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Appendix B:

# **Biological Resources Supporting Information**

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

| Scientific Name<br>Common Name  | Status             |                   |                   | Habitat Description <sup>4</sup>   | Potential to Occur and Rationale <sup>5</sup>   | Included in<br>Impact<br>Analysis |
|---|--------------------|-------------------|-------------------|--|---|-----------------------------------|
|   | USFWS <sup>1</sup> | CDFW <sup>2</sup> | CNPS <sup>3</sup> |  |   |                                   |
| <b>Dicots</b>   |                    |                   |                   |  |   |                                   |
| <i>Abronia maritima</i><br>red sand-verbena   | —                  | —                 | 4.2               | Perennial herb found in coastal dunes.<br>Elevation: 0–100 m<br>Bloom period: February–November  | <b>None:</b> 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>Abronia villosa</i> var. <i>aurita</i><br>chaparral sand-verbena                     | —                  | —                 | 1B.1              | Annual herb found in sandy soils in chaparral, coastal scrub, and desert dune communities.<br>Bloom period: March–September<br>Elevation: 75–1,600 m                                 | <b>None:</b> 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 records within five miles of the project site and one historical record between five and ten miles from the project site.  | No                                |
| <i>Aphanisma blitoides</i><br>aphanisma   | —                  | —                 | 1B.2              | Annual herb found in gravelly (sometimes) and sandy (sometimes) soils in coastal bluff scrub, coastal dunes, and coastal scrub.<br>Elevation: 1–305 m<br>Bloom period: February–June | <b>None:</b> 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 two recent records between five and ten miles from the project site. | No                                |
| <i>Astragalus hornii</i> var. <i>hornii</i><br>Horn’s milk-vetch                        | —                  | —                 | 1B.1              | Annual herb found in alkaline soils and lake margins in meadows and seeps and playas.<br>Elevation: 60–850 m<br>Bloom period: May–October  | <b>None:</b> 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. This species is believed to be locally extirpated.             | No                                |
| <i>Astragalus pycnostachyus</i><br>var. <i>lanosissimus</i><br>Ventura Marsh milk-vetch | FE                 | CE                | 1B.1              | Perennial herb found in coastal dunes, coastal scrub, and marshes and swamps (edges, coastal salt, brackish).  | <b>None:</b> The project site has been subjected to significant historical surface disturbances and does not contain suitable habitat(s) that would   | No                                |

| Scientific Name<br>Common Name  | Status             |                   |                   | Habitat Description <sup>4</sup>   | Potential to Occur and Rationale <sup>5</sup>  | Included in<br>Impact<br>Analysis |
|---|--------------------|-------------------|-------------------|--|--|-----------------------------------|
|   | USFWS <sup>1</sup> | CDFW <sup>2</sup> | CNPS <sup>3</sup> |  |  |                                   |
|   |                    |                   |                   | Elevation: 1–35 m<br>Bloom period: August–October  | support occurrence of this species. There is one historical record between five and ten miles from the project site. This species may be locally extirpated.   |                                   |
| <i>Atriplex coulteri</i><br>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.<br>Elevation: 3–460 m<br>Bloom period: March–October | <b>None:</b> 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 there are two recent and three historical records between five and ten miles from the project site. | No                                |
| <i>Atriplex pacifica</i><br>south coast saltscale                           | —                  | —                 | 1B.2              | Annual herb found in coastal bluff scrub, coastal dunes, coastal scrub, and playas.<br>Elevation: 0–140 m<br>Bloom period: March–October   | <b>None:</b> 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 historical record between five and ten miles from the project site.                               | No                                |
| <i>Atriplex parishii</i><br>Parish’s brittle scale                          | —                  | —                 | 1B.1              | Annual herb found in alkaline soils in chenopod scrub, playas, and vernal pools.<br>Elevation: 25–1900 m<br>Bloom period: June–October   | <b>None:</b> 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>Atriplex serenana</i> var.<br><i> davidsonii</i><br>Davidson’s saltscale | —                  | —                 | 1B.2              | Annual herb found in alkaline soils in coastal bluff scrub and coastal scrub.<br>Elevation: 10–200 m<br>Bloom period: April–October  | <b>None:</b> 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 historical record between five and ten miles from the project site.                             | No                                |

| Scientific Name<br>Common Name  | Status             |                   |                   | Habitat Description <sup>4</sup>   | Potential to Occur and Rationale <sup>5</sup>   | Included in<br>Impact<br>Analysis |
|---|--------------------|-------------------|-------------------|--|---|-----------------------------------|
|   | USFWS <sup>1</sup> | CDFW <sup>2</sup> | CNPS <sup>3</sup> |  |   |                                   |
| <i>Calystegia felix</i><br>lucky morning-glory                                  | —                  | —                 | 1B.1              | Annual herb found in alkaline (sometimes) and loam (sometimes) soils in meadows and seeps and riparian scrub communities.<br>Elevation: 30–215 m<br>Bloom period: March–September  | <b>None:</b> 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><br>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.<br>Elevation: 0–300 m<br>Bloom period: March–May | <b>None:</b> 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.<br><i>australis</i><br>southern tarplant         | —                  | —                 | 1B.1              | Annual herb found in marshes and swamps (margins), valley and foothill grassland (vernally mesic), and vernal pools.<br>Elevation: 0–480 m<br>Bloom period: May–November   | <b>None:</b> 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 nine recent and eleven historical records within five miles of the project site and three recent and three historical records between five and ten miles from the project site. | No                                |
| <i>Chaenactis glabriuscula</i> var.<br><i>orcuttiana</i><br>Orcutt's pincushion | —                  | —                 | 1B.1              | Annual herb found in coastal bluff scrub (sandy) and coastal dunes.<br>Elevation: 0–100 m<br>Bloom period: January–August  | <b>None:</b> 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>Chloropyron maritimum</i><br>salt marsh bird's-beak                          | FE                 | SE                | 1B.2              | Annual, hemiparasitic herb found in coastal dunes, marsh and swamp, salt marsh, and wetlands communities.<br>Elevation: 0–30 m<br>Bloom period: May–October  | <b>None:</b> 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 and one historical record between five and ten miles from the project site.  | No                                |

| Scientific Name<br>Common Name  | Status             |                   |                   | Habitat Description <sup>4</sup>  | Potential to Occur and Rationale <sup>5</sup>   | Included in<br>Impact<br>Analysis |
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|   | USFWS <sup>1</sup> | CDFW <sup>2</sup> | CNPS <sup>3</sup> |   |   |                                   |
| <i>Cistanthe maritima</i><br>seaside cistanthe                                  | —                  | —                 | 4.2               | Annual herb found in sandy soils in coastal bluff scrub, coastal scrub, and valley and foothill grassland.<br>Elevation: 5–300 m<br>Bloom period: March–June  | <b>None:</b> 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>Comarostaphylis diversifolia</i><br><i>ssp. diversifolia</i><br>summer holly | —                  | —                 | 1B.2              | Perennial evergreen shrub found in chaparral and cismontane woodland.<br>Elevation: 30–790 m<br>Bloom period: April–June  | <b>None:</b> 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>Convolvulus simulans</i><br>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.<br>Elevation: 30–740 m<br>Bloom period: March–July           | <b>None:</b> 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><br>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.<br>Elevation: 25–940 m<br>Bloom period: April–November | <b>None:</b> 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>Dichondra occidentalis</i><br>western dichondra                              | CONCC<br>P/HCP     | CONCC<br>P/HCP    | 4.2               | Perennial rhizomatous herb found in chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland communities.<br>Elevation: 50–500 m<br>Bloom period: March–July                              | <b>None:</b> 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 multicaulis</i><br>many-stemmed dudleya                              | —                  | —                 | 1B.2              | Perennial herb found in clay soils (usually) in chaparral, coastal scrub, and valley and foothill grassland communities.<br>Elevation: 15–790 m<br>Bloom period: April–July                                       | <b>None:</b> 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 three historical records within five miles of the project site and three recent and | No                                |

| Scientific Name<br>Common Name  | Status               |                      |                   | Habitat Description <sup>4</sup>  | Potential to Occur and Rationale <sup>5</sup>   | Included in<br>Impact<br>Analysis |
|---|----------------------|----------------------|-------------------|---|---|-----------------------------------|
|   | USFWS <sup>1</sup>   | CDFW <sup>2</sup>    | CNPS <sup>3</sup> |   |   |                                   |
|   |                      |                      |                   |   | sixteen historical records between five and ten miles from the project site.  |                                   |
| <i>Dudleya stolonifera</i><br>Laguna Beach dudleya                                  | FT<br>CONCC<br>P/HCP | CT<br>CONCC<br>P/HCP | 1B.1              | Perennial stoloniferous herb found in rocky soils in chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland communities.<br>Elevation: 10–260 m<br>Bloom period: May–July | <b>None:</b> 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>Eriastrum densifolium</i> ssp.<br><i>sanctorum</i><br>Santa Ana River woollystar | FE                   | SE                   | 1B.1              | Perennial herb found in sandy soils on river floodplains or terraced fluvial deposits in chaparral and coastal scrub communities.<br>Elevation: 180–700 m<br>Bloom period: May–September            | <b>None:</b> 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>Eryngium aristulatum</i> var.<br><i>parishii</i><br>San Diego button-celery      | FE                   | CE                   | 1B.1              | Annual/perennial herb found in mesic soils in coastal scrub, valley and foothill grassland, and vernal pools.<br>Elevation: 20–620 m<br>Bloom period: April–June                                    | <b>None:</b> 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>Euphorbia misera</i><br>Cliff spurge   | CONCC<br>P/HCP       | CONCC<br>P/HCP       | 2B.2              | Perennial shrub found in rocky soils in coastal bluff scrub, coastal scrub, and Mojavean desert scrub.<br>Elevation: 10–500 m<br>Bloom period: December–August                                      | <b>None:</b> 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>Harpagonella palmeri</i><br>Palmer’s grappplinghook                              | CONCC<br>P/HCP       | CONCC<br>P/HCP       | 4.2               | Annual herb found in clay soils and openings in chaparral, coastal scrub, and valley and foothill grassland communities.<br>Elevation: 20–955 m   | <b>None:</b> 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>Helianthus nuttallii</i> ssp.<br><i>parishii</i>                                 | —                    | —                    | 1A                | Perennial rhizomatous herb found in marshes and swamps (freshwater, coastal salt).  | <b>None:</b> The project site has been subjected to significant historical surface disturbances and   | No                                |

| Scientific Name<br>Common Name  | Status             |                   |                   | Habitat Description <sup>4</sup>  | Potential to Occur and Rationale <sup>5</sup>  | Included in<br>Impact<br>Analysis |
|---|--------------------|-------------------|-------------------|---|--|-----------------------------------|
|   | USFWS <sup>1</sup> | CDFW <sup>2</sup> | CNPS <sup>3</sup> |   |  |                                   |
| Los Angeles sunflower   |                    |                   |                   | Elevation: 10–1525 m<br>Bloom period: August–October  | 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.   |                                   |
| <i>Horkelia cuneata</i> var.<br><i>puberula</i><br>mesa horkelia          | —                  | —                 | 1B.1              | Perennial herb found in chaparral, coastal scrub, and cismontane woodland communities.<br>Bloom period: February–July<br>Elevation: 70–810 m<br>Bloom period: March–May   | <b>None:</b> 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>Isocoma menziesii</i> var.<br><i>decumbens</i><br>decumbent goldenbush | —                  | —                 | 1B.2              | Perennial shrub found in chaparral and coastal scrub (often disturbed areas, sandy).<br>Elevation: 10–250 m<br>Bloom period: April–November                               | <b>None:</b> 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>Juglans californica</i><br>southern California black<br>walnut         | —                  | —                 | 4.2               | Perennial, deciduous tree found in chaparral, cismontane woodland, coastal scrub, and riparian woodland communities.<br>Elevation: 50–900 m<br>Bloom period: March–August | <b>None:</b> 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.<br><i>coulteri</i><br>Coulter’s goldfields | —                  | —                 | 1B.1              | Annual herb found in marshes and swamps, playas, and vernal pools.<br>Elevation: 1–1,220 m<br>Bloom period: February–June   | <b>None:</b> 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 five historical records between five and ten miles from the project site. | No                                |



| Scientific Name<br>Common Name  | Status             |                   |                   | Habitat Description <sup>4</sup>  | Potential to Occur and Rationale <sup>5</sup>   | Included in<br>Impact<br>Analysis |
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|   | USFWS <sup>1</sup> | CDFW <sup>2</sup> | CNPS <sup>3</sup> |   |   |                                   |
| <i>Lepidium virginicum</i> var.<br><i>robinsonii</i><br>Robinson's pepper-grass | —                  | —                 | 4.3               | Annual herb found in dry soils in chaparral and coastal scrub communities.<br>Elevation: 1–855 m<br>Bloom period: January–July                | <b>None:</b> 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>Lycium californicum</i><br>California box-thorn                              | —                  | —                 | 4.2               | Perennial shrub found in coastal bluff scrub and coastal scrub communities.<br>Elevation: 5–150 m<br>Bloom period: March–August               | <b>None:</b> 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.<br><i>saxatilis</i><br>cliff malacothrix      | —                  | —                 | 4.2               | Perennial rhizomatous herb found in coastal bluff scrub and coastal scrub communities.<br>Elevation: 3–200 m<br>Bloom period: March–September | <b>None:</b> 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><br>mud nama  | —                  | —                 | 2B.2              | Annual/perennial herb found in marshes and swamps.<br>Elevation: 5–500 m<br>Bloom period: January–July  | <b>None:</b> 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 two historical records between five and ten miles from the project site.   | No                                |
| <i>Nasturtium gambelii</i><br>Gambel's water cress                              | FE                 | CT                | 1B.1              | Perennial rhizomatous herb found in marshes and swamps (brackish, freshwater).<br>Elevation: 5–330 m<br>Bloom period: April–October           | <b>None:</b> 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 historical record between five and ten miles from the project site. This species is believed to be locally extirpated. | No                                |

| Scientific Name<br>Common Name  | Status             |                   |                   | Habitat Description <sup>4</sup>   | Potential to Occur and Rationale <sup>5</sup>  | Included in<br>Impact<br>Analysis |
|---|--------------------|-------------------|-------------------|--|--|-----------------------------------|
|   | USFWS <sup>1</sup> | CDFW <sup>2</sup> | CNPS <sup>3</sup> |  |  |                                   |
| <i>Navarretia prostrata</i><br>prostrate vernal pool<br>navarretia                              | —                  | —                 | 1B.2              | Annual herb found in mesic, alkaline soils in coastal scrub, meadows and seeps, valley and foothill grassland, and vernal pool communities.<br>Elevation: 3–1,210 m<br>Bloom period: April–July  | <b>None:</b> 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>Nemacaulis denudata</i> var.<br><i>denudata</i><br>coast woolly-heads                        | —                  | —                 | 1B.2              | Annual herb found in coastal dunes.<br>Elevation: 0–100 m<br>Bloom period: April–September   | <b>None:</b> 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 three recent and one historical record between five and ten miles from the project site. | No                                |
| <i>Pentachaeta aurea</i> ssp.<br><i>allenii</i><br>Allen’s pentachaeta                          | —                  | —                 | 1B.1              | Annual herb found in openings in coastal scrub and valley and foothill grassland communities.<br>Elevation: 75–520 m<br>Bloom period: March–June   | <b>None:</b> 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>Phacelia ramosissima</i> var.<br><i>austrolitoralis</i><br>south coast branching<br>phacelia | —                  | —                 | 3.2               | Perennial herb found in rocky (sometimes) and sandy soils in chaparral, coastal dunes, coastal scrub, and marshes and swamps (coastal salt).<br>Elevation: 5–300 m<br>Bloom period: March–August | <b>None:</b> 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 stellaris</i><br>Brand’s star phacelia  | —                  | —                 | 1B.1              | Annual herb found in coastal dunes and coastal scrub communities.<br>Elevation: 1–400 m<br>Bloom period: March–June  | <b>None:</b> 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                                |

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|   | USFWS <sup>1</sup> | CDFW <sup>2</sup> | CNPS <sup>3</sup> |   |   |                                   |
| <i>Quercus dumosa</i><br>Nuttall's scrub oak            | CONCC<br>P/HCP     | CONCC<br>P/HCP    | 1B.1              | Perennial evergreen shrub found in clay, loam, and sandy soils in closed-cone coniferous forest, chaparral, and coastal scrub.<br>Elevation: 15–400 m<br>Bloom period: February–April                                 | <b>None:</b> 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 three historical records between five and ten miles from the project site.  | No                                |
| <i>Senecio aphanactis</i><br>chaparral ragwort          | —                  | —                 | 2B.2              | Annual herb found in drying alkaline flats (usually) in chaparral, cismontane woodland, and coastal scrub communities.<br>Elevation: 15–800 m<br>Bloom period: January–April  | <b>None:</b> 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>Sidalcea neomexicana</i><br>salt spring checkerbloom | —                  | —                 | 2B.2              | Perennial herb found in playas and in alkaline, mesic soils in chaparral, coastal scrub, lower montane coniferous forest, and Mojavean desert scrub communities.<br>Elevation: 15–1,500 m<br>Bloom period: March–June | <b>None:</b> 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>Suaeda esteroa</i><br>estuary seablite               | —                  | —                 | 1B.2              | Perennial herb found in marshes and swamps (coastal salt).<br>Elevation: 0–5 m<br>Bloom period: July–October  | <b>None:</b> 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 recent and one historical records within five miles of the project site and three recent and one historical record between five and ten miles from the project site. | No                                |
| <i>Suaeda taxifolia</i><br>woolly seablite              | —                  | —                 | 4.2               | Perennial evergreen shrub found in coastal bluff scrub, coastal dunes, and marshes and swamps (coastal margins).<br>Elevation: 0–50 m<br>Bloom period: January–December   | <b>None:</b> 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<br>Common Name   | Status             |                   |                   | Habitat Description <sup>4</sup>  | Potential to Occur and Rationale <sup>5</sup>  | Included in<br>Impact<br>Analysis |
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|  | USFWS <sup>1</sup> | CDFW <sup>2</sup> | CNPS <sup>3</sup> |   |  |                                   |
| <i>Symphotrichum defoliatum</i><br>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.<br>Elevation: 2–2,040 m<br>Bloom period: July–November | <b>None:</b> 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 one historical record between five and ten miles from the project site. | No                                |
| <i>Verbesina dissita</i><br>big-leaved crownbeard                                  | FT                 | CT                | 1B.1              | Perennial herb found in chaparral (maritime) and coastal scrub communities.<br>Elevation: 45–205 m<br>Bloom period: April–July  | <b>None:</b> 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                                |
| <b>Lycophytes</b>  |                    |                   |                   |   |  |                                   |
| <i>Selaginella cinerascens</i><br>ashy spike-moss                                  | —                  | —                 | 4.1               | Perennial rhizomatous herb found in chaparral and coastal scrub communities.<br>Elevation: 20–640 m   | <b>None:</b> 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                                |
| <b>Monocots</b>  |                    |                   |                   |   |  |                                   |
| <i>Calochortus catalinae</i><br>Catalina mariposa lily                             | CONCC<br>P/HCP     | CONCC<br>P/HCP    | 4.2               | Perennial, bulbiferous herb found in chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland communities.<br>Elevation: 15–700 m<br>Bloom period: March–June   | <b>None:</b> 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.<br><i>intermedius</i><br>intermediate mariposa-lily | CONCC<br>P/HCP     | CONCC<br>P/HCP    | 1B.2              | Perennial, bulbiferous herb that occurs in calcareous soils on rocky sites in coastal scrub, chaparral, and valley and foothill grassland communities.<br>Elevation: 105–855 m<br>Bloom period: May–July  | <b>None:</b> 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 ten recent and five historical records between five and ten miles from the project site.   | No                                |
| <i>Eleocharis parvula</i><br>small spikerush                                       | —                  | —                 | 4.3               | Perennial herb found in marshes and swamps.<br>Elevation: 1–3020 m  | <b>None:</b> The project site has been subjected to significant historical surface disturbances and  | No                                |

| Scientific Name<br>Common Name  | Status             |                   |                   | Habitat Description <sup>4</sup>   | Potential to Occur and Rationale <sup>5</sup>   | Included in<br>Impact<br>Analysis |
|---|--------------------|-------------------|-------------------|--|---|-----------------------------------|
|   | USFWS <sup>1</sup> | CDFW <sup>2</sup> | CNPS <sup>3</sup> |  |   |                                   |
|   |                    |                   |                   | Bloom period: June–August  | does not contain suitable habitat(s) that would support occurrence of this species.   |                                   |
| <i>Hordeum intercedens</i><br>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.<br>Elevation: 5–1,000 m<br>Bloom period: March–June                   | <b>None:</b> 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>Juncus acutus</i> ssp. <i>leopoldii</i><br>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.<br>Elevation: 3–900 m<br>Bloom period: May–June                                       | <b>None:</b> 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><br>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.<br>Elevation: 30–1,800 m<br>Bloom period: March–July | <b>None:</b> 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><br>chaparral nolina                              | —                  | —                 | 1B.2              | Perennial, evergreen shrub occurring in gabbroic soils and sandstone (sometimes) in chaparral and coastal scrub communities.<br>Elevation: 140–1,275 m<br>Bloom period: May–July   | <b>None:</b> 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>Orcuttia californica</i><br>California Orcutt grass                    | FE                 | CE                | 1B.1              | Annual herb found in vernal pools.<br>Elevation: 15–660 m<br>Bloom period: April–August  | <b>None:</b> 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                                |

| Scientific Name<br>Common Name   | Status             |                   |  | Habitat Description <sup>4</sup>   | Potential to Occur and Rationale <sup>5</sup>   | Included in<br>Impact<br>Analysis |
|--|--------------------|-------------------|--|--|---|-----------------------------------|
|  | USFWS <sup>1</sup> | CDFW <sup>2</sup> | CNPS <sup>3</sup>  |  |   |                                   |
| <i>Sagittaria sanfordii</i><br>Sanford's arrowhead   | —                  | —                 | 1B.2   | Perennial rhizomatous herb (emergent) found in marshes and swamps (shallow freshwater).<br>Elevation: 0–650 m<br>Bloom period: May–October | <b>None:</b> 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                                |
| <b>Code Designations</b>   |                    |                   |  |  |   |                                   |
| <b><sup>1</sup> Federal Status: 2020 USFWS Listing</b>   |                    |                   | <b><sup>2</sup> State Status: 2020 CDFW Listing</b>  |  | <b><sup>3</sup> CNPS: 2020 CNPS Listing</b>   |                                   |
| <b>FE</b> = Listed as endangered under Federal Endangered Species Act (FESA)<br><b>FT</b> = Listed as threatened under FESA<br><b>FC</b> = Candidate for listing (threatened or endangered) under FESA<br><b>FD</b> = Delisted in accordance with FESA<br><b>FPD</b> = Federally Proposed to be Delisted<br><b>—</b> = Not federally listed  |                    |                   | <b>SE</b> = Listed as endangered under California Endangered Species Act (CESA)<br><b>ST</b> = Listed as threatened under CESA<br><b>SC</b> = Candidate for listing (threatened or endangered) under CESA<br><b>CR</b> = Rare in California<br><b>—</b> = Not State listed |  | <b>Rank 1A</b> = Plants species that presumed extinct in California.<br><b>Rank 1B</b> = Plant species that are rare, threatened, or endangered in California and elsewhere.<br><b>Rank 2</b> = Plant species that are rare, threatened, or endangered in California, but more common elsewhere.<br><b>Rank 3</b> = Plants about which we need more information—A Review List<br><b>Rank 4</b> = Plants of limited distribution—A Watch List<br><b>CBR</b> = Considered But Rejected<br><b>Blooming period:</b> Months in parentheses are uncommon. |                                   |
| Notes:<br><sup>4</sup> <b>Habitat Description:</b> Habitat description adapted from CNDDDB and CNPS online inventory or other specified source.<br><sup>5</sup> <b>Potential to Occur and Rationale:</b> Location of recorded species occurrences determined by geospatial information from BIOS 6 or other specified source.<br>Sources:<br>California Department of Fish and Wildlife (CDFW). 2024. 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 September 13, 2024.<br>California Native Plant Society (CNPS). 2024. California Native Plant Society Rare and Endangered Plant Inventory. Website: <a href="http://www.rareplants.cnps.org/">http://www.rareplants.cnps.org/</a> . Accessed September 13, 2024.<br>California Department of Fish and Wildlife (CDFW). 2024. Biogeographic Information and Observation System (BIOS 6). Website: <a href="https://map.dfg.ca.gov/bios/">https://map.dfg.ca.gov/bios/</a> . Accessed September 13, 2024. |                    |                   |  |  |   |                                   |

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

| Scientific Name<br>Common Name                                   | Status             |                   | Habitat Description <sup>3</sup>  | Potential to Occur and Rationale <sup>4</sup>  | Included in<br>Impact Analysis |
|--|--------------------|-------------------|---|--|--------------------------------|
|  | USFWS <sup>1</sup> | CDFW <sup>2</sup> |   |  |                                |
| <b>Insects</b>   |                    |                   |   |  |                                |
| <i>Bombus crotchii</i><br>Crotch bumble bee                      | —                  | SC                | Occurs in grassland and scrubland habitats. Nests in abandoned rodent burrows.  | <b>None:</b> 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 two recent records between five and ten miles from the project site.                                | No                             |
| <i>Bombus pensylvanicus</i><br>American bumble bee               | —                  | —                 | Occurs in coastal prairie, Great Basin grassland, and valley & foothill grassland communities. Nests above ground under long grass or underground.                        | <b>None:</b> The project site does not contain suitable habitat(s) that would support occurrence of this species. There are 21 recent and two historical records within five miles of the project site and 21 recent and one historical record between five and ten miles from the project site. | No                             |
| <i>Cicindela hirticollis gravida</i><br>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.   | <b>None:</b> 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><br>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. | <b>None:</b> 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 two historical records between five and ten miles from the project site.               | No                             |
| <i>Coelus globosus</i><br>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.                   | <b>None:</b> 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                             |

| Scientific Name<br>Common Name  | Status             |                   | Habitat Description <sup>3</sup>   | Potential to Occur and Rationale <sup>4</sup>  | Included in<br>Impact Analysis |
|---|--------------------|-------------------|--|--|--------------------------------|
|   | USFWS <sup>1</sup> | CDFW <sup>2</sup> |  |  |                                |
| <i>Danaus plexippus</i><br>monarch butterfly  | 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.)                                   | <b>Low:</b> The project site contains marginally suitable habitat(s) that would support occurrence of this species. There is one recent record within five miles of the project site and four recent and one historical record between five and ten miles from the project site. | No                             |
| <i>Habroscelimorpha gabbii</i><br>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.   | <b>None:</b> 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>Panoquina errans</i><br>wandering (=saltmarsh) skipper                           | —                  | —                 | Occurs in coastal salt marshes. Requires moist saltgrass for larval development.   | <b>None:</b> The project site does not contain suitable habitat(s) that would support occurrence of this species. There are two recent and three historical records between five and ten miles from the project site.  | No                             |
| <i>Trigonoscuta dorothea</i><br><i>dorothea</i><br>Dorothy's El Segundo Dune weevil | —                  | —                 | Occurs in coastal sand dunes in Los Angeles County.  | <b>None:</b> 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                             |
| <b>Mollusks</b>   |                    |                   |  |  |                                |
| <i>Glyptostoma gabrielense</i><br>San Gabriel chestnut                              | —                  | —                 | Occurs in humid spots in semiarid areas in rocky hills and mountains at relatively low elevations. Range restricted to the San Gabriel Mountains and foothills near Los Angeles.   | <b>None:</b> 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>Tryonia imitator</i><br>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. | <b>None:</b> 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  | No                             |



| Scientific Name<br>Common Name   | Status               |                       | Habitat Description <sup>3</sup>  | Potential to Occur and Rationale <sup>4</sup>   | Included in<br>Impact Analysis |
|--|----------------------|-----------------------|---|---|--------------------------------|
|  | USFWS <sup>1</sup>   | CDFW <sup>2</sup>     |   |   |                                |
|  |                      |                       |   | record between five and ten miles from the project site.  |                                |
| <b>Crustaceans</b>   |                      |                       |   |   |                                |
| <i>Branchinecta sandiegonensis</i><br>San Diego fairy shrimp                         | FE<br>CONCCP/<br>HCP | CONCCP/<br>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.   | <b>None:</b> The project site does not contain suitable habitat(s) that would support occurrence of this species. There are two recent records within five miles of the project site.   | No                             |
| <i>Streptocephalus woottoni</i><br>Riverside fairy shrimp                            | FE<br>CONCCP/<br>HCP | CONCCP/<br>HCP        | Vernal pools on the Santa Rosa Plateau on Murrieta stony clay loams, Las Posas series, Wyman clay loam, and Willows soils.  | <b>None:</b> 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.   | No                             |
| <b>Fish</b>  |                      |                       |   |   |                                |
| <i>Oncorhynchus mykiss irideus</i> pop. 10<br>steelhead - southern<br>California DPS | FE                   | SC                    | Occurs in Pacific coast streams, including the Santa Ana River.   | <b>None:</b> 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. This species may be locally extirpated. | No                             |
| <b>Amphibians</b>  |                      |                       |   |   |                                |
| <i>Spea hammondi</i><br>western spadefoot  | CONCCP/<br>HCP       | SSC<br>CONCCP/<br>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. | <b>None:</b> The project site does not contain suitable habitat(s) that would support occurrence of this species. There are five recent and six historical records between five and ten miles from the project site.            | No                             |
| <i>Taricha torosa</i><br>Coast Range newt  | —                    | SSC                   | Occurs in terrestrial habitats and breeds in ponds. Individuals will migrate over 1 km to breed in ponds, reservoirs and slow moving  | <b>None:</b> The project site does not contain suitable habitat(s) that would support occurrence of this species. There are two historical records  | No                             |

| Scientific Name<br>Common Name                                  | Status             |                       | Habitat Description <sup>3</sup>   | Potential to Occur and Rationale <sup>4</sup>   | Included in<br>Impact Analysis |
|---|--------------------|-----------------------|--|---|--------------------------------|
|   | USFWS <sup>1</sup> | CDFW <sup>2</sup>     |  |   |                                |
|   |                    |                       | streams. Occurs in coastal drainages from Mendocino County to San Diego County.  | between five and ten miles from the project site.   |                                |
| <b>Reptiles</b>   |                    |                       |  |   |                                |
| <i>Actinemys pallida</i><br>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. | <b>None:</b> 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 two historical records between five and ten miles from the project site. | No                             |
| <i>Anniella stebbinsi</i><br>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.  | <b>None:</b> The project site 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>Aspidoscelis hyperythra</i><br>orange-throated whiptail      | CONCCP/<br>HCP     | WL<br>CONCCP/<br>HCP  | Occurs primarily on coarse soils in open coastal sage and Riversidean alluvial fan sage scrub habitat.   | <b>None:</b> The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and nine historical records between five and ten miles from the project site.   | No                             |
| <i>Crotalus ruber</i><br>red-diamond rattlesnake                | CONCCP/<br>HCP     | SSC<br>CONCCP/<br>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.   | <b>None:</b> 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>Phrynosoma blainvillii</i><br>coast horned lizard            | CONCCP/<br>HCP     | SSC<br>CONCCP/<br>HCP | Occurs in open areas with sandy soil and low vegetation in grasslands, coniferous forests, woodlands, and chaparral.   | <b>None:</b> 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 five historical  | No                             |

| Scientific Name<br>Common Name  | Status                 |                             | Habitat Description <sup>3</sup>   | Potential to Occur and Rationale <sup>4</sup>   | Included in<br>Impact Analysis |
|---|------------------------|-----------------------------|--|---|--------------------------------|
|   | USFWS <sup>1</sup>     | CDFW <sup>2</sup>           |  |   |                                |
|   |                        |                             |  | records between five and ten miles from the project site.   |                                |
| <b>Birds</b>  |                        |                             |  |   |                                |
| <i>Accipiter cooperii</i><br>Cooper’s hawk  | MBTA                   | WL<br>FGC                   | Occurs and nests in deciduous and mixed forests and open woodland habitats. Year-round resident in southern California, and tolerant of urban areas with an abundance of trees.  | <b>Low:</b> Marginally suitable foraging and nesting habitat for this species is present in the trees on and adjacent to the project site. There is one recent and one historical record between five and ten miles from the project site.  | No                             |
| <i>Agelaius tricolor</i><br>tricolored blackbird                                  | MBTA                   | FT<br>SSC<br>FGC            | Occurs and nests in large freshwater marshes with dense stands of hydrophytic vegetation (cattails, bulrushes, etc.). Short-distance migrant.  | <b>None:</b> The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and five historical records between five and ten miles from the project site.   | No                             |
| <i>Aimophila ruficeps canescens</i><br>southern California rufous-crowned sparrow | MBTA<br>CONCCP/<br>HCP | WL<br>FGC<br>CONCCP/<br>HCP | Occurs and nests on steep, often rocky hillsides with grass and forb patches in coastal sage and Riversidean alluvial fan sage scrub and sparse mixed chaparral habitats. Year-round resident in southern California.  | <b>None:</b> The project site does not contain suitable habitat(s) that would support occurrence of this species. There are eight historical records between five and ten miles from the project site.  | No                             |
| <i>Ammodramus savannarum</i><br>grasshopper sparrow                               | MBTA                   | SSC                         | Occurs and nests in dense grasslands on rolling hills, lowland plains, in valleys and on hillsides on lower mountain slopes.   | <b>None:</b> 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>Athene cucularia</i><br>burrowing owl  | MBTA                   | SSC<br>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. | <b>None:</b> The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and three historical records 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<br>Common Name   | Status                 |                              | Habitat Description <sup>3</sup>  | Potential to Occur and Rationale <sup>4</sup>  | Included in<br>Impact Analysis |
|--|------------------------|------------------------------|---|--|--------------------------------|
|  | USFWS <sup>1</sup>     | CDFW <sup>2</sup>            |   |  |                                |
| <i>Buteo swainsoni</i><br>Swainson's hawk                                  | MBTA                   | FT<br>FGC                    | Occurs and nests 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. Long-distance migrant. | <b>None:</b> 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 may be locally extirpated.   | No                             |
| <i>Campylorhynchus brunneicapillus sandiegensis</i><br>coastal cactus wren | MBTA<br>CONCCP/<br>HCP | SSC<br>FGC<br>CONCCP/<br>HCP | Occurs and nests in coastal sage scrub. Requires tall opuntia cactus or <i>Yucca</i> trees for nesting and roosting.  | <b>None:</b> The project site does not contain suitable habitat(s) that would support occurrence of this species. There are two recent and one historical records within five miles of the project site and fourteen historical records between five and ten miles from the project site.                  | No                             |
| <i>Charadrius nivosus nivosus</i><br>western snowy plover                  | FT<br>MBTA             | SSC                          | Occurs in sandy beaches, salt pond levees and shores of large alkali lakes. Needs sandy, gravelly or friable soils for nesting.   | <b>None:</b> 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 three recent and one historical record between five and ten miles from the project site.                        | No                             |
| <i>Coccyzus americanus occidentalis</i><br>western yellow-billed cuckoo    | FT<br>MBTA             | SE<br>FGC                    | Occurs and nests in riparian forest along the broad lower flood-bottoms of larger river systems. Found in riparian jungles of willow, often mixed with cottonwoods; understory consists of blackberry, nettles, and wild grape. Long-distance migrant.  | <b>None:</b> 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. This species may be locally extirpated. | No                             |
| <i>Coturnicops noveboracensis</i><br>yellow rail                           | MBTA                   | SSC<br>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.  | <b>None:</b> 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.  | No                             |

| Scientific Name<br>Common Name                                      | Status                       |                            | Habitat Description <sup>3</sup>   | Potential to Occur and Rationale <sup>4</sup>  | Included in<br>Impact Analysis |
|---|------------------------------|----------------------------|--|--|--------------------------------|
|   | USFWS <sup>1</sup>           | CDFW <sup>2</sup>          |  |  |                                |
| <i>Elanus leucurus</i><br>white-tailed kite                         | MBTA                         | FP<br>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.  | <b>None:</b> The project site does not contain suitable habitat(s) that would support occurrence of this species. There are seven recent and one historical records within five miles of the project site and six recent records between five and ten miles from the project site. | No                             |
| <i>Eremophila alpestris actia</i><br>California horned lark         | MBTA                         | WL<br>FGC                  | Occurs and nests in open areas with sparse vegetation. Year-round resident in southern California.   | <b>None:</b> 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 three historical records between five and ten miles from the project site.              | No                             |
| <i>Falco peregrinus anatum</i><br>American peregrine falcon         | FD<br>MBTA<br>CONCCP/<br>HCP | SD<br>FP<br>CONCCP/<br>HCP | Occurs near bodies of water, including wetlands, lakes, and rivers, in open areas with cliffs, ledges, and canyons nearby for cover and nesting. They will also nest on banks, dunes, and mounds. Their nests are a scrape on a depression or ledge on an open site. They will nest on human-made structures, and occasionally uses tree or snag cavities or old nests of other raptors. | <b>None:</b> 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.  | No                             |
| <i>Icteria virens</i><br>yellow-breasted chat                       | MBTA                         | SSC<br>FGC                 | Occurs and nests in riparian thickets of willow and other bushy tangles near watercourses. Long-distance migrant.  | <b>None:</b> The project site does not contain suitable habitat(s) that would support occurrence of this species. There is one recent and 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>Laterallus jamaicensis coturniculus</i><br>California black rail | MBTA                         | ST<br>FP<br>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  | <b>None:</b> 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.  | No                             |

| Scientific Name<br>Common Name  | Status                       |                              | Habitat Description <sup>3</sup>   | Potential to Occur and Rationale <sup>4</sup>   | Included in<br>Impact Analysis |
|---|------------------------------|------------------------------|--|---|--------------------------------|
|   | USFWS <sup>1</sup>           | CDFW <sup>2</sup>            |  |   |                                |
|   |                              |                              | during the year and dense vegetation for nesting habitat.  |   |                                |
| <i>Pandion haliaetus</i><br>osprey  | MBTA                         | WL                           | Occurs in ocean shore, bays, freshwater lakes, and larger streams.   | <b>None:</b> 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.   | No                             |
| <i>Passerculus sandwichensis</i><br><i>beldingi</i><br>Belding's savannah sparrow     | MBTA                         | SE                           | Occurs in coastal wetlands and marshes.  | <b>None:</b> 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 three recent and one historical records between five and ten miles from the project site.                                | No                             |
| <i>Polioptila californica</i><br><i>californica</i><br>coastal California gnatcatcher | FT<br>MBTA<br>CONCCP/<br>HCP | SSC<br>FGC<br>CONCCP/<br>HCP | Occurs and nests in arid washes, on mesas, and slopes in coastal sage scrub below 2,500 ft. Year-round resident in California.                                       | <b>None:</b> The project site does not contain suitable habitat(s) that would support occurrence of this species. There are sixteen recent and three historical records within five miles of the project site and 44 recent and fifteen historical records between five and ten miles from the project site.          | No                             |
| <i>Rallus obsoletus levipes</i><br>light-footed Ridgway's rail                        | FE<br>MBTA                   | SE<br>FP                     | Occurs in salt marshes traversed by tidal sloughs, where cordgrass and pickleweed (required for nesting or escape cover) are the dominant vegetation.                | <b>None:</b> The project site does not contain suitable habitat(s) that would support occurrence of this species. There are two recent records within five miles of the project site and two recent records between five and ten miles from the project site.   | No                             |
| <i>Riparia riparia</i><br>bank swallow  | MBTA                         | ST                           | Nests in riparian scrub and riparian woodland. Requires vertical banks/cliffs with fine-textured/sandy soils near streams, rivers, lakes, ocean to dig nesting hole. | <b>None:</b> 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. This species is believed to be locally extirpated. | No                             |

| Scientific Name<br>Common Name                             | Status                       |                      | Habitat Description <sup>3</sup>  | Potential to Occur and Rationale <sup>4</sup>   | Included in<br>Impact Analysis |
|--|------------------------------|----------------------|---|---|--------------------------------|
|  | USFWS <sup>1</sup>           | CDFW <sup>2</sup>    |   |   |                                |
| <i>Rynchops niger</i><br>black skimmer                     | MBTA                         | SSC                  | Occurs and nests on gravel bars, low islets, and sandy beaches, in unvegetated sites.   | <b>None:</b> 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>Setophaga petechia</i><br>yellow warbler                | MBTA                         | SSC<br>FGC           | Occurs and nests in willow shrubs and thickets, cottonwoods, sycamores, ash, and alders, predominantly in riparian habitats. Long-distance migrant.   | <b>None:</b> 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.   | No                             |
| <i>Sternula antillarum browni</i><br>California least tern | FE<br>MBTA                   | SE<br>FP             | Occurs and nests on bare or sparsely vegetated, flat substrates: sand beaches, alkali flats, land fills, or paved areas.  | <b>None:</b> 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 three recent and three historical records between five and ten miles from the project site.    | No                             |
| <i>Vireo bellii pusillus</i><br>least Bell's vireo         | FE<br>MBTA<br>CONCCP/<br>HCP | SE<br>CONCCP/<br>HCP | Occurs and nests in low riparian habitat in the vicinity of water or in dry river bottoms. Long-distance migrant.   | <b>None:</b> 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 two historical records between five and ten miles from the project site. | No                             |
| <b>Mammals</b>   |                              |                      |   |   |                                |
| <i>Choeronycteris mexicana</i><br>Mexican long-tongued bat | —                            | SSC                  | Occurs in pinon and juniper woodlands, riparian scrub, and Sonoran thorn woodland. Feeds on nectar and pollen of night-blooming succulents. Roosts in relatively well-lit caves, and in and around buildings. | <b>None:</b> 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 five historical records between five and ten miles from the project site.                  | No                             |
| <i>Eumops perotis californicus</i><br>western mastiff bat  | —                            | SSC                  | Occurs in many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, chaparral. Roosts in   | <b>None:</b> 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.   | No                             |

| Scientific Name<br>Common Name  | Status               |                       | Habitat Description <sup>3</sup>  | Potential to Occur and Rationale <sup>4</sup>  | Included in<br>Impact Analysis |
|---|----------------------|-----------------------|---|--|--------------------------------|
|   | USFWS <sup>1</sup>   | CDFW <sup>2</sup>     |   |  |                                |
|   |                      |                       | crevices in cliff faces, high buildings, trees, and tunnels.  |  |                                |
| <i>Lasiurus cinereus</i><br>hoary bat                                       | —                    | —                     | Occurs in woodlands and forests with medium to large-size trees and dense foliage. Roosts in dense foliage of medium to large trees.  | <b>None:</b> 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.  | No                             |
| <i>Lasiurus xanthinus</i><br>western yellow bat                             | —                    | SSC                   | Occurs in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats. Roosts in skirts of dead fronds in both native and non-native palm trees.  | <b>None:</b> 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>Nyctinomops macrotis</i><br>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. | <b>None:</b> 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>Perognathus longimembris pacificus</i><br>Pacific pocket mouse           | FE<br>CONCCP/<br>HCP | SSC<br>CONCCP/<br>HCP | Occurs in coastal strand, coastal dunes, and coastal sage scrub growing on marine terraces. Prefers soils of fine alluvial sands near the ocean.  | <b>None:</b> 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>Sorex ornatus salicornicus</i><br>southern California<br>saltmarsh shrew | —                    | SSC                   | Occurs in coastal marshes in Los Angeles, Orange and Ventura counties. Requires dense vegetation and woody debris for cover.  | <b>None:</b> 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.  | No                             |
| <i>Taxidea taxus</i><br>American badger                                     | —                    | SSC                   | Occurs in drier open stages of most shrub, forest, and herbaceous habitats with friable soils. Requires sufficient food sources (rodents), friable soils, and open, uncultivated ground. Digs large burrows.  | <b>None:</b> 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.  | No                             |



| Scientific Name<br>Common Name   | Status             |                   | Habitat Description <sup>3</sup>  | Potential to Occur and Rationale <sup>4</sup> | Included in<br>Impact Analysis |
|--|--------------------|-------------------|---|---|--------------------------------|
|  | USFWS <sup>1</sup> | CDFW <sup>2</sup> |   |   |                                |
| <b>Code Designations</b>   |                    |                   |   |   |                                |
| <sup>1</sup> Federal Status: 2024 USFWS Listing  |                    |                   | <sup>2</sup> State Status: 2024 CDFW Listing  |   |                                |
| <b>ESU</b> = Evolutionary Significant Unit is a distinctive population.<br><b>FE</b> = Listed as endangered under the Endangered Species Act.<br><b>FT</b> = Listed as threatened under the Endangered Species Act.<br><b>FC</b> = Candidate for listing (threatened or endangered) under the Endangered Species Act.<br><b>FD</b> = Delisted in accordance with the Endangered Species Act.<br><b>FPD</b> = Federally Proposed to be Delisted.<br><b>BCC</b> = Bird of Conservation Concern<br><b>MBTA</b> = protected by the Migratory Bird Treaty Act<br><b>—</b> = Not federally listed  |                    |                   | <b>SE</b> = Listed as endangered under the California Endangered Species Act (CESA).<br><b>ST</b> = Listed as threatened under the CESA.<br><b>SSC</b> = Species of Special Concern as identified by CDFW.<br><b>FP</b> = Listed as fully protected under the Fish and Game Code.<br><b>FGC</b> = protected by Fish and Game Code 3503-3513<br><b>CE</b> = Candidate endangered under CESA.<br><b>WL</b> = CDFW Watch List<br><b>—</b> = Not State listed |   |                                |
| Notes:<br><sup>3</sup> <b>Habitat Description:</b> Habitat description adapted from CNDDDB or other specified source.<br><sup>4</sup> <b>Potential to Occur and Rationale:</b> Location of recorded species occurrences determined by geospatial information from BIOS 6 or other specified source.<br>Sources:<br>California Department of Fish and Wildlife (CDFW). 2024. Biogeographic Information and Observation System (BIOS 6). Website: <a href="https://wildlife.ca.gov/Data/BIOS">https://wildlife.ca.gov/Data/BIOS</a> . Accessed December 2, 2024.<br>California Department of Fish and Wildlife (CDFW). 2024. CNDDDB RareFind 5 California Natural Diversity Database Query for Special-Status Species. Website: <a href="https://wildlife.ca.gov/Data/CNDDDB/Maps-and-Data">https://wildlife.ca.gov/Data/CNDDDB/Maps-and-Data</a> . Accessed December 2, 2024.<br>U.S. Fish and Wildlife Service (USFWS). 2024. Information for Planning and Consultation. Website: <a href="https://ecos.fws.gov/ipac/">https://ecos.fws.gov/ipac/</a> . Accessed December 2, 2024. |                    |                   |   |   |                                |

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