
Appendix B:

Biological Resources Supporting Information

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Table 1: Special-status Plant Species Potentially Occurring within the Project Site

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
Dicots						
<i>Abronia maritima</i> red sand-verbena	—	—	4.2	Perennial herb found in coastal dunes. Elevation: 0–100 m Bloom period: February–November	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Aphanisma blitoides</i> aphanisma	—	—	1B.2	Annual herb found in gravelly (sometimes) and sandy (sometimes) soils in coastal bluff scrub, coastal dunes, and coastal scrub. Elevation: 1–305 m Bloom period: February–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are three recent and three historical records between five and ten miles from the project site.	No
<i>Artemisia palmeri</i> San Diego sagewort	—	—	4.2	Perennial deciduous shrub found in mesic and sandy soils in chaparral, coastal scrub, riparian forest, riparian scrub, and riparian woodland. Elevation: 5–915 m Bloom period: May–September	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Astragalus brauntonii</i> Braunton's milk-vetch	FE	—	1B.1	Perennial herb found in carbonate and sandstone soils in chaparral, coastal scrub, and valley and foothill grassland communities. Typically found in burned areas and sometimes in disturbed areas. Elevation: 4–640 m Bloom period: January–August	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one recent record between five and ten miles from the project site.	No

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
<i>Atriplex coulteri</i> Coulter's saltbush	—	—	1B.2	Perennial herb found in alkaline or clay soils (sometimes) in coastal bluff scrub, coastal dunes, coastal scrub, and valley and foothill grassland communities. Elevation: 3–460 m Bloom period: March–October	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are three historical records within five miles of the project site and there are three recent and eight historical records between five and ten miles from the project site.	No
<i>Atriplex pacifica</i> south coast saltscale	—	—	1B.2	Annual herb found in coastal bluff scrub, coastal dunes, coastal scrub, and playas. Elevation: 0–140 m Bloom period: March–October	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are two historical records within five miles of the project site and one recent and two historical records between five and ten miles from the project site.	No
<i>Atriplex parishii</i> Parish's brittlescale	—	—	1B.1	Annual herb found in alkaline soils in chenopod scrub, playas, and vernal pools. Elevation: 25–1900 m Bloom period: June–October	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record within five miles of the project site. This species may be locally extirpated.	No
<i>Atriplex serenana</i> var. <i>davidsonii</i> Davidson's saltscale	—	—	1B.2	Annual herb found in alkaline soils in coastal bluff scrub and coastal scrub. Elevation: 10–200 m Bloom period: April–October	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one record within five miles of the project site	No

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
					and three historical records between five and ten miles from the project site.	
<i>Bahiopsis laciniata</i> San Diego County viguiera	—	—	4.3	Perennial shrub found in chaparral and coastal scrub. Elevation: 60–750 m Bloom period: February–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Berberis nevinii</i> Nevin's Barberry	FE	SE	1B.1	Perennial, evergreen shrub found on steep, north-facing slopes or in low-grade sandy washes in coastal scrub, chaparral, cismontane woodland, and riparian scrub communities. Elevation: 290–1,575 m Blooming period: March–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Camissoniopsis lewisii</i> Lewis' evening-primrose	—	—	3	Annual herb found in clay and sandy soils (sometimes) in coastal bluff scrub, cismontane woodland, coastal dunes, coastal scrub, and valley and foothill grassland communities. Elevation: 0–300 m Bloom period: March–May	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Caulanthus simulans</i> Payson's jewelflower	—	—	4.2	Annual herb found in granitic and sandy soils in chaparral and coastal scrub communities. Elevation: 90–2,200 m Bloom period: March–May	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Centromadia parryi</i> ssp. <i>australis</i> southern tarplant	—	—	1B.1	Annual herb found in marshes and swamps (margins), valley and foothill grassland (vernally mesic), and vernal pools. Elevation: 0–480 m	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is	No

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
				Bloom period: May–November	one recent record within five miles of the project site and six recent and thirteen historical records between five and ten miles from the project site.	
<i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i> Orcutt's pincushion	—	—	1B.1	Annual herb found in coastal bluff scrub (sandy) and coastal dunes. Elevation: 0–100 m Bloom period: January–August	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record within five miles of the project site and one recent and two historical records between five and ten miles from the project site.	No
<i>Chloropyron maritimum</i> salt marsh bird's-beak	FE	SE	1B.2	Annual, hemiparasitic herb found in coastal dunes, marsh and swamp, salt marsh, and wetlands communities. Elevation: 0–30 m Bloom period: May–October	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one recent record between five and ten miles from the project site.	No
<i>Chorizanthe leptotheca</i> Peninsular spineflower	—	—	4.2	Annual herb found in granitic soils in chaparral, coastal scrub, and lower montane coniferous forest communities. Elevation: 300–1,900 m Bloom period: May–August	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Chorizanthe polygonoides</i> var. <i>longispina</i> long-spined spineflower	—	—	1B.2	Annual herb that occurs in valley and foothill grassland, coastal scrub, chaparral, meadows and seeps, and vernal pools. Elevation: 30–1,530 m Bloom period: April–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
<i>Cistanthe maritima</i> seaside cistanthe	—	—	4.2	Annual herb found in sandy soils in coastal bluff scrub, coastal scrub, and valley and foothill grassland. Elevation: 5–300 m Bloom period: March–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Clinopodium chandleri</i> San Miguel savory	—	—	1B.2	Perennial shrub found in chaparral, cismontane woodland, coastal scrub, riparian woodland, and valley and foothill grassland. Sometimes in gabbroic and rocky soils. Elevation: 120–1,075 m Bloom period: March–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one record between five and ten miles from the project site.	No
<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i> summer holly	—	—	1B.2	Perennial evergreen shrub found in chaparral and cismontane woodland. Elevation: 30–790 m Bloom period: April–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are one recent and five historical records between five and ten miles from the project site.	No
<i>Convolvulus simulans</i> small-flowered morning-glory	—	—	4.2	Annual herb found in clay soils, seeps, and serpentine soils in openings in chaparral, coastal scrub, and valley and foothill grassland communities. Elevation: 30–740 m Bloom period: March–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Deinandra paniculata</i> paniculate tarplant	—	—	4.2	Annual herb found in sandy soils (sometimes) and in vernal mesic soils (usually) in coastal scrub, valley and foothill grassland, vernal pool communities.	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
				Elevation: 25–940 m Bloom period: April–November		
<i>Dichondra occidentalis</i> western dichondra	CONCCP/ HCP	CONCCP/ HCP	4.2	Perennial rhizomatous herb found in chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland communities. Elevation: 50–500 m Bloom period: March–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Diplacus clevelandii</i> Cleveland's bush monkeyflower	—	—	4.2	Perennial rhizomatous herb found in chaparral, cismontane woodland, and lower montane coniferous forest. In disturbed areas, gabbroic soils, openings, and rocky areas. Elevation: 450–2,000 m Bloom period: April–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i> Blochman's dudleya	CONCCP/ HCP	CONCCP/ HCP	1B.1	Perennial herb found in clay (often), rocky, and serpentine soils in coastal bluff scrub, chaparral, coastal scrub, and valley and foothill grassland. Elevation: 5–450 m Bloom period: April–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are four historical records between five and ten miles from the project site.	No
<i>Dudleya chasmophyta</i> Santiago Canyon dudleya	—	—	1B.1	Perennial herb found in rocky soils and steep cliffs of conglomerate rock in chaparral and coastal scrub communities. Elevation: 475–515 m Bloom period: May–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No

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	USFWS ¹	CDFW ²	CNPS ³			
<i>Dudleya multicaulis</i> many-stemmed dudleya	—	—	1B.2	Perennial herb found in clay soils (usually) in chaparral, coastal scrub, and valley and foothill grassland communities. Elevation: 15–790 m Bloom period: April–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are three recent and 22 historical records within five miles of the project site and eight recent and eighteen historical records between five and ten miles from the project site.	No
<i>Dudleya stolonifera</i> Laguna Beach dudleya	FT CONCCP/ HCP	CT CONCCP/ HCP	1B.1	Perennial stoloniferous herb found in rocky soils in chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland communities. Elevation: 10–260 m Bloom period: May–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one recent record within five miles of the project site.	No
<i>Dudleya viscida</i> sticky dudleya	—	—	1B.2	Perennial herb found in rocky areas in coastal bluff scrub, chaparral, cismontane woodland, and coastal scrub. Elevation: 10–550 m Bloom period: May–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site.	No
<i>Eryngium pendletonense</i> Pendleton button-celery	—	—	1B.1	Perennial herb found in clay and vernal mesic soils in coastal bluff scrub, valley foothill grassland, and vernal pools. Elevation: 15–110 m Bloom period: April–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Erythranthe diffusa</i> Palomar monkeyflower	—	—	4.3	Annual herb found in gravelly and sandy soils (sometimes) in chaparral and lower montane coniferous forest communities.	None: The project site has been subjected to significant historical surface disturbances and	No

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	USFWS ¹	CDFW ²	CNPS ³			
				Elevation: 1,220–1,830 m Bloom period: April – June	does not contain suitable habitat(s) that would support occurrence of this species.	
<i>Euphorbia misera</i> Cliff spurge	CONCCP/ HCP	CONCCP/ HCP	2B.2	Perennial shrub found in rocky soils in coastal bluff scrub, coastal scrub, and Mojavean desert scrub. Elevation: 10–500 m Bloom period: December–August	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are two recent and two historical records between five and ten miles from the project site.	No
<i>Harpagonella palmeri</i> Palmer's grapplinghook	CONCCP/ HCP	CONCCP/ HCP	4.2	Annual herb found in clay soils and openings in chaparral, coastal scrub, and valley and foothill grassland communities. Elevation: 20–955 m	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site.	No
<i>Helianthus nuttallii</i> ssp. <i>parishii</i> Los Angeles sunflower	—	—	1A	Perennial rhizomatous herb found in marshes and swamps (freshwater, coastal salt). Elevation: 10–1525 m Bloom period: August–October	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site.	No
<i>Holocarpha virgata</i> ssp. <i>elongata</i> graceful tarplant	—	—	4.2	Annual herb found in chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland. Elevation: 60–1,100 m Bloom period: May–November	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Horkelia cuneata</i> var. <i>puberula</i> mesa horkelia	—	—	1B.1	Perennial herb found in chaparral, coastal scrub, and cismontane woodland communities.	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would	No

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
				Bloom period: February–July Elevation: 70–810 m Bloom period: March–May	support occurrence of this species. There is one historical record within five miles of the project site and one historical record between five and ten miles from the project site.	
<i>Isocoma menziesii</i> var. <i>decumbens</i> decumbent goldenbush	—	—	1B.2	Perennial shrub found in chaparral and coastal scrub (often disturbed areas, sandy). Elevation: 10–250 m Bloom period: April–November	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and one historical record between five and ten miles from the project site.	No
<i>Juglans californica</i> southern California black walnut	—	—	4.2	Perennial, deciduous tree found in chaparral, cismontane woodland, coastal scrub, and riparian woodland communities. Elevation: 50–900 m Bloom period: March–August	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i> Coulter's goldfields	—	—	1B.1	Annual herb found in marshes and swamps, playas, and vernal pools. Elevation: 1–1,220 m Bloom period: February–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are three historical records between five and ten miles from the project site.	No
<i>Lepechinia cardiophylla</i> heart-leaved pitcher sage	CONCCP/ HCP	CONCCP/ HCP	1B.2	Perennial shrub found in closed-cone coniferous forest, chaparral, and cismontane woodland communities. Elevation: 520– 1,370 m Bloom period: April–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	—	—	4.3	Annual herb found in dry soils in chaparral and coastal scrub communities.	None: The project site has been subjected to significant historical surface disturbances and	No

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	USFWS ¹	CDFW ²	CNPS ³			
Robinson's pepper-grass				Elevation: 1–855 m Bloom period: January–July	does not contain suitable habitat(s) that would support occurrence of this species. There are two recent and two historical records between five and ten miles from the project site.	
<i>Lessingia hololeuca</i> woolly-headed lessingia	—	—	3	Annual herb found in clay and serpentine soils in broadleafed upland forest, coastal scrub, lower montane coniferous forest, and valley and foothill grassland. Elevation: 15–305 m Bloom period: June–October	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Lycium brevipes</i> var. <i>hassei</i> Santa Catalina Island desert-thorn	—	—	3.1	Perennial deciduous shrub found in coastal bluff scrub and coastal scrub communities. Elevation: 65–300 m Bloom period: June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Lycium californicum</i> California box-thorn	—	—	4.2	Perennial shrub found in coastal bluff scrub and coastal scrub communities. Elevation: 5–150 m Bloom period: March–August	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Malacothrix saxatilis</i> var. <i>saxatilis</i> cliff malacothrix	—	—	4.2	Perennial rhizomatous herb found in coastal bluff scrub and coastal scrub communities. Elevation: 3–200 m Bloom period: March–September	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Microseris douglasii</i> ssp. <i>platycarpa</i> small-flowered microseris	—	—	4.2	Annual herb found in clay soils in cismontane woodland, coastal scrub, valley and foothill grassland, and vernal pool communities. Elevation: 15–1,070 m Bloom period: March–May	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No

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	USFWS ¹	CDFW ²	CNPS ³			
<i>Monardella hypoleuca</i> ssp. <i>intermedia</i> intermediate monardella	—	—	1B.3	Perennial rhizomatous herb that occurs in chaparral, cismontane woodland, and lower montane coniferous forest communities. Elevation: 400–1,250 m Bloom period: April–September	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are three recent records between five and ten miles from the project site.	No
<i>Monardella macrantha</i> ssp. <i>hallii</i> Hall's monardella	—	—	1B.3	Perennial rhizomatous herb found in broadleafed upland forest, chaparral, cismontane woodland, lower montane coniferous forest, and valley and foothill grassland. Elevation: 730–2,195 m Bloom period: June–October	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Myosurus minimus</i> ssp. <i>apus</i> little mousetail	—	—	3.1	Annual herb found in alkaline soils in valley and foothill grassland and vernal pools. Elevation: 20– 640 m Bloom period: March–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Nama stenocarpa</i> mud nama	—	—	2B.2	Annual/perennial herb found in marshes and swamps. Elevation: 5–500 m Bloom period: January–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are two historical records within five miles of the project site and three historical records between five and ten miles from the project site.	No
<i>Nasturtium gambelii</i> Gambel's water cress	FE	CT	1B.1	Perennial rhizomatous herb found in marshes and swamps (brackish, freshwater). Elevation: 5–330 m	None: The project site has been subjected to significant historical surface disturbances and	No

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	USFWS ¹	CDFW ²	CNPS ³			
				Bloom period: April–October	does not contain suitable habitat(s) that would support occurrence of this species.	
<i>Navarretia prostrata</i> prostrate vernal pool navarretia	—	—	1B.2	Annual herb found in mesic, alkaline soils in coastal scrub, meadows and seeps, valley and foothill grassland, and vernal pool communities. Elevation: 3–1,210 m Bloom period: April–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record within five miles of the project site.	No
<i>Nemacaulis denudata</i> var. <i>denudata</i> coast woolly-heads	—	—	1B.2	Annual herb found in coastal dunes. Elevation: 0–100 m Bloom period: April–September	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and one historical record within five miles of the project site and two historical records between five and ten miles from the project site.	No
<i>Pentachaeta aurea</i> ssp. <i>allenii</i> Allen's pentachaeta	—	—	1B.1	Annual herb found in openings in coastal scrub and valley and foothill grassland communities. Elevation: 75–520 m Bloom period: March–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are three historical records within five miles of the project site and three historical records between five and ten miles from the project site.	No
<i>Pentachaeta aurea</i> ssp. <i>aurea</i> golden-rayed pentachaeta	—	—	4.2	Annual herb found in chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, riparian woodland, and valley and foothill grassland communities.	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
				Elevation: 80–1,850 m Bloom period: March–July		
<i>Phacelia hubbyi</i> Hubby's phacelia	—	—	4.2	Annual herb found in gravelly, rocky, and talus soils in chaparral, coastal scrub, and valley and foothill grassland. Elevation: 0–1,000 m Bloom period: April–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Phacelia keckii</i> Santiago Peak phacelia	—	—	1B.3	Annual herb found in closed-cone coniferous forest and chaparral communities. Elevation: 545–1,600 m Bloom period: May–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Phacelia ramosissima</i> var. <i>australitoralis</i> south coast branching phacelia	—	—	3.2	Perennial herb found in rocky (sometimes) and sandy soils in chaparral, coastal dunes, coastal scrub, and marshes and swamps (coastal salt). Elevation: 5–300 m Bloom period: March–August	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Pseudognaphalium leucocephalum</i> white rabbit-tobacco	—	—	2B.2	Perennial herb found in gravelly and sandy soils in chaparral, cismontane woodland, coastal scrub, and riparian woodland communities. Elevation: 0–2,100 m Bloom period: August–November	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record within five miles of the project site and three recent and two historical records between five and ten miles from the project site.	No
<i>Quercus dumosa</i> Nuttall's scrub oak	CONCCP/ HCP	CONCCP/ HCP	1B.1	Perennial evergreen shrub found in clay, loam, and sandy soils in closed-cone	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would	No

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	USFWS ¹	CDFW ²	CNPS ³			
				coniferous forest, chaparral, and coastal scrub. Elevation: 15–400 m Bloom period: February–April	support occurrence of this species. There is one historical record within five miles of the project site and three recent and five historical records between five and ten miles from the project site.	
<i>Quercus engelmannii</i> Engelmann oak	—	—	4.2	Perennial deciduous tree found in chaparral, cismontane woodland, riparian woodland, and valley and foothill grassland communities. Elevation: 50–1,300 m Bloom period: March–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Rhinotropis cornuta</i> var. <i>fishiae</i> Fish's milkwort	—	—	4.3	Perennial deciduous shrub found in chaparral, cismontane woodland, and riparian woodland communities. Elevation: 100–1,000 m Bloom period: May–August	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Romneya coulteri</i> Coulter's matilija poppy	CONCCP/ HCP	CONCCP/ HCP	4.2	Perennial, rhizomatous herb found in chaparral and coastal scrub, often in burned areas. Elevation: 20–1,200 m Bloom period: March–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Senecio aphanactis</i> chaparral ragwort	—	—	2B.2	Annual herb found in drying alkaline flats (usually) in chaparral, cismontane woodland, and coastal scrub communities. Elevation: 15–800 m Bloom period: January–April	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are three historical records between five and ten miles from the project site.	No
<i>Sidalcea neomexicana</i> salt spring checkerbloom	—	—	2B.2	Perennial herb found in playas and in alkaline, mesic soils in chaparral, coastal	None: The project site has been subjected to significant historical surface disturbances and	No

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
				scrub, lower montane coniferous forest, and Mojavean desert scrub communities. Elevation: 15–1,500 m Bloom period: March–June	does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and one historical record between five and ten miles from the project site.	
<i>Suaeda esteroa</i> estuary seablite	—	—	1B.2	Perennial herb found in marshes and swamps (coastal salt). Elevation: 0–5 m Bloom period: July–October	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are two recent and one historical record between five and ten miles from the project site.	No
<i>Suaeda taxifolia</i> woolly seablite	—	—	4.2	Perennial evergreen shrub found in coastal bluff scrub, coastal dunes, and marshes and swamps (coastal margins). Elevation: 0–50 m Bloom period: January–December	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Symphyotrichum defoliatum</i> San Bernardino aster	—	—	1B.2	Perennial, rhizomatous herb found in banks of ditches, streams, and springs in cismontane woodlands, coastal scrub, lower montane coniferous forests, meadows and seeps, marshes and swamps, and vernal mesic valley and foothill grassland communities. Elevation: 2–2,040 m Bloom period: July–November	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are two historical records between five and ten miles from the project site.	No
<i>Verbesina dissita</i> big-leaved crownbeard	FT	CT	1B.1	Perennial herb found in chaparral (maritime) and coastal scrub communities. Elevation: 45–205 m Bloom period: April–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is	No

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
					one recent record within five miles of the project site and one recent record between five and ten miles from the project site.	
Ferns						
<i>Asplenium vespertinum</i> western spleenwort	—	—	4.2	Perennial, rhizomatous herb found in rocky areas in chaparral, cismontane woodland, and coastal scrub. Elevation: 180–1,000 m Bloom period: February–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
Gymnosperms						
<i>Hesperocyparis forbesii</i> Tecate cypress	CONCCP/ HCP	CONCCP/ HCP	1B.1	Perennial, evergreen tree found in clay and gabbroic (sometimes) soils in closed-cone coniferous forest and chaparral communities. Elevation: 80–1,500 m	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
Lycophytes						
<i>Selaginella cinerascens</i> ashy spike-moss	—	—	4.1	Perennial rhizomatous herb found in chaparral and coastal scrub communities. Elevation: 20–640 m	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
Monocots						
<i>Brodiaea filifolia</i> thread-leaved brodiaea	FT	CE	1B.1	Perennial, bulbiferous herb found in clay soils in chaparral (openings), cismontane woodland, coastal scrub, playas, valley and foothill grassland, and vernal pools. Elevation: 25–1,120 m Bloom period: March–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and one historical record within five miles of the project site and five recent	No

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
					and four historical records between five and ten miles from the project site.	
<i>Calochortus plummerae</i> Plummer's mariposa-lily	—	—	4.2	Perennial, bulbiferous herb found in granitic and rocky soils in chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, and valley and foothill grassland communities. Elevation: 100–1,700 m Bloom period: May–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Calochortus weedii</i> var. <i>intermedius</i> intermediate mariposa-lily	CONCCP/ HCP	CONCCP/ HCP	1B.2	Perennial, bulbiferous herb that occurs in calcareous soils on rocky sites in coastal scrub, chaparral, and valley and foothill grassland communities. Elevation: 105–855 m Bloom period: May–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are twelve recent and nine historical records within five miles of the project site and 36 recent and sixteen historical records between five and ten miles from the project site.	No
<i>Hordeum intercedens</i> vernal barley	—	—	3.2	Annual herb found in vernal pools and depressions and saline flats in coastal dunes, coastal scrub, and valley and foothill grassland communities. Elevation: 5–1,000 m Bloom period: March–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Imperata brevifolia</i> California satintail	—	—	2B.1	Perennial rhizomatous herb found in mesic soils in chaparral, coastal scrub, Mojavean desert scrub, meadows and seeps (often alkali), and riparian scrub. Elevation: 0–1,215 m	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There is	No

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
				Bloom period: September–May	one historical record between five and ten miles from the project site.	
<i>Juncus acutus</i> ssp. <i>leopoldii</i> southwestern spiny rush	—	—	4.2	Perennial, rhizomatous herb found in mesic soils in coastal dunes, meadows and alkaline seeps and coastal salt marshes and swamps. Elevation: 3–900 m Bloom period: May–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Lilium humboldtii</i> ssp. <i>ocellatum</i> ocellated Humboldt lily	—	—	4.2	Perennial, bulbiferous herb found in openings in chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, and riparian woodland communities. Elevation: 30–1,800 m Bloom period: March–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Nolina cismontana</i> chaparral nolina	—	—	1B.2	Perennial, evergreen shrub occurring in gabbroic soils and sandstone (sometimes) in chaparral and coastal scrub communities. Elevation: 140–1,275 m Bloom period: May–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species. There are six recent and two historical records between five and ten miles from the project site.	No
<i>Orcuttia californica</i> California Orcutt grass	FE	CE	1B.1	Annual herb found in vernal pools. Elevation: 15–660 m Bloom period: April–August	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
<i>Piperia cooperi</i> chaparral rein orchid	—	—	4.2	Perennial herb found in chaparral, cismontane woodland, and valley and foothill grassland. Elevation: 15–1,585 m Bloom period: March–June	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
<i>Piperia leptopetala</i> narrow-petaled rein orchid	—	—	4.3	Perennial herb found in cismontane woodland, lower montane coniferous forest, and upper montane coniferous forest. Elevation: 380–2,225 m Bloom period: May–July	None: The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would support occurrence of this species.	No
Code Designations						
¹ Federal Status: 2026 USFWS Listing			² State Status: 2026 CDFW Listing		³ CNPS: 2026 CNPS Listing	
FE = Listed as endangered under Federal Endangered Species Act (FESA) FT = Listed as threatened under FESA FC = Candidate for listing (threatened or endangered) under FESA FD = Delisted in accordance with FESA FPD = Federally Proposed to be Delisted — = Not federally listed			SE = Listed as endangered under California Endangered Species Act (CESA) ST = Listed as threatened under CESA SC = Candidate for listing (threatened or endangered) under CESA 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 CBR = Considered But Rejected Blooming period: Months in parentheses are uncommon.	
Notes:						
⁴ Habitat Description: Habitat description adapted from CNDDDB and CNPS online inventory or other specified source.						
⁵ Potential to Occur and Rationale: Location of recorded species occurrences determined by geospatial information from BIOS 6 or other specified source.						
Sources:						
California Department of Fish and Wildlife (CDFW). 2026. CNDDDB RareFind 5 California Natural Diversity Database Query for Special-Status Species. Website: https://map.dfg.ca.gov/rarefind/view/RareFind.aspx . Accessed April 14, 2026.						

Scientific Name Common Name	Status			Habitat Description ⁴	Potential to Occur and Rationale ⁵	Included in Impact Analysis
	USFWS ¹	CDFW ²	CNPS ³			
California Native Plant Society (CNPS). 2026. California Native Plant Society Rare and Endangered Plant Inventory. Website: http://www.rareplants.cnps.org/ . Accessed April 14, 2026.						
California Department of Fish and Wildlife (CDFW). 2026. Biogeographic Information and Observation System (BIOS 6). Website: https://map.dfg.ca.gov/bios/ . Accessed April 14, 2026.						

Table 2: Special-status Wildlife Species Potentially Occurring within the Project

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴	Included in Impact Analysis
	USFWS ¹	CDFW ²			
Insects					
<i>Bombus crotchii</i> Crotch bumble bee	—	SC	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.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and one historical record within five miles of the project site and five recent records between five and ten miles from the project site.	No
<i>Bombus pensylvanicus</i> American bumble bee	—	—	Occurs in coastal prairie, Great Basin grassland, and valley & foothill grassland communities. Nests above ground under long grass or underground.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are 14 recent and two historical records within five miles of the project site and 44 recent and six historical records between five and ten miles from the project site.	No
<i>Cicindela hirticollis gravida</i> sandy beach tiger beetle	—	—	Occurs in coastal dunes adjacent to non-brackish water along the coast of California from San Francisco Bay to northern Mexico.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site. This species is believed to be locally extirpated.	No
<i>Cicindela latesignata</i> western beach tiger beetle	—	—	Occurs in mudflats and beaches of coastal estuaries from San Diego County to Los Angeles County. Typically inhabit wet or dry sandy beaches and mud, sand, or salt flats.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are two historical records between five and ten miles from the project site.	No

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴	Included in Impact Analysis
	USFWS ¹	CDFW ²			
<i>Coelus globosus</i> globose dune beetle	—	—	Occurs in coastal sand dune habitat. Inhabits foredunes and sand hummocks; burrows beneath the sand surface and is most common beneath dune vegetation.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site.	No
<i>Danaus plexippus</i> monarch butterfly (California overwintering population)	FC	—	Occurs in temperate climates, such as eastern and western North America and undergoes long-distance migration. Lays eggs on obligate milkweed host plant (primarily <i>Asclepias</i> spp.). Roosts located in wind protected Eucalyptus, Monterey pine, and Cypress tree groves with nectar and water sources nearby	None: The project site does not contain suitable overwintering habitat or the obligate host plant that would support occurrence of this species.	No
<i>Habroscelimorpha gabbii</i> western tidal-flat tiger beetle	—	—	Occurs in estuaries and mudflats along the coast of Southern California. Generally found on dark-colored mud in the lower zone; occasionally found on dry saline flats of estuaries.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site. This species is believed to be locally extirpated.	No
Mollusks					
<i>Tryonia imitator</i> mimic tryonia (=California brackishwater snail)	—	—	Occurs in coastal lagoons, estuaries and salt marshes, from Sonoma County south to San Diego County. Found only in permanently submerged areas in a variety of sediment types; able to withstand a wide range of salinities.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site.	No
Crustaceans					
<i>Branchinecta sandiegonensis</i> San Diego fairy shrimp	FE CONCCP/ HCP	CONCCP /HCP	Small, shallow (5-30 cm deep) vernal pools with cool water (10-20°C), moderate alkalinity and conductivity, and less than 1 m deep.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and two historical	No

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴	Included in Impact Analysis
	USFWS ¹	CDFW ²			
				records between five and ten miles from the project site.	
<i>Streptocephalus woottoni</i> Riverside fairy shrimp	FE CONCCP/ HCP	CONCCP /HCP	Vernal pools on the Santa Rosa Plateau on Murrieta stony clay loams, Las Posas series, Wyman clay loam, and Willows soils.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are three recent and six historical records between five and ten miles from the project site.	No
Fish					
<i>Eucyclogobius newberryi</i> tidewater goby	FE	SSC	Occurs in shallow lagoons and lower stream reaches with fairly still but not stagnant water and high oxygen levels.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record within five miles of the project site and one historical record between five and ten miles from the project site.	No
<i>Gila orcuttii</i> arroyo chub	—	SSC	Native to the streams and rivers of the Los Angeles plain in Southern California. Arroyo chub are adapted to survive in streams that fluctuate between large winter storm flows, and low summer flows, and the low dissolved oxygen and wide temperature fluctuations. Feeds on plants such as algae and water fern, as well as insects and mollusks.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are two historical records within five miles of the project site and four historical records between five and ten miles from the project site.	No
<i>Oncorhynchus mykiss</i> <i>irideus</i> pop. 10 steelhead-southern California DPS	FE	SC	Occurs in Pacific coast streams, including the Santa Ana River.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record within five miles of the project site and one recent and one historical record between five and ten miles from the project site.	No

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴	Included in Impact Analysis
	USFWS ¹	CDFW ²			
<i>Rhinichthys gabrielino</i> Santa Ana speckled dace	—	SSC	Occurs in small springs, streams, large rivers, and deep lakes, including headwaters of the Santa Ana and San Gabriel Rivers.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are two historical records between five and ten miles from the project site.	No
Amphibians					
<i>Anaxyrus californicus</i> arroyo toad	FE CONCCP/ HCP	SSC CONCCP /HCP	Occurs in washes, arroyos, sandy riverbanks, riparian areas with willows, sycamores, oaks, cottonwoods. Requires exposed sandy streambanks with stable terraces for burrowing with scattered vegetation for shelter, and areas of quiet water or pools free of predatory fishes with sandy or gravel bottoms without silt for breeding.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site.	No
<i>Spea hammondi</i> western spadefoot	CONCCP/ HCP	SSC CONCCP /HCP	Occurs in open areas with sandy or gravelly soils in mixed woodlands, grasslands, coastal sage and Riversidean alluvial fan sage scrub, chaparral, sandy washes, lowlands, river floodplains, alluvial fans, playas, alkali flats, foothills, and mountains. Breeds in ephemeral rain pools that do not contain bullfrogs, fish, or crayfish.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are eight recent and seven historical records within five miles of the project site and seventeen recent and fifteen historical records between five and ten miles from the project site.	No
Reptiles					
<i>Actinemys pallida</i> southwestern pond turtle	—	SSC	Occurs in ponds, lakes, rivers, streams, creeks, marshes, and irrigation ditches with abundant vegetation, and either rocky or muddy bottoms, in woodland, forest, and grassland. In streams, prefers pools to shallower areas. Logs, rocks, cattail mats, and exposed banks are required for basking. May enter brackish water and even seawater.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are one recent and six historical records within five miles of the project site and one recent and eight historical records between five and ten miles from the project site.	No

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴	Included in Impact Analysis
	USFWS ¹	CDFW ²			
<i>Anniella stebbinsi</i> southern California legless lizard	—	SSC	Occurs in moist, loose soil in coastal sand dunes and a variety of interior habitats, including sandy washes and alluvial fans. Tolerant of disturbances.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record within five miles of the project site and one recent and one historical record between five and ten miles from the project site.	No
<i>Arizona elegans occidentalis</i> California glossy snake	—	SSC	Occurs in areas of rocky washes and loose, sandy soils and for burrowing in desert scrub grassland, coastal sage and Riversidean alluvial fan sage scrub, and chaparral habitats. Prefer open sandy areas with scattered brush, but also found in rocky areas.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are two historical records within five miles of the project site and one historical record between five and ten miles from the project site.	No
<i>Aspidoscelis hyperythra</i> orange-throated whiptail	CONCCP/ HCP	WL CONCCP /HCP	Occurs primarily on coarse soils in open coastal sage and Riversidean alluvial fan sage scrub habitat.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and six historical records within five miles of the project site and five recent and ten historical records between five and ten miles from the project site.	No
<i>Aspidoscelis tigris stejnegeri</i> San Diegan (coastal) whiptail	CONCCP/H CP	SSC CONCCP /HCP	Occurs in dry, open areas with sparse foliage in coastal sage and Riversidean alluvial fan sage scrub, chaparral, woodland, and riparian habitats.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record within five miles of the project site and one recent and one historical record between five and ten miles from the project site.	No
<i>Crotalus ruber</i> red-diamond rattlesnake	CONCCP/ HCP	SSC CONCCP /HCP	Occurs in arid, rocky areas in creosote scrub, coastal sage and Riversidean alluvial fan sage scrub, chaparral, oak and pine woodlands, grasslands, on cultivated areas.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are two historical records within five miles of the project site and four historical	No

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴	Included in Impact Analysis
	USFWS ¹	CDFW ²			
				records between five and ten miles from the project site.	
<i>Phrynosoma blainvillii</i> coast horned lizard	CONCCP/ HCP	SSC CONCCP /HCP	Occurs in open areas with sandy soil and low vegetation in grasslands, coniferous forests, woodlands, and chaparral.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are six historical records within five miles of the project site and one recent and twelve historical records between five and ten miles from the project site.	No
<i>Salvadora hexalepis virgulata</i> coast patch-nosed snake	—	SSC	Occurs in brushy or shrubby vegetation. Dependent on small mammal burrows.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site.	No
<i>Thamnophis hammondi</i> two-striped gartersnake	—	SSC	Occurs in or near permanent fresh water in marshes and swamps, riparian scrub, riparian woodlands, and wetlands.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and one historical record within five miles of the project site and two historical records between five and ten miles from the project site.	No
Birds					
<i>Agelaius tricolor</i> tricolored blackbird	MBTA	FT SSC FGC	Occurs and nests in large freshwater marshes with dense stands of hydrophytic vegetation (cattails, bulrushes, etc.). Short-distance migrant.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are four historical records within five miles of the project site and one recent and five historical records between five and ten miles from the project site.	No
<i>Aimophila ruficeps canescens</i>	MBTA	WL FGC	Occurs and nests on steep, often rocky hillsides with grass and forb patches in coastal sage and	None: The project site does not contain suitable habitat(s) that would support occurrence of this	No

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴	Included in Impact Analysis
	USFWS ¹	CDFW ²			
southern California rufous-crowned sparrow	CONCCP/ HCP	CONCCP /HCP	Riversidean alluvial fan sage scrub and sparse mixed chaparral habitats. Year-round resident in southern California.	species. There are fourteen historical records within five miles of the project site and four recent and six historical records between five and ten miles from the project site.	
<i>Ammodramus savannarum</i> grasshopper sparrow	MBTA	SSC	Occurs and nests in dense grasslands on rolling hills, lowland plains, in valleys and on hillsides on lower mountain slopes.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record within five miles of the project site and one historical record between five and ten miles from the project site.	No
<i>Anarhynchus nivosus</i> western snowy plover	FT MBTA	SSC	Occurs in sandy beaches, salt pond levees and shores of large alkali lakes. Needs sandy, gravelly or friable soils for nesting.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent record between five and ten miles from the project site.	No
<i>Aquila chrysaetos</i> golden eagle	BGEPA MBTA CONCCP/ HCP	FP WL CONCCP /HCP	Forages in areas of rolling foothills, mountainous areas, sage-juniper flats, and desert. Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one record between five and ten miles from the project site.	No
<i>Asio otus</i> long-eared owl	MBTA	FP FGC	Occurs and nests in conifer, oak, riparian, pinyon-juniper, and desert woodlands that are either open or are adjacent to grasslands, meadows, or shrublands.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are four historical records between five and ten miles from the project site.	No
<i>Athene cunicularia</i> burrowing owl	MBTA	SSC FGC	Occurs and nests 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. Short-distance migrant.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record within five miles of the project site and four recent and three historical records between five and ten miles from the project site.	No

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴	Included in Impact Analysis
	USFWS ¹	CDFW ²			
<i>Buteo regalis</i> ferruginous hawk	MBTA	WL	Occurs in grassland and arid shrublands with an abundance of prey species, such as pocket gophers, black-tailed jackrabbits, and desert cottontails. Will winter near cultivated fields that have an abundance of pocket gophers.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are two historical records between five and ten miles from the project site.	No
<i>Campylorhynchus brunneicapillus sandiegensis</i> coastal cactus wren	MBTA CONCCP/ HCP	SSC FGC CONCCP /HCP	Occurs and nests in coastal sage scrub. Requires tall opuntia cactus or <i>Yucca</i> trees for nesting and roosting.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are ten historical records within five miles of the project site and five recent and 32 historical records between five and ten miles from the project site.	No
<i>Circus hudsonius</i> northern harrier	MBTA CONCCP/H CP	SSC BCC CONCCP /HCP	Frequents meadows, grasslands, open rangelands, freshwater emergent wetlands; uncommon in wooded habitats.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site.	No
<i>Coturnicops noveboracensis</i> yellow rail	MBTA	SSC FGC	Occurs in shallow marshes and wet meadows. In winter, this species inhabits drier fresh-water and brackish marshes, as well as dense, deep grass, and rice fields.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site.	No
<i>Elanus leucurus</i> white-tailed kite	MBTA	FP FGC	Occurs and nests in grasslands and open coastal scrub in coastal and valley lowlands; rarely found away from agricultural areas. Inhabits herbaceous, open stages of most habitats mostly in cismontane California. Year-round resident in southern California.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are six recent records within five miles of the project site and thirteen recent and one historical records between five and ten miles from the project site.	No
<i>Empidonax traillii extimus</i> southwestern willow flycatcher	FE MBTA	SE CONCCP /HCP	Occurs and nests in dense riparian woodlands. Long-distance migrant.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and two historical	No

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴	Included in Impact Analysis
	USFWS ¹	CDFW ²			
	CONCCP/H CP			records between five and ten miles from the project site.	
<i>Eremophila alpestris actia</i> California horned lark	MBTA	WL FGC	Occurs and nests in open areas with sparse vegetation. Year-round resident in southern California.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are three historical records within five miles of the project site and two historical records between five and ten miles from the project site.	No
<i>Icteria virens</i> yellow-breasted chat	MBTA	SSC FGC	Occurs and nests in riparian thickets of willow and other bushy tangles near watercourses. Long-distance migrant.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and one historical record within five miles of the project site and three historical records between five and ten miles from the project site.	No
<i>Laterallus jamaicensis coturniculus</i> California black rail	MBTA	ST FP FGC	Occurs and nests in 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.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site.	No
<i>Pandion haliaetus</i> osprey	MBTA	WL	Occurs in ocean shore, bays, freshwater lakes, and larger streams.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent record between five and ten miles from the project site.	No
<i>Passerculus sandwichensis beldingi</i> Belding's savannah sparrow	MBTA	SE	Occurs in coastal wetlands and marshes.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent record within five miles of the project site and one historical record between five and ten miles from the project site.	No

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴	Included in Impact Analysis
	USFWS ¹	CDFW ²			
<i>Poliophtila californica californica</i> coastal California gnatcatcher	FT MBTA CONCCP/ HCP	SSC FGC CONCCP /HCP	Occurs and nests in arid washes, on mesas, and slopes in coastal sage scrub below 2,500 ft. Year-round resident in California.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are 44 recent and twelve historical records within five miles of the project site and 83 recent and 49 historical records between five and ten miles from the project site.	No
<i>Rallus obsoletus levipes</i> light-footed Ridgway's rail	FE MBTA	SE FP	Occurs in salt marshes traversed by tidal sloughs, where cordgrass and pickleweed (required for nesting or escape cover) are the dominant vegetation.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are two recent records between five and ten miles from the project site.	No
<i>Setophaga petechia</i> yellow warbler	MBTA	SSC FGC	Occurs and nests in willow shrubs and thickets, cottonwoods, sycamores, ash, and alders, predominantly in riparian habitats. Long-distance migrant.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent record within five miles of the project site and one recent record between five and ten miles from the project site.	No
<i>Sternula antillarum browni</i> California least tern	FE MBTA	SE FP	Occurs and nests on bare or sparsely vegetated, flat substrates: sand beaches, alkali flats, land fills, or paved areas.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and one historical record between five and ten miles from the project site.	No
<i>Vireo bellii pusillus</i> least Bell's vireo	FE MBTA CONCCP/ HCP	SE CONCCP /HCP	Occurs and nests in low riparian habitat in the vicinity of water or in dry river bottoms. Long-distance migrant.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are ten recent and one historical records within five miles of the project site and 22 recent and five historical records between five and ten miles from the project site.	No

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴	Included in Impact Analysis
	USFWS ¹	CDFW ²			
Mammals					
<i>Antrozous pallidus</i> pallid bat	—	SSC	Occurs in deserts, grasslands, shrublands, woodlands, and forests. Most common in open, dry habitats with rocky areas for roosting. Roosts must protect bats from high temperatures. Species is very sensitive to disturbance of roosting sites.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are two historical records between five and ten miles from the project site.	No
<i>Chaetodipus californicus femoralis</i> Dulzura pocket mouse	—	—	Occurs in coastal scrub, chaparral and grassland in San Diego County.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site.	No
<i>Chaetodipus fallax fallax</i> northwestern San Diego pocket mouse	—	SSC	Occurs in sandy, herbaceous areas, usually in association with rocks or coarse gravel, in coastal sage and Riversidean alluvial fan sage scrub, chaparral, and grasslands.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent record between five and ten miles from the project site.	No
<i>Eumops perotis californicus</i> western mastiff bat	—	SSC	Occurs in many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, chaparral. Roosts in crevices in cliff faces, high buildings, trees, and tunnels.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are four historical records within five miles of the project site and five records between five and ten miles from the project site.	No
<i>Lasiurus frantzii</i> western red bat	—	SSC	Occurs in cismontane woodland, lower montane coniferous forest, riparian forest, riparian woodland. Prefers habitat edges and mosaics with trees that are protected from above and open below with open areas for foraging.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site.	No
<i>Myotis yumanensis</i> Yuma myotis	—	—	Occurs in open forests and woodlands with sources of water over which to feed. Maternity colonies in caves, mines, buildings or crevices.	None: The project site does not contain suitable habitat(s) that would support occurrence of this	No

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴	Included in Impact Analysis
	USFWS ¹	CDFW ²			
				species. There is one historical record within five miles of the project site.	
<i>Neotoma lepida intermedia</i> San Diego desert woodrat	CONCCP/H CP	SSC CONCCP /HCP	Occurs in rock outcrops, rocky cliffs, and slopes in coastal sage and Riversidean alluvial fan sage scrub with moderate to dense canopies.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and two historical records between five and ten miles from the project site.	No
<i>Nyctinomops macrotis</i> big free-tailed bat	—	SSC	Occurs in rocky habitats in arid landscapes and has been found in a variety of plant associations, including desert shrub, woodlands, and evergreen forests. Roosts by day in crevices on cliff faces. These bats forage mostly for large moths, but may eat other insects as well.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site.	No
<i>Onychomys torridus ramona</i> southern grasshopper mouse	—	SSC	Occurs in desert areas, especially scrub habitats with friable soils for digging. Prefers low to moderate shrub cover.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent record between five and ten miles from the project site.	No
<i>Perognathus longimembris pacificus</i> Pacific pocket mouse	FE CONCCP/ HCP	SSC CONCCP /HCP	Occurs in coastal strand, coastal dunes, and coastal sage scrub growing on marine terraces. Prefers soils of fine alluvial sands near the ocean.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There are three historical records between five and ten miles from the project site.	No
<i>Sorex ornatus salicornicus</i> southern California saltmarsh shrew	—	SSC	Occurs in coastal marshes in Los Angeles, Orange and Ventura counties. Requires dense vegetation and woody debris for cover.	None: The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one historical record between five and ten miles from the project site.	No

Scientific Name Common Name	Status		Habitat Description ³	Potential to Occur and Rationale ⁴	Included in Impact Analysis
	USFWS ¹	CDFW ²			
Code Designations					
¹ Federal Status: 2026 USFWS Listing			² State Status: 2026 CDFW Listing		
ESU = Evolutionary Significant Unit is a distinctive population. FE = Listed as endangered under the Endangered Species Act. FT = Listed as threatened under the Endangered Species Act. FC = Candidate for listing (threatened or endangered) under the Endangered Species Act. FD = Delisted in accordance with the Endangered Species Act. FPD = Federally Proposed to be Delisted. BCC = Bird of Conservation Concern MBTA = protected by the Migratory Bird Treaty Act — = Not federally listed			SE = Listed as endangered under the California Endangered Species Act (CESA). ST = Listed as threatened under the CESA. SSC = Species of Special Concern as identified by CDFW. FP = Listed as fully protected under the Fish and Game Code. FGC = protected by Fish and Game Code 3503-3513 CE = Candidate endangered under CESA. WL = CDFW Watch List — = Not State listed		
Notes: ³ Habitat Description: Habitat description adapted from CNDDDB or other specified source ⁴ Potential to Occur and Rationale: Location of recorded species occurrences determined by geospatial information from BIOS 6 or other specified source. Sources: California Department of Fish and Wildlife (CDFW). 2026. Biogeographic Information and Observation System (BIOS 6). Website: https://map.dfg.ca.gov/bios/ . Accessed April 14, 2026. California Department of Fish and Wildlife (CDFW). 2026. CNDDDB RareFind 5 California Natural Diversity Database Query for Special-Status Species. Website: https://map.dfg.ca.gov/rarefind/view/RareFind.aspx . Accessed April 14, 2026. U.S. Fish and Wildlife Service (USFWS). 2026. Information for Planning and Consultation. Website: https://ecos.fws.gov/ipac/ . Accessed April 14, 2026.					

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