

---

**APPENDIX C**

**BIOLOGICAL RESOURCES EVALUATION**

**SPECIES OCCURRENCE POTENTIAL DETERMINATIONS**

---

| Pseudognaphalium leucocephalum                                                                                                                                                                                                                                                                                                          | Common Name (=Synonym)                                     | Federal/State Status   | Other Status                     | General Habitat Description in California                                                                                                                                                                                                                                                                                                                                                                                                             | Plant Elevation Range (feet amsl) | BSA Contains Potential Suitable Habitats | BSA is Located Within the Plant Species' Known: |                      | Potential For Occurrence in the BSA                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|-------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                         |                                                            |                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                                          | Elevation Range (166-191 ft)                    | General Distribution |                                                                                                                                                                                    |
| Listed Endangered, Threatened, Candidate and State Rare Plants: Plants with official status under the federal Endangered Species Act (ESA), the California Endangered Species Act (CESA), and/or the Native Plant Protection Act (NPPA). A species may have other sensitive designations in addition to their federal or state listing. |                                                            |                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                                          |                                                 |                      |                                                                                                                                                                                    |
| <i>Berberis nevinii</i><br>(=Mahonia nevinii)                                                                                                                                                                                                                                                                                           | Nevin's barberry                                           | FE, SE, CRPR: 1B.1     | -                                | Lifeform: perennial evergreen shrub<br>Habitats: two habitat types- alluvial scrub community, chaparral community<br>Soils: alluvial scrub community it grows on sandy and gravelly substrates along the margins of dry washes, chaparral community, it grows on steep, north-facing slopes with coarse soils and rocky slopes<br>Bloom Period: February to June                                                                                      | 229 – 2,706                       | No                                       | No                                              | No                   | <b>Not expected to occur.</b> The project site is outside the known elevation range for this species. However there has been one observation (>5 years) within 2 miles of the BSA. |
| <i>Brodiaea filifolia</i>                                                                                                                                                                                                                                                                                                               | thread-leaved brodiaea<br>(=threadleaf clusterlily)        | FT, SE, S2, CRPR: 1B.1 | -                                | Lifeform: perennial bulbiferous herb<br>Habitats: Chaparral (openings), cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools. Usually associated with annual grassland and vernal pools; often surrounded by shrubland habitats. Usually associated with annual grassland and vernal pools; often surrounded by shrubland habitats.<br>Soils: Often found in openings on clay soils<br>Bloom Period: March to June | 82 – 3,674                        | No                                       | Yes                                             | Yes                  | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species. However there has been one observation (>5 years) within 2 miles of the BSA.             |
| <i>Chloropyron maritimum ssp. maritimum</i><br>(=Cordylanthus maritimus ssp. maritimus)                                                                                                                                                                                                                                                 | salt marsh bird's-beak                                     | FE, SE, CRPR: 1B.2     | -                                | Lifeform: annual herb<br>Habitats: portions of salt marshes subject to periodic inundation from high tides, non-tidal areas or in areas of perched water tables<br>Wetlands, Drainages, or Seeps: Yes<br>Bloom Period: May to Novemeber                                                                                                                                                                                                               | 0 - 98                            | No                                       | No                                              | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                                          |
| <i>Dudleya stolonifera</i>                                                                                                                                                                                                                                                                                                              | Laguna Beach dudleya                                       | FT, ST, CRPR: 1B.1     | OC NCCP/ HCP: Identified Species | Lifeform: perennial stoloniferous herb<br>Habitats: thin, rocky sedimentary soil (some < ½ inch deep) on sandstone cliffs on steep canyon walls, Found in chaparral, cismontane woodlands, coastal scrub, and valley and foothill grasslands<br>Bloom Period: May to July                                                                                                                                                                             | 33 - 853                          | No                                       | Yes                                             | Yes                  | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species. However there has been one observation (>1 year) within 2 miles of the BSA.              |
| <i>Verbesina dissita</i>                                                                                                                                                                                                                                                                                                                | big-leaved crownbeard<br>(=crown-beard)                    | FT, ST, CRPR: 1B.1     | -                                | Lifeform: perennial herb<br>Habitats: steep, rocky, north-facing slopes within 1.5 miles of the ocean in gravelly soils of southern maritime chaparral (90%) and coastal sage scrub (10%) plant communities<br>Bloom Period: March to July                                                                                                                                                                                                            | 148 - 672                         | No                                       | Yes                                             | Yes                  | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species. However there has been one observation (>1 year) within 2 miles of the BSA.              |
| Sensitive Plants: These plants have no official status under the ESA, the CESA, and/or the NPPA; however they are designated as sensitive or locally important by federal agencies, state agencies, and/or local conservation agencies and organizations.                                                                               |                                                            |                        |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |                                          |                                                 |                      |                                                                                                                                                                                    |
| <i>Aphanisma blitoides</i>                                                                                                                                                                                                                                                                                                              | aphanisma                                                  | S2, CRPR 2B.2          | -                                | Lifeform: annual herb<br>Habitats: coastal bluff scrub, coastal dunes, and coastal scrub<br>Soils: sandy soils<br>Bloom Period: February to June                                                                                                                                                                                                                                                                                                      | 3 – 1,000                         | No                                       | Yes                                             | Yes                  | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                                          |
| <i>Atriplex coulteri</i>                                                                                                                                                                                                                                                                                                                | Coulter's saltbush                                         | S1S2, CRPR 1B.2        | -                                | Lifeform: perennial herb<br>Habitats : Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland; ocean bluffs, ridgetops, as well as alkaline low places.<br>Soils: alkaline or clay soils<br>Bloom Period: March to October                                                                                                                                                                                                  | 10 – 1,510                        | No                                       | Yes                                             | Yes                  | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                                          |
| <i>Atriplex pacifica</i>                                                                                                                                                                                                                                                                                                                | South Coast saltscale                                      | S2; CRPR 1B.2          | -                                | Lifeform: annual herb<br>Habitats :Coastal scrub, coastal bluff scrub, playas, coastal dunes.<br>Soils: alkaline soils<br>Bloom Period: March to October                                                                                                                                                                                                                                                                                              | 0 - 459                           | No                                       | Yes                                             | Yes                  | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                                          |
| <i>Atriplex parishii</i>                                                                                                                                                                                                                                                                                                                | Parish's brittlescale<br>(=Parish's saltbush)              | CRPR: 1B.1             | -                                | Lifeform: annual herb<br>Habitats: coastal bluff scrub, coastal dunes, coastal scrub, chenopod scrub and playas<br>Soils: alkaline soils<br>Bloom Period: March to October                                                                                                                                                                                                                                                                            | 82 – 6,232                        | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                                          |
| <i>Atriplex serenana</i> var. <i>davidsonii</i>                                                                                                                                                                                                                                                                                         | Davidson's saltscale<br>(=Davidson's saltbush, bractscale) | CRPR: 1B.2             | -                                | Lifeform: annual herb<br>Habitats: coastal bluff scrub and coastal scrub, alkali vernal pools, alkali annual grasslands, alkali playa, and alkali scrub components of alkali vernal plains<br>Bloom Period: April to October                                                                                                                                                                                                                          | 33 – 656                          | No                                       | Yes                                             | Yes                  | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                                          |
| <i>Calochortus weedii</i> var. <i>intermedius</i>                                                                                                                                                                                                                                                                                       | intermediate mariposa lily<br>(=Weeds mariposa lily)       | CRPR: 1B.2             | -                                | Lifeform: perennial bulbiferous herb<br>Habitats: dry, rocky open slopes and rock outcrops in coastal scrub and chaparral<br>Bloom Period: May to July                                                                                                                                                                                                                                                                                                | 344 – 2,804                       | No                                       | No                                              | Yes                  | <b>Not expected to occur.</b> The project site is outside the known elevation range for this species. However there has been one observation (>1 year) within 1 mile of the BSA.   |

| Pseudognaphalium leucocephalum                                                             | Common Name (=Synonym)                                   | Federal/State Status | Other Status | General Habitat Description in California                                                                                                                                                                                                                          | Plant Elevation Range (feet amsl) | BSA Contains Potential Suitable Habitats | BSA is Located Within the Plant Species' Known: |                      | Potential For Occurrence in the BSA                                                                                                                                   |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|-------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                            |                                                          |                      |              |                                                                                                                                                                                                                                                                    |                                   |                                          | Elevation Range (166-191 ft)                    | General Distribution |                                                                                                                                                                       |
| <i>Centromadia parryi</i> ssp. <i>australis</i> (=Hemizonia parryi ssp. <i>australis</i> ) | southern tarplant                                        | CRPR: 1B.1           | -            | Lifeform: annual herb<br>Habitats: margins of marshes and swamps, and in vernally mesic sites within valley and foothill grasslands and vernal pools<br>Bloom Period: May to November                                                                              | 0 – 1,574                         | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i>                                      | Orcutt's pincushion (=Orcutt's yellow pincushion)        | S1; CRPR 1B.1        | -            | Lifeform: annual herb<br>Habitats: Coastal bluff scrub, coastal dunes<br>Soils: sandy sites<br>Bloom Period: January to August                                                                                                                                     | 0 – 328                           | No                                       | Yes                                             | Yes                  | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i>                               | summer holly                                             | S2, CRPR 1B.2        | -            | Lifeform: perennial evergreen shrub<br>Habitats: chaparral and cismontane woodlands; often in mixed chaparral in California, sometimes post-burn.<br>Bloom Period: April to June                                                                                   | 100 - 2,590                       | No                                       | Yes                                             | Yes                  | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i>                                         | Blochman's dudleya                                       | CRPR: 1B.1           | -            | Lifeform: perennial herb<br>Habitats: valley/foothill grasslands, coastal bluff scrub, chaparral and coastal scrub<br>Soils: open, rocky slopes, often serpentine or clay-dominated<br>Bloom Period: April to June                                                 | 16 – 1,476                        | No                                       | Yes                                             | Yes                  | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species. However there has been one observation (>1 year) within 2 miles of the BSA. |
| <i>Dudleya multicaulis</i>                                                                 | many-stemmed dudleya                                     | CRPR: 1B.2           | -            | Lifeform: perennial herb<br>Habitats: barrens, rocky places, and ridgelines as well as thinly vegetated openings in chaparral, valley and foothill grasslands, and coastal sage scrub<br>Soils: clay soils, heavy soils, often clay<br>Bloom Period: April to July | 49 – 2,591                        | No                                       | Yes                                             | Yes                  | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species. However there has been one observation (>1 year) within 1 mile of the BSA.  |
| <i>Euphorbia misera</i>                                                                    | cliff spurge                                             | CRPR: 2B.2           | -            | Lifeform: perennial shrub<br>Habitats: Mojavean desert scrub, coastal bluff scrub, and coastal scrub<br>Soils: rocky sites<br>Bloom Period: December to October                                                                                                    | 33 – 1,640                        | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species. However there has been one observation (>1 year) within 2 miles of the BSA. |
| <i>Harpagonella palmeri</i> (=Pectocarya palmeri)                                          | Palmer's grapplinghook                                   | S3, CRPR 4.2         | -            | Lifeform: annual herb<br>Habitats: Chaparral, coastal scrub, valley and foothill grassland; openings, and open grassy areas within shrubland.<br>Soils: clay soils<br>Bloom Period: March to May                                                                   | 65 – 3,135                        | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Helianthus nuttallii</i> ssp. <i>parishii</i>                                           | Los Angeles sunflower                                    | CRPR: 1A             | -            | Lifeform: perennial rhizomatous herb<br>Habitats: coastal salt and freshwater marshes and swamps<br>Wetlands, Drainages, or Seeps: Yes<br>Bloom Period: August to October                                                                                          | 33 – 5,000                        | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Horkelia cuneata</i> var. <i>puberula</i> (=Horkelia cuneata ssp. <i>puperula</i> )     | mesa horkelia                                            | CRPR: 1B.1           | -            | Lifeform: perennial herb<br>Habitats: maritime chaparral, coastal scrub, and cismontane woodlands<br>Soils: sandy or gravelly sites<br>Bloom Period: February to September                                                                                         | 230 – 2,657                       | No                                       | No                                              | Yes                  | <b>Not expected to occur.</b> The project site is outside the known elevation range for this species.                                                                 |
| <i>Imperata brevifolia</i>                                                                 | California satintail                                     | CRPR: 2B.1           | -            | Lifeform: perennial rhizomatous herb<br>Habitats: mesic sites within chaparral, coastal scrub, Mojavean desert scrub, meadows and seeps (often alkali), and riparian scrub<br>Wetlands, Drainages, or Seeps: Yes<br>Bloom Period: September to May                 | 0 – 3,985                         | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Isocoma menziesii</i> var. <i>decumbens</i>                                             | decumbent goldenbush                                     | S2, CRPR 1B.2        | -            | Lifeform: perennial shrub<br>Habitats: Coastal scrub, chaparral. Often in distrubed sites.<br>Soils: sandy soils<br>Bloom Period: April to November                                                                                                                | 35 - 820                          | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Lasthenia glabrata</i> ssp. <i>coulteri</i>                                             | Coulter's goldfields                                     | S2, CRPR 1B.1        | -            | Lifeform: annual herb<br>Habitats: Coastal salt marshes, playas, vernal pools, playas, sinks, and grasslands.<br>Soils:Usually found on alkaline soils.<br>Bloom Period: February to June                                                                          | 3 – 4,002                         | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Lepidium virginicum</i> var. <i>robinsonii</i>                                          | Robinson's pepper-grass                                  | S3, CRPR 4.3         | -            | Lifeform: annual herb<br>Habitats: chaparral and coastal sage scrub; shrubland.<br>Soils: dry soils<br>Bloom Period: January to July                                                                                                                               | 3 – 2,903                         | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Nama stenocarpa</i>                                                                     | mud nama                                                 | S1S2, CRPR 2B.2      | -            | Lifeform: annual/perennial herb<br>Habitats: Marshes and swamps (lake shores, river banks, intermittently wet areas).<br>Bloom Period: January to July                                                                                                             | 15 - 1,640                        | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Navarretia prostrata</i>                                                                | prostrate vernal pool navarretia (=prostrate navarretia) | S2, CRPR 1B.2        | -            | Lifeform: annual herb<br>Habitats: coastal scrub, valley and foothill grasslands (alkaline washes), meadows and seeps, and vernal pools. Mesic, alkaline sites.<br>Wetlands, Drainages, or Seeps: Yes<br>Soils: alkaline soils<br>Bloom Period: April to July      | 10 - 3,970                        | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |

| Pseudognaphalium leucocephalum                                    | Common Name (=Synonym)                                          | Federal/State Status | Other Status                     | General Habitat Description in California                                                                                                                                                                                                                                                                                              | Plant Elevation Range (feet amsl) | BSA Contains Potential Suitable Habitats | BSA is Located Within the Plant Species' Known: |                      | Potential For Occurrence in the BSA                                                                                                                                   |
|-------------------------------------------------------------------|-----------------------------------------------------------------|----------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------|-------------------------------------------------|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                   |                                                                 |                      |                                  |                                                                                                                                                                                                                                                                                                                                        |                                   |                                          | Elevation Range (166-191 ft)                    | General Distribution |                                                                                                                                                                       |
| <i>Nemacaulis denudata</i> var. <i>denudata</i>                   | coast woolly-heads                                              | S2, CRPR 1B.2        | -                                | Lifeform: annual herb<br>Habitats: coastal dunes<br>Bloom Period: April to September                                                                                                                                                                                                                                                   | 0 - 328                           | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Nolina cismontana</i>                                          | chaparral nolina (=Peninsular nolina and =California beargrass) | CRPR: 1B.2           | -                                | Lifeform: perennial evergreen shrub<br>Habitats: chaparral and coastal scrub<br>Soils: sandstone or gabbro soils<br>Bloom Period: March to July                                                                                                                                                                                        | 459 – 4,182                       | No                                       | No                                              | Yes                  | <b>Not expected to occur.</b> The project site is outside the known elevation range for this species.                                                                 |
| <i>Pentachaeta aurea</i> ssp. <i>allenii</i>                      | Allen's pentachaeta                                             | CRPR: 1B.1           | -                                | Lifeform: annual herb<br>Habitats: valley and foothill grasslands, chaparral, cismontane woodlands, riparian woodlands, coastal sage scrub, and lower montane coniferous forests<br>Soils: dry, open or grassy areas and is often associated with clay substrates<br>Wetlands, Drainages, or Seeps: Yes<br>Bloom Period: March to June | 246 – 1,706                       | No                                       | No                                              | Yes                  | <b>Not expected to occur.</b> The project site is outside the known elevation range for this species.                                                                 |
| <i>Pseudognaphalium leucocephalum</i> (=Gnaphalium leucocephalum) | white rabbit-tobacco                                            | S2, CRPR 2B.2        | -                                | Lifeform: perennial herb<br>Habitats: chaparral, cismontane woodlands, coastal scrub and riparian woodlands; sandy or gravelly benches, dry stream bottoms, canyon bottoms<br>Soils: sandy and gravelly sites<br>Bloom Period: (July) August to November (December)                                                                    | 0 – 6,890                         | No                                       | Yes                                             | Yes                  | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species. However there has been one observation (>1 year) within 2 miles of the BSA. |
| <i>Quercus dumosa</i>                                             | Nuttall's scrub oak                                             | S3, CRPR 1B.1        | OC NCCP/ HCP: Identified Species | Lifeform: perennial evergreen shrub<br>Habitats: closed-cone coniferous forests, chaparral, and coastal scrub<br>Soils: Generally on sandy soils near the coast; sometimes on clay loam<br>Bloom Period: February to August                                                                                                            | 49 – 1,312                        | No                                       | Yes                                             | Yes                  | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Senecio aphanactis</i>                                         | chaparral ragwort (=rayless ragwort)                            | S2, CRPR 2B.2        | -                                | Lifeform: annual herb<br>Habitats: Chaparral, cismontane woodland, coastal scrub; sometimes on drying alkaline flats.<br>Bloom Period: January to April (May)                                                                                                                                                                          | 49 – 2,624                        | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Sidalcea neomexicana</i>                                       | salt spring checkerbloom (=mountain sidalcea)                   | S2, CRPR 2B.2        | -                                | Lifeform: perennial herb<br>Habitats: Playas, chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub, alkali springs and marshes, mesic sites.<br>Bloom Period: March to June                                                                                                                                | 49 – 5,018                        | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Suaeda esteroa</i>                                             | estuary seablite                                                | S2, CRPR 1B.2        | -                                | Lifeform: perennial fleshy herb<br>Habitats: coastal salt marshes and swamps often growing with <i>Salicornia subterminalis</i> .<br>Soils: clay, silt, and sand substrates<br>Bloom Period: May to January                                                                                                                            | 0 - 16                            | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| <i>Symphyotrichum defoliatum</i> (=Aster bernardinus)             | San Bernardino aster                                            | CRPR: 1B.2           | -                                | Lifeform: perennial rhizomatous herb<br>Habitats: cismontane woodlands, coastal scrub, lower montane coniferous forests, meadows and seeps, marshes and swamps, and vernally mesic valley and foothill grasslands<br>Soils: moist fine alluvial soils<br>Wetlands, Drainages, or Seeps: Yes<br>Bloom Period: July to November          | 7 – 6,691                         | No                                       | Yes                                             | No                   | <b>Not expected to occur.</b> The BSA does not contain suitable habitat for this species.                                                                             |
| Legend and Notes                                                  |                                                                 |                      |                                  |                                                                                                                                                                                                                                                                                                                                        |                                   |                                          |                                                 |                      |                                                                                                                                                                       |

**Federal Endangered Species Act (ESA) Listing Codes:**

- **FE = federally listed as endangered:** any species of plant or animal that is in danger of extinction throughout all or a significant portion of their range.
- **FT = federally listed as threatened:** any species of plant or animal that is considered likely to become endangered throughout all or a significant portion of its range within the foreseeable future.
- **FC = federal candidate for listing:** candidate species are plants and animals for which the USFWS has sufficient information on their biological status and threats to propose them for listing as endangered or threatened under the ESA, but for which development of a proposed listing regulation is precluded by higher priority listing actions to address species in greater need. A proposed regulation has not yet been published in the Federal Register for these species.
- **FPE = federally proposed for listing as endangered:** a candidate species that has been proposed by USFWS for listing as endangered and the proposed rule, but not a final rule, to list has been published in the Federal Register.
- **FPT = federally proposed for listing as threatened:** a candidate species that has been proposed by USFWS for listing as threatened and the proposed rule, but not a final rule, to list has been published in the Federal Register.
- **FPD = federally proposed for delisting:** a species that has been proposed by USFWS for delisting (or down listing from endangered to threatened) and the proposed rule to delist has been published in the Federal Register.

**California Endangered Species Act (CESA) Listing Codes:**

- **SE = state-listed as endangered:** "endangered species" means a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant which is in serious danger of becoming extinct throughout all, or a significant portion, of its range due to one or more causes, including loss of habitat, change in habitat, overexploitation, predation, competition, or disease (Fish and Game Code § 2062).
- **ST = state-listed as threatened:** "threatened species" means a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that, although not presently threatened with extinction, is likely to become an endangered species in the foreseeable future in the absence of the special protection and management efforts (Fish and Game Code § 2067).
- **SCE = state candidate for listing as endangered:** a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that the Fish and Game Commission has formally noticed published in the California Regulatory Notice Register as being under review by CDFW for addition to the list of endangered species, or a species for which the Fish and Game Commission has published a notice of proposed regulation to add the species to the list (Fish and Game Code § 2068).
- **SCT = state candidate for listing as threatened:** a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that the Fish and Game Commission has formally noticed published in the California Regulatory Notice Register as being under review by CDFW for addition to the list of threatened species, or a species for which the Fish and Game Commission has published a notice of proposed regulation to add the species to the list (Fish and Game Code § 2068).
- **SCD = state candidate for delisting:** a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that the Fish and Game Commission has formally noticed published in the California Regulatory Notice Register as being under review by CDFW for removal from either the list of endangered species or the list of threatened species, or a species for which the Fish and Game Commission has published a notice of proposed regulation to remove the species to either list.
- **SR = state rare:** A species, subspecies, or variety of native plant is rare when, although not presently threatened with extinction, it is in such small numbers throughout its range that it may become endangered if its present environment worsens (Fish and Game Code § 1901).

| Pseudognaphalium leucocephalum | Common Name (=Synonym) | Federal/State Status | Other Status | General Habitat Description in California | Plant Elevation Range (feet amsl) | BSA Contains Potential Suitable Habitats | BSA is Located Within the Plant Species' Known: |                      | Potential For Occurrence in the BSA |
|--------------------------------|------------------------|----------------------|--------------|-------------------------------------------|-----------------------------------|------------------------------------------|-------------------------------------------------|----------------------|-------------------------------------|
|                                |                        |                      |              |                                           |                                   |                                          | Elevation Range (166-191 ft)                    | General Distribution |                                     |

***California Rare Plant Ranks*** (Formerly known as CNPS Lists): the CNPS is a statewide, nonprofit organization that maintains, with CDFW, an Inventory of Rare and Endangered Plants of California. In the spring of 2011, CNPS and CDFW officially changed the name “CNPS List” or “CNPS Ranks” to “California Rare Plant Rank” (or CPRP). This was done to reduce confusion over the fact that CNPS and CDFW jointly manage the Rare Plant Status Review Groups and the rank assignments are the product of a collaborative effort and not solely a CNPS assignment.

- **CRPR: 1A** = California Rare Plant Rank 1A - plants presumed extirpated in California and either rare or extinct elsewhere: the plants with a CRPA of 1A are presumed extirpated because they have not been seen or collected in the wild in California for many years. This rank includes plants that are both presumed extinct as well as those plants which are presumed extirpated in California. All of the plants constituting CRPR 1A meet the definitions of § 2062 and § 2067 (CESA) of the Fish and Game Code, and are eligible for state listing. Should these taxa be rediscovered, it is mandatory that they be fully considered during preparation of environmental documents relating to CEQA.
- CRPR 1B** = California Rare Plant Rank 1B - plants rare, threatened, or endangered in California and elsewhere: plants with a CRPR of 1B are rare throughout their range with the majority of them endemic to California. Most of the plants that are ranked 1B have declined significantly over the last century. All of the plants constituting CRPR 1B meet the definitions of § 2062 and § 2067 (CESA) of the Fish and Game Code, and are eligible for state listing. It is mandatory that they be fully considered during preparation of environmental documents relating to CEQA.
- CRPR 2A** = California Rare Plant Rank 2A - plants presumed extirpated in California, but more common elsewhere: the plant taxa of CRPR 2A are presumed extirpated because they have not been observed or documented in California for many years. This list includes only those plant taxa that are presumed extirpated in California, but more common elsewhere in their range. All of the plants on List 2A meet the definitions of § 2062 and § 2067 (CESA) of the Fish and Game Code, and are eligible for state listing. Should these taxa be rediscovered, it is mandatory that they be fully considered during preparation of environmental documents relating to CEQA.
- CRPR 2B** = California Rare Plant Rank 2B - plants rare, threatened, or endangered in California, but more common elsewhere: except for being common beyond the boundaries of California, plants with a CRPR of 2B would have been ranked 1B. From the federal perspective, plants common in other states or countries are not eligible for consideration under the provisions of the ESA. All of the plants constituting CRPR 2B meet the definitions of § 2062 and § 2067 (CESA) of the Fish and Game Code, and are eligible for state listing. It is mandatory that they be fully considered during preparation of environmental documents relating to CEQA.
- CRPR 3** = California Rare Plant Rank 3 - plants about which more information is needed - a review list: the plants that comprise CRPR 3 are united by one common theme – CNPS and CDFW lack the necessary information to assign them to one of the other ranks or to reject them. Nearly all of the plants constituting CRPR 3 are taxonomically problematic. Some of the plants constituting CRPR 3 meet the definitions of § 2062 and § 2067 (CESA) of the Fish and Game Code, and are eligible for state listing. CNPS strongly recommends that CRPR 3 plants be evaluated for consideration during preparation of environmental documents relating to CEQA.
- CRPR 4** = California Rare Plant Rank 4 - plants of limited distribution - a watch list: the plants in this category are of limited distribution or infrequent throughout a broader area in California. While CNPS and CDFW cannot call these plants "rare" from a statewide perspective, they are uncommon enough that their status should be monitored regularly. Should the degree of endangerment or rarity of a CRPR 4 plant change, CNPS and CDFW will transfer it to a more appropriate rank. Some of the plants constituting CRPR 4 meet the definitions of § 2062 and § 2067 (CESA) of the Fish and Game Code, and few, if any, are eligible for state listing. Nevertheless, many of them are significant locally, and CNPS strongly recommends that CRPR 4 plants be evaluated for consideration during preparation of environmental documents relating to CEQA.
- Considered But Rejected** = plants that have been considered for inclusion into the CNPS Inventory, but were not included for various reasons.

***California Native Plant Society (CNPS) Threat Ranks:*** The CNPS Threat Rank is an extension added onto the California Rare Plant Rank (CRPR) (as a decimal code) and designates the level of threats by a 1 to 3 ranking with 1 being the most threatened and 3 being the least threatened. A Threat Rank is present for all CRPR 1B's, 2B's, 4's, and the majority of CRPR 3's. CRPR 4 plants are seldom assigned a Threat Rank of .1, as they generally have large enough populations to not have significant threats to their continued existence in California; however, certain conditions exist to make the plant a species of concern and hence be assigned a CRPR. In addition, all CRPR 1A and 2A (presumed extirpated in California), and some CRPR 3 (need more information) plants, which lack threat information, do not have a Threat Rank extension.

- 1** = seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)
- 2** = moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)
- 3** = not very threatened in California (<20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

| Scientific Name<br>(=Synonym)                                                                                                                                                                                                                                                           | Common Name (=Synonym)                            | Federal/State<br>Status                                   | Other Status                                          | General Habitat Descriptions in California                                                                                                                                                                                                                                                                                                                                                                                                                                       | The BSA:                                                               |                                                                | Potential For Occurrence in the BSA                                                                                                                                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                         |                                                   |                                                           |                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Located Within Species' Distribution and/or Elevation Range (if known) | Contains Suitable Foraging, Roosting, and/or Breeding Habitats |                                                                                                                                                                                 |
| Listed Endangered, Threatened, and Candidate Wildlife: Wildlife with official status under the federal Endangered Species Act (ESA) and/or the California Endangered Species Act (CESA). A species may have other sensitive designations in addition to their federal or state listing. |                                                   |                                                           |                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                        |                                                                |                                                                                                                                                                                 |
| Listed Invertebrates                                                                                                                                                                                                                                                                    |                                                   |                                                           |                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                        |                                                                |                                                                                                                                                                                 |
| <i>Bombus crotchii</i>                                                                                                                                                                                                                                                                  | Crotch's bumble bee                               | SCE, S2                                                   | IUCN: EN                                              | Habitats: grasslands and shrublands. Hotter and drier environment than other bumblebee species. Prefers milkweeds, dusty maidens, lupines, medics, phacelias, sages, clarkias, poppies, and wild buckwheats. This species occurs primarily in California, including the Mediterranean region, Pacific Coast, Western Desert, Great Valley, and adjacent foothills through most of southwestern California.                                                                       | Yes                                                                    | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat or vegetation to support this species.                                                                  |
| <i>Branchinecta sandiegonensis</i>                                                                                                                                                                                                                                                      | San Diego fairy shrimp                            | FE, S1                                                    | OC NCCP / HCP: Conditionally Covered Species;         | Habitats: small, shallow vernal pools, which range in depth from 2 to 12 inches and in water temperature from 10 to 20 degrees Celsius, ditches and road ruts                                                                                                                                                                                                                                                                                                                    | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| <i>Danaus plexippus</i> pop. 1                                                                                                                                                                                                                                                          | monarch butterfly                                 | FC: California overwintering population, S2               | IUCN: EN                                              | Habitats: Winter roost sites extend along the coast from northern Mendocino to Baja California, Mexico. Roosts located in wind-protected tree groves (eucalyptus, Monterey pine, cypress), with nectar and water sources nearby.                                                                                                                                                                                                                                                 | Yes                                                                    | No                                                             | <b>Low potential to occur.</b> The BSA does not contain suitable habitat to support this species, however, this species has been observed (>1 year) within 1000ft of the BSA.   |
| <i>Streptocephalus woottoni</i>                                                                                                                                                                                                                                                         | Riverside fairy shrimp                            | FE, S2                                                    | OC NCCP / HCP: Conditionally Covered Species          | Habitats: deep, long-lived, cool lowland vernal pools, vernal pool like ephemeral ponds, and stock ponds that retain water, minimum depth of 30 cm at maximum filling and the water is usually moderately turbid, seasonal grasslands.<br>Characteristics: Hatch in warm water later in the season.                                                                                                                                                                              | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| Listed Fish                                                                                                                                                                                                                                                                             |                                                   |                                                           |                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                        |                                                                |                                                                                                                                                                                 |
| <i>Eucyclogobius newberryi</i>                                                                                                                                                                                                                                                          | tidewater goby                                    | FE, SSC                                                   | -                                                     | Habitats: still waters of coastal lagoons, marshes, and creeks, coastal lagoons where freshwater runoff and salt water mix to yield the requisite brackish waters<br>Characteristics: avoid areas of dense plant growth, avoid open areas where there is strong wave action or strong currents                                                                                                                                                                                   | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| <i>Oncorhynchus mykiss irideus</i> pop. 10                                                                                                                                                                                                                                              | steelhead – southern California DPS               | FE[10], SCE[10]                                           | -                                                     | Habitats: cool, clear, well-oxygenated streams<br>Characteristics: higher-elevation headwaters are primary spawning and rearing areas                                                                                                                                                                                                                                                                                                                                            | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| Listed Amphibians                                                                                                                                                                                                                                                                       |                                                   |                                                           |                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                        |                                                                |                                                                                                                                                                                 |
| <i>Anaxyrus californicus</i> (=Bufo californicus)                                                                                                                                                                                                                                       | arroyo toad                                       | FE; S2; SSC                                               | IUCN:LC; OC NCCP / HCP: Conditionally Covered Species | Habitats: Semi-arid regions near washes or intermittent streams, including valley-foothill and desert riparian, desert wash, etc.; breeds in and near streams<br>Characteristics: nearby sandy terraces, dampened in places by capillary action, and with some scattered vegetation providing surface sheltering and burrowing sites and foraging areas. Rivers with sandy banks, willows, cottonwoods, and sycamores; loose, gravelly areas of streams in drier parts of range. | Yes                                                                    | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| Listed Birds                                                                                                                                                                                                                                                                            |                                                   |                                                           |                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                        |                                                                |                                                                                                                                                                                 |
| <i>Agelaius tricolor</i>                                                                                                                                                                                                                                                                | tricolored blackbird                              | ST, SSC, BCC                                              | -                                                     | Habitats: fresh water, preferably in emergent wetland with tall, dense cattails ( <i>Typha</i> sp.) or tules, natural grassland, woodland, or agricultural cropland<br>Characteristics: species is not migratory, but is nomadic and highly colonial                                                                                                                                                                                                                             | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| <i>Athene cunicularia</i>                                                                                                                                                                                                                                                               | burrowing owl                                     | SCT; BLM:S; BCC                                           | -                                                     | Habitats: open, dry, flat ground or low rolling hills with sparse vegetation and available burrows; may be found in desert, rural, urban, and suburban habitats<br>Characteristics: prefer to use existing burrows dug by small mammals (e.g., gophers), but will also dig their own burrows in suitably soft soils.                                                                                                                                                             | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| <i>Charadrius nivosus nivosus</i> (=Charadrius alexandrinus nivosus)                                                                                                                                                                                                                    | western snowy plover - Pacific coastal population | FT[18], FT, SSC[19], BCC[20]                              | -                                                     | Habitats: coastal beaches, sand spits, dune-backed beaches, sparsely-vegetated dunes, beaches at creek and river mouths, and salt pans at lagoons and estuaries, sparsely vegetated ground at alkaline or saline lakes, reservoirs, and pond; on riverine sand bars; and at sewage, salt-evaporation, and agricultural waste-water ponds                                                                                                                                         | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| <i>Elanus leucurus</i>                                                                                                                                                                                                                                                                  | white-tailed kite                                 | fully protected                                           | -                                                     | Habitats: undisturbed, open grasslands, meadows, emergent wetlands, farmlands, crops, pastures, and other cultivated habitats<br>Characteristics: adjacent to their nesting woodland must be open foraging grasslands                                                                                                                                                                                                                                                            | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| <i>Laterallus jamaicensis coturniculus</i>                                                                                                                                                                                                                                              | California black rail                             | ST, fully protected                                       | -                                                     | Habitats: high coastal marshes to freshwater marshes along the lower Colorado River, pickleweed, bulrushes, and matted salt grass ( <i>Distichlis spicata</i> ) and other marsh vegetation<br>Characteristics: they use areas of shallow water with relatively stable water levels and flat shoreline                                                                                                                                                                            | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| <i>Passerculus sandwichensis beldingi</i>                                                                                                                                                                                                                                               | Belding's savannah sparrow                        | SE, BCC                                                   | -                                                     | Habitats: mud flats, shorelines, and rock jetties<br>Characteristics: associated with coastal salt marshes in the upper intertidal marsh zone                                                                                                                                                                                                                                                                                                                                    | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| <i>Polioptila californica californica</i>                                                                                                                                                                                                                                               | coastal California gnatcatcher                    | FT; SSC; S2                                               | OC NCCP / HCP: Target Species                         | Habitats: small, non-migratory, permanent resident of coastal sage scrub, small, non-migratory, permanent resident of coastal sage scrub                                                                                                                                                                                                                                                                                                                                         | Yes                                                                    | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| <i>Rallus obsoletus levipes</i> (=Rallus longirostris levipes)                                                                                                                                                                                                                          | light-footed rail (=light-footed clapper rail)    | FE, SE, fully protected                                   | -                                                     | Habitats: coastal southern California, freshwater marshes, although this is not common<br>Characteristics: require shallow water and mudflats for foraging                                                                                                                                                                                                                                                                                                                       | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| <i>Riparia riparia</i>                                                                                                                                                                                                                                                                  | bank swallow                                      | ST; S3                                                    | IUCN:LC                                               | Habitats: naturally eroding habitats of major lowland river systems, sandy, vertical bluffs or riverbanks<br>Characteristics: birds build nests within two to three-foot deep burrows that are dug perpendicularly into near vertical earthen banks along streams, coastal bluffs, and sand and gravel pits                                                                                                                                                                      | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| <i>Sternula antillarum browni</i> (=Sterna antillarum browni)                                                                                                                                                                                                                           | California least tern                             | FE, SE, fully protected Season of Concern: nesting colony | -                                                     | Habitats: bare or sparsely vegetated flat substrates, beaches or sandbars near the coast, nearby shallow water<br>Characteristics: near estuaries, bays, or harbors where small fish are abundant                                                                                                                                                                                                                                                                                | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                |
| <i>Vireo bellii pusillus</i>                                                                                                                                                                                                                                                            | least Bell's vireo                                | FE; SE; S3                                                | OC NCCP / HCP: Conditionally Covered Species          | Habitats: dry, intermittent streams, on the desert slopes mesquite (Prosopis sp.) and sandbar willow in canyon locations, willow-dominated riverine riparian habitats with well-developed overstories, understories, and low densities of aquatic and herbaceous cover                                                                                                                                                                                                           | Yes                                                                    | No                                                             | <b>Low potential to occur.</b> The BSA does not contain suitable habitat to support this species, however, this species has been observed (>3 years) within 2 miles of the BSA. |

| Scientific Name<br>(=Synonym)                                                                                                                                                                                                                    | Common Name (=Synonym)                                                          | Federal/State<br>Status        | Other Status                                | General Habitat Descriptions in California                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | The BSA:                                                               |                                                                | Potential For Occurrence in the BSA                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                  |                                                                                 |                                |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Located Within Species' Distribution and/or Elevation Range (if known) | Contains Suitable Foraging, Roosting, and/or Breeding Habitats |                                                                                                                                                                               |
| Listed Mammals                                                                                                                                                                                                                                   |                                                                                 |                                |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                        |                                                                |                                                                                                                                                                               |
| <i>Perognathus longimembris pacificus</i>                                                                                                                                                                                                        | Pacific pocket mouse                                                            | FE, SSC                        | OC NCCP/ HCP: Conditionally Covered Species | Habitats: open, shrubby vegetation, including coastal strand, coastal dunes, weedy vegetation on river alluvium, and open coastal sage scrub<br>Soil: fine-grained, sand soil and alluvial sands near the ocean                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                              |
| Sensitive Wildlife: These animals have no official status under the ESA and/or the CESA; however they are designated as sensitive or locally important by federal agencies, state agencies, and/or local conservation agencies and organizations |                                                                                 |                                |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                        |                                                                |                                                                                                                                                                               |
| Sensitive Invertebrates                                                                                                                                                                                                                          |                                                                                 |                                |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                        |                                                                |                                                                                                                                                                               |
| <i>Bombus pensylvanicus</i>                                                                                                                                                                                                                      | American bumble bee                                                             | Special Animals List, S2       | IUCN:VU                                     | Habitats: open farmlands and fields where it nests on the surface of the ground, among long grass, but occasionally underground; males congregate outside nest entrances in search of mates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                              |
| <i>Cicindela hirticollis gravida</i> (=Pacific Hairy-necked tiger beetle)                                                                                                                                                                        | sandy beach tiger beetle (=Pacific hairy-necked tiger beetle)                   | Special Animals List           | -                                           | Habitats: found in moist sand near the ocean, for example in swales behind dunes or upper beaches beyond normal high tides                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                              |
| <i>Cicindela latesignata</i>                                                                                                                                                                                                                     | western beach tiger beetle                                                      | Special Animals List, G2G3, S1 | -                                           | Habitats: salt marsh, mud flat, or other estuarine habitat and any other associated habitats (usually nearby beaches) where a adults and/or larvae or have recently occurred with potential for persistence or regular recurrence                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                              |
| <i>Coelus globosus</i>                                                                                                                                                                                                                           | globose dune beetle                                                             | Special Animals List           | -                                           | Habitats: foredunes and sand hummocks immediately bordering the coast from Bodega Bay Head to Ensenada, Baja California, and all of the Channel Islands except San Clemente Island                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                              |
| <i>Habroscelimorpha gabbii</i>                                                                                                                                                                                                                   | western tidal-flat tiger beetle                                                 | Special Animals List           | -                                           | Habitats: salty coastal habitats including salt marshes, tidal flats, beaches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                              |
| <i>Tryonia imitator</i>                                                                                                                                                                                                                          | mimic tryonia                                                                   | Special Animals List, G2, S2   | -                                           | Habitats: freshwater, herbaceous wetlands                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                              |
| Sensitive Fish                                                                                                                                                                                                                                   |                                                                                 |                                |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                        |                                                                |                                                                                                                                                                               |
| <i>Gila orcuttii</i>                                                                                                                                                                                                                             | arroyo chub                                                                     | S2; SSC; USFS:S                | AFS:VU; IUCN:VU                             | Habitats: slow-moving or backwater sections of warm to cool (10-24 C) streams with mud or sand substrates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Yes                                                                    | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                              |
| Sensitive Amphibians                                                                                                                                                                                                                             |                                                                                 |                                |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                        |                                                                |                                                                                                                                                                               |
| <i>Spea hammondi</i>                                                                                                                                                                                                                             | western spadefoot                                                               | FPT; S3S4; SSC                 | IUCN:NT; OC NCCP/ HCP: Identified Species   | Habitats: coastal sage scrub, open chaparral, pine-oak woodlands and grassland habitats, grasslands with vernal pools or mixed grassland/coastal sage scrub areas<br>Characteristics: upland habitats adjacent to potential breeding sites in burrows approximating 1 meter in depth                                                                                                                                                                                                                                                                                                                                                                                                              | Yes                                                                    | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                              |
| Sensitive Reptiles                                                                                                                                                                                                                               |                                                                                 |                                |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                        |                                                                |                                                                                                                                                                               |
| <i>Anniella stebbinsi</i>                                                                                                                                                                                                                        | southern California legless lizard                                              | S3; SSC                        | -                                           | Habitats: occurs in many habitats with sandy soil. Habitats: coastal sand dunes and a variety of interior habitats, including sandy washes and alluvial fans. Population occurs in Piute and Tehachapi mountains at elevation of 400-900 m in oak woodland and mixed conifer forest                                                                                                                                                                                                                                                                                                                                                                                                               | Yes                                                                    | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species, however, this species has been observed (>1 year) within 2 miles of the BSA. |
| <i>Arizona elegans occidentalis</i>                                                                                                                                                                                                              | California glossy snake                                                         | S2; SSC                        | -                                           | Habitats: all ecological zones, from the coast to the mountain foothills, light shrubby to barren desert, sagebrush flats, grassland, chaparral-covered slopes, and woodlands<br>Characteristics: refugia takes the form of mammal burrows, rock outcrops, and to a lesser extent under surface objects such as flat rocks and vegetation residue. Individuals occasionally burrow in loose soil.                                                                                                                                                                                                                                                                                                 | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                              |
| <i>Aspidoscelis hyperythra</i> (=Cnemidophorus hyperythrus beldingi)                                                                                                                                                                             | orange-throated whiptail                                                        | WL                             | OC NCCP/ HCP: Target Species                | Habitats: semi-arid brushy areas typically with loose soil and rocks, including washes, stream sides, rocky hillsides, and coastal chaparral<br>Characteristics: friable soil appears to be a necessary requirement for excavating burrows and hiding eggs                                                                                                                                                                                                                                                                                                                                                                                                                                        | Yes                                                                    | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species, however, this species has been observed (>1 year) within 2 mile of the BSA.  |
| <i>Aspidoscelis tigris stejnegeri</i> (=Cnemidophorus tigris multiscutatus)                                                                                                                                                                      | San Diegan whiptail (=coastal whiptail)                                         | S3; SSC                        | OC NCCP/ HCP: Identified Species            | Habitats: variety of ecosystems, primarily hot and dry open areas with sparse foliage such as deserts, chaparral and semiarid, found in open, often rocky areas with little vegetation or sunny microhabitats within shrub or grassland<br>Characteristics: ground may be firm soil, sandy, or rocky                                                                                                                                                                                                                                                                                                                                                                                              | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                              |
| <i>Crotalus ruber</i>                                                                                                                                                                                                                            | red diamond rattlesnake                                                         | SSC                            | OC NCCP/ HCP: Identified Species            | Habitats: arid scrub, coastal chaparral, oak and pine woodlands, rocky grassland, cultivated areas (it avoids the mountains above around 4,000 feet), to warm inland mesas and valleys<br>Characteristics: need rodent burrows, cracks in rocks or surface cover objects                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes                                                                    | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species, however, this species has been observed (>1 year) within 1 mile of the BSA.  |
| <i>Actinemys pallida</i> =(Emys marmorata pallida); =(Actinemys marmorata pallida); =(Clemmys marmorata pallida)                                                                                                                                 | southwestern pond turtle (=southern western pond turtle; = western pond turtle) | FPT; SSC; S3; G3G4             | IUCN:VU                                     | Habitat: A thoroughly aquatic turtle of small ponds, small lakes, marshes, rivers, intermittent streams, creeks, permanent and ephemeral shallow wetlands, stock ponds, sewage treatment lagoons, and irrigation ditches. Typically occurs with abundant aquatic vegetation, and either rocky or muddy bottoms. They are found below 6000 ft elevation in woodland, forest, and grassland habitats.<br>Microhabitat: Needs basking sites such as logs, rocks, cattail mats, grassy open fields and exposed banks. Also needs upland habitat up to 0.5 km from water for egg-laying. May enter brackish water and even seawater. Adjacent upland areas provide overwintering and estivation sites. | Yes                                                                    | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                              |
| <i>Phrynosoma blainvillii</i> (=Phrynosoma coronatum) (=Phrynosoma coronatum blainvillei)                                                                                                                                                        | Blainville's horned lizard (=coast horned lizard) (=San Diego horned lizard)    | S3; SSC                        | IUCN:LC; OC NCCP/ HCP: Identified Species   | Habitats: wide variety of vegetation types including coastal sage scrub, annual grassland, chaparral, oak woodland, riparian woodland and coniferous forest, habitats are loose, fine soils with a high sand fraction; an abundance of native ants or other insects; and open areas with limited overstory for basking and low                                                                                                                                                                                                                                                                                                                                                                    | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                              |
| <i>Thamnophis hammondi</i>                                                                                                                                                                                                                       | two-striped gartersnake                                                         | S3S4; SSC                      | IUCN:LC;                                    | Habitats: aquatic and it is rarely found far from water, permanent or semi-permanent bodies of freshwater and adjacent riparian habitat, oak woodlands, chaparral and coniferous forests on the coastal slopes of mountains and foothills to sea level                                                                                                                                                                                                                                                                                                                                                                                                                                            | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                              |
| Sensitive Birds                                                                                                                                                                                                                                  |                                                                                 |                                |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                        |                                                                |                                                                                                                                                                               |

| Scientific Name<br>(=Synonym)                               | Common Name (=Synonym)                          | Federal/State<br>Status    | Other Status                     | General Habitat Descriptions in California                                                                                                                                                                                                                                                                                                                                                                              | The BSA:                                                               |                                                                | Potential For Occurrence in the BSA                                                                                                                                                                                                               |
|-------------------------------------------------------------|-------------------------------------------------|----------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                             |                                                 |                            |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                         | Located Within Species' Distribution and/or Elevation Range (if known) | Contains Suitable Foraging, Roosting, and/or Breeding Habitats |                                                                                                                                                                                                                                                   |
| <i>Accipiter cooperii</i>                                   | Cooper's hawk                                   | WL; S4                     | IUCN:LC                          | Habitats: usually mature forest, mostly conifer, also near open woodland and forest edge; usually builds nest on horizontal limb near trunk 6-18m above ground<br>Characteristics: tolerant of human activities near the nest and is often seen nesting and feeding in urban/residential areas                                                                                                                          | Yes                                                                    | No                                                             | <b>Low potential to occur.</b> The BSA does not contain suitable habitat to support this species, however, this species has been observed (>1 year) within 1 mile of the BSA. Occurrence of this species would likely be restricted to pass over. |
| <i>Aimophila ruficeps canescens</i>                         | southern California rufous-crowned sparrow      | WL; S4                     | OC NCCP/ HCP: Identified Species | Habitats: dry, steep sloping land and hillsides with a moderate density of low, scattered shrubs, coastal sage scrub, interspersed with grasses and forbs and occasional rock outcrops for song perches<br>Characteristics: nests are placed in small depressions on the ground                                                                                                                                         | Yes                                                                    | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |
| <i>Ammodramus savannarum</i>                                | grasshopper sparrow                             | SSC,                       | -                                | Habitats: California breed (and primarily apparently winter) on slopes and mesas containing grasslands of varying compositions<br>Characteristics: avoid grassland areas with extensive shrub cover and the presence of native grasses is less important than the absence of trees                                                                                                                                      | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |
| <i>Buteo regalis</i>                                        | ferruginous hawk                                | WL, BCC                    | -                                | Habitats: in California only as winter visitor or a migrant, in September and depart by mid-April, open terrain, grasslands of plains and foothills, agricultural, and arid areas with an abundance of prey species<br>Characteristics: trees, utility poles, towers, fence posts, rocky outcrops, cliffs, and ground are perching substrates used by ferruginous hawks                                                 | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |
| <i>Campylorhynchus brunneicapillus sandiegensis</i>         | coastal cactus wren (=San Diego cactus wren)    | BCC                        | OC NCCP/ HCP: Target Species     | Habitats: coastal sage scrub plant community in which cacti are prominent<br>Characteristics: usually absent from areas where only low, sprawling cacti grow                                                                                                                                                                                                                                                            | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |
| <i>Coturnicops noveboracensis</i>                           | yellow rail                                     | SSC, BCC                   | -                                | Habitats: large wet meadows or shallow marshes dominated by sedges and grasses<br>Characteristics: nest is shallow cup of sedges and grasses                                                                                                                                                                                                                                                                            | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |
| <i>Eremophila alpestris actia</i>                           | California horned lark                          | WL                         | -                                | Habitats: grasslands along the coast and deserts near sea level to alpine dwarf-shrub habitat above treeline<br>Characteristics: mostly eats insects, snails, and spiders during breeding season; adds grass and forb seeds and other plant matter to diet at other seasons. Grasses, shrubs, forbs, rocks, litter, clods of soil, and other surface irregularities provide cover.                                      | Yes                                                                    | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |
| <i>Icteria virens</i>                                       | yellow-breasted chat                            | SSC; S4                    | -                                | Habitats: dense riparian thickets of willows, vines, and brush associated with streams and other wetland habitats<br>Characteristics: nest is an open cup placed in dense shrubs or thickets within 3 to 8 feet above ground along a stream or river                                                                                                                                                                    | Yes                                                                    | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |
| <i>Pandion haliaetus</i>                                    | osprey                                          | WL                         | -                                | Habitats: rivers, large streams, lakes, reservoirs, marshes, bays, estuaries, and surf zones<br>Characteristics: nests are usually within 1,312 feet of fish-producing water                                                                                                                                                                                                                                            | Yes                                                                    | No                                                             | <b>Low potential to occur.</b> The BSA does not contain suitable habitat to support this species, however, this species has been observed (>1 year) within 2 mile of the BSA. Occurrence of this species would likely be restricted to pass over. |
| <i>Setophaga petechia</i><br>(= <i>Dendroica petechia</i> ) | yellow warbler                                  | SSC, BCC                   | -                                | Habitats: deciduous trees of the riparian woodland from coastal desert woodlands to the Sierra Nevada – willows ( <i>Salix</i> sp.), cottonwoods ( <i>Populus</i> sp.), aspens ( <i>Populus</i> sp.), California sycamores ( <i>Platanus racemosa</i> ), and alders ( <i>Alnus</i> sp.)<br>Characteristics: nests are deep cups, placed in an upright fork in a deciduous sapling or shrub, typically 2 to 16 feet high | Yes                                                                    | No                                                             | <b>Low potential to occur.</b> The BSA does not contain suitable habitat to support this species, however, this species has been observed (>1 year) within 12mile of the BSA. Occurrence of this species would likely be restricted to pass over. |
| Sensitive Mammals                                           |                                                 |                            |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                        |                                                                |                                                                                                                                                                                                                                                   |
| <i>Antrozous pallidus</i>                                   | pallid bat                                      | SSC; S3                    | IUCN:LC; WBWG:H                  | Habitats: variety of habitats is occupied by pallid bats, including deserts, grasslands, shrublands, woodlands, and forests from sea level up through mixed conifer forests<br>Characteristics: night roosts may be in more open sites, such as porches and open buildings                                                                                                                                              | Yes                                                                    | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |
| <i>Chaetodipus californicus femoralis</i>                   | Dulzura pocket mouse (=California pocket mouse) | SSC                        | -                                | Habitats: coastal scrub, chaparral and grassland, dense patches of chaparral with only small openings<br>Characteristics: edges between shrubs and open areas with sparse herbaceous plants show high use                                                                                                                                                                                                               | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |
| <i>Eumops perotis californicus</i>                          | western mastiff bat                             | S3S4; SSC                  | WBWG:H                           | Habitats: low-lying desert areas of southern California, desert riparian, desert wash, desert scrub, desert succulent shrub, alkali desert scrub, palm oasis, conifer and deciduous woodlands, coastal scrub, annual and perennial grassslands, chaparral, urban. Roosts in crevices in cliff faces, high buildings, trees, and tunnels<br>Characteristics: bats often are found in large groups                        | Yes                                                                    | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |
| <i>Lasiurus cinereus</i>                                    | hoary bat                                       | S4                         | IUCN:LC; WBWG:M                  | Habitats: near open grassy areas in coniferous and deciduous forest or near lakes, open habitats or habitat mosaics, with access to trees for cover and open areas or habitat edges for feeding<br>Characteristics: winter roosts include sides of buildings and tree trunks                                                                                                                                            | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |
| <i>Myotis yumanensis</i>                                    | Yuma myotis (=Yuma bat)                         | BLMS, Special Animals List | -                                | Habitats: open forests and woodlands<br>Characteristics: forage around marshes on moist shorelines                                                                                                                                                                                                                                                                                                                      | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |
| <i>Neotoma lepida intermedia</i>                            | San Diego desert woodrat                        | SSC                        | OC NCCP/ HCP: Identified Species | Habitats: variety of shrub and desert habitats primarily associated with rock outcroppings, boulders, cacti, or areas of dense undergrowth<br>Characteristics: cactus patches are also a favorite den site                                                                                                                                                                                                              | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |
| <i>Nyctinomops macrotis</i>                                 | big free-tailed bat                             | S3; SSC                    | IUCN:LC; WBWG:MH                 | Habitats: rugged, rocky habitats in arid landscapes, located in a variety of plant associations including desert shrub, woodlands, and evergreen forests. This bat roosts mainly in the crevices of cliff rocks although May 28, 2024 roost in buildings, caves, and tree cavities.<br>Characteristics: appears to be associated with lowlands primarily below 5,900 ft in the southwestern U.S.                        | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |
| <i>Sorex ornatus salicornicus</i>                           | southern California saltmarsh shrew             | SSC                        | -                                | Habitats: coastal marshes<br>Characteristics: require fairly dense vegetation and woody debris for cover                                                                                                                                                                                                                                                                                                                | No                                                                     | No                                                             | <b>Not expected to occur.</b> The BSA does not contain suitable habitat to support this species.                                                                                                                                                  |

Legend and Notes

Federal Endangered Species Act (ESA) Listing Codes:

- **FE** = federally listed as endangered: any species of plant or animal that is in danger of extinction throughout all or a significant portion of their range.
- **FT** = federally listed as threatened: any species of plant or animal that is considered likely to become endangered throughout all or a significant portion of its range within the foreseeable future.
- **FC** = federal candidate for listing: candidate species are plants and animals for which the USFWS has sufficient information on their biological status and threats to propose them for listing as endangered or threatened under the ESA, but for which development of a proposed listing regulation is precluded by higher priority listing actions to address species in greater need. A proposed regulation has not yet been published in the Federal Register for these species.
- **FPE** = federally proposed for listing as endangered: a candidate species that has been proposed by USFWS or NMFS for listing as endangered and the proposed rule, but not a final rule, to list has been published in the Federal Register.
- **FPT** = federally proposed for listing as threatened: a candidate species that has been proposed by USFWS or NMFS for listing as threatened and the proposed rule, but not a final rule, to list has been published in the Federal Register.
- **FPD** = federally proposed for delisting: a species that has been proposed by USFWS or NMFS for delisting (or down listing from endangered to threatened) and the proposed rule to delist has been published in the Federal Register.
- **FDR** = federally delisted as a result of population recovery

California Endangered Species Act (CESA) Listing Codes:

| Scientific Name<br>(=Synonym) | Common Name (=Synonym) | Federal/State<br>Status | Other Status | General Habitat Descriptions in California | The BSA:                                                               |                                                                | Potential For Occurrence in the BSA |
|-------------------------------|------------------------|-------------------------|--------------|--------------------------------------------|------------------------------------------------------------------------|----------------------------------------------------------------|-------------------------------------|
|                               |                        |                         |              |                                            | Located Within Species' Distribution and/or Elevation Range (if known) | Contains Suitable Foraging, Roosting, and/or Breeding Habitats |                                     |

- **SE** = state-listed as endangered: "endangered species" means a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant which is in serious danger of becoming extinct throughout all, or a significant portion, of its range due to one or more causes, including loss of habitat, change in habitat, overexploitation, predation, competition, or disease (Fish and Game Code § 2062).
- **ST** = state-listed as threatened: "threatened species" means a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that, although not presently threatened with extinction, is likely to become an endangered species in the foreseeable future in the absence of the special protection and management efforts (Fish and Game Code § 2067).
- **SC**= state candidate for listing as threatened or endangered: a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that the Fish and Game Commission has formally noticed published in the California Regulatory Notice Register as being under review by CDFW for addition to the list of endangered species, or a species for which the Fish and Game Commission has published a notice of proposed regulation to add the species to the list (Fish and Game Code § 2068).
- **SCD** = state candidate for delisting: a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that the Fish and Game Commission has formally noticed published in the California Regulatory Notice Register as being under review by CDFW for removal from either the list of endangered species or the list of threatened species, or a species for which the Fish and Game Commission has published a notice of proposed regulation to remove the species to either list.
- **SCE** = state candidate for listing as endangered: a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that the Fish and Game Commission has formally noticed published in the California Regulatory Notice Register as being under review by CDFW for addition to the list of endangered species, or a species for which the Fish and Game Commission has published a notice of proposed regulation to add the species to the list (Fish and Game Code § 2068).
- **SCT** = state candidate for listing as threatened: a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that the Fish and Game Commission has formally noticed by publication in the California Regulatory Notice Register as being under review by CDFW for addition to the list of threatened species, or a species for which the Fish and Game Commission has published a notice of proposed regulation to add the species to the list (Fish and Game Code § 2068).

California Department of Fish and Wildlife (CDFW) Designations:

- **SSC** = species of special concern: a species of special concern is a species, subspecies, or distinct population of an animal (fish, amphibian, reptile, bird and mammal) native to California that currently satisfies one or more of the following (not necessarily mutually exclusive) criteria: is extirpated from the state or, in the case of birds, in its primary seasonal or breeding role; is listed as federally-, but not state-, threatened or endangered; meets the state definition of threatened or endangered, but has not formally been listed; is experiencing, or formerly experienced, serious (noncyclical) population declines or range retractions (not reversed) that, if continued or resumed, could qualify it for state threatened or endangered status; has naturally small populations exhibiting high susceptibility to risk from any factor(s), that if realized, could lead to declines that would qualify it for state threatened or endangered status.
- **Fully protected**: fully protected animal species may not be taken or possessed at any time and no licenses or permits may be issued for their take except for collecting these species for necessary scientific research and relocation of the bird species for the protection of livestock. Lists were created for fish (Fish and Game Code § 5515), amphibians and reptiles (Fish and Game Code § 5050), birds (Fish and Game Code § 3511) and mammals (Fish and Game Code § 4700).
- **WL** = watch list: consisting of taxa that were previously SSCs, but do not meet SSC criteria. These are species for which there is concern and a need for additional information to clarify status.
- **Special Animals List**: The Special Animals List contains taxa that are actively inventoried, tracked, and mapped by the CNDDB, as well as taxa for which mapped data may not yet be incorporated into CNDDB user products.

United States Fish and Wildlife Service (USFWS) Designations:

- **FSC** = federal species of concern: federal species of concern is an informal term. It is not defined in the ESA. The term commonly refers to species that are declining or appear to be in need of conservation.
- **BCC** = bird of conservation concern: a bird of conservation concern is listed in the USFWS' 2008 Birds of Conservation Concern report. The report identifies species, subspecies, and populations of all migratory and non-migratory bird species (beyond those already designated as federally threatened or endangered) that, without additional conservation actions, are likely to become candidates for listing under the ESA. While all of the bird species included in the report is priorities for conservation action, the list makes no finding with regard to whether they warrant consideration for ESA listing.

Western Bat Working Group (WBWG) Designations:

- **H = High Priority**: These species are considered the highest priority for funding, planning, and conservation actions, Information about status and threats to most species could result in effective conservation actions being implemented should a commitment to management exist. These species are imperiled or are at high risk of imperilment.
- **M = Medium Priority**: These species warrant closer evaluation, more research, and conservation actions of both the species and possible threats. A lack of meaningful information is a major obstacle in adequately assessing these species' status and should be considered a threat.