FC</b> = Candidate for listing (threatened or endangered) under FESA. <b>FD</b> = Delisted in accordance with the FESA. <b>FPD</b> = Federally Proposed to be Delisted. <b>MBTA</b> = protected by the Migratory Bird Treaty Act <b>—</b> = Not federally listed			<b>SE</b> = Listed as endangered under the CESA. <b>ST</b> = Listed as threatened under the CESA. <b>SSC</b> = Species of Special Concern as identified by the CDFW. <b>FP</b> = Listed as fully protected under FGC. <b>FGC</b> = protected by California Fish and Game Code Section 3503.5 <b>SC</b> = Candidate endangered under the CESA. <b>WL</b> = Species monitored by CDFW “Watch List”. <b>—</b> = Not state listed	
<sup>3</sup> <b>Habitat Description:</b> Habitat description adapted from CNDDDB or other specified source*.				
<sup>4</sup> <b>Potential to Occur and Rationale:</b> Location of recorded species occurrences determined by geospatial information from BIOS 5 or other specified source*.				
Sources: California Department of Fish and Wildlife (CDFW). 2021. CNDDDB RareFind 5 California Natural Diversity Database Query for Special-Status Species. Website: <a href="https://map.dfg.ca.gov/rarefind/view/RareFind.aspx">https://map.dfg.ca.gov/rarefind/view/RareFind.aspx</a> . Accessed May 3, 2022. California Department of Fish and Wildlife (CDFW). 2021. Biogeographic Information and Observation System (BIOS 5). Website: <a href="https://map.dfg.ca.gov/bios/">https://map.dfg.ca.gov/bios/</a> . Accessed May 3, 2022.				



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