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## Appendix J

### Terrestrial Special-status Plant and Wildlife Scoping List

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Table J-1. Special-status aquatic wildlife and fish documented in the Project vicinity.

| Common Name<br>Scientific Name   | Status <sup>a</sup><br>Federal/<br>State/Forest<br>Service, Bureau of<br>Land Management | Query<br>Sources | Distribution   | Habitat Association   | Rational for<br>Inclusion/Exclusion In EIR   |
|--|--|------------------|--|---|--|
| <b>Fish</b>  |  |                  |  |   |  |
| Klamath largescale sucker<br><i>Catostomus snyderi</i>                                     | --/SSC/--  | CNDDB            | Resident fish observed in the Upper Klamath Basin. In California, they are found in Clear Lake Reservoir, Tule Lake, and the portion of the Lost River between them. | Although known to inhabit both lentic and lotic habitats, it seems to be primarily adapted to a riverine existence. | Not included in EIR. Not common within California portion of Area of Analysis              |
| shortnose sucker<br><i>Chasmistes brevirostris</i>   | FE/SE, SFP/--<br>Designated critical habitat   | CNDDB<br>USFWS   | Resident fish observed in the Upper Klamath Basin. In California, they are found in the Klamath River downstream to Copco Reservoir and Iron Gate Reservoir.         | Warm slow-moving waters or lakes. Spawning occurs along shorelines of lakes or tributaries.                         | Included in EIR. Critical habitat designated within California portion of Area of Analysis |
| Lost River sucker<br><i>Deltistes luxatus</i>  | FE/SE, SFP<br>Designated critical habitat within Area of Analysis                        | CNDDB<br>USFWS   | Resident fish observed in the Upper Klamath Basin. In California, they are found in the Klamath River downstream to Copco Reservoir and Iron Gate Reservoir.         | Warm slow-moving waters or lakes. Spawning occurs along shorelines of lakes or tributaries.                         | Included in EIR. Critical habitat designated within California portion of Area of Analysis |
| coho salmon, southern Oregon/northern California coasts ESU<br><i>Oncorhynchus kisutch</i> | FT/ST/--<br>Designated critical habitat within Area of Analysis                          | USFWS            | Within the Area of Analysis anadromous fish occurring downstream in the mainstem Klamath River and tributaries downstream of Iron Gate Dam                           | Streams; spawns in gravel riffles   | Included in EIR. Critical habitat designated within California portion of Area of Analysis |
| Chinook salmon - upper Klamath and Trinity Rivers ESU<br><i>Oncorhynchus tshawytscha</i>   | --/SSC/FSS   | CNDDB            | Within the Area of Analysis anadromous fish occurring downstream in the mainstem Klamath River and tributaries downstream of Iron Gate Dam                           | Streams; spawns in gravel riffles   | Included in EIR. Occurs within California portion of Area of Analysis                      |

| Common Name<br>Scientific Name                                   | Status <sup>a</sup><br>Federal/<br>State/Forest<br>Service, Bureau of<br>Land Management | Query<br>Sources | Distribution  | Habitat Association   | Rational for<br>Inclusion/Exclusion In EIR                            |
|--|--|------------------|---|---|---|
| coastal cutthroat trout<br><i>Oncorhynchus clarki clarki</i>     | --/SSC/FSS   | CNDDDB           | Within the Area of Analysis coastal cutthroat trout are distributed primarily within smaller tributaries to the lower 22 miles of the Klamath River mainstem above the estuary, but also within tributaries to the Trinity River. | Shaded streams with water temperatures below 18°C and small gravel for spawning   | Included in EIR. Occurs within California portion of Area of Analysis |
| summer-run steelhead trout<br><i>Oncorhynchus mykiss irideus</i> | --/SSC/--  | CNDDDB           | Within the Area of Analysis anadromous fish distributed throughout the Klamath River and in its tributaries, downstream from Iron Gate Dam  | Streams; spawns in gravel riffles   | Included in EIR. Occurs within California portion of Area of Analysis |
| longfin smelt<br><i>Spirinchus thaleichthys</i>                  | FC/ST, SSC/--  | CNDDDB           | Within the Area of Analysis anadromous fish found in Klamath River Estuary  | Adults in large bays, estuaries, and nearshore coastal areas; migrate into freshwater rivers to spawn; salinities of 15–30 ppt  | Included in EIR. Occurs within California portion of Area of Analysis |
| eulachon<br><i>Thaleichthys pacificus</i>                        | FT/--/--<br>Designated critical habitat within Area of Analysis                          | CNDDDB           | Within the Area of Analysis anadromous fish found in Klamath River Estuary  | Adults in large bays, estuaries, and nearshore coastal areas; migrate into freshwater rivers to spawn.  | Included in EIR. Occurs within California portion of Area of Analysis |
| tidewater goby<br><i>Eucyclogobius newberryi</i>                 | FE/SSC/--<br>No critical habitat designated in Area of Analysis                          | CNDDDB<br>USFWS  | Not currently found in Area of Analysis, critical habitat does not include Klamath River estuary  | Coastal lagoons and the uppermost zone of brackish large estuaries; prefer sandy substrate for spawning, but can be found on silt, mud, or rocky substrates; can occur in water up to 15 feet in lagoons and within a wide range of salinity (0–42 ppt) | Not included in EIR. Does not occur within of Area of Analysis        |

| Common Name<br>Scientific Name                              | Status <sup>a</sup><br>Federal/<br>State/Forest<br>Service, Bureau of<br>Land Management | Query<br>Sources          | Distribution   | Habitat Association  | Rational for<br>Inclusion/Exclusion In EIR   |
|---|--|---------------------------|--|--|--|
| <b>Aquatic Mollusks</b>                                     |  |                           |  |  |  |
| Chace juga snail<br><i>Juga chacei</i>                      | -/-/FSS  | USDA<br>Forest<br>Service | Not currently found in Area of<br>Analysis   | Mollusk found in small spring-fed<br>creeks and springs  | Not included in EIR. Does not<br>occur within of Area of<br>Analysis                     |
| Pristine spring snail<br><i>Pristinicola hemphilli</i>      | -/-/FSS  | USDA<br>Forest<br>Service | Not currently found in Area of<br>Analysis   | Mollusk found in small cold springs<br>or seeps which are in a pristine<br>condition and contain coarse<br>gravel/cobble substrate | Not included in EIR. Does not<br>occur within of Area of<br>Analysis                     |
| montane peaclam<br><i>Pisidium ultramontanum</i>            | -/-/FSS  | CNDDB                     | Within the Area of Analysis, they<br>have been found in Upper and<br>Lower Klamath Basin | Mollusk found in spring-influenced<br>streams, lakes, and pools and<br>strongly associated with sands or<br>small clean gravels    | Included in EIR. Occurs within<br>California portion of Area of<br>Analysis              |
| topaz juga<br><i>Juga acutifilosa</i>                       | -/-/FSS  | CNDDB                     | Not found within Area of Analysis  | Aquatic mollusk found in cold, well-<br>oxygenated, unpolluted water,<br>generally with stable gravel substrate                    | Not included in EIR. Does not<br>occur within of Area of<br>Analysis                     |
| Shasta crayfish<br><i>Pacifastacus fortis</i>               | FE/SE/--   | USFWS                     | Not found within Area of Analysis  | cool, clear, spring-fed headwaters<br>that are characterized by clean<br>volcanic cobbles and boulders on top<br>of gravel or sand | Not included in EIR. Does not<br>occur within of Area of<br>Analysis                     |
| <b>Aquatic Invertebrates</b>                                |  |                           |  |  |  |
| conservancy fairy shrimp<br><i>Branchinecta conservatio</i> | FE/--<br>No critical habitat<br>designated in Area<br>of Analysis                        | USFWS                     | Not found within Area of Analysis  | Large, deep vernal pools in annual<br>grasslands   | Not included in EIR. Vernal<br>pools not expected to occur<br>within of Area of Analysis |
| vernal pool fairy shrimp<br><i>Branchinecta lynchi</i>      | FT/--<br>No critical habitat<br>designated in Area<br>of Analysis                        | USFWS                     | Not found within Area of Analysis  | Vernal pools; also found in<br>sandstone rock outcrop pools  | Not included in EIR. Vernal<br>pools not expected to occur<br>within of Area of Analysis |
| vernal pool tadpole shrimp<br><i>Lepidurus packardi</i>     | FE/--<br>No critical habitat<br>designated in<br>Project Area                            | USFWS                     | Not found within Area of Analysis  | Vernal pools and ephemeral stock<br>ponds  | Not included in EIR. Vernal<br>pools not expected to occur<br>within of Area of Analysis |

| Common Name<br>Scientific Name  | Status <sup>a</sup><br>Federal/<br>State/Forest<br>Service, Bureau of<br>Land Management | Query<br>Sources | Distribution                      | Habitat Association  | Rational for<br>Inclusion/Exclusion In EIR                           |
|---|--|------------------|-----------------------------------|--|--|
| <b>Reptiles</b>   |  |                  |                                   |  |  |
| olive (=Pacific) ridley sea<br>turtle<br><i>Lepidochelys olivacea</i> | FT/-<br>No critical habitat<br>designated in<br>Project Area                             | NMFS             | Not found within Area of Analysis | Within pelagic zone as well as<br>coastal areas, including bays and<br>estuaries; nests on sandy ocean<br>beaches            | Not included in EIR. Does not<br>occur within of Area of<br>Analysis |
| green sea turtle<br><i>Chelonia mydas</i>                             | FT/-   | NMFS             | Not found within Area of Analysis | Uses convergence zones in the open<br>ocean and benthic feeding grounds<br>in coastal areas; nests on sandy<br>ocean beaches | Not included in EIR. Does not<br>occur within of Area of<br>Analysis |
| leatherback sea turtle<br><i>Dermochelys coriacea</i>                 | FE/-<br>No critical habitat<br>designated in Area<br>of Analysis                         | NMFS             | Not found within Area of Analysis | Pelagic, though also forages near<br>coastal waters  | Not included in EIR. Does not<br>occur within of Area of<br>Analysis |
| <b>Mammals</b>  |  |                  |                                   |  |  |
| right whale<br><i>Eubalaena (=Balaena)<br/>glacialis</i>              | FE/SFP<br>Critical habitat<br>(Designated)   | NMFS             | Pacific Ocean                     | Deep ocean waters  | Not included in EIR. Does not<br>occur within of Area of<br>Analysis |
| sei whale<br><i>Balaenoptera borealis</i>                             | FE/-   | NMFS             | Pacific Ocean                     | Deep ocean waters far from the<br>coastline  | Not included in EIR. Does not<br>occur within of Area of<br>Analysis |
| blue whale<br><i>Balaenoptera musculus</i>                            | FE/-   | NMFS             | Pacific Ocean                     | Deep ocean waters; also can be<br>found in coastal waters  | Not included in EIR. Rare<br>within of Area of Analysis              |
| fin whale<br><i>Balaenoptera physalus</i>                             | FE/-   | NMFS             | Pacific Ocean                     | Deep ocean waters  | Not included in EIR. Not<br>common within of Area of<br>Analysis     |
| humpback whale<br><i>Megaptera novaengliae</i>                        | FE/-   | NMFS             | Pacific Ocean                     | Deep ocean waters  | Not included in EIR. Not<br>common within of Area of<br>Analysis     |

| Common Name<br><i>Scientific Name</i>                        | Status <sup>a</sup><br>Federal/<br>State/Forest<br>Service, Bureau of<br>Land Management | Query<br>Sources | Distribution  | Habitat Association                                     | Rational for<br>Inclusion/Exclusion In EIR   |
|--|--|------------------|---------------|---|--|
| killer whale<br><i>Orcinus orca</i><br>Southern Resident DPS | FE/-<br>Critical habitat<br>(Designated)   | NMFS             | Pacific Ocean | Coastal habitats of temperate waters,<br>including bays | Included in EIR. Occur within<br>Area of Analysis, and partially<br>dependent on Chinook<br>salmon from Area of Analysis |
| sperm whale<br><i>Physeter macrocephalus</i>                 | FE/-   | NMFS             | Pacific Ocean | Deep ocean waters                                       | Not included in EIR. Does not<br>occur within of Area of<br>Analysis   |

<sup>a</sup> Status codes:

Federal

- FE = Listed as endangered under the federal Endangered Species Act
- FT = Listed as threatened under the federal Endangered Species Act
- FPE = Federally proposed as endangered
- FPT = Federally proposed as threatened
- FC = Federal candidate species
- FD = Federally delisted
- PD = Federally proposed for delisting
- BGEPA = Federally protected under the Bald and Golden Eagle Protection Act
- FSS = Forest Service Sensitive species
- BLMS = Bureau of Land Management Sensitive Species

State

- SE = Listed as Endangered under the California Endangered Species Act
- ST = Listed as Threatened under the California Endangered Species Act
- SCE = State Candidate Endangered
- SD = State Delisted
- SSC = CDFW Species of Special Concern
- SFP = CDFW Fully Protected species
- BOFS = Considered a sensitive species by the California Board of Forestry under the California Forest Practice Rules (14 CCR §895.1)

Table J-2. Special-status Plants Documented in the Project Vicinity.

| Common Name<br><i>Scientific Name</i>   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family        | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale                            |
|---|--|-----------------|---------------|-------------------------------|-----------------------------------|-------------------------------------|---|---|
| <b>Vascular Plants</b>  |  |                 |               |                               |                                   |                                     |   |   |
| Pacific silver fir<br><i>Abies amabilis</i>                                     | -/-/-/2B.3   | CNPS,<br>CNDDDB | Pinaceae      | perennial<br>evergreen tree   | N/A                               | 1,700–2,195                         | Upper montane<br>coniferous forest  | Excluded; outside<br>of the Primary<br>Area of Analysis <sup>4</sup><br>elevation range |
| pink sand-<br>verbena<br><i>Abronia<br/>umbellata</i> var.<br><i>breviflora</i> | -/-/-/BLMS/1B.1  | CNPS,<br>CNDDDB | Nyctaginaceae | perennial herb                | June–October                      | 0–10                                | Coastal dunes   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis                |
| Great Basin<br>onion<br><i>Allium<br/>atrorubens</i> var.<br><i>atrorubens</i>  | -/-/-/2B.3   | CNPS,<br>CNDDDB | Alliaceae     | perennial<br>bulbiferous herb | May–June                          | 1,200–2,315                         | Rocky or sandy soils<br>in Great Basin scrub<br>and pinyon and<br>juniper woodland  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range              |
| Siskiyou onion<br><i>Allium<br/>siskiyouense</i>                                | -/-/-/4.3  | CNPS            | Alliaceae     | perennial<br>bulbiferous herb | (April) May–July                  | 855–2,500                           | Rocky and<br>sometimes<br>serpentine soils in<br>lower montane<br>coniferous forest<br>and upper montane<br>coniferous forest                         | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis                |
| California<br>androsace<br><i>Androsace<br/>elongata</i> subsp.<br><i>acuta</i> | -/-/-/4.2  | CNPS            | Primulaceae   | annual herb                   | March–June                        | 150–1,305                           | Chaparral,<br>cismontane<br>woodland, coastal<br>scrub, meadows and<br>seeps, pinyon and<br>juniper woodland,<br>and valley and<br>foothill grassland | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis                |
| slender-stemmed<br>androsace<br><i>Androsace<br/>filiformis</i>                 | -/-/-/2B.3   | CNPS,<br>CNDDDB | Primulaceae   | annual herb                   | June–October                      | 1,800–1,830                         | Meadows and seeps<br>and upper montane<br>coniferous forest   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range              |

| Common Name<br>Scientific Name  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source           | Family       | Life-form                       | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale                                    |
|---|--|---------------------------|--------------|---------------------------------|-----------------------------------|-------------------------------------|---|---|
| sea-watch<br><i>Angelica lucida</i>                                     | -/-/-/4.2  | CNPS                      | Apiaceae     | perennial herb                  | May–September                     | 0–150                               | Coastal bluff scrub,<br>coastal dunes,<br>coastal scrub, and<br>coastal salt marshes<br>and swamps                                    | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis                        |
| evergreen<br>everlasting<br><i>Antennaria<br/>suffrutescens</i>         | -/-/-/4.3  | CNPS                      | Asteraceae   | perennial<br>stoloniferous herb | January–July                      | 500–1,600                           | Serpentine soils in<br>lower montane<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis                        |
| vanilla-grass<br><i>Anthoxanthum<br/>nitens</i> subsp.<br><i>nitens</i> | -/-/-/2B.3   | CNPS,<br>CNDDDB           | Poaceae      | perennial<br>rhizomatous herb   | April–July                        | 1,500–1,895                         | Mesic soils in<br>meadows and seeps   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range                      |
| Waldo rockcress<br><i>Arabis aculeolata</i>                             | -/-/-/2B.2   | CNPS,<br>CNDDDB           | Brassicaceae | perennial herb                  | April–June                        | 410–1,800                           | Serpentine soils in<br>broadleaved upland<br>forest, lower<br>montane coniferous<br>forest, and upper<br>montane coniferous<br>forest | Included;<br>documented<br>within the Primary<br>Area of Analysis<br>(CDFW 2017b <sup>5</sup> ) |
| McDonald's<br>rockcress<br><i>Arabis<br/>mcdonaldiana</i>               | FE/CE/FSS/<br>/1B.1  | CNPS,<br>CNDDDB,<br>USFWS | Brassicaceae | perennial herb                  | May–July                          | 135–1,800                           | Serpentine soils in<br>lower montane<br>coniferous forest<br>and upper montane<br>coniferous forest                                   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis                        |
| modest<br>rockcress<br><i>Arabis modesta</i>                            | -/-/-/4.3  | CNPS                      | Brassicaceae | perennial herb                  | March–July                        | 120–800                             | Chaparral and lower<br>montane coniferous<br>forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis                        |
| Oregon<br>rockcress<br><i>Arabis oregana</i>                            | -/-/-/4.3  | CNPS                      | Brassicaceae | perennial herb                  | May                               | 600–1,830                           | Serpentine soils in<br>chaparral and lower<br>montane coniferous<br>forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis                        |



| Common Name<br>Scientific Name                             | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source      | Family           | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|--|--|----------------------|------------------|-------------------------------|-----------------------------------|-------------------------------------|--|--|
| Howell's manzanita<br><i>Arctostaphylos hispidula</i>      | -/-/-/4.2  | CNPS                 | Ericaceae        | perennial<br>evergreen shrub  | March–April                       | 120–1,250                           | Serpentine or<br>sandstone soils in<br>chaparral   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Del Norte manzanita<br><i>Arctostaphylos nortensis</i>     | -/-/-/4.3  | CNPS                 | Ericaceae        | perennial<br>evergreen shrub  | February                          | 500–800                             | Often serpentine<br>soils in chaparral<br>and lower montane<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| serpentine arnica<br><i>Arnica cernua</i>                  | -/-/-/4.3  | CNPS                 | Asteraceae       | perennial<br>rhizomatous herb | April–July                        | 500–1,920                           | Serpentine soils in<br>lower montane<br>coniferous forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Klamath arnica<br><i>Arnica spathulata</i>                 | -/-/-/4.3  | CNPS                 | Asteraceae       | perennial<br>rhizomatous herb | May–August                        | 640–1,800                           | Serpentine soils in<br>lower montane<br>coniferous forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Mt. Shasta<br>arnica<br><i>Arnica viscosa</i>              | -/-/-/4.3  | CNPS                 | Asteraceae       | perennial<br>rhizomatous herb | August–<br>September              | 1,705–2,745                         | Rocky soils in<br>subalpine coniferous<br>forest and upper<br>montane coniferous<br>forest   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| marbled wild-<br>ginger<br><i>Asarum marmoratum</i>        | -/-/-/2B.3   | CNPS,<br>CNDDB       | Aristolochiaceae | perennial<br>rhizomatous herb | April–August                      | 200–1,800                           | Lower montane<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Applegate's Milk-<br>vetch<br><i>Astragalus applegatei</i> | FE/OE/-/-/-  | USFWS,<br>PacifiCorp | Fabaceae         | perennial herb                | June-August <sup>4</sup>          | ~1,250 <sup>5</sup>                 | Flat-lying,<br>seasonally moist,<br>strongly alkaline<br>soils dominated by<br>greasewood<br>( <i>Sarcobatus</i><br><i>vermiculatus</i> ) with<br>sparse, native bunch<br>grasses and patches<br>of bare soil <sup>6</sup> | Excluded; range<br>restricted to<br>Oregon                                 |

| Common Name<br>Scientific Name                                     | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family        | Life-form                    | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|--|--|-----------------|---------------|------------------------------|-----------------------------------|-------------------------------------|--|--|
| Bald Mountain<br>milk-vetch<br><i>Astragalus<br/>umbraticus</i>    | -/-/-/2B.3   | CNPS,<br>CNDDDB | Fabaceae      | perennial herb               | May–August                        | 150–1,250                           | Sometimes on<br>roadsides in<br>cismontane<br>woodland and lower<br>montane coniferous<br>forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| woolly<br>balsamroot<br><i>Balsamorhiza<br/>lanata</i>             | -/-/-/BLMS/1B.2  | CNPS,<br>CNDDDB | Asteraceae    | perennial herb               | April–June                        | 800–1,895                           | Rocky, volcanic soils<br>in cismontane<br>woodland   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| bensoniella<br><i>Bensoniella<br/>oregana</i>                      | -/CR/FSS/-/1B.1  | USFS            | Saxifragaceae | perennial herb               | May–July                          | 915–1,400                           | Bogs and fens,<br>lower montane<br>coniferous forest,<br>meadows and seeps   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| dwarf resin birch<br><i>Betula<br/>glandulosa</i>                  | -/-/-/2B.2   | CNPS,<br>CNDDDB | Betulaceae    | perennial<br>deciduous shrub | May–July                          | 1,300–2,300                         | Mesic soils in bogs<br>and fens, lower<br>montane coniferous<br>forest, meadows and<br>seeps, marshes and<br>swamps, and<br>subalpine coniferous<br>forest | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Koehler's<br>stipitate<br>rockcress<br><i>Boechea<br/>koehleri</i> | -/-/FSS/-/1B.3   | CNPS,<br>CNDDDB | Brassicaceae  | perennial herb               | (March) April–<br>July            | 155–1,660                           | Serpentine, rocky<br>soils in chaparral<br>and lower montane<br>coniferous forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Rolle's rockcress<br><i>Boechea rollei</i>                         | -/-/-/1B.1   | CNPS,<br>CNDDDB | Brassicaceae  | perennial herb               | August                            | 1,600–1,800                         | Peridotite rocks on<br>sparsely forested<br>slopes in upper<br>montane coniferous<br>forest  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |

| Common Name<br>Scientific Name                                   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family       | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale             |
|--|--|-----------------|--------------|-------------------------------|-----------------------------------|-------------------------------------|---|--|
| Bolander's reed<br>grass<br><i>Calamagrostis<br/>bolanderi</i>   | -/-/-/4.2  | CNPS            | Poaceae      | perennial<br>rhizomatous herb | May–August                        | 0–455                               | Mesic soils in bogs<br>and fens,<br>broadleaved upland<br>forest, closed-cone<br>coniferous forest,<br>coastal scrub,<br>meadows and<br>seeps, freshwater<br>marshes and<br>swamps, and North<br>Coast coniferous<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| Thurber's reed<br>grass<br><i>Calamagrostis<br/>crassiglumis</i> | -/-/-/2B.1   | CNPS,<br>CNDDDB | Poaceae      | perennial<br>rhizomatous herb | May–August                        | 10–60                               | Mesic soils in<br>coastal scrub and<br>freshwater marshes<br>and swamps   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| leafy reed grass<br><i>Calamagrostis<br/>foliosa</i>             | -/CR-/BLMS/4.2   | CNPS,<br>CNDDDB | Poaceae      | perennial herb                | May–September                     | 0–1,220                             | Rocky soils in<br>coastal bluff scrub<br>and North Coast<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| Alaska cedar<br><i>Callitropsis<br/>nootkatensis</i>             | Petition to list/-/<br>-/4.3                               | CNPS            | Cupressaceae | perennial<br>evergreen tree   |                                   | 650–2,500                           | Upper montane<br>coniferous forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |

| Common Name<br>Scientific Name                                       | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source               | Family     | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale   |
|--|--|-------------------------------|------------|-------------------------------|-----------------------------------|-------------------------------------|--|--|
| Greene's<br>mariposa lily<br><i>Calochortus<br/>greenei</i>          | -/-<br>/FSS/BLMS/1B.2                                      | CNPS,<br>CNDDB,<br>PacifiCorp | Liliaceae  | perennial<br>bulbiferous herb | June–August                       | 1,035–1,890                         | Volcanic soils in<br>cismontane<br>woodland, meadows<br>and seeps, pinyon<br>and juniper<br>woodland, and<br>upper montane<br>coniferous forest  | Included;<br>documented<br>during PacifiCorp<br>surveys at Iron<br>Gate Reservoir<br>and also known to<br>occur at Copco<br>Reservoir and<br>along J.C. Boyle<br>peaking reach<br>(PacifiCorp<br>2004a <sup>7</sup> ). Several<br>occurrences on<br>CNDDB along<br>Klamath River<br>(2017b). |
| single-flowered<br>mariposa lily<br><i>Calochortus<br/>monanthus</i> | -/-/-/BLMS/1A  | CNPS,<br>CNDDB                | Liliaceae  | perennial<br>bulbiferous herb | June                              | 745–800                             | Meadows and seeps  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Siskiyou<br>mariposa lily<br><i>Calochortus<br/>persistens</i>       | -<br>/CR/FSS/BLMS/1<br>B.2                                 | CNPS,<br>CNDDB                | Liliaceae  | perennial<br>bulbiferous herb | June–July                         | 1,000–1,860                         | Rocky, acidic soils in<br>lower montane<br>coniferous forest<br>and North Coast<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| small-flowered<br>calycadenia<br><i>Calycadenia<br/>micrantha</i>    | -/-/FSS/-/1B.2   | USFS                          | Asteraceae | annual herb                   | June-September                    | 5–1,500                             | Roadsides, rocky,<br>talus, scree,<br>sometimes<br>serpentine soils and<br>sparsely vegetated<br>areas in chaparral,<br>volcanic meadows<br>and seeps, and<br>valley and foothill<br>grassland | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |

| Common Name<br>Scientific Name   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family       | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|--|--|-----------------|--------------|-------------------------------|-----------------------------------|-------------------------------------|---|--|
| seaside<br>bittercress<br><i>Cardamine<br/>angulata</i>                          | -/-/-/2B.1   | CNPS,<br>CNDDDB | Brassicaceae | perennial herb                | (January)<br>March–July           | 25–915                              | Wet areas and<br>streambanks in<br>lower montane<br>coniferous forest<br>and North Coast<br>coniferous forest                                     | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| fleshy toothwort<br><i>Cardamine<br/>bellidifolia</i> var.<br><i>pachyphylla</i> | -/-/-/4.3  | CNPS            | Brassicaceae | perennial herb                | June–August                       | 1,900–2,835                         | Rocky soils, talus<br>and scree in alpine<br>boulder and rock<br>field, subalpine<br>coniferous forest,<br>and upper montane<br>coniferous forest | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Buxbaum's<br>sedge<br><i>Carex buxbaumii</i>                                     | -/-/-/4.2  | CNPS            | Cyperaceae   | perennial<br>rhizomatous herb | March–August                      | 3–3,300                             | Bogs and fens,<br>mesic soils in<br>meadows and<br>seeps, and marshes<br>and swamps   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Geyer's sedge<br><i>Carex geyeri</i>   | -/-/-/4.2  | CNPS            | Cyperaceae   | perennial<br>rhizomatous herb | May–August                        | 1,155–2,195                         | Great Basin scrub<br>and lower montane<br>coniferous forest   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Oregon sedge<br><i>Carex halliana</i>  | -/-/-/2B.3   | CNPS,<br>CNDDDB | Cyperaceae   | perennial<br>rhizomatous herb | (May) July–<br>September          | 1,370–2,105                         | Often pumice soils in<br>meadows and<br>seeps, subalpine<br>coniferous<br>forest, and upper<br>montane coniferous<br>forest                       | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| porcupine sedge<br><i>Carex hystericina</i>                                      | -/-/-/2B.1   | CNPS            | Cyperaceae   | perennial<br>rhizomatous herb | May–June                          | 610–915                             | Streambanks in<br>marshes and<br>swamps   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |

| Common Name<br>Scientific Name                                      | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family     | Life-form                  | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale    |
|---|--|-----------------|------------|----------------------------|-----------------------------------|-------------------------------------|--|---|
| lagoon sedge<br><i>Carex lenticularis</i><br>var. <i>limnophila</i> | -/-/-/2B.2   | CNPS,<br>CNDDDB | Cyperaceae | perennial herb             | June–August                       | 0–6                                 | Often gravelly soils along shores, beaches in bogs and fens, marshes and swamps, and North Coast coniferous forest           | Included; potential habitat within the Primary Area of Analysis |
| bristle-stalked sedge<br><i>Carex leptalea</i>                      | -/-/-/2B.2   | CNPS,<br>CNDDDB | Cyperaceae | perennial rhizomatous herb | March–July                        | 0–700                               | Bogs and fens, mesic areas of meadows and seeps, marshes and swamps  | Included; potential habitat within the Primary Area of Analysis |
| Lyngbye's sedge<br><i>Carex lyngbyei</i>                            | -/-/-/2B.2   | CNPS,<br>CNDDDB | Cyperaceae | perennial rhizomatous herb | April–August                      | 0–10                                | Brackish or freshwater marshes and swamps  | Included; potential habitat within the Primary Area of Analysis |
| northern meadow sedge<br><i>Carex praticola</i>                     | -/-/-/2B.2   | CNPS,<br>CNDDDB | Cyperaceae | perennial herb             | May–July                          | 0–3,200                             | Mesic areas of meadows and seeps   | Included; potential habitat within the Primary Area of Analysis |
| deceiving sedge<br><i>Carex saliniformis</i>                        | -/-/-/1B.2   | CNPS,<br>CNDDDB | Cyperaceae | perennial rhizomatous herb | June (July)                       | 3–230                               | Mesic soils in coastal prairie, coastal scrub, meadows and seeps, and coastal salt marshes and swamps                        | Included; potential habitat within the Primary Area of Analysis |
| Siskiyou sedge<br><i>Carex scabriuscula</i>                         | -/-/-/4.3  | CNPS            | Cyperaceae | perennial rhizomatous herb | May–July                          | 710–2,345                           | Mesic, sometimes serpentine soils in lower montane coniferous forest, meadows and seeps, and upper montane coniferous forest | Included; potential habitat within the Primary Area of Analysis |

| Common Name<br>Scientific Name   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family        | Life-form                         | Blooming<br>Period <sup>2,3</sup>       | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|--|--|-----------------|---------------|-----------------------------------|---|-------------------------------------|---|--|
| serpentine sedge<br><i>Carex<br/>serpenticola</i>  | -/-/-/2B.3   | CNPS,<br>CNDDDB | Cyperaceae    | perennial<br>rhizomatous herb     | March–May                               | 60–1,200                            | Mesic, serpentine<br>soils in meadows<br>and seeps  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| green yellow<br>sedge<br><i>Carex viridula</i><br>subsp. <i>viridula</i>                   | -/-/-/2B.3   | CNPS,<br>CNDDDB | Cyperaceae    | perennial herb                    | (June) July–<br>September<br>(November) | 0–1,600                             | Bogs and fens,<br>freshwater marshes<br>and swamps, and<br>mesic North Coast<br>coniferous forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Humboldt Bay<br>owl's-clover<br><i>Castilleja<br/>ambigua</i> var.<br><i>humboldtensis</i> | -/-/-/BLMS/1B.2  | CNPS,<br>CNDDDB | Orobanchaceae | annual herb<br>(hemiparasitic)    | April–August                            | 0–3                                 | Coatal salt marshes<br>and swamps   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| short-lobed<br>paintbrush<br><i>Castilleja<br/>brevilobata</i>                             | -/-/-/4.2  | CNPS            | Orobanchaceae | perennial herb<br>(hemiparasitic) | April–July                              | 120–1,700                           | Serpentine soils and<br>edges and openings<br>in lower montane<br>coniferous forest               | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Siskiyou<br>paintbrush<br><i>Castilleja elata</i>  | -/-/-/2B.2   | CNPS,<br>CNDDDB | Orobanchaceae | perennial herb<br>(hemiparasitic) | May–August                              | 0–1,750                             | Often serpentine<br>soils in bogs and<br>fens, and seeps in<br>lower montane<br>coniferous forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Oregon coast<br>paintbrush<br><i>Castilleja litoralis</i>                                  | -/-/-/2B.2   | CNPS,<br>CNDDDB | Orobanchaceae | perennial herb<br>(hemiparasitic) | June                                    | 15–100                              | Sandy soils in<br>coastal bluff scrub,<br>coastal dunes, and<br>coastal scrub                     | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| split-hair<br>paintbrush<br><i>Castilleja<br/>schizotricha</i>                             | -/-/-/4.3  | CNPS            | Orobanchaceae | perennial herb<br>(hemiparasitic) | July–August                             | 1,500–2,300                         | Decomposed<br>granitic or marble<br>soils in upper<br>montane coniferous<br>forest                | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |

| Common Name<br>Scientific Name  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family        | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|---|--|-----------------|---------------|-------------------------------|-----------------------------------|-------------------------------------|---|--|
| Shasta<br>chaenactis<br><i>Chaenactis<br/>suffrutescens</i>                       | -/-/-/1B.3   | CNPS            | Asteraceae    | perennial herb                | May–September                     | 750–2,800                           | Sandy, serpentine<br>soils in lower<br>montane coniferous<br>forest and upper<br>montane coniferous<br>forest             | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Wheeler's dune-<br>broom<br><i>Chaetadelpa<br/>wheeleri</i>                       | -/-/-/2B.2   | CNPS            | Asteraceae    | perennial<br>rhizomatous herb | April–September                   | 795–1,900                           | Sandy soils in desert<br>dunes, Great Basin<br>scrub, and Mojavean<br>desert scrub  | Excluded; no<br>habitat in the<br>Primary Area of<br>Analysis              |
| Hoover's Spurge<br><i>Chamaesyce<br/>hooveri</i>                                  | FT/-/-/1B.2  | USFWS           | Euphorbiaceae | annual herb                   | July–September<br>(October)       | 25–250                              | Vernal pools  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Pacific golden<br>saxifrage<br><i>Chrysosplenium<br/>glechomifolium</i>           | -/-/-/4.3  | CNPS            | Saxifragaceae | perennial herb                | February–June                     | 10–220                              | Streambanks,<br>sometimes seeps,<br>sometimes<br>roadsides in North<br>Coast coniferous<br>forest, and riparian<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Ashland thistle<br><i>Cirsium<br/>ciliolatum</i>                                  | -/CE/<br>/BLMS/2B.1  | CNPS,<br>CNDDB  | Asteraceae    | perennial herb                | June–August                       | 800–1,400                           | Cismontane<br>woodland and valley<br>and foothill<br>grassland  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Hillman's<br>cleomella<br><i>Cleomella<br/>hillmanii</i> var.<br><i>hillmanii</i> | -/-/-/2B.2   | CNPS,<br>CNDDB  | Cleomaceae    | annual herb                   | April–June                        | 1,220–1,220                         | Clay soils in<br>chenopod scrub and<br>Great Basin scrub  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Tracy's collomia<br><i>Collomia tracyi</i>  | -/-/-/4.3  | CNPS            | Polemoniaceae | annual herb                   | June–July                         | 300–2,100                           | Rocky, sometimes<br>serpentine soils in<br>broadleaved upland<br>forest and lower<br>montane coniferous<br>forest         | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |



| Common Name<br>Scientific Name                                       | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family         | Life-form                                      | Blooming<br>Period <sup>2,3</sup>                   | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale             |
|--|--|-----------------|----------------|--|---|-------------------------------------|--|--|
| Oregon<br>goldthread<br><i>Coptis laciniata</i>                      | -/-/-/4.2  | CNPS,<br>CNDDB  | Ranunculaceae  | perennial<br>rhizomatous herb                  | (February)<br>March–May<br>(September–<br>November) | 0–1,000                             | Mesic soils in<br>meadows and seeps<br>and streambanks in<br>North Coast<br>coniferous forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| bunchberry<br><i>Cornus<br/>canadensis</i>                           | -/-/-/2B.2   | CNPS,<br>CNDDB  | Cornaceae      | perennial<br>rhizomatous herb                  | May–July  | 60–1,920                            | Bogs and fens,<br>meadows and<br>seeps, and North<br>Coast coniferous<br>forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| California lady's-<br>slipper<br><i>Cypripedium<br/>californicum</i> | -/-/-/4.2  | CNPS            | Orchidaceae    | perennial<br>rhizomatous herb                  | April–August<br>(September)                         | 30–2,750                            | Usually serpentine<br>soils in bogs and<br>fens, seeps and<br>streambanks and<br>lower montane<br>coniferous forest                    | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| clustered lady's-<br>slipper<br><i>Cypripedium<br/>fasciculatum</i>  | -/-/FSS/-/4.2  | CNPS            | Orchidaceae    | perennial<br>rhizomatous herb                  | March–August  | 100–2,435                           | Usually serpentine<br>soils in seeps and<br>streambanks, lower<br>montane coniferous<br>forest and North<br>Coast coniferous<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| mountain lady's-<br>slipper<br><i>Cypripedium<br/>montanum</i>       | -/-/FSS/-/4.2  | CNPS            | Orchidaceae    | perennial<br>rhizomatous herb                  | March–August  | 185–2,225                           | Broadleafed upland<br>forest, cismontane<br>woodland, lower<br>montane coniferous<br>forest, and North<br>Coast coniferous<br>forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| California<br>pitcherplant<br><i>Darlingtonia<br/>californica</i>    | -/-/-/4.2  | CNPS            | Sarraceniaceae | perennial<br>rhizomatous herb<br>(carnivorous) | April–August  | 0–2,585                             | Serpentine soils in<br>bogs and fens, and<br>meadows and seeps   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |

| Common Name<br>Scientific Name  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family       | Life-form                    | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale      |
|---|--|-----------------|--------------|------------------------------|-----------------------------------|-------------------------------------|---|---|
| Oregon bleeding heart<br><i>Dicentra formosa</i><br>subsp. <i>oregana</i> | -/-/-/4.2  | CNPS            | Papaveraceae | perennial herb               | April–May                         | 425–1,485                           | Serpentine soils in lower montane coniferous forest   | Included; potential habitat within the Primary Area of Analysis   |
| Mt. Eddy draba<br><i>Draba carnosula</i>                                  | -/-/FSS/-/1B.3   | CNPS,<br>CNDDDB | Brassicaceae | perennial herb               | July–August                       | 1,935–3,000                         | Serpentine, rocky soils in subalpine coniferous forest and upper montane coniferous forest                            | Included; potential habitat within the Primary Area of Analysis   |
| black crowberry<br><i>Empetrum nigrum</i>                                 | -/-/-/2B.2   | CNPS,<br>CNDDDB | Empetraceae  | perennial evergreen shrub    | April–June                        | 10–200                              | Coastal bluff scrub and coastal prairie   | Included; potential habitat within the Primary Area of Analysis   |
| yellow willowherb<br><i>Epilobium luteum</i>                              | -/-/-/2B.3   | CNPS,<br>CNDDDB | Onagraceae   | perennial stoloniferous herb | July–September                    | 1,500–2,195                         | Along streams and seeps in lower montane coniferous forest and in meadows and seeps                                   | Excluded; outside of the Primary Area of Analysis elevation range |
| Oregon fireweed<br><i>Epilobium oreganum</i>                              | -/-<br>/FSS/BLMS/1B.2                                      | CNPS,<br>CNDDDB | Onagraceae   | perennial herb               | June–September                    | 500–2,240                           | Mesic soils in bogs and fens, lower montane coniferous forest, meadows and seeps, and upper montane coniferous forest | Included; potential habitat within the Primary Area of Analysis   |
| Siskiyou Mountains willowherb<br><i>Epilobium rigidum</i>                 | -/-/-/4.3  | CNPS            | Onagraceae   | perennial herb               | July–August                       | 150–1,200                           | Serpentine soils in lower montane coniferous forest   | Included; potential habitat within the Primary Area of Analysis   |
| Humboldt County fuchsia<br><i>Epilobium septentrionale</i>                | -/-/-/4.3  | CNPS            | Onagraceae   | perennial herb               | July–September                    | 45–1,800                            | Sandy or rocky soils in broadleaved upland forest and North Coast coniferous forest                                   | Included; potential habitat within the Primary Area of Analysis   |

| Common Name<br>Scientific Name  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family       | Life-form                    | Blooming<br>Period <sup>2,3</sup>    | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|---|--|-----------------|--------------|------------------------------|--------------------------------------|-------------------------------------|--|--|
| Siskiyou<br>fireweed<br><i>Epilobium<br/>siskiyouense</i>                                   | -/-/-/BLMS/1B.3  | CNPS,<br>CNDDB  | Onagraceae   | perennial herb               | July–September                       | 1,700–2,500                         | Rocky, serpentine<br>soils in alpine<br>boulder and rock<br>field, subalpine<br>coniferous forest,<br>and upper montane<br>coniferous forest | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Pine Creek<br>evening-primrose<br><i>Eremothera<br/>boothii</i> subsp.<br><i>alyssoides</i> | -/-/-/4.3  | CNPS            | Onagraceae   | annual herb                  | April–August                         | 600–1,700                           | Sandy or gravelly<br>soils in Great Basin<br>scrub   | Excluded; no<br>habitat in the<br>Primary Area of<br>Analysis              |
| Nelson's<br>evening-primrose<br><i>Eremothera<br/>minor</i>                                 | -/-/-/2B.3   | CNPS,<br>CNDDB  | Onagraceae   | annual herb                  | April–July                           | 1,200–1,380                         | Chenopod scrub,<br>sandy soils in Great<br>Basin scrub   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Waldo daisy<br><i>Erigeron<br/>bloomeri</i> var.<br><i>nudatus</i>                          | -/-/-/2B.3   | CNPS,<br>CNDDB  | Asteraceae   | perennial herb               | June–July                            | 600–2,300                           | Serpentine soils in<br>lower montane<br>coniferous forest<br>and upper montane<br>coniferous forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Mad River<br>fleabane daisy<br><i>Erigeron<br/>maniopotamicus</i>                           | -/-/FSS/-/1B.2   | USFS            | Asteraceae   | perennial herb               | May–August                           | 1,275–1,500                         | Open, disturbed<br>areas including road<br>cuts, rocky soils in<br>lower montane<br>coniferous forest<br>and meadows and<br>seeps            | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Congdon's<br>buckwheat<br><i>Eriogonum<br/>congdonii</i>                                    | -/-/-/4.3  | CNPS            | Polygonaceae | perennial<br>deciduous shrub | (May) June–<br>August<br>(September) | 800–2,345                           | Serpentine soils in<br>rocky openings in<br>lower montane<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Jaynes Canyon<br>buckwheat<br><i>Eriogonum<br/>diclinum</i>                                 | -/-/-/2B.3   | CNPS,<br>CNDDB  | Polygonaceae | perennial herb               | June–September                       | 1,700–2,400                         | Often serpentine<br>soils in upper<br>montane coniferous<br>forest   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |

| Common Name<br>Scientific Name   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family       | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale                      |
|--|--|-----------------|--------------|-------------------------------|-----------------------------------|-------------------------------------|--|---|
| Klamath<br>Mountain<br>buckwheat<br><i>Eriogonum<br/>hirtellum</i>                   | -/-/FSS/-/1B.3   | CNPS,<br>CNDDDB | Polygonaceae | perennial<br>rhizomatous herb | July–September                    | 610–1,900                           | Serpentine soils in<br>chaparral, lower<br>montane coniferous<br>forest, and upper<br>montane coniferous<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Del Norte<br>buckwheat<br><i>Eriogonum<br/>nudum</i> var.<br><i>paralinum</i>        | -/-/-/-/2B.2   | CNPS,<br>CNDDDB | Polygonaceae | perennial herb                | June–September                    | 5–80                                | Coastal bluff scrub<br>and coastal prairie   | Included;<br>documented<br>within the Primary<br>Area of Analysis<br>(CDFW 2017b) |
| Dugway wild<br>buckwheat<br><i>Eriogonum<br/>nutans</i> var.<br><i>nutans</i>        | -/-/-/-/2B.3   | CNPS,<br>CNDDDB | Polygonaceae | annual herb                   | May–September<br>(October)        | 1,220–3,000                         | Sandy or gravelly<br>soils in chenopod<br>scrub and Great<br>Basin scrub   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range        |
| Siskiyou<br>buckwheat<br><i>Eriogonum<br/>siskiyouense</i>                           | -/-/-/-/4.3  | CNPS            | Polygonaceae | perennial herb                | (June) July–<br>September         | 970–2,740                           | Rocky, often<br>serpentine soils in<br>lower montane<br>coniferous forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| ternate<br>buckwheat<br><i>Eriogonum<br/>ternatum</i>                                | -/-/-/-/4.3  | CNPS            | Polygonaceae | perennial herb                | June–August                       | 305–2,225                           | Serpentine soils in<br>lower montane<br>coniferous forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| blushing wild<br>buckwheat<br><i>Eriogonum<br/>ursinum</i> var.<br><i>erubescens</i> | -/-/-/BLMS/1B.3  | CNPS,<br>CNDDDB | Polygonaceae | perennial herb                | June–September                    | 750–1,900                           | Rocky soils, scree,<br>and talus in montane<br>chaparral and lower<br>montane coniferous<br>forest                 | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| bluff wallflower<br><i>Erysimum<br/>concinnum</i>                                    | -/-/-/-/1B.2   | CNPS,<br>CNDDDB | Brassicaceae | annual / perennial<br>herb    | February–July                     | 0–185                               | Coastal bluff scrub,<br>coastal dunes, and<br>coastal prairie  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |

| Common Name<br>Scientific Name                          | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family       | Life-form                  | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale          |
|---|--|-----------------|--------------|----------------------------|-----------------------------------|-------------------------------------|---|---|
| Menzies' Wallflower<br><i>Erysimum menziesii</i>        | FT/CE/--/1B.1  | USFWS           | Brassicaceae | perennial herb             | March–September                   | 0–35                                | Coastal dunes   | Included; potential habitat within the Primary Area of Analysis       |
| Henderson's fawn lily<br><i>Erythronium hendersonii</i> | --/FSS/--/2B.3   | CNPS, CNDDDB    | Liliaceae    | perennial bulbiferous herb | April–July                        | 300–1,600                           | Lower montane coniferous forest   | Included; documented within the Primary Area of Analysis (CDFW 2017b) |
| Howell's fawn lily<br><i>Erythronium howellii</i>       | --/--/--/1B.3  | CNPS, CNDDDB    | Liliaceae    | perennial bulbiferous herb | April–May                         | 200–1,145                           | Sometimes serpentine soils in lower montane coniferous forest and North Coast coniferous forest | Included; potential habitat within the Primary Area of Analysis       |
| giant fawn lily<br><i>Erythronium oregonum</i>          | --/--/--/2B.2  | CNPS, CNDDDB    | Liliaceae    | perennial herb             | March–June (July)                 | 100–1,150                           | Sometimes serpentine soils and in rocky openings in cismontane woodland and meadows and seeps   | Included; documented within the Primary Area of Analysis (CDFW 2017b) |
| coast fawn lily<br><i>Erythronium revolutum</i>         | --/--/--/2B.2  | CNPS, CNDDDB    | Liliaceae    | perennial bulbiferous herb | March–July (August)               | 0–1,600                             | Bogs and fens, streambanks, broadleaved upland forest, and North Coast coniferous forest        | Included; potential habitat within the Primary Area of Analysis       |
| wayside aster<br><i>Eucephalus vialis</i>               | --/FSS/--/1B.2   | CNPS, CNDDDB    | Asteraceae   | perennial herb             | June–September                    | 910–1,545                           | Gravelly soils in lower montane coniferous forest and upper montane coniferous forest           | Included; potential habitat within the Primary Area of Analysis       |

| Common Name<br>Scientific Name   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source           | Family       | Life-form                     | Blooming<br>Period <sup>2,3</sup>    | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|--|--|---------------------------|--------------|-------------------------------|--------------------------------------|-------------------------------------|---|--|
| Umpqua green-<br>gentian<br><i>Frasera</i><br><i>umquaensis</i>                              | -/-/FSS/-/2B.2   | USFS                      | Gentianaceae | perennial herb                | June-July                            | 1,555–1,900                         | Chaparral, lower<br>montane coniferous<br>forest, meadows and<br>seeps, and North<br>Coast coniferous<br>forest       | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Gentner's fritillary<br><i>Fritillaria gentneri</i>  | FE/-/-/-/1B.1  | CNPS,<br>CNDDDB,<br>USFWS | Liliaceae    | perennial<br>bulbiferous herb | April–May                            | 1,005–2,970                         | Sometimes<br>serpentine soils in<br>chaparral,<br>cismontane<br>woodland, and lower<br>montane coniferous<br>forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Oregon bedstraw<br><i>Galium</i><br><i>oreganum</i>  | -/-/-/-/3  | CNPS                      | Rubiaceae    | perennial<br>rhizomatous herb | May–September                        | 1,500–1,500                         | Lower montane<br>coniferous forest<br>and North Coast<br>coniferous forest  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Scott Mountain<br>bedstraw<br><i>Galium</i><br><i>serpenticum</i><br>subsp. <i>scotticum</i> | -/-/-/BLMS/1B.2  | CNPS,<br>CNDDDB           | Rubiaceae    | perennial herb                | May–August                           | 1,000–2,075                         | Serpentine soils in<br>lower montane<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Klamath gentian<br><i>Gentiana</i><br><i>plurisetosa</i>                                     | -/-/-/-/1B.3   | CNPS,<br>CNDDDB           | Gentianaceae | perennial herb                | July–September                       | 1,200–1,900                         | Mesic soils in lower<br>montane coniferous<br>forest, meadows and<br>seeps, and upper<br>montane coniferous<br>forest | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Mendocino<br>gentian<br><i>Gentiana</i><br><i>setigera</i>                                   | -/-/FSS/-/1B.2   | CNPS                      | Gentianaceae | perennial herb                | (April–July)<br>August–<br>September | 335–1,065                           | Mesic soils in lower<br>montane coniferous<br>forest, and meadows<br>and seeps  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |

| Common Name<br>Scientific Name   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family        | Life-form                   | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale  |
|--|--|-----------------|---------------|-----------------------------|-----------------------------------|-------------------------------------|---|---|
| Pacific gilia<br><i>Gilia capitata</i><br>subsp. <i>pacifica</i>         | -/-/-/1B.2   | CNPS,<br>CNDDB  | Polemoniaceae | annual herb                 | April–August                      | 5–1,665                             | Coastal bluff scrub,<br>openings in<br>chaparral, coastal<br>prairie, and valley<br>and foothill<br>grassland | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis  |
| dark-eyed gilia<br><i>Gilia millefoliata</i>                             | -/-/-/BLMS/1B.2  | CNPS,<br>CNDDB  | Polemoniaceae | annual herb                 | April–July                        | 2–30                                | Coastal dunes   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis  |
| American glehnia<br><i>Glehnia littoralis</i><br>subsp. <i>leiocarpa</i> | -/-/-/4.2  | CNPS            | Apiaceae      | perennial herb              | May–August                        | 0–20                                | Coastal dunes   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis  |
| serpentine<br>sunflower<br><i>Helianthus</i><br><i>bolanderi</i>         | -/-/-/4.2  | PacifiCorp      | Asteraceae    | annual herb                 | June–November                     | 150–1,525                           | Serpentine seeps in<br>chaparral and<br>cismontane<br>woodland  | Included;<br>documented<br>during PacifiCorp<br>surveys south of<br>Iron Gate<br>Reservoir<br>(PacifiCorp<br>2004a) |
| buttercup-leaf<br>suksdorfia<br><i>Hemieva</i><br><i>ranunculifolia</i>  | -/-/-/2B.2   | CNPS,<br>CNDDB  | Saxifragaceae | perennial herb              | June–August                       | 1,500–2,500                         | Mesic, rocky,<br>granitic soils in<br>meadows and seeps<br>and upper montane<br>coniferous forest             | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range  |
| Baker cypress<br><i>Hesperocyparis</i><br><i>bakeri</i>                  | -/-/-/4.2  | CNPS            | Cupressaceae  | perennial<br>evergreen tree |                                   | 820–1,995                           | Serpentine or<br>volcanic soils in<br>chaparral and lower<br>montane coniferous<br>forest                     | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis  |
| Henderson's<br>horkelia<br><i>Horkelia</i><br><i>hendersonii</i>         | -/-/-/BLMS/1B.1  | CNPS,<br>CNDDB  | Rosaceae      | perennial herb              | June–August                       | 2,000–2,300                         | Granitic soils in<br>upper montane<br>coniferous forest   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range  |

| Common Name<br>Scientific Name  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family     | Life-form                  | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale      |
|---|--|-----------------|------------|----------------------------|-----------------------------------|-------------------------------------|---|---|
| Howell's horkelia<br><i>Horkelia sericata</i>                           | -/-/-/4.3  | CNPS            | Rosaceae   | perennial herb             | May-July                          | 60-1,280                            | Serpentine or clay soils in chaparral and lower montane coniferous forest   | Included; potential habitat within the Primary Area of Analysis   |
| Yolla Bolly Mtns. bird's-foot trefoil<br><i>Hosackia yollaboliensis</i> | -/-/FSS/-/1B.2   | USFS            | Fabaceae   | perennial herb             | Jun-August                        | 1,645-2,135                         | Gravelly, dry barren exposed slopes, meadows and seeps, and openings in upper montane coniferous forest   | Excluded; outside of the Primary Area of Analysis elevation range |
| alkali hymenoxys<br><i>Hymenoxys lemmonii</i>                           | -/-/-/2B.2   | CNPS, CNDDDB    | Asteraceae | perennial herb             | June-August (September)           | 240-3,390                           | Great Basin scrub, lower montane coniferous forest, and subalkaline meadows and seeps   | Included; potential habitat within the Primary Area of Analysis   |
| California globe mallow<br><i>Iliamna latibracteata</i>                 | -/-/FSS/-/1B.2   | CNPS, CNDDDB    | Malvaceae  | perennial herb             | June-August                       | 60-2,000                            | Montane chaparral, lower montane coniferous forest, mesic soils in North Coast coniferous forest, and streambanks in riparian scrub Often in burned areas | Included; potential habitat within the Primary Area of Analysis   |
| Siskiyou iris<br><i>Iris bracteata</i>                                  | -/-/-/3.3  | CNPS            | Iridaceae  | perennial rhizomatous herb | May-June                          | 180-1,070                           | Serpentine soils in broadleaved upland forest and lower montane coniferous forest   | Included; potential habitat within the Primary Area of Analysis   |
| Del Norte County iris<br><i>Iris innominata</i>                         | -/-/-/4.3  | CNPS            | Iridaceae  | perennial rhizomatous herb | May-June                          | 300-2,000                           | Serpentine soils in lower montane coniferous forest   | Included; potential habitat within the Primary Area of Analysis   |



| Common Name<br>Scientific Name                                  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family        | Life-form                                    | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale                      |
|---|--|-----------------|---------------|--|-----------------------------------|-------------------------------------|--|---|
| Orleans iris<br><i>Iris tenax</i> subsp.<br><i>klamathensis</i> | -/-/-/4.3  | CNPS            | Iridaceae     | perennial<br>rhizomatous herb                | April–May                         | 100–1,400                           | Lower montane<br>coniferous forest,<br>often in disturbed<br>areas   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Dudley's rush<br><i>Juncus dudleyi</i>                          | -/-/-/2B.3   | CNPS,<br>CNDDDB | Juncaceae     | perennial herb                               | July–August                       | 455–2,000                           | Mesic soils in lower<br>montane coniferous<br>forest   | Included;<br>documented<br>within the Primary<br>Area of Analysis<br>(CDFW 2017a) |
| Regel's rush<br><i>Juncus regelii</i>                           | -/-/-/2B.3   | CNPS,<br>CNDDDB | Juncaceae     | perennial<br>rhizomatous herb                | August                            | 760–1,900                           | Mesic soils in<br>meadows and seeps<br>and upper montane<br>coniferous forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| small<br>groundcone<br><i>Kopsiopsis</i><br><i>hookeri</i>      | -/-/-/2B.3   | CNPS,<br>CNDDDB | Orobanchaceae | perennial<br>rhizomatous herb<br>(parasitic) | April–August                      | 90–885                              | North Coast<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Del Norte pea<br><i>Lathyrus</i><br><i>delnorticus</i>          | -/-/-/4.3  | CNPS            | Fabaceae      | perennial herb                               | June–July                         | 30–1,450                            | Often serpentine<br>soils in lower<br>montane coniferous<br>forest and North<br>Coast coniferous<br>forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| seaside pea<br><i>Lathyrus</i><br><i>japonicus</i>              | -/-/-/2B.1   | CNPS,<br>CNDDDB | Fabaceae      | perennial<br>rhizomatous herb                | May–August                        | 1–30                                | Coastal dunes  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| marsh pea<br><i>Lathyrus</i><br><i>palustris</i>                | -/-/-/2B.2   | CNPS,<br>CNDDDB | Fabaceae      | perennial herb                               | March–August                      | 1–100                               | Mesic soils in bogs<br>and fens, coastal<br>prairie, coastal<br>scrub, lower<br>montane coniferous<br>forest, marshes and<br>swamps, and North<br>Coast coniferous<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |

| Common Name<br>Scientific Name   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source           | Family     | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale                      |
|--|--|---------------------------|------------|-------------------------------|-----------------------------------|-------------------------------------|---|---|
| beach layia<br><i>Layia carnosa</i>  | FE/CE/--/1B.1  | CNPS,<br>CNDDDB,<br>USFWS | Asteraceae | annual herb                   | March–July                        | 0–60                                | Coastal dunes, and<br>sandy soils in<br>coastal scrub   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Heckner's lewisia<br><i>Lewisia<br/>cotyledon</i> var.<br><i>heckneri</i>          | --/--/BLMS/1B.2  | CNPS,<br>CNDDDB           | Montiaceae | perennial herb                | May–July                          | 225–2,100                           | Rocky soils in lower<br>montane coniferous<br>forest  | Included;<br>documented<br>within the Primary<br>Area of Analysis<br>(CDFW 2017b) |
| Howell's lewisia<br><i>Lewisia<br/>cotyledon</i> var.<br><i>howellii</i>           | --/--/3.2  | CNPS                      | Montiaceae | perennial herb                | April–July                        | 150–2,010                           | Rocky soils in<br>broadleafed upland<br>forest, chaparral,<br>cismontane<br>woodland, and lower<br>montane coniferous<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Hutchison's<br>lewisia<br><i>Lewisia kelloggii</i><br>subsp.<br><i>hutchisonii</i> | --/--/3.2  | CNPS                      | Montiaceae | perennial herb                | (April) May–<br>August            | 765–2,365                           | Openings, ridgetops,<br>often slate,<br>sometimes rhyolite<br>tuff in upper<br>montane coniferous<br>forest                     | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Kellogg's lewisia<br><i>Lewisia kelloggii</i><br>subsp. <i>kelloggii</i>           | --/FSS/--/3.2  | CNPS                      | Montiaceae | perennial herb                | (April) May–<br>August            | 1,465–2,365                         | Openings, ridgetops,<br>often slate,<br>sometimes rhyolite<br>tuff in upper<br>montane coniferous<br>forest                     | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range        |
| opposite-leaved<br>lewisia<br><i>Lewisia<br/>oppositifolia</i>                     | --/FSS/--/2B.2   | USFS                      | Montiaceae | perennial herb                | April–May (June)                  | 300–1,220                           | Mesic soils in lower<br>montane coniferous<br>forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Bolander's lily<br><i>Lilium bolanderi</i>   | --/--/4.2  | CNPS                      | Liliaceae  | perennial<br>bulbiferous herb | June–July                         | 30–1,600                            | Serpentine soils in<br>chaparral lower<br>montane coniferous<br>forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |

| Common Name<br>Scientific Name                                     | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source          | Family    | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale             |
|--|--|--------------------------|-----------|-------------------------------|-----------------------------------|-------------------------------------|--|--|
| western lily<br><i>Lilium<br/>occidentale</i>                      | FE/CE/--/1B.1  | CNPS,<br>CNDDB,<br>USFWS | Liliaceae | perennial<br>bulbiferous herb | June–July                         | 2–185                               | Bogs and fens,<br>coastal bluff scrub,<br>coastal prairie,<br>coastal scrub,<br>freshwater marshes<br>and swamps, and<br>openings in North<br>Coast coniferous<br>forest)  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| Vollmer's lily<br><i>Lilium<br/>pardalinum<br/>subsp. vollmeri</i> | --/--/4.3  | CNPS                     | Liliaceae | perennial<br>bulbiferous herb | (June) July–<br>August            | 30–1,680                            | Bogs and fens, and<br>mesic soils in<br>meadows and seeps  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| Wiggins' lily<br><i>Lilium<br/>pardalinum<br/>subsp. wigginsii</i> | --/--/4.3  | CNPS                     | Liliaceae | perennial<br>bulbiferous herb | June–August                       | 485–2,000                           | Mesic soils in bogs<br>and fens,<br>broadleaved upland<br>forest, lower<br>montane coniferous<br>forest, meadows and<br>seeps, and riparian<br>scrub   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| redwood lily<br><i>Lilium rubescens</i>                            | --/--/4.2  | CNPS                     | Liliaceae | perennial<br>bulbiferous herb | April–August<br>(September)       | 30–1,910                            | Sometimes<br>serpentine soils in<br>broadleaved upland<br>forest, chaparral,<br>lower montane<br>coniferous forest,<br>North Coast<br>coniferous forest,<br>and upper montane<br>coniferous forest<br>Sometimes<br>roadsides | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |

| Common Name<br>Scientific Name   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family        | Life-form      | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|--|--|-----------------|---------------|----------------|-----------------------------------|-------------------------------------|---|--|
| woolly<br>meadowfoam<br><i>Limnanthes<br/>floccosa</i> subsp.<br><i>floccosa</i>             | -/-/-/4.2  | CNPS,<br>CNDDDB | Limnanthaceae | annual herb    | March–May<br>(June)               | 60–1,335                            | Vernally mesic soils<br>in chaparral,<br>cismontane<br>woodland, and<br>valley and foothill<br>grassland, and<br>vernal pools           | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| heart-leaved<br>twayblade<br><i>Listera cordata</i>  | -/-/-/4.2  | CNPS            | Orchidaceae   | perennial herb | February–July                     | 5–1,370                             | Bogs and fens,<br>lower montane<br>coniferous forest,<br>and North Coast<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| depressed<br>standing-cypress<br><i>Loeseliastrum<br/>depressum</i>                          | -/-/-/4.3  | CNPS            | Polemoniaceae | annual herb    | April–July                        | 1,220–2,100                         | Sandy or gravelly<br>soils in Great Basin<br>scrub, Mojavean<br>desert scrub, and<br>pinyon and juniper<br>woodland                     | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| MacDougal's<br>lomatium<br><i>Lomatium<br/>foeniculaceum</i><br>subsp.<br><i>macdougalii</i> | -/-/-/2B.2   | CNPS,<br>CNDDDB | Apiaceae      | perennial herb | April–July                        | 1,200–2,065                         | Volcanic soils in<br>chenopod scrub,<br>Great Basin scrub,<br>lower montane<br>coniferous forest,<br>and pinyon and<br>juniper woodland | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Howell's<br>lomatium<br><i>Lomatium<br/>howellii</i>   | -/-/-/4.3  | CNPS            | Apiaceae      | perennial herb | April–July                        | 110–1,705                           | Serpentine soils in<br>chaparral and lower<br>montane coniferous<br>forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Coast Range<br>lomatium<br><i>Lomatium<br/>martindalei</i>                                   | -/-/-/2B.3   | CNPS,<br>CNDDDB | Apiaceae      | perennial herb | May–June<br>(August)              | 240–3,000                           | Coastal bluff scrub,<br>lower montane<br>coniferous forest,<br>and meadows and<br>seeps   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |

| Common Name<br>Scientific Name                                 | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family        | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale                      |
|--|--|-----------------|---------------|-------------------------------|-----------------------------------|-------------------------------------|---|---|
| Peck's lomatium<br><i>Lomatium<br/>peckianum</i>               | -/-/-/2B.2   | CNPS,<br>CNDDDB | Apiaceae      | perennial herb                | April–May (June)                  | 700–1,800                           | Volcanic soils in<br>chaparral,<br>cismontane<br>woodland, lower<br>montane coniferous<br>forest, and pinyon<br>and juniper<br>woodland | Included;<br>documented<br>within the Primary<br>Area of Analysis<br>(CDFW 2017b) |
| Raven's<br>lomatium<br><i>Lomatium ravenii</i>                 | -/-/-/2B.3   | CNPS,<br>CNDDDB | Apiaceae      | perennial herb                | April–June                        | 1,000–3,000                         | Adobe, alkaline soils<br>in Great Basin scrub   | Excluded; no<br>habitat in the<br>Primary Area of<br>Analysis                     |
| Tracy's lomatium<br><i>Lomatium tracyi</i>                     | -/-/-/4.3  | CNPS            | Apiaceae      | perennial herb                | May–June                          | 455–1,950                           | Serpentine soils in<br>lower montane<br>coniferous forest<br>and upper montane<br>coniferous forest                                     | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Tracy's lupine<br><i>Lupinus tracyi</i>                        | -/-/-/4.3  | CNPS            | Fabaceae      | perennial herb                | (May) June–July                   | 895–2,000                           | Upper montane<br>coniferous forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| inundated bog<br>club-moss<br><i>Lycopodiella<br/>inundata</i> | -/-/-/2B.2   | CNPS            | Lycopodiaceae | perennial<br>rhizomatous herb | June–September                    | 5–1,000                             | Coastal bogs and<br>fens, mesic soils in<br>lower montane<br>coniferous forest,<br>marshes and<br>swamps and lake<br>margins            | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |

| Common Name<br>Scientific Name   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family         | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale                      |
|--|--|-----------------|----------------|-------------------------------|-----------------------------------|-------------------------------------|--|---|
| running-pine<br><i>Lycopodium<br/>clavatum</i>   | -/-/-/4.1  | CNPS,<br>CNDDDB | Lycopodiaceae  | perennial<br>rhizomatous herb | June–August<br>(September)        | 45–1,225                            | Often edges,<br>openings, and<br>roadsides in mesic<br>soils in lower<br>montane coniferous<br>forest and North<br>Coast coniferous<br>forest, and marshes<br>and swamps | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| arctic starflower<br><i>Lysimachia<br/>europaea</i>                                    | -/-/-/2B.2   | CNPS,<br>CNDDDB | Myrsinaceae    | perennial herb                | June–July                         | 0–15                                | Coastal bogs and<br>fens and meadows<br>and seeps  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Oregon lungwort<br><i>Mertensia bella</i>  | -/-/-/2B.2   | CNPS,<br>CNDDDB | Boraginaceae   | perennial herb                | May–July                          | 1,500–2,000                         | Mesic soils in<br>meadows and seeps<br>and upper montane<br>coniferous forest  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range        |
| Marshall's<br>saxifrage<br><i>Micranthes<br/>marshallii</i>                            | -/-/-/4.3  | CNPS            | Saxifragaceae  | perennial<br>rhizomatous herb | March–August                      | 90–2,130                            | Riparian forest,<br>rocky streambanks  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| dwarf monolepis<br><i>Micromonolepis<br/>pusilla</i>                                   | -/-/-/2B.3   | CNPS            | Chenopodiaceae | annual herb                   | May–August                        | 1,500–2,400                         | Alkaline soils in<br>openings in Great<br>Basin scrub  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range        |
| Detling's<br>silverpuffs<br><i>Microseris<br/>laciniata</i> subsp.<br><i>detlingii</i> | -/-/-/2B.2   | CNPS,<br>CNDDDB | Asteraceae     | perennial herb                | May–June                          | 600–1,500                           | Clay soils in<br>openings in<br>cismontane<br>woodland   | Included;<br>documented<br>within the Primary<br>Area of Analysis<br>(CDFW 2017b) |

| Common Name<br>Scientific Name                                 | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family        | Life-form                           | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale                      |
|--|--|-----------------|---------------|-------------------------------------|-----------------------------------|-------------------------------------|---|---|
| leafy-stemmed<br>mitrewort<br><i>Mitellastr<br/>caulescens</i> | -/-/-/4.2  | CNPS,<br>CNDDDB | Saxifragaceae | perennial<br>rhizomatous herb       | (March) April–<br>October         | 5–1,700                             | Mesic soils in<br>broadleaved upland<br>forest, lower<br>montane coniferous<br>forest, meadows and<br>seeps, and North<br>Coast coniferous<br>forest Sometimes<br>roadsides | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| woodnymph<br><i>Moneses uniflora</i>                           | -/-/-/2B.2   | CNPS,<br>CNDDDB | Ericaceae     | perennial<br>rhizomatous herb       | May–August                        | 100–1,100                           | Broadleaved upland<br>forest and North<br>Coast coniferous<br>forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| ghost-pipe<br><i>Monotropa<br/>uniflora</i>                    | -/-/-/2B.2   | CNPS,<br>CNDDDB | Ericaceae     | perennial herb<br>(achlorophyllous) | June–August<br>(September)        | 10–550                              | Broadleaved upland<br>forest and North<br>Coast coniferous<br>forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Howell's montia<br><i>Montia howellii</i>                      | -/-/-/2B.2   | CNPS,<br>CNDDDB | Montiaceae    | annual herb                         | (February)<br>March–May           | 0–835                               | Meadows and<br>seeps, North Coast<br>coniferous forest,<br>and vernal pools<br>Sometimes<br>roadsides   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Wolf's evening-<br>primrose<br><i>Oenothera wolfii</i>         | -/-/-/BLMS/1B.1  | CNPS,<br>CNDDDB | Onagraceae    | perennial herb                      | May–October                       | 3–800                               | Sandy, usually<br>mesic soils in<br>coastal bluff scrub,<br>coastal dunes,<br>coastal prairie, and<br>lower montane<br>coniferous forest                                    | Included;<br>documented<br>within the Primary<br>Area of Analysis<br>(CDFW 2017b) |
| brittle prickly-<br>pear<br><i>Opuntia fragilis</i>            | -/-/-/2B.1   | CNPS,<br>CNDDDB | Cactaceae     | perennial stem<br>succulent         | April–July                        | 820–880                             | Volcanic soils in<br>pinyon and juniper<br>woodland   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |

| Common Name<br>Scientific Name  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family        | Life-form                     | Blooming<br>Period <sup>2,3</sup>       | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|---|--|-----------------|---------------|-------------------------------|---|-------------------------------------|--|--|
| Slender Orcutt<br>Grass<br><i>Orcuttia tenuis</i>                         | FT/CE/--/1B.1  | USFWS           | Poaceae       | annual herb                   | May–September<br>(October)              | 35–1,760                            | Often gravelly vernal<br>pools   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Shasta<br>orthocarpus<br><i>Orthocarpus<br/>pachystachyus</i>             | --/--/BLMS/1B.1  | CNPS,<br>CNDDDB | Orobanchaceae | annual herb                   | May                                     | 840–850                             | Great Basin scrub,<br>meadows and<br>seeps, and valley<br>and foothill<br>grassland                                  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Suksdorf's wood-<br>sorrel<br><i>Oxalis suksdorfii</i>                    | --/--/4.3  | CNPS            | Oxalidaceae   | perennial<br>rhizomatous herb | May–August                              | 15–700                              | Broadleafed upland<br>forest and North<br>Coast coniferous<br>forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| seacoast ragwort<br><i>Packera<br/>bolanderi</i> var.<br><i>bolanderi</i> | --/--/2B.2   | CNPS,<br>CNDDDB | Asteraceae    | perennial<br>rhizomatous herb | (January–April)<br>May–July<br>(August) | 30–650                              | Coastal scrub and<br>North Coast<br>coniferous forest<br>Sometimes<br>roadsides                                      | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| western ragwort<br><i>Packera<br/>hesperia</i>                            | --/FSS/--/2B.2   | USFS            | Asteraceae    | perennial herb                | April–June                              | 500–2,500                           | Serpentine soils in<br>meadows and seeps<br>and upper montane<br>coniferous forest                                   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Siskiyou<br>Mountains<br>ragwort<br><i>Packera<br/>macounii</i>           | --/--/4.3  | CNPS            | Asteraceae    | perennial herb                | June–July                               | 400–915                             | Sometimes<br>serpentine soils,<br>often in disturbed<br>areas in chaparral<br>and lower montane<br>coniferous forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Howell's<br>lousewort<br><i>Pedicularis<br/>howellii</i>                  | --/FSS/--/4.3  | CNPS            | Orobanchaceae | perennial herb                | June–August                             | 1,500–1,900                         | Often serpentine<br>soils in upper<br>montane coniferous<br>forest   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |



| Common Name<br>Scientific Name                                  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family          | Life-form      | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|---|--|-----------------|-----------------|----------------|-----------------------------------|-------------------------------------|--|--|
| ash beardtongue<br><i>Penstemon<br/>cinicola</i>                | -/-/-/4.3  | CNPS            | Plantaginaceae  | perennial herb | June–August<br>(September)        | 730–2,685                           | Volcanic, sandy or<br>rocky soils in lower<br>montane coniferous<br>forest, meadows and<br>seeps, and upper<br>montane coniferous<br>forest                                  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| thread-leaved<br>beardtongue<br><i>Penstemon<br/>filiformis</i> | -/-/-/BLMS/1B.3  | CNPS,<br>CNDDDB | Plantaginaceae  | perennial herb | May–August<br>(September)         | 450–1,875                           | Rocky, often<br>serpentine soils in<br>cismontane<br>woodland and lower<br>montane coniferous<br>forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Scott Valley<br>phacelia<br><i>Phacelia<br/>greenei</i>         | -/-/-/BLMS/1B.2  | CNPS,<br>CNDDDB | Hydrophyllaceae | annual herb    | April–June                        | 800–2,440                           | Serpentine soils in<br>closed-cone<br>coniferous forest,<br>lower montane<br>coniferous forest,<br>subalpine coniferous<br>forest, and upper<br>montane coniferous<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| naked-stemmed<br>phacelia<br><i>Phacelia<br/>gymnoclada</i>     | -/-/-/2B.3   | CNPS            | Hydrophyllaceae | annual herb    | April–June<br>(August)            | 1,220–2,500                         | Gravelly or clay soils<br>in chenopod scrub,<br>Great Basin scrub,<br>and pinyon and<br>juniper woodland   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Siskiyou phacelia<br><i>Phacelia<br/>leonis</i>                 | -/-/-/BLMS/1B.3  | CNPS,<br>CNDDDB | Hydrophyllaceae | annual herb    | June–August                       | 1,200–2,000                         | Often serpentine<br>soils in meadows<br>and seeps and<br>openings in upper<br>montane coniferous<br>forest   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |

| Common Name<br>Scientific Name                                 | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source           | Family           | Life-form                           | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale                      |
|--|--|---------------------------|------------------|-------------------------------------|-----------------------------------|-------------------------------------|--|---|
| Yreka phlox<br><i>Phlox hirsuta</i>                            | FE/CE/--/1B.2  | CNPS,<br>CNDDDB,<br>USFWS | Polemoniaceae    | perennial herb                      | March–April                       | 760–1,500                           | Serpentine soils,<br>talus in lower<br>montane coniferous<br>forest and upper<br>montane coniferous<br>forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| horned<br>butterwort<br><i>Pinguicula<br/>macroceras</i>       | --/--/2B.2   | CNPS,<br>CNDDDB           | Lentibulariaceae | perennial herb<br>(carnivorous)     | April–June                        | 40–1,920                            | Serpentine soils in<br>bogs and fens   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Whitebark Pine<br><i>Pinus albicaulis</i>                      | --/--/--   | USFWS                     | Pinaceae         | tree                                | N/A                               | 2,000–3,700                         | Upper red-fir forest<br>to timberline,<br>especially subalpine<br>forest   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range        |
| white-flowered<br>rein orchid<br><i>Piperia candida</i>        | --/--/BLMS/1B.2  | CNPS,<br>CNDDDB           | Orchidaceae      | perennial herb                      | (March) May–<br>September         | 30–1,310                            | Sometimes<br>serpentine in<br>broadleafed upland<br>forest, lower<br>montane coniferous<br>forest, and North<br>Coast coniferous<br>forest                         | Included;<br>documented<br>within the Primary<br>Area of Analysis<br>(CDFW 2017b) |
| California<br>pinefoot<br><i>Pityopus<br/>californicus</i>     | --/--/--/4.2   | CNPS                      | Ericaceae        | perennial herb<br>(achlorophyllous) | (March–April)<br>May–August       | 15–2,225                            | Mesic soils in<br>broadleafed upland<br>forest, lower<br>montane coniferous<br>forest, North Coast<br>coniferous forest,<br>and upper montane<br>coniferous forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| nodding<br>semaphore grass<br><i>Pleuropogon<br/>refractus</i> | --/--/--/4.2   | CNPS                      | Poaceae          | perennial<br>rhizomatous herb       | (March) April–<br>August          | 0–1,600                             | Mesic soils in lower<br>montane coniferous<br>forest, meadows and<br>seeps, North Coast<br>coniferous forest,<br>and riparian forest                               | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |

| Common Name<br>Scientific Name  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family           | Life-form                                  | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|---|--|-----------------|------------------|--|-----------------------------------|-------------------------------------|--|--|
| Piper's blue<br>grass<br><i>Poa piperi</i>  | -/-/-/4.3  | CNPS            | Poaceae          | perennial<br>rhizomatous herb              | April–May                         | 100–1,460                           | Serpentine, rocky<br>soils in chaparral<br>and lower montane<br>coniferous forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Oregon<br>polemonium<br><i>Polemonium<br/>carneum</i>                               | -/-/-/2B.2   | CNPS,<br>CNDDDB | Polemoniaceae    | perennial herb                             | April–September                   | 0–1,830                             | Coastal prairie,<br>coastal scrub, and<br>lower montane<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| spiny milkwort<br><i>Polygala<br/>subspinosa</i>                                    | -/-/-/2B.2   | CNPS,<br>CNDDDB | Polygalaceae     | perennial herb                             | May–August                        | 1,330–1,705                         | Gravelly, rocky soils<br>in Great Basin<br>scrub, and pinyon<br>and juniper<br>woodland  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| northern holly<br>fern<br><i>Polystichum<br/>lonchitis</i>                          | -/-/-/3  | CNPS            | Dryopteridaceae  | perennial<br>rhizomatous herb              | June–September                    | 1,800–2,600                         | Granitic or<br>carbonate soils in<br>subalpine coniferous<br>forest and upper<br>montane coniferous<br>forest  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| fibrous<br>pondweed<br><i>Potamogeton<br/>foliosus</i> subsp.<br><i>fibrillosus</i> | -/-/-/2B.3   | CNPS,<br>CNDDDB | Potamogetonaceae | perennial<br>rhizomatous herb<br>(aquatic) | July–October                      | 5–1,300                             | Shallow freshwater<br>marshes and<br>swamps  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Robbins'<br>pondweed<br><i>Potamogeton<br/>robbinsii</i>                            | -/-/-/2B.3   | CNPS,<br>CNDDDB | Potamogetonaceae | perennial<br>rhizomatous herb<br>(aquatic) | July–August                       | 1,530–3,300                         | Marshes and<br>swamps and edges<br>of deep water, lakes  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| crested potentilla<br><i>Potentilla<br/>cristae</i>                                 | -/-/-/1B.3   | CNPS            | Rosaceae         | perennial herb                             | August–<br>September              | 1,800–2,800                         | Seasonally mesic,<br>often serpentine<br>seeps, gravelly or<br>rocky soils in alpine<br>boulder and rock<br>field and subalpine<br>coniferous forest | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |

| Common Name<br>Scientific Name  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source                | Family          | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|---|--|--------------------------------|-----------------|-------------------------------|-----------------------------------|-------------------------------------|---|--|
| Newberry's<br>cinquefoil<br><i>Potentilla<br/>newberryi</i>                       | -/-/-/2B.3   | CNPS,<br>CNDDDB                | Rosaceae        | perennial herb                | May–August                        | 1,300–2,200                         | Drying margins of<br>marshes and<br>swamps and vernal<br>pools  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Siskiyou bells<br><i>Prosartes<br/>parvifolia</i>                                 | -/-/FSS/-/1B.2   | CNPS,<br>CNDDDB                | Liliaceae       | perennial<br>bulbiferous herb | May–September                     | 700–1,525                           | Often roadsides,<br>disturbed areas, and<br>burned areas in<br>lower montane<br>coniferous forest<br>and upper montane<br>coniferous forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Del Norte<br>pyrrocoma<br><i>Pyrrocoma<br/>racemosa</i> var.<br><i>congesta</i>   | -/-/-/2B.3   | CNPS,<br>CNDDDB                | Asteraceae      | perennial herb                | August–<br>September              | 200–1,000                           | Serpentine soils in<br>chaparral and lower<br>montane coniferous<br>forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| western black<br>currant<br><i>Ribes<br/>hudsonianum</i><br>var. <i>petiolare</i> | -/-/-/2B.3   | CNPS,<br>CNDDDB                | Grossulariaceae | perennial<br>deciduous shrub  | May–July                          | 1,500–2,230                         | Riparian scrub  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| trailing black<br>currant<br><i>Ribes laxiflorum</i>                              | -/-/-/4.3  | CNPS                           | Grossulariaceae | perennial<br>deciduous shrub  | March–July<br>(August)            | 5–1,395                             | North Coast<br>coniferous forest,<br>sometimes<br>roadsides   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Tracy's<br>romanzoffia<br><i>Romanzoffia<br/>tracyi</i>                           | -/-/-/2B.3   | CNPS,<br>CNDDDB                | Hydrophyllaceae | perennial herb                | March–May                         | 15–30                               | Rocky soils in<br>coastal bluff scrub<br>and coastal scrub  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Columbia yellow<br>cress<br><i>Rorippa<br/>columbiae</i>                          | -/-/-/BLMS/1B.2  | CNPS,<br>CNDDDB,<br>PacifiCorp | Brassicaceae    | perennial<br>rhizomatous herb | May–September                     | 1,200–1,800                         | Mesic soils in lower<br>montane coniferous<br>forest, meadows and<br>seeps, playas, and<br>vernal pools                                     | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |

| Common Name<br>Scientific Name                                       | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source     | Family          | Life-form                      | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale  |
|--|--|---------------------|-----------------|--------------------------------|-----------------------------------|-------------------------------------|--|---|
| Gasquet rose<br><i>Rosa<br/>gymnocarpa</i> var.<br><i>serpentina</i> | -/-/-/1B.3   | CNPS,<br>CNDDDB     | Rosaceae        | perennial<br>rhizomatous shrub | April–June<br>(August)            | 400–1,725                           | Serpentine soils,<br>often roadsides,<br>sometimes ridges,<br>streambanks, and<br>openings in<br>chaparral and<br>cismontane<br>woodland | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis  |
| snow dwarf<br>bramble<br><i>Rubus nivalis</i>                        | -/-/-/2B.3   | CNPS,<br>CNDDDB     | Rosaceae        | perennial<br>evergreen vine    | June–August                       | 1,085–1,350                         | North Coast<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis  |
| Howell's<br>sandwort<br><i>Sabulina howellii</i>                     | -/-/-/BLMS/1B.3  | CNPS,<br>CNDDDB     | Caryophyllaceae | perennial herb                 | April–July                        | 550–1,000                           | Serpentine and xeric<br>soils in chaparral<br>and lower montane<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis  |
| fleshy sage<br><i>Salvia dorrii</i> var.<br><i>incana</i>            | -/-/-/3  | CNPS,<br>PacifiCorp | Lamiaceae       | perennial<br>evergreen shrub   | May–July                          | 300–1,295                           | Great Basin scrub<br>and pinyon and<br>juniper woodland  | Included;<br>documented<br>during PacifiCorp<br>surveys at Iron<br>Gate Reservoir<br>and along<br>Klamath River<br>from Iron Gate<br>Dam to Shasta<br>River (PacifiCorp<br>2004a) |

| Common Name<br>Scientific Name                           | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family        | Life-form                                  | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|--|--|-----------------|---------------|--|-----------------------------------|-------------------------------------|--|--|
| great burnet<br><i>Sanguisorba<br/>officinalis</i>       | -/-/-/2B.2   | CNPS,<br>CNDDDB | Rosaceae      | perennial<br>rhizomatous herb              | July–October                      | 60–1,400                            | Often serpentine<br>soils in bogs and<br>fens, broadleaved<br>upland forest,<br>meadows and<br>seeps, marshes and<br>swamps, North<br>Coast coniferous<br>forest, and riparian<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Peck's sanicle<br><i>Sanicula<br/>peckiana</i>           | -/-/-/4.3  | CNPS            | Apiaceae      | perennial herb                             | (March) May,<br>June              | 150–800                             | Often serpentine<br>soils in chaparral<br>and lower montane<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Tracy's sanicle<br><i>Sanicula tracyi</i>                | -/-/FSS/-/4.2  | CNPS,<br>CNDDDB | Apiaceae      | perennial herb                             | April–July                        | 100–1,585                           | Openings in<br>cismontane<br>woodland, lower<br>montane coniferous<br>forest, and upper<br>montane coniferous<br>forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Bailey's<br>greasewood<br><i>Sarcobatus<br/>baileyi</i>  | -/-/-/2B.3   | CNPS            | Sarcobataceae | perennial<br>deciduous shrub               | April–July                        | 1,500–1,600                         | Alkaline soils in dry<br>lakes, washes,<br>roadsides, and<br>chenopod scrub  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| American saw-<br>wort<br><i>Saussurea<br/>americana</i>  | -/-/-/2B.2   | CNPS,<br>CNDDDB | Asteraceae    | perennial herb                             | July–August                       | 1,735–1,950                         | Mesic soils in lower<br>montane coniferous<br>forest and meadows<br>and seeps  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| water bulrush<br><i>Schoenoplectus<br/>subterminalis</i> | -/-/-/2B.3   | CNPS,<br>CNDDDB | Cyperaceae    | perennial<br>rhizomatous herb<br>(aquatic) | June–August<br>(September)        | 750–2,250                           | Bogs and fens,<br>marshes and<br>swamps and<br>montane lake<br>margins   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |

| Common Name<br>Scientific Name   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source                | Family       | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|--|--|--------------------------------|--------------|-------------------------------|-----------------------------------|-------------------------------------|--|--|
| pendulous<br>bulrush<br><i>Scirpus pendulus</i>                          | -/-/-/2B.2   | CNPS,<br>CNDDDB,<br>PacifiCorp | Cyperaceae   | perennial<br>rhizomatous herb | June– August                      | 800–1,000                           | Mesic meadows and<br>seeps, and assorted<br>freshwater marshes<br>and swamps   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Blue Creek<br>stonecrop<br><i>Sedum citrinum</i>                         | -/-/-/1B.2   | CNPS,<br>CNDDDB                | Crassulaceae | perennial herb                | June                              | 1,050–1,280                         | Serpentine and<br>rocky soils in North<br>Coast coniferous<br>forest, talus, scree,<br>or boulder crevices;<br>sometimes<br>roadsides  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Cascade<br>stonecrop<br><i>Sedum<br/>divergens</i>                       | -/-/-/2B.3   | CNPS,<br>CNDDDB                | Crassulaceae | perennial herb                | July–September                    | 1,600–2,330                         | Alpine boulder and<br>rock field   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| pale yellow<br>stonecrop<br><i>Sedum laxum</i><br>subsp. <i>flavidum</i> | -/-/-/4.3  | CNPS,<br>CNDDDB                | Crassulaceae | perennial herb                | May–July                          | 455–2,000                           | Serpentine or<br>volcanic soils in<br>broadleaved upland<br>forest, chaparral,<br>cismontane<br>woodland, lower<br>montane coniferous<br>forest, and upper<br>montane coniferous<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Heckner's<br>stonecrop<br><i>Sedum laxum</i><br>subsp. <i>heckneri</i>   | -/-/-/4.3  | CNPS                           | Crassulaceae | perennial herb                | June–July                         | 100–2,100                           | Serpentine or<br>gabbroic soils in<br>lower montane<br>coniferous forest<br>and upper montane<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Applegate<br>stonecrop<br><i>Sedum<br/>oblanceolatum</i>                 | -/-/-/1B.1   | CNPS,<br>CNDDDB                | Crassulaceae | perennial herb                | June–July                         | 400–2,000                           | Rocky soils and<br>upper montane<br>coniferous forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |

| Common Name<br>Scientific Name   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family          | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|--|--|-----------------|-----------------|-------------------------------|-----------------------------------|-------------------------------------|--|--|
| Canyon Creek<br>stonecrop<br><i>Sedum<br/>obtusatum</i> spp.<br><i>paradisum</i>   | -/-/FSS/-/1B.3   | USFS            | Crassulaceae    | perennial herb                | May-June                          | 300–1,900                           | Granitic, rocky soils<br>in broadleaved<br>upland forest,<br>chaparral, lower<br>montane coniferous<br>forest, and subalpine<br>coniferous forest                | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Rocky Mountain<br>spike-moss<br><i>Selaginella<br/>scopulorum</i>                  | -/-/-/3  | CNPS            | Selaginellaceae | perennial<br>rhizomatous herb | August                            | 1,500–2,200                         | Decomposed<br>granitic, rocky soils<br>in North Coast<br>coniferous forest,<br>subalpine coniferous<br>forest, and upper<br>montane coniferous<br>forest         | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Redding<br>checkerbloom<br><i>Sidalcea celata</i>                                  | -/-/-/3  | CNPS            | Malvaceae       | perennial herb                | April–August                      | 135–1,525                           | Sometimes<br>serpentine soils in<br>cismontane<br>woodland   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Del Norte<br>checkerbloom<br><i>Sidalcea elegans</i>                               | -/-/-/3.3  | CNPS            | Malvaceae       | perennial<br>rhizomatous herb | May–July                          | 215–1,365                           | Serpentine soils in<br>chaparral and lower<br>montane coniferous<br>forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| maple-leaved<br>checkerbloom<br><i>Sidalcea<br/>malachroides</i>                   | -/-/-/4.2  | CNPS,<br>CNDDB  | Malvaceae       | perennial herb                | (March) April–<br>August          | 0–730                               | Often in disturbed<br>areas in broadleaved<br>upland forest,<br>coastal prairie,<br>coastal scrub, North<br>Coast coniferous<br>forest, and riparian<br>woodland | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Siskiyou<br>checkerbloom<br><i>Sidalcea<br/>malviflora</i> subsp.<br><i>patula</i> | -/-/-/BLMS/1B.2  | CNPS,<br>CNDDB  | Malvaceae       | perennial<br>rhizomatous herb | May–August                        | 15–880                              | Often roadcuts in<br>coastal bluff scrub,<br>coastal prairie, and<br>North Coast<br>coniferous forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |



| Common Name<br>Scientific Name   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family          | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|--|--|-----------------|-----------------|-------------------------------|-----------------------------------|-------------------------------------|--|--|
| coast<br>checkerbloom<br><i>Sidalcea</i><br><i>oregana</i> subsp.<br><i>eximia</i> | -/-/-/BLMS/1B.2  | CNPS,<br>CNDDDB | Malvaceae       | perennial herb                | June–August                       | 5–1,340                             | Lower montane<br>coniferous forest,<br>meadows and<br>seeps, and North<br>Coast coniferous<br>forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Marble Mountain<br>campion<br><i>Silene</i><br><i>marmorensis</i>                  | -/-/-/1B.2   | CNPS,<br>CNDDDB | Caryophyllaceae | perennial herb                | June–August                       | 170–1,250                           | Broadleafed upland<br>forest, chaparral,<br>cismontane<br>woodland, and lower<br>montane coniferous<br>forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| serpentine<br>catchfly<br><i>Silene</i><br><i>serpentinicola</i>                   | -/-/FSS/-/1B.2   | CNPS,<br>CNDDDB | Caryophyllaceae | perennial<br>rhizomatous herb | May–July                          | 145–1,650                           | Serpentine<br>openings, gravelly or<br>rocky soils in<br>chaparral and lower<br>montane coniferous<br>forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| English Peak<br>greenbrier<br><i>Smilax jamesii</i>                                | -/-/-/BLMS/4.2   | CNPS,<br>CNDDDB | Smilacaceae     | perennial<br>rhizomatous herb | May–July<br>(August–<br>October)  | 505–1,975                           | Streambanks and<br>lake margins, mesic<br>depressions,<br>broadleafed upland<br>forest, lower<br>montane coniferous<br>forest, marshes and<br>swamps, North<br>Coast coniferous<br>forest, and upper<br>montane coniferous<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| currant-leaved<br>desert mallow<br><i>Sphaeralcea</i><br><i>grossulariifolia</i>   | -/-/-/2B.3   | CNPS,<br>CNDDDB | Malvaceae       | perennial herb                | May–October                       | 1,200–2,100                         | Volcanic soils in<br>chenopod scrub and<br>Great Basin scrub   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |

| Common Name<br>Scientific Name  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family       | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|---|--|-----------------|--------------|-------------------------------|-----------------------------------|-------------------------------------|---|--|
| hairy marsh<br>hedge-nettle<br><i>Stachys pilosa</i>                  | -/-/-/2B.3   | CNPS,<br>CNDDDB | Lamiaceae    | perennial<br>rhizomatous herb | June–August                       | 1,200–1,770                         | Mesic Great Basin<br>scrub, meadows and<br>seeps  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| green-flowered<br>prince's plume<br><i>Stanleya<br/>viridiflora</i>   | -/-/-/2B.3   | CNPS,<br>CNDDDB | Brassicaceae | perennial herb                | May–August                        | 1,300–1,600                         | White ash deposits<br>in Great Basin scrub  | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| Howell's<br>jewelflower<br><i>Streptanthus<br/>howellii</i>           | -/-/FSS/-/1B.2   | USFS            | Brassicaceae | perennial herb                | July–August                       | 305–1,500                           | Serpentine, rocky<br>soils in lower<br>montane coniferous<br>forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Trinity River<br>jewelflower<br><i>Streptanthus<br/>oblanceolatus</i> | -/-/FSS/-/1B.2   | USFS            | Brassicaceae | perennial herb                | April–June                        | 20–420                              | Cismontane<br>woodland  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| glaucous<br>tauschia<br><i>Tauschia glauca</i>                        | -/-/-/4.3  | CNPS            | Apiaceae     | perennial herb                | April–June                        | 80–1,700                            | Gravelly, serpentine<br>soils in lower<br>montane coniferous<br>forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Howell's tauschia<br><i>Tauschia howellii</i>                         | -/-/FSS/-/1B.3   | CNPS,<br>CNDDDB | Apiaceae     | perennial herb                | June–August                       | 1,705–2,500                         | Granitic, gravelly<br>soils in subalpine<br>coniferous forest<br>and upper montane<br>coniferous forest   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| slender false<br>lupine<br><i>Thermopsis<br/>gracilis</i>             | -/-/-/4.3  | CNPS            | Fabaceae     | perennial<br>rhizomatous herb | March–July                        | 100–1,720                           | Chaparral,<br>cismontane<br>woodland, lower<br>montane coniferous<br>forest, meadows and<br>seeps, and North<br>Coast coniferous<br>forest Sometimes<br>roadsides | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |

| Common Name<br>Scientific Name   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family        | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale                      |
|--|--|-----------------|---------------|-------------------------------|-----------------------------------|-------------------------------------|--|---|
| robust false<br>lupine<br><i>Thermopsis<br/>robusta</i>                          | -/-/FSS/-/1B.2   | CNPS,<br>CNDDDB | Fabaceae      | perennial<br>rhizomatous herb | May–July                          | 150–1,500                           | Broadleafed upland<br>forest and North<br>Coast coniferous<br>forest   | Included;<br>documented<br>within the Primary<br>Area of Analysis<br>(CDFW 2017b) |
| trifoliolate<br>laceflower<br><i>Tiarella trifoliata<br/>var. trifoliata</i>     | -/-/-/3.2  | CNPS            | Saxifragaceae | perennial<br>rhizomatous herb | (May) June–<br>August             | 170–1,500                           | Edges, moist shady<br>streambanks in<br>lower montane<br>coniferous forest<br>and North Coast<br>coniferous forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| beaked tracyina<br><i>Tracyina rostrata</i>                                      | -/-/FSS/-/1B.2   | USFS            | Asteraceae    | annual herb                   | May–June                          | 90–750                              | Chaparral,<br>cismontane<br>woodland, and<br>valley and foothill<br>grassland                                      | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Siskiyou clover<br><i>Trifolium<br/>siskiyouense</i>                             | -/-/-/1B.1   | CNPS,<br>CNDDDB | Fabaceae      | perennial herb                | June–July                         | 880–1,500                           | Mesic meadows and<br>seeps, sometimes<br>streambanks   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Salmon<br>Mountains<br>wakerobin<br><i>Trillium ovatum<br/>subsp. oettingeri</i> | -/-/-/4.2  | CNPS            | Melanthiaceae | perennial herb                | February–July                     | 855–2,024                           | Mesic soils in lower<br>montane coniferous<br>forest, riparian<br>scrub, and upper<br>montane coniferous<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Kellogg's sand-<br>verbena<br><i>Tripterocalyx<br/>crux-maltae</i>               | -/-/-/2B.2   | CNPS            | Nyctaginaceae | perennial herb                | May–July                          | 1,200–1,500                         | Partially or fully<br>stabilized sand<br>dunes in Great<br>Basin scrub   | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range        |

| Common Name<br>Scientific Name   | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family         | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale               |
|--|--|-----------------|----------------|-------------------------------|-----------------------------------|-------------------------------------|--|--|
| yellow triteleia<br><i>Triteleia crocea</i><br>var. <i>crocea</i>            | -/-/-/4.3  | CNPS            | Themidaceae    | perennial<br>bulbiferous herb | May–June                          | 1,200–2,000                         | Granitic or<br>serpentine soils in<br>lower montane<br>coniferous forest                                     | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |
| large-flowered<br>triteleia<br><i>Triteleia</i><br><i>grandiflora</i>        | -/-/-/2B.1   | CNPS,<br>CNDDDB | Themidaceae    | perennial<br>bulbiferous herb | April–June                        | 700–1,500                           | Great Basin scrub<br>and Pinyon and<br>juniper woodland  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Henderson's<br>triteleia<br><i>Triteleia</i><br><i>hendersonii</i>           | -/-/-/2B.2   | CNPS,<br>CNDDDB | Themidaceae    | perennial<br>bulbiferous herb | May–July                          | 760–1,200                           | Cismontane<br>woodland   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Siskiyou<br>Mountains<br>huckleberry<br><i>Vaccinium</i><br><i>coccineum</i> | -/-/-/3.3  | CNPS            | Ericaceae      | perennial<br>deciduous shrub  | June–August                       | 1,095–2,135                         | Often serpentine<br>soils in lower<br>montane coniferous<br>forest and upper<br>montane coniferous<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| little-leaved<br>huckleberry<br><i>Vaccinium</i><br><i>scoparium</i>         | -/-/-/2B.2   | CNPS,<br>CNDDDB | Ericaceae      | perennial<br>deciduous shrub  | June–August                       | 1,036–2,200                         | Rocky soils in<br>subalpine coniferous<br>forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Siskiyou false-<br>hellebore<br><i>Veratrum</i><br><i>insolitum</i>          | -/-/-/4.3  | CNPS            | Melanthiaceae  | perennial herb                | June–August                       | 45–1,635                            | Clay soils in<br>chaparral and lower<br>montane coniferous<br>forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis   |
| Copeland's<br>speedwell<br><i>Veronica</i><br><i>copelandii</i>              | -/-/-/4.3  | CNPS            | Plantaginaceae | perennial herb                | August                            | 2,225–2,590                         | Serpentine soils in<br>meadows and seeps<br>and subalpine<br>coniferous forest                               | Excluded; outside<br>of the Primary<br>Area of Analysis<br>elevation range |

| Common Name<br>Scientific Name  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family    | Life-form                     | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale             |
|---|--|-----------------|-----------|-------------------------------|-----------------------------------|-------------------------------------|--|--|
| Howell's violet<br><i>Viola howellii</i>  | -/-/-/2B.2   | CNPS,<br>CNDDDB | Violaceae | perennial herb                | May–June                          | 655                                 | North Coast<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| western white<br>bog violet<br><i>Viola lanceolata</i><br>ssp. <i>occidentalis</i>                | -/-/FSS/-/1B.2   | USFS            | Violaceae | perennial<br>rhizomatous herb | April–September                   | 100–990                             | Serpentine soils in<br>bogs and fens,<br>marshes and<br>swamps   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| alpine marsh<br>violet<br><i>Viola palustris</i>  | -/-/-/2B.2   | CNPS,<br>CNDDDB | Violaceae | perennial<br>rhizomatous herb | March–August                      | 0–150                               | Coastal bogs and<br>fens and mesic<br>coastal scrub  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| western white<br>bog violet <i>V</i><br><i>iola primulifolia</i><br>subsp.<br><i>occidentalis</i> | -/-/-/1B.2   | CNPS            | Violaceae | perennial<br>rhizomatous herb | April–September                   | 100–990                             | Serpentine bogs and<br>fens and marshes<br>and swamps  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| <b>Bryophytes</b>   |  |                 |           |                               |                                   |                                     |  |  |
| slender silver<br>moss<br><i>Anomobryum</i><br><i>julaceum</i>                                    | -/-/-/4.2  | CNPS,<br>CNDDDB | Bryaceae  | moss                          | N/A                               | 100–1,000                           | Damp rock and soil<br>on outcrops, usually<br>on roadcuts in<br>broadleaved upland<br>forest, lower<br>montane coniferous<br>forest, and North<br>Coast coniferous<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |

| Common Name<br>Scientific Name                            | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family         | Life-form      | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale                      |
|---|--|-----------------|----------------|----------------|-----------------------------------|-------------------------------------|--|---|
| buxbaumia moss<br><i>Buxbaumia<br/>viridis</i>            | --<br>/FSS/BLMS/2B.2                                       | CNPS,<br>CNDDDB | Buxbaumiaceae  | moss           | N/A                               | 975–2,200                           | Fallen, decorticated<br>wood or humus in<br>lower montane<br>coniferous forest,<br>subalpine coniferous<br>forest, and upper<br>montane coniferous<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| naked flag moss<br><i>Discelium nudum</i>                 | -/-/-/2B.2   | CNPS,<br>CNDDDB | Disceliaceae   | ephemeral moss | N/A                               | 10–50                               | Clay banks in<br>coastal bluff scrub   | Included;<br>documented<br>within the Primary<br>Area of Analysis<br>(CDFW 2017b) |
| minute pocket<br>moss<br><i>Fissidens<br/>pauperculus</i> | -/-/FSS/-/1B.2   | CNPS,<br>CNDDDB | Fissidentaceae | moss           | N/A                               | 10–1,024                            | Damp soil in coastal<br>North Coast<br>coniferous forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Blandow's bog<br>moss<br><i>Helodium<br/>blandowii</i>    | -/-/-/2B.3   | CNPS,<br>CNDDDB | Helodiaceae    | moss           | N/A                               | 1,862–2,700                         | Damp soil in<br>meadows and seeps<br>and subalpine<br>coniferous forest  | Excluded; outside<br>of Primary Area of<br>Analysis elevation<br>range            |
| three-ranked<br>hump moss<br><i>Meesia triquetra</i>      | -/-/-/4.2  | CNPS,<br>CNDDDB | Meesiaceae     | moss           | July                              | 1,300–2,953                         | Soil in bogs and<br>fens, meadows and<br>seeps, subalpine<br>coniferous forest,<br>and mesic upper<br>montane coniferous<br>forest                           | Excluded; outside<br>of Primary Area of<br>Analysis elevation<br>range            |

| Common Name<br>Scientific Name  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family             | Life-form | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale                      |
|---|--|-----------------|--------------------|-----------|-----------------------------------|-------------------------------------|---|---|
| broad-nerved<br>hump moss<br><i>Meesia uliginosa</i>                      | -/-/-/2B.2   | CNPS,<br>CNDDDB | Meesiaceae         | moss      | July, October                     | 1,210–2,804                         | Damp soils in bogs<br>and fens, meadows<br>and seeps,<br>subalpine coniferous<br>forest, and upper<br>montane coniferous<br>forest  | Excluded; outside<br>of Primary Area of<br>Analysis elevation<br>range            |
| elongate copper<br>moss<br><i>Mielichhoferia<br/>elongata</i>             | -/-/FSS/-/4.3  | CNPS,<br>CNDDDB | Mielichhoferiaceae | moss      | N/A                               | 0–1,960                             | Metamorphic rock,<br>usually acidic,<br>usually vernal<br>mesic, and<br>sometimes<br>carbonate soils in<br>broadleaved upland<br>forest, chaparral,<br>cismontane<br>woodland, coastal<br>scrub, lower<br>montane coniferous<br>forest, meadows and<br>seeps, and<br>subalpine coniferous<br>forest | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis          |
| Holzinger's<br>orthotrichum<br>moss<br><i>Orthotrichum<br/>holzingeri</i> | -/-/-/1B.3   | CNPS,<br>CNDDDB | Orthotrichaceae    | moss      | N/A                               | 715–1,800                           | Usually on rock in<br>and along streams,<br>and rarely on tree<br>limbs in cismontane<br>woodland, lower<br>montane coniferous<br>forest, pinyon and<br>juniper woodland,<br>and upper montane<br>coniferous forest   | Included;<br>documented<br>within the Primary<br>Area of Analysis<br>(CDFW 2017b) |

| Common Name<br>Scientific Name  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family       | Life-form                    | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>  | Included in or<br>Excluded from<br>the EIR, and<br>Rationale          |
|---|--|-----------------|--------------|------------------------------|-----------------------------------|-------------------------------------|---|---|
| Pacific fuzz wort<br><i>Ptilidium<br/>californicum</i>                | -/-/-/BLMS/4.3   | CNPS,<br>CNDDDB | Ptilidiaceae | liverwort                    | May–August                        | 1,140–1,800                         | Usually epiphytic on trees, fallen and decaying logs, and stumps and rarely on humus over boulders in lower montane coniferous forest and upper montane coniferous forest | Included; potential habitat within the Primary Area of Analysis       |
| cylindrical trichodon<br><i>Trichodon<br/>cylindricus</i>             | -/-/-/-/2B.2   | CNPS,<br>CNDDDB | Ditrichaceae | moss                         | N/A                               | 50–2,002                            | Sandy, exposed soil, roadbanks in broadleafed upland forest, meadows and seeps, and upper montane coniferous forest   | Included; potential habitat within the Primary Area of Analysis       |
| coastal triquetrella<br><i>Triquetrella<br/>californica</i>           | -/-/-/-/1B.2   | CNPS,<br>CNDDDB | Pottiaceae   | moss                         | N/A                               | 10–100                              | On soils in coastal bluff scrub and coastal scrub   | Included; documented within the Primary Area of Analysis (CDFW 2017b) |
| <b>Lichen</b>   |  |                 |              |                              |                                   |                                     |   |   |
| false gray horsehair lichen<br><i>Bryoria<br/>pseudocapillaris</i>    | -/-/-/-/3.2  | CNPS            | Parmeliaceae | fruticose lichen (epiphytic) | N/A                               | 0–90                                | Usually on conifers in North Coast coniferous forest  | Included; potential habitat within the Primary Area of Analysis       |
| spiral-spored gilded-head pin lichen<br><i>Calicium<br/>adspersum</i> | -/-/FSS/-/2B.2   | CNPS,<br>CNDDDB | Caliciaceae  | crustose lichen (epiphytic)  | N/A                               | 200                                 | Often restricted to bark of conifers that are over 200 years old in lower montane coniferous forest and North Coast coniferous forest                                     | Included; potential habitat within the Primary Area of Analysis       |



| Common Name<br>Scientific Name                                    | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family        | Life-form                       | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale             |
|---|--|-----------------|---------------|---------------------------------|-----------------------------------|-------------------------------------|--|--|
| western waterfan<br>lichen<br><i>Peltigera</i><br><i>gowardii</i> | -/-/FSS/-/4.2  | USFS            | Peltigeraceae | foliose lichen<br>(aquatic)     | N/A                               | 1,065–2,620                         | On rocks in cold<br>water creeks with<br>little or no sediment<br>or disturbance in<br>riparian forest   | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| angel's hair<br>lichen<br><i>Ramalina</i><br><i>thrausta</i>      | -/-/FSS/-/2B.1   | USFS            | Ramalinaceae  | fruticose lichen<br>(epiphytic) | N/A                               | 75–430                              | On dead twigs and<br>other lichens in<br>North Coast<br>coniferous forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| groovy beard<br>lichen<br><i>Sulcaria</i><br><i>badia</i>         | -/-/FSS/-/-  | USFS            | Alectoriaceae | fruticose lichen<br>(epiphytic) | N/A                               | 0–670                               | Mesic mixed<br>hardwood/mid-<br>mature <i>Pseudotsuga</i><br><i>menziesii</i> forest, with<br>additional<br>hardwoods ( <i>Quercus</i><br><i>kelloggii</i> ) occasional<br>in the vicinity. <sup>8</sup> | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |
| Methuselah's<br>beard lichen<br><i>Usnea</i><br><i>longissima</i> | -/-/-/BLMS/4.2   | CNPS,<br>CNDDB  | Parmeliaceae  | fruticose lichen<br>(epiphytic) | N/A                               | 50–1,460                            | On tree branches,<br>usually on old-<br>growth hardwoods<br>and conifers in<br>broadleaved upland<br>forest and North<br>Coast coniferous<br>forest  | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |

| Common Name<br>Scientific Name  | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family           | Life-form | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale    |
|---|--|-----------------|------------------|-----------|-----------------------------------|-------------------------------------|--|---|
| <b>Fungi<sup>8</sup></b>  |  |                 |                  |           |                                   |                                     |  |   |
| <i>Cudonia monticola</i>  | -/-/FSS/-/-  | USFS            | Cudoniaceae      | fungi     | fruits primarily in spring        | 160–1,827                           | Common under conifers in mature moist coniferous forests in northern CA and the Pacific Northwest. Typically associated with very rotten wood. | Included; potential habitat within the Primary Area of Analysis |
| branched<br><i>Collybia</i><br><i>Dendrocollybia racemosa</i>                           | -/-/FSS/-/-  | USFS            | Tricholomataceae | fungi     | fruits in autumn                  | Unknown                             | Grows on the remains of decayed mushrooms, or in duff of mixed hardwood-conifer woods in Pacific Northwest                                     | Included; potential habitat within the Primary Area of Analysis |
| <i>Otidea smithii</i>   | -/-/FSS/-/-  | USFS            | Pyronemataceae   | fungi     | fruits August-December            | 381–1,144                           | Usually under conifer forests in Pacific Northwest and Northern California   | Included; potential habitat within the Primary Area of Analysis |
| Olive<br><i>Phaeocollybia</i><br><i>Phaeocollybia olivacea</i>                          | -/-/FSS/-/-  | USFS            | Cortinariaceae   | fungi     | fruits September-December         | 6–962                               | Grows on ground in mixed woods and under conifers in southern Oregon and northern California   | Included; potential habitat within the Primary Area of Analysis |
| red-pored Bolete<br><i>Rubroboletus pulcherrimus</i><br>[ <i>Boletus pulcherrimus</i> ] | -/-/FSS/-/-  | USFS            | Boletaceae       | fungi     | fruits July-December              | 13–1,713                            | In mixed hardwood-conifer forests. Often found growing under conifers  | Included; potential habitat within the Primary Area of Analysis |

| Common Name<br><i>Scientific Name</i> | Status <sup>1</sup><br>Federal/<br>State/USFS/<br>BLM/CRPR | Query<br>Source | Family           | Life-form | Blooming<br>Period <sup>2,3</sup> | Elevation<br>Range <sup>2</sup> (m) | Habitat<br>Associations <sup>2</sup>   | Included in or<br>Excluded from<br>the EIR, and<br>Rationale             |
|---------------------------------------|--|-----------------|------------------|-----------|-----------------------------------|-------------------------------------|--|--|
| <i>Tricholomopsis<br/>fulvescens</i>  | -/-/FSS/-/-  | USFS            | Tricholomataceae | fungi     | Unknown                           | 1,000–<br>unknown                   | Grows on rotting<br>conifer logs in the<br>Pacific Northwest<br>and northern<br>California | Included; potential<br>habitat within the<br>Primary Area of<br>Analysis |

N/A = Not applicable

<sup>1</sup> Status:

Federal

FE Federally Endangered  
FT Federally Threatened  
– No federal status

State

CE California State Endangered  
CR California State Rare  
OE Oregon State Endangered  
– No state status

USDA Forest Service

FSS USDA Forest Service Sensitive  
– No USFS status

BLM

BLMS BLM Sensitive  
– No BLM status

California Rare Plant Rank (formerly known as CNPS Lists)

List 1B Plants rare, threatened, or endangered in California and elsewhere  
List 2B Plants rare, threatened, or endangered in California, but more common elsewhere  
List 3 More information needed about this plant, a review list  
List 4 Plants of limited distribution, a watch list  
– No CRPR status

CNPS Threat Ranks:

0.1 Seriously threatened in California (high degree/immediacy of threat)  
0.2 Fairly threatened in California (moderate degree/immediacy of threat)  
0.3 Not very threatened in California (low degree/immediacy of threats or no current threats known)

<sup>2</sup> CDFW. 2017a. Natural Diversity Database. April 2017. Special vascular plants, bryophytes, and lichens list. Quarterly publication. CNPS. 2017. Inventory of rare and endangered plants (online edition, v8-03 0.39). California Native Plant Society, Sacramento, California. <http://www.rareplants.cnps.org/> [Accessed May 2017]. Baldwin, B. G., D. H. Goldman, D. J. Keil, R. Patterson, T. J. Rosatti, and D. H. Wilken, editors. 2012. The Jepson manual: vascular plants of California, second edition. University of California Press, Berkeley. Unless otherwise cited.

<sup>3</sup> Species may bloom in months listed in parentheses but there are outside of the most common blooming range

<sup>4</sup> Details regarding what special-status plants are documented and may have potential habitat in the Secondary Area of Analysis are not included since this area was analyzed at a programmatic level.

<sup>5</sup> CDFW. 2017b. California Natural Diversity Database. RareFind5. Electronic database. Natural Heritage Division, California Department of Fish and Game, Sacramento, California. <https://map.dfg.ca.gov/rarefind/view/RareFind.aspx> [Accessed May 2017].

<sup>6</sup> Oregon Department of Agriculture. 2017. Applegate's milkvetch (*Astragalus applegatei*). Prepared by Oregon Department of Agriculture, Salem.

<sup>7</sup> PacifiCorp. 2004a. Terrestrial resources. Klamath Hydroelectric Project (FERC Project No. 2082). Final Technical Report. Prepared by PacifiCorp, Portland, Oregon.

<sup>8</sup> USDA Forest Service. 2012. Region 5 U.S. Forest Service sensitive vascular plant, bryophyte & lichen species. Evaluation & Documentation Form for *Sulcaria badia*.

<sup>8</sup> Information sources include Arora, D. 1986. Mushrooms demystified a comprehensive guide to the fleshy fungi. Second edition. Ten Speed Press, Berkeley, California; and USDA Forest Service and BLM (Bureau of Land Management). 2017. Interagency Special Status/Sensitive Species Program (ISSSSP). Website. <https://www.fs.fed.us/r6/sfpnw/issssp/species-index/flora-fungi.shtml> [Accessed September 20, 2017].

Table J-3. Special-status Terrestrial Wildlife Documented in the Project Vicinity.

| Common Name<br>Scientific Name                           | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources | Distribution in California  | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale  |
|--|--|---------------|---|--|---|
| <b>Invertebrates</b>                                     |  |               |   |  |   |
| Hooded lancetooth<br><i>Ancotrema voyanum</i>            | --/--/BLMS   | CNDDDB        | Occurs mostly in the Shasta-Trinity National forests in the northern half of Trinity County | Limestone substrates, mostly in an elevation range of 550–3,100 feet   | Included for further analysis as documented in Primary Area of Analysis <sup>b</sup> as the species was documented in 1992 approximately 4 miles southwest of Orleans and approximately 0.2 miles from the Klamath River (greater than 100 river miles (RM) downstream of Iron Gate Dam) (CDFW 2017 <sup>c</sup> ). |
| Oregon shoulderband<br><i>Helminthoglypta hertleini</i>  | --/--/BLMS   | CNDDDB        | Siskiyou, Shasta, and Tehama counties   | Found on basaltic talus slopes where ground cover/moisture is present; adapted to dry conditions during a portion of the year                                  | Included for further analysis as a single occurrence has been documented within the Primary Area of Analysis approximately 100 RM downstream of Iron Gate Dam (no documentation date) (CDFW 2017 <sup>c</sup> ).  |
| Trinity shoulderband<br><i>Helminthoglypta talmadgei</i> | --/--/BLMS   | CNDDDB        | Streams in the Klamath mountains  | Limestone rockslides, litter in coniferous forests, old mine tailings, and along shaded streams  | Included for further analysis as a single occurrence within the Primary Area of Analysis was documented at mine tailings in 1954 more than 100 RM downstream of Iron Gate Dam (CDFW 2017 <sup>c</sup> ).  |
| Siskiyou shoulderband<br><i>Monadenia chaceana</i>       | --/--/BLMS   | CNDDDB        | Siskiyou County   | Lower reaches of major drainages. Talus and rock slides, under rocks and woody debris in moist conifer forests, caves, and riparian corridors in shrubby areas | Included for further analysis as a single occurrence has been documented within the Primary Area of Analysis approximately 0.25 RM downstream of Copco No. 2 Dam in a lava rockslide (no documentation date) (CDFW 2017 <sup>c</sup> ).   |

| Common Name<br>Scientific Name   | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources  | Distribution in California   | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale  |
|--|--|--|--|--|---|
| Tehama chaparral<br><i>Trilobopsis<br/>tehamana</i>                    | --/--/FSS, BLMS  | USDA-FS,<br>CNDDDB   | Butte, Tehama, and Siskiyou<br>counties.   | Rocky talus and under leaf litter or<br>woody debris within 330 feet of<br>limestone outcrops  | Included for further analysis as<br>documented in the Primary Area of<br>Analysis in 1990 and 1994—one<br>sighting near the Klamath River and<br>another along the hill slope, both<br>more 20 RM downstream of Iron<br>Gate Dam (CDFW 2017 <sup>c</sup> ). |
| Western bumblebee<br><i>Bombus occidentalis</i>                        | --/--/FSS  | USDA-FS,<br>CNDDDB   | Limited information about<br>current distribution; historically<br>throughout central and<br>northern California.  | Shrub, chaparral, and open grassy<br>areas (urban parks, mountain<br>meadows)  | Included for further analysis as<br>species was documented in Primary<br>Area of Analysis; however, all six<br>sightings are from 1969 and earlier<br>more than 70 RM downstream of<br>Iron Gate Dam (CDFW 2017 <sup>c</sup> ).                             |
| Franklin's<br>bumblebee<br><i>Bombus franklini</i>                     | Petition to list/--/--   | Under review as<br>noted by USFWS<br>( <a href="https://ecos.fws.gov">https://ecos.fws.gov</a> ) | In northern California the<br>range is known or believed to<br>occur in Del Norte, Trinity, and<br>Humboldt counties, and<br>portions of Siskiyou county | Pollen and nectar sources from wild<br>flowers   | Excluded from further analysis. The<br>species range includes the Lower<br>Klamath river and estuary and a<br>portion of the Middle Klamath River<br>approximately 80 RM downstream of<br>Iron Gate Dam, and no suitable<br>habitat would be affected.      |
| Oregon silverspot<br>butterfly<br><i>Speyeria zerene<br/>hippolyta</i> | FT/--/--<br><br>No critical habitat<br>designated within the<br>Primary Area of<br>Analysis      | USFWS  | Limited sites  | Young dependent on the early blue<br>violet ( <i>Viola adunca</i> ), which grows<br>best in undisturbed coastal prairies<br>and montane grasslands | Excluded from further analysis as<br>there are no documented<br>occurrences by CNDDDB in the<br>Primary Area of Analysis, no critical<br>habitat designated within the Primary<br>Area of Analysis and not within the<br>known range of the species.        |
| Mardon skipper<br><i>Polites mardon</i>                                | --/--/FSS  | USDA-FS  | Del Norte County   | Grassy openings in subalpine<br>coniferous forests where the<br>caterpillars feed primarily on fescue<br>grasses                                   | Excluded from further analysis as the<br>known range does not occur within<br>the Primary Area of Analysis  |

| Common Name<br>Scientific Name   | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources      | Distribution in California  | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale   |
|--|--|--------------------|---|--|--|
| <b>Amphibians</b>  |  |                    |   |  |  |
| Southern torrent<br>(=southern seep)<br>salamander<br><i>Rhyacotriton<br/>variegatus</i> | -/SSC/FSS  | USDA-FS,<br>CNDDDB | Coastal drainages from near<br>Point Arena in Mendocino<br>County to the Oregon border  | In and adjacent to cold, permanent,<br>well shaded mountain springs,<br>waterfalls, and seeps with rock<br>substrate | Included for further analysis as the<br>species has been documented in<br>Primary Area of Analysis. Although<br>not observed in California during<br>PacifiCorp amphibian surveys<br>(PacifiCorp 2004a <sup>c</sup> ), approximately<br>10 sightings have been recorded, 50<br>RM or more downstream from Iron<br>Gate Dam typically along tributaries<br>or at the confluence to the Klamath<br>River. The most recent sighting was<br>from 2007. |
| Southern long-toed<br>salamander<br><i>Ambystoma<br/>macrodictylum<br/>sigillatum</i>    | -/SSC/-  | CNDDDB             | Northeast California and along<br>the northern Sierra Nevada<br>south to Garner Meadows and<br>Spicer Reservoir, and in Trinity<br>and Siskiyou Counties near<br>the Trinity Alps | Alpine meadows and high mountain<br>ponds and lakes  | Excluded from further analysis as<br>there are no CNDDDB occurrences<br>within the Primary Area of Analysis<br>and only one occurrence within the<br>Project Vicinity (CDFW 2017 <sup>c</sup> ). The<br>species was not documented in<br>California during PacifiCorp<br>amphibian surveys (PacifiCorp<br>2004a <sup>d</sup> , 2004b <sup>e</sup> ).   |
| Scott Bar<br>salamander<br><i>Plethodon asupak</i>                                       | -/ST/-   | CNDDDB             | Found in a very small area of<br>the Siskiyou Mountains near<br>the confluence of the Klamath<br>and Scott Rivers   | Rocky forested areas, especially thick<br>moss-covered talus; elevation range<br>approximately 1,500–2,000 feet      | Included for further analysis as<br>documented in Primary Area of<br>Analysis Although not documented in<br>California during PacifiCorp<br>amphibian surveys (PacifiCorp<br>2004a <sup>d</sup> , 2004b <sup>e</sup> , between 1996 and<br>2005, the species was documented<br>at four locations approximately 30<br>RM downstream of Iron Gate Dam<br>(CDFW 2017 <sup>c</sup> ).  |

| Common Name<br>Scientific Name                              | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources      | Distribution in California   | Habitat Association   | Included in or Excluded from EIR,<br>and Rationale   |
|---|--|--------------------|--|---|--|
| Siskiyou Mountains<br>salamander<br><i>Plethodon stormi</i> | --/ST/FSS  | USDA-FS,<br>CNDDDB | Found within a small location<br>of the Siskiyou Mountains, in<br>northern Siskiyou county                 | Loose rock talus on north-facing<br>slopes or in dense wooded areas;<br>also under bark near talus            | Included for further analysis as<br>documented in Primary Area of<br>Analysis Although not documented in<br>California during PacifiCorp<br>amphibian surveys (PacifiCorp<br>2004a <sup>d</sup> ), the species was<br>documented between 1972 and 2003<br>at five locations approximately 30<br>RM downstream of Iron Gate Dam<br>(CDFW 2017 <sup>c</sup> ).   |
| Pacific tailed frog<br><i>Ascaphus truei</i>                | -/SSC/-  | CNDDDB             | Coastal Mendocino County<br>north to the Oregon border,<br>with an isolated population in<br>Shasta region | In and adjacent to cold, clear,<br>moderate- to fast-flowing, perennial<br>mountain streams in conifer forest | Included for further analysis as<br>documented in the Primary Area of<br>Analysis Although not documented in<br>California during PacifiCorp<br>amphibian surveys (PacifiCorp<br>2004a <sup>d</sup> ), the species was observed<br>in 1989 at the confluence of a<br>tributary to the Klamath River<br>approximately 60 RM downstream<br>from Iron Gate Dam. Farther<br>downstream, five additional<br>occurrences are documented along<br>tributaries to the Klamath River or at<br>the confluence (CDFW 2017 <sup>c</sup> ). |

| Common Name<br>Scientific Name                        | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources      | Distribution in California   | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale   |
|---|--|--------------------|--|--|--|
| Foothill yellow-<br>legged frog<br><i>Rana boylei</i> | Petition to list/ SCT,<br>SSC/FSS, BLMS  | USDA-FS,<br>CNDDDB | From the Oregon border along<br>the coast to the Transverse<br>Ranges, and south along the<br>western side of the Sierra<br>Nevada Mountains to Kern<br>County; a possible isolated<br>population in Baja California | Shallow tributaries and mainstems of<br>perennial streams and rivers, typically<br>associated with cobble or boulder<br>substrate  | Included for further analysis as the<br>species was documented in the<br>Primary Area of Analysis. Although<br>not documented in during PacifiCorp<br>amphibian surveys (PacifiCorp<br>2004a <sup>d</sup> , 2004b <sup>e</sup> ), a few sightings<br>have been recorded—in 2017 on the<br>Lower Klamath River, approximately<br>13 RM upstream of the estuary (M.<br>Wikaira Yurok Tribe to Parker Thaler,<br>pers. comm., January 2018),<br>approximately 20 RM upstream of<br>the estuary by landowner Green<br>Diamond in 1994 (CDFW 2017 <sup>c</sup> ),<br>and approximately 50 RM<br>downstream from Iron Gate Dam in<br>1970 and farther downstream in<br>1976 (CDFW 2017 <sup>c</sup> ). |
| Cascades frog<br><i>Rana cascadae</i>                 | -/SCE, SSC/FSS   | USDA-FS,<br>CNDDDB | Range extends as isolated,<br>noncontiguous patches along<br>the Cascade mountain corridor<br>to the Sierra Nevada<br>Mountains in California.   | Wet meadows, bogs, moist forests,<br>pond and stream edges; breeds in<br>bogs or ponds with cold alpine springs<br>or snow melt and lays eggs in water<br>depths < 20 cm | Excluded from further analysis as the<br>species range is within isolated<br>patches sub-alpine meadows, which<br>are not present within the Primary<br>Area of Analysis, no individuals were<br>documented in California during<br>PacifiCorp amphibian surveys<br>(PacifiCorp 2004a <sup>d</sup> ), and no CNDDDB<br>occurrences are within the Area of<br>Analysis; only one occurrence within<br>the Project Vicinity (CDFW 2017 <sup>c</sup> ).   |



| Common Name<br>Scientific Name                 | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources      | Distribution in California  | Habitat Association   | Included in or Excluded from EIR,<br>and Rationale  |
|--|--|--------------------|---|---|---|
| Northern red-legged frog<br><i>Rana aurora</i> | -/SSC/FSS  | USDA-FS,<br>CNDDDB | Ranges from Mill Creek in Mendocino County to Oregon border   | Breeds in still or slow-moving water with emergent and overhanging vegetation, including wetlands, wet meadows, ponds, lakes, and low-gradient, slow-moving stream reaches with permanent pools; uses adjacent uplands for dispersal and summer retreat | Included for further analysis as although the species was not documented in California during PacifiCorp amphibian surveys (PacifiCorp 2004a <sup>d</sup> ), a 1995 sighting was documented in the Primary Area of Analysis approximately 20 RM upstream of the Klamath estuary along Klamath River in mats of vegetation (CDFW 2017 <sup>e</sup> ).  |
| Oregon spotted frog<br><i>Rana pretiosa</i>    | FT/SSC/BLMS<br><br>No critical habitat designated within the Primary Area of Analysis            | USFWS              | Found in the extreme northeastern area of California, and known in only few localities including Pine Creek, South Fork Pitt River near Alturas, Warner Mountains, and the southwest side of Lower Klamath Lake | Slow-moving and still water in wetlands, ponds, and lake/river edges  | Excluded from further analysis as no critical habitat is designated within the Primary Area of Analysis, the species was not documented in California during PacifiCorp amphibian surveys (PacifiCorp 2004a <sup>d</sup> ), no critical habitat is designated within the Primary Area of Analysis, and there are no record in CNDDDB within the Area of Analysis (CDFW 2017 <sup>e</sup> ). |

| Common Name<br>Scientific Name                    | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources               | Distribution in California   | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale   |
|---|--|-----------------------------|--|--|--|
| <b>Reptiles</b>                                   |  |                             |  |  |  |
| Western pond turtle<br><i>Actinemys marmorata</i> | Petition to list/SSC/FSS, BLMS   | USDA-FS, CNDDDB, PacifiCorp | From the Oregon border along the coast ranges to the Mexican border, and west of the crest of the Cascades and Sierras | Permanent, slow-moving fresh or brackish water with available basking sites and adjacent open habitats or forest for nesting | Included for further analysis as the species was documented during PacifiCorp surveys in the Primary Area of Analysis at Copco No. 1 and Iron Gate Reservoirs, along J.C. Boyle peaking reach in California, and along Klamath River from Iron Gate Dam to Shasta River (PacifiCorp 2004a <sup>d</sup> ). Approximately 10 RM downstream of Iron Gate Dam, an individual was observed basking approximately 0.5 miles upstream of Williams Creek in November 2005 (CDFW 2017 <sup>e</sup> ). (CDFW 2017 <sup>e</sup> ). KRRC Pre-Proposed Project surveys documented pond turtles on the northern and southern shoreline of the northeastern extent of Iron Gate Reservoir, Jenny Creek, and western and southern shores and western cove of Copco No. 1 Reservoir (CDM Smith 2018 <sup>f</sup> ). |

| Common Name<br>Scientific Name                                     | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources | Distribution in California   | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale   |
|--|--|---------------|--|--|--|
| Northern sagebrush lizard<br><i>Sceloporus graciosus graciosus</i> | -/-/BLMS   | PacifiCorp    | Sierra Nevada and the northeast corner of the state  | Inhabits sagebrush, chaparral, juniper woodlands, and dry conifer forests          | Included for further analysis as the species was documented in the Primary Area of Analysis during PacifiCorp surveys near the edge of a forested wetland along Iron Gate Reservoir (PacifiCorp 2004a <sup>d</sup> ). KRRC Pre-Proposed Project surveys documented in several areas surrounding Copco No. 1 Reservoir and Iron Gate Reservoir, including Bogus Creek fish hatchery and recreational areas (CDM Smith 2018 <sup>f</sup> ).  |
| <b>Birds</b>   |  |               |  |  |  |
| American white pelican<br><i>Pelecanus erythrorhynchos</i>         | -/SSC/-  | PacifiCorp    | Throughout California, from wintering in the Central Valley to breeding within a restricted range along the California/Oregon border | Nests at lakes and marshes and uses almost any lake outside of the breeding season | Included for further analysis as the species was documented in the Primary Area of Analysis at the Copco Dam and Iron Gate Dam areas in 2017 (AECOM 2017 <sup>g</sup> ), PacifiCorp surveys (PacifiCorp 2004a <sup>d</sup> ), and eBird (2018 <sup>g</sup> ). Numerous observations east of the Proposed Project near the Lower Klamath National Wildlife Refuge and Tule Lake National Wildlife Refuge (eBird 2018 <sup>g</sup> ). Documented during KRRC Pre-Proposed Project surveys throughout Copco No. 1 Reservoir and Iron Gate Reservoir, specifically Mirror Cove Recreation Area and near boom in front of Iron Gate Dam (CDM Smith 2018 <sup>f</sup> ). |

| Common Name<br>Scientific Name                        | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources | Distribution in California   | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale  |
|---|--|---------------|--|--|---|
| Barrow's goldeneye<br><i>Bucephala islandica</i>      | -/SSC/-  | PacifiCorp    | Northern California during the winter (non-breeding) season  | May be found in open water and riverine habitat. Typically breeds around isolated mountain lakes; nesting habitat includes mixed conifer forest and ponderosa pine forests with sparse to moderate tree canopy closure close to lakes and ponds. Nests in cavities, including artificial nest boxes. | Included for further analysis as the species was documented in the Primary Area of Analysis during PacifiCorp surveys at Copco and Iron Gate reservoirs, primarily between January and April (PacifiCorp 2004a <sup>d</sup> ) prior to northward migration. Also documented on the Klamath River downstream of Iron Gate Dam (eBird 2018). Species documented east of the Proposed Project at the Lower Klamath National Wildlife Refuge and Tule Lake National Wildlife Refuge (eBird 2018 <sup>g</sup> ). |
| Common loon<br><i>Gavia immer</i>                     | -/SSC/-  | PacifiCorp    | Found throughout the state   | Freshwater lakes, rivers, estuaries, and coastlines  | Included for further analysis as species was documented in the Primary Area of Analysis during PacifiCorp surveys at Iron Gate Reservoir (PacifiCorp 2004a <sup>d</sup> ). Species also documented at Iron Gate Reservoir and near Copco No. 1 Reservoir (eBird 2018 <sup>g</sup> ). Documented during KRRRC pre-Proposed Project surveys at Copco No. 1 Reservoir (CDM Smith 2018 <sup>f</sup> ).  |
| Short-tailed albatross<br><i>Phoebastria albatrus</i> | FE/SSC/-<br>No critical habitat designated   | USFWS         | During the non-breeding season, range along the continental shelf margins of the Pacific Rim from southern Japan to northern California (USFWS 2008 <sup>f</sup> ) (species does not nest in California) | North Pacific marine ocean; forages in regions of upwelling and high productivity (e.g., Gulf of Alaska, along the Aleutian Chain, and along the Bering Sea shelfbreak from the Alaska Peninsula out towards St. Matthew Island) (USFWS 2008 <sup>f</sup> ).   | Excluded from further analysis, as the Primary Area of Analysis is outside of the distribution for breeding and preferred distribution for foraging, and no critical habitat is designated in the Primary Area of Analysis.   |

| Common Name<br>Scientific Name                                 | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources                         | Distribution in California   | Habitat Association   | Included in or Excluded from EIR,<br>and Rationale  |
|--|--|---------------------------------------|--|---|---|
| Fork-tailed storm-<br>petrel<br><i>Oceanodroma<br/>furcata</i> | -/SSC/BLMS   | CNDDDB                                | Along and off the coast of<br>central and northern California  | Forages and winters on nearshore<br>waters and cold waters in the open<br>ocean and continental shelf   | Excluded from further analysis as<br>there are no CNDDDB occurrences<br>within the Primary Area of Analysis;<br>only one occurrence within the<br>Project Vicinity (CDFW 2017 <sup>c</sup> ).   |
| Bald eagle<br><i>Haliaeetus<br/>leucocephalus</i>              | -, BGEPA, SFP/SE,<br>BLMS, FSS   | CNDDDB,<br>USDA-FS, BLM<br>PacifiCorp | Permanent resident and<br>uncommon winter migrant,<br>found nesting primarily in<br>Butte, Lake, Lassen, Modoc,<br>Plumas, Shasta, Siskiyou, and<br>Trinity counties   | Large bodies of water or rivers with<br>abundant fish; uses adjacent snags or<br>other perches; nests and winter<br>communal roosts in advanced-<br>successional conifer forest within 1.6<br>km (1 mi) of open water | Included for further analysis as the<br>species was documented in the<br>Primary Area of Analysis during<br>PacifiCorp surveys at J.C. Boyle and<br>Copco No. 1 reservoirs, including<br>nesting (PacifiCorp 2004a,b <sup>d,e</sup> ), and<br>has been documented along the<br>Klamath River and approximately 2<br>miles from Copco No. 1 and Copco<br>No. 2 dams (CDFW 2017a <sup>d</sup> ).<br>Numerous sightings in areas<br>surrounding the Proposed Project,<br>including but not limited to the Lower<br>Klamath National Wildlife Refuge<br>and Tule Lake National Wildlife<br>Refuge (EBird 2018 <sup>g</sup> ). |
| Northern harrier<br><i>Circus cyaneus</i>                      | -/SSC/-  | PacifiCorp                            | Year-round resident; scattered<br>throughout California; in the<br>northwest, nests largely within<br>coastal lowlands from Del<br>Norte County south to Bodega<br>Head in Sonoma County,<br>inland to Napa County | Nests, forages, and roosts in wetlands<br>or along rivers or lakes, but also in<br>grasslands, meadows, or grain fields   | Included for further analysis as the<br>species was documented in the<br>Primary Area of Analysis during<br>PacifiCorp surveys along the<br>Klamath River from Iron Gate Dam to<br>Shasta River (PacifiCorp 2004a <sup>d</sup> ).<br>Species also documented along<br>Copco No. 1 Reservoir, along Iron<br>Gate Reservoir and tributaries, and<br>Klamath River downstream of Iron<br>Gate Reservoir (eBird 2018 <sup>g</sup> ).  |

| Common Name<br>Scientific Name                | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources                   | Distribution in California   | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale   |
|---|--|---------------------------------|--|--|--|
| Northern goshawk<br><i>Accipiter gentilis</i> | -/SSC/FSS, BLMS  | CNDDDB, USDA-<br>FS, PacifiCorp | Nests in North Coast Ranges through Sierra Nevada, Klamath, Cascade, and Warner mountains, in Mount Pinos and San Jacinto, San Bernardino, and White mountains; winters along North Coast, throughout foothills, and in northern deserts | Mature and old-growth stands of coniferous forest, middle and higher elevations; nests in dense part of stands near an opening | Included for further analysis as the species was documented in the Primary Area of Analysis during PacifiCorp surveys flying over J.C. Boyle peaking reach (PacifiCorp 2004a <sup>d</sup> ). Documented within the Area of Analysis in 1981 more than 80 RM downstream of Iron Gate Dam (CDFW 2017 <sup>c</sup> ).   |
| Swainson's hawk<br><i>Buteo swainsoni</i>     | -/ST/BLMS  | CNDDDB, BLM                     | Summer resident; breeds in lower Sacramento and San Joaquin valleys, the Klamath Basin, and Butte Valley; highest nesting densities occur near Davis and Woodland, Yolo County   | Nests in oaks or cottonwoods in or near riparian habitats; forages in grasslands, irrigated pastures, and grain fields         | Included for further analysis. Although there are no CNDDDB occurrences within the Primary Area of Analysis (CDFW 2017 <sup>c</sup> ) and not observed during PacifiCorp surveys (PacifiCorp 2004a <sup>d</sup> ), documented occurrences within the Project Vicinity occur near agricultural fields approximately 10 miles east of Copco No. 1 Reservoir (CDFW 2017 <sup>c</sup> ) including but not limited to the Lower Klamath National Wildlife Refuge and Tule Lake National Wildlife Refuge (eBird 2018 <sup>g</sup> ). |
| Golden eagle<br><i>Aquila chrysaetos</i>      | -/SFP/-  | PacifiCorp, BLM                 | Uncommon permanent resident and migrant throughout California, except center of Central Valley   | Open woodlands and oak savannahs, grasslands, chaparral, sagebrush flats; nests on steep cliffs or large trees                 | Included for further analysis as the species was documented in the Primary Area of Analysis during PacifiCorp surveys along the lower reaches of the J.C. Boyle peaking reach and along Iron Gate and Copco No. 1 reservoirs (PacifiCorp 2004a <sup>d</sup> ). Also documented along the Klamath River, downstream of Iron Gate Dam (eBird 2018 <sup>g</sup> ).  |

| Common Name<br>Scientific Name                                 | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management                                    | Query Sources      | Distribution in California   | Habitat Association   | Included in or Excluded from EIR,<br>and Rationale   |
|--|---|--------------------|--|---|--|
| American peregrine falcon<br><i>Falco peregrinus</i>           | -/SFP/-   | BLM                | Most of California during migrations and in winter; nests primarily in the Coast Ranges, northern Sierra Nevada Mountains, and other mountainous areas of northern California  | Wetlands, woodlands, cities, agricultural lands, and coastal area with cliffs (and rarely broken-top, predominant trees) for nesting; often forages near water  | Included for further analysis as CNDDDB occurrences within the Primary Area of Analysis, including around Iron Gate Reservoir (CDFW 2017 <sup>c</sup> ) and downstream along the Klamath River (eBird 2018).   |
| Greater sandhill crane<br><i>Grus canadensis tabida</i>        | -/ST, SFP/FSS,<br>BLMS  | USDA-FS,<br>CNDDDB | Winter visitor and migrant; scattered locations in the Central Valley; breeds in extreme northeastern California   | Forages in freshwater marshes and grasslands as well as harvested rice fields, corn stubble, barley, and newly planted grain fields   | Included for further analysis as the species was documented in the Primary Area of Analysis during PacifiCorp surveys at J.C. Boyle Reservoir (PacifiCorp 2004a <sup>d</sup> ). Other sightings in ponds and near agricultural fields east of Yreka (CDFW 2017 <sup>c</sup> ).   |
| Western snowy plover<br><i>Charadrius alexandrinus nivosus</i> | FT (Pacific coastal population)/SSC (interior population)<br><br>No critical habitat designated within the Primary Area of Analysis | CNDDDB<br>USFWS    | Nests in locations along the California coast, including the Eel River in Humboldt County and in Del Norte, Humboldt, and Mendocino counties; nests in the interior of the state in the Central Valley, Klamath Basin, Modoc Plateau, and Great Basin, Mojave, and Colorado deserts; winters primarily along coast | Barren to sparsely vegetated beaches, barrier beaches, salt- evaporation pond levees, and shores of alkali lakes; also nests on gravel bars in rivers with wide flood plains; needs sandy, gravelly, or friable soils for nesting | Excluded from further analysis as there is no designated critical habitat or documented occurrences of species within the Primary Area of Analysis (CDFW 2017 <sup>c</sup> ).  |
| Black tern<br><i>Chlidonias niger</i>                          | -/SSC/-   | PacifiCorp         | Migrant and summer resident; breeds in northeastern California and in scattered locations throughout the Central Valley  | Nests semi-colonially in protected areas of marshes   | Included for further analysis as the species was documented in the Primary Area of Analysis during PacifiCorp surveys at J.C. Boyle Reservoir (PacifiCorp 2004a <sup>d</sup> ). Species documented east of the Proposed Project at the Lower Klamath National Wildlife Refuge and Tule Lake National Wildlife Refuge (eBird 2018 <sup>g</sup> ). |

| Common Name<br>Scientific Name                                     | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management                           | Query Sources        | Distribution in California   | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale  |
|--|--|----------------------|--|--|---|
| Marbled murrelet<br><i>Brachyramphus<br/>marmoratus</i>            | FT/SE/--<br><br>Critical habitat<br>designated in Primary<br>Area of Analysis  | CNDDDB<br>USFWS      | Nesting murrelets in California<br>are mostly concentrated on<br>coastal waters near Del Norte<br>and Humboldt counties, and in<br>lesser numbers near San<br>Mateo and Santa Cruz<br>counties; winter throughout<br>nesting range, and in small<br>numbers in southern California | Most time spent on the ocean; nests<br>inland in old-growth conifers with<br>suitable platforms, especially redwood<br>or Douglas-fir forests near coastal<br>areas                                  | Excluded from further analysis.<br>Designated critical habitat does<br>overlap with the Primary Area of<br>Analysis (CDFW 2017 <sup>c</sup> ); however,<br>this area is located approximately<br>100 RM downstream of Iron Gate<br>Dam and there is no habitat within<br>100-year floodplain that, if modified,<br>would have the potential to affect the<br>species. |
| Western yellow-<br>billed cuckoo<br><i>Coccyzus<br/>americanus</i> | FT/SE/FSS, BLMS<br><br>No critical habitat<br>proposed within the<br>Primary Area of<br>Analysis                           | USFWS,<br>USDA-FS    | Breeds in limited portions of<br>the Sacramento River and the<br>South Fork Kern River; small<br>populations may nest in Butte,<br>Yuba, Sutter, San Bernardino,<br>Riverside, Inyo, Los Angeles,<br>and Imperial counties   | Summer resident of valley foothill and<br>desert riparian habitats; nests in open<br>woodland with clearings and low,<br>dense, scrubby vegetation   | Included for further analysis as it has<br>been noted that although not<br>documented in the Primary Area of<br>Analysis (PacifiCorp 2004a <sup>d</sup> , CDFW<br>2017 <sup>c</sup> ), the species has the potential<br>to be in the vicinity (PacifiCorp 2004a<br><sup>d</sup> ). There is no designated critical<br>habitat in the Primary Area of<br>Analysis.     |
| Northern spotted owl<br><i>Strix occidentalis<br/>caurina</i>      | FT/ST, SSC/-<br><br>Critical habitat<br>designated<br>approximately 0.5<br>miles south east of<br>Copco No. 1<br>Reservoir | USFWS,<br>PacifiCorp | Northwestern California south<br>to Marin County, and<br>southeast to the Pit River area<br>of Shasta County   | Typically, in older forested habitats;<br>nests in complex stands dominated by<br>conifers, especially coastal redwood,<br>with hardwood understories; some<br>open areas are important for foraging | Included for further analysis an<br>activity center is located<br>approximately 1.7 miles southeast of<br>Copco No. 1 Reservoir (CDFW<br>2017 <sup>c</sup> ). Designated critical habitat<br>approximately 0.5 miles southeast of<br>Copco No. 1 Reservoir and along the<br>Klamath River approximately 40 RM<br>downstream of Iron Gate Dam.                         |



| Common Name<br>Scientific Name          | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources                    | Distribution in California  | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale   |
|---|--|----------------------------------|---|--|--|
| Great gray owl<br><i>Strix nebulosa</i> | -/SE/FSS   | USDA-FS,<br>CNDDB,<br>PacifiCorp | In the Sierra Nevada from the vicinity of Quincy, Plumas County south to around Yosemite  | Dense, coniferous forest, usually near a meadow for foraging; nests in large, broken-topped snags  | Included for further analysis as the species was documented during PacifiCorp surveys east of Fall Creek near Jenny Creek (PacifiCorp 2004 <sup>d</sup> ). Although no other sightings are documented with the Primary Area of Analysis (CDFW 2017 <sup>c</sup> ), there are documented occurrences within the Project Vicinity approximately 30 RM downstream of Iron Gate Dam and 10 miles north of the Klamath River. |
| Black swift<br><i>Cypseloides niger</i> | -/SSC/-  | CNDDB                            | Breeds locally in Sierra Nevada and Cascade ranges, the San Gabriel, San Bernardino, and San Jacinto mountains., and from San Mateo County south likely to San Luis Obispo County                         | Nests in moist crevices behind or beside permanent or semi-permanent waterfalls in deep canyons, on perpendicular sea cliffs above surf, and in sea caves; forages widely over many habitats | Included for further analysis. Although the species was not documented in California during PacifiCorp surveys (PacifiCorp 2004a <sup>d</sup> ), a single occurrence is known within the Primary Area of Analysis from summer 1982 along the banks of the Klamath River, over 100 RM downstream of Iron Gate Dam (CDFW 2017 <sup>c</sup> ).  |
| Vaux's swift<br><i>Chaetura vauxi</i>   | -/SSC/-  | PacifiCorp                       | Summer resident of northern California; nests in the Coast Ranges from Sonoma County north and very locally south to Santa Cruz County; also found in the Sierra Nevada and possibly in the Cascade Range | Redwood and Douglas-fir habitats with large snags, especially forest with larger basal hollows and chimney trees   | Included for further analysis as the species was documented in the Primary Area of Analysis during PacifiCorp surveys at Copco No. 1 and Iron Gate reservoirs, along the J.C. Boyle peaking reach, along Fall Creek, and along Klamath River from Iron Gate Dam to Shasta River (PacifiCorp 2004 <sup>d</sup> ).   |

| Common Name<br>Scientific Name                         | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management  | Query Sources  | Distribution in California  | Habitat Association   | Included in or Excluded from EIR,<br>and Rationale   |
|--|---|--|---|---|--|
| Black-backed<br>woodpecker<br><i>Picoides arcticus</i> | Petitioned for listing<br>filed in 2012 and in<br>October 2017<br>USFWS released a<br>finding indicating<br>listing of the species<br>is not warranted<br>(USFWS 2017 <sup>g</sup> )/<br>Petitioned for listing<br>filed in 2012 and in<br>May 2013, the Fish<br>and Game<br>Commission released<br>a finding indicating<br>listing of the species<br>is not warranted<br>(CDFW 2013 <sup>h</sup> )/- | Not identified in<br>query, but<br>included due to<br>petition for listing | Sierra Nevada range including<br>Siskiyou and Shasta counties   | Affinity to boreal and montane<br>coniferous forests post-burn or<br>following outbreaks of wood-burning<br>beetles | Included for further analysis due to<br>the potential for the species to occur<br>and presence of suitable habitat<br>(coniferous forest) in the Primary<br>Area of Analysis.  |
| Olive-sided<br>flycatcher<br><i>Contopus cooperi</i>   | -/SSC/-   | PacifiCorp   | Summer resident throughout<br>California except in deserts,<br>the Central Valley, and other<br>lowland areas | Primarily advanced-successional<br>conifer forests with open canopies   | Included for further analysis as the<br>species was documented in the<br>Primary Area of Analysis during<br>PacifiCorp surveys at Iron Gate<br>Reservoir and along J.C. Boyle<br>peaking reach (PacifiCorp 2004 <sup>d</sup> ).<br>Documented during pre-Proposed<br>Project surveys in northern coves<br>and riparian woodlands of Copco No.<br>1 Reservoir (CDM Smith 2018 <sup>f</sup> ). |

| Common Name<br>Scientific Name                 | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources     | Distribution in California   | Habitat Association   | Included in or Excluded from EIR,<br>and Rationale   |
|--|--|-------------------|--|---|--|
| Willow flycatcher<br><i>Empidonax traillii</i> | -/SE/FSS   | USDA-FS,<br>CNDDB | In the Sierra Nevada and Cascade ranges; nests as far south as San Diego County; confirmed breeding along the Eel River and in northern Humboldt County  | Dense brushy thickets within riparian woodland often dominated by willows and/or alder, near permanent standing water; uses brushy, early-succession forests (e.g., clearcuts) in the Pacific Northwest | Included for further analysis as the species was documented in the Primary Area of Analysis during PacifiCorp surveys in riparian or wetland habitat located the shoreline of Copco No. 1 and Iron Gate reservoirs, along the J.C. Boyle peaking reach, and along Klamath River from Iron Gate Dam to Shasta River (PacifiCorp 2004 <sup>d</sup> ). Also, a documented occurrence from 2008 occurred at Iron Gate Reservoir at Jenny Creek (CDFW 2017 <sup>e</sup> ). Observed during pre-Proposed Project surveys at Jenny Creek on the Iron Gate Reservoir and along Copco No. 1 Reservoir in the northern cove at the confluence of West Fork Beaver Creek, Beaver Creek, and East Fork Beaver Creek in fringe willow (CDM Smith 2018 <sup>f</sup> ). |
| Purple martin<br><i>Progne subis</i>           | -/SSC/-  | PacifiCorp        | Summer resident and migrant; most densely populated in central and northern coastal conifer forests and smaller and more localized areas in the Sierra Nevada, interior foothills, and southern California | Conifer, valley-foothill, montane-hardwood forests with large snags in open areas; most nest sites located in upper slopes of hilly terrain; also, may nest in human-made structures with cavities      | Included for further analysis as the species was documented upstream of the upper falls at Fall Creek (PacifiCorp 2004 <sup>d</sup> ), and at a few locations in the Primary Area of Analysis along the Klamath River, downstream of Iron Gate Dam (eBird 2018 <sup>g</sup> ). Observed nesting during pre-Proposed Project survey on a utility pole near the intersection of Copco Road and the dam access spur road (CDM Smith 2018 <sup>f</sup> ).  |

| Common Name<br>Scientific Name                   | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources  | Distribution in California   | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale   |
|--|--|--|--|--|--|
| Bank swallow<br><i>Riparia riparia</i>           | -/ST/BLMS  | CNDDB  | Summer resident; occurs along the Sacramento River from Tehama County to Sacramento County, along the Feather and lower American rivers; and in the plains east of the Cascade Range in Modoc, Lassen, and northern Siskiyou counties; small populations near the coast from San Francisco County to Monterey County | Nests in vertical bluffs or banks, usually adjacent to water, where the soil consists of sand or sandy loam  | Excluded from further analysis as the species is not known on the Klamath and there are no CNDDB occurrences within the Primary Area of Analysis (CDFW 2017 <sup>c</sup> ). Documented occurrences within the Project Vicinity occur at a lake approximately 20 miles east of Copco No. 1 Reservoir.   |
| tricolored blackbird<br><i>Agelaius tricolor</i> | Petition to list/SCE,<br>SSC/-   | Not identified in query, but added due to the candidate listing status | Permanent resident, but makes extensive migrations both in breeding season and winter  | Feeds in grasslands and agriculture fields; nesting habitat components include open accessible water, a protected nesting substrate (including flooded or thorny vegetation), and a suitable nearby foraging space with adequate insect prey | Included for further analysis due to the potential for the species to occur and potential presence of suitable habitat (open foraging area adjacent to aquatic habitat) in the Primary Area of Analysis. A single sighting in 2011 (eBird 2018 <sup>9</sup> ) at Copco No. 1 Reservoir. Numerous accounts documented east of the Proposed Project at the Lower Klamath National Wildlife Refuge and Tule Lake National Wildlife Refuge (eBird 2018 <sup>9</sup> ). |

| Common Name<br>Scientific Name                | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources | Distribution in California   | Habitat Association   | Included in or Excluded from EIR,<br>and Rationale  |
|---|--|---------------|--|---|---|
| Yellow warbler<br><i>Setophaga petechia</i>   | -/SSC/-  | PacifiCorp    | Summer resident; nests in most of California, except most of the Central Valley, high Sierras, and Mojave and Colorado deserts | Open-canopy, deciduous riparian woodland close to water, along streams or wet meadows | Included for further analysis as the species was documented in the Primary Area of Analysis during PacifiCorp surveys at all Lower Klamath Project reservoirs and reaches (PacifiCorp 2004 <sup>d</sup> ). Species also documented along the Klamath River downstream of Iron Gate Dam (eBird 2018 <sup>9</sup> ). Observed in riparian woodlands and hillside seep areas surrounding Copco No. 1 Reservoir and also Iron Gate Reservoir, including Bogus Creek fish hatchery and Jenny Creek (CDM Smith 2018 <sup>f</sup> ). |
| Yellow-breasted chat<br><i>Icteria virens</i> | -/SSC/-  | PacifiCorp    | Summer resident and migrant in coastal California and in foothills of the Sierra Nevada  | Early-successional riparian habitats with a dense shrub layer and an open canopy      | Included for further analysis as the species was documented in the Primary Area of Analysis during PacifiCorp surveys primarily in wetland and riparian habitats along J.C. Boyle peaking reach, at Copco No. 1 Reservoir, along Fall Creek, and along Klamath River from Iron Gate Dam to Shasta River (PacifiCorp 2004 <sup>d</sup> ). Observed during pre-project surveys in areas surrounding Copco No. 1 Reservoir and at the northern cove of Iron Gate Reservoir (CDM Smith 2018 <sup>f</sup> ).                       |

| Common Name<br>Scientific Name                                     | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources          | Distribution in California  | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale  |
|--|--|------------------------|---|--|---|
| <b>Mammals</b>   |  |                        |   |  |   |
| Sonoma tree vole<br><i>Arborimus pomo</i>                          | -/SSC/-  | CNDDDB                 | North Coast fog belt from the Oregon border south to Sonoma County  | Associated with Douglas-fir trees and occasionally grand fir, hemlock, or spruce trees   | Excluded from further analysis. There is a single occurrence (1991) documented within the Primary Area of Analysis approximately 15 miles upstream of the Klamath Estuary within a large Douglas-fir tree (CDFW 2017 <sup>c</sup> ). This area is located over 100 RM downstream of Iron Gate Dam and no suitable habitat would be affected.  |
| Townsend's western big-eared bat<br><i>Corynorhinus townsendii</i> | -/SSC/FSS, BLMS  | USDA-FS, BLM<br>CNDDDB | Throughout California, found in all but subalpine and alpine habitats; details of distribution not well known | Roosts in cavities, usually in tunnels, caves, buildings, and mines, but also rock shelters, preferentially close to water. Caves near water's edge are favored<br><br>Forages in riparian zone and follows creeks and river drainages on foraging bouts. Feeds primarily on moths. Drinks at stream pools | Included for further analysis, as although the species was not documented in California during PacifiCorp bat structure evaluation surveys (PacifiCorp 2004 <sup>d</sup> ), two occurrences were documented in 1997 within the Primary Area of Analysis at bridges approximately 40 RM downstream of Iron Gate Dam (CDFW 2017 <sup>c</sup> ) and suitable habitat is present in the Project Area. |

| Common Name<br>Scientific Name             | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources          | Distribution in California                            | Habitat Association   | Included in or Excluded from EIR,<br>and Rationale   |
|--|--|------------------------|---|---|--|
| Pallid bat<br><i>Antrozous pallidus</i>    | -/SSC/FSS, BLMS  | USDA-FS,<br>CNDDDB     | Throughout California at<br>elevations below 9,800 ft | <p>Roosts in rock crevices, live or dead tree hollows, mines, caves, and a variety of vacant and occupied structures or buildings.</p> <p>Feeds low to or on the ground in a variety of open habitats, primarily on ground-dwelling arthropods. Forages most frequently in riparian zone, in open oak savannah, and open mixed deciduous forest, drinks at stream pools</p> | Included for further analysis, as although the species was not documented in California during PacifiCorp bat structure evaluation surveys (PacifiCorp 2004 <sup>d</sup> ) and no CNDDDB occurrences are documented within the Primary Area of Analysis, suitable habitat (e.g., man-made structures) are present in the Project Area. PacifiCorp (2004 <sup>d</sup> ) noted that species presence of a roost site was documented by one dead individual (Yuma myotis), and that it is possible that sites with confirmed evidence of bat use support aggregations of more than one species.   |
| Fringed myotis<br><i>Myotis thysanodes</i> | -/BLMS, FSS  | USDA-FS, BLM<br>CNDDDB | Throughout California                                 | <p>Roosts in crevices, cavities, and foliage, in a wide variety of habitats including rock crevices, caves, mines, buildings and bridges, and large-diameter snags.</p> <p>Forages in open air and by gleaning prey from vegetation. Feeds primarily on beetles and moths in meadows and thick riparian vegetation</p>  | Included for further analysis, as although the species was not documented in California during PacifiCorp bat structure evaluation surveys (PacifiCorp 2004 <sup>d</sup> ) and no CNDDDB occurrences are documented within the Primary Area of Analysis, suitable habitat (e.g., man-made structures) are present in the Limits of Work. PacifiCorp (2004 <sup>d</sup> ) noted that species presence of a roost site was documented by one dead individual (Yuma myotis), and that it is possible that sites with confirmed evidence of bat use support aggregations of more than one species. |

| Common Name<br>Scientific Name            | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources | Distribution in California   | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale  |
|---|--|---------------|--|--|---|
| Long-eared myotis<br><i>Myotis evotis</i> | -/-/BLMS   | BLM           | Throughout California  | <p>Roosts in bridges, buildings, under exfoliating tree bark, and in hollow trees, caves, mines, cliff crevices, sinkholes, rocky outcrops on the ground.</p> <p>Forages by eating prey off of foliage, tree trunks, rocks, and from the ground.</p>   | <p>Included for further analysis, as although the species was not documented in California during PacifiCorp bat structure evaluation surveys (PacifiCorp 2004<sup>d</sup>) and no CNDDDB occurrences are documented within the Primary Area of Analysis, suitable habitat (e.g., man-made structures) are present in the Limits of Work. PacifiCorp (2004<sup>d</sup>) noted that species presence of a roost site was documented by one dead individual (Yuma myotis), and that it is possible that sites with confirmed evidence of bat use support aggregations of more than one species.</p> |
| Spotted bat<br><i>Euderma maculatum</i>   | -/SSC/BLMS   | BLM           | <p>Small number of localities identified in California; mostly found in the foothills, mountains and desert regions of southern California</p> | <p>Roosts in cracks, crevices, and caves, usually high in fractured rock cliffs<br/>Solitary or roost in small groups.</p> <p>Forages over open areas and along forest edges, particularly in association with wet meadows. Drinks at stream pools</p> | <p>Included for further analysis, as although the species was not documented in California during PacifiCorp bat structure evaluation surveys (PacifiCorp 2004<sup>d</sup>) and no CNDDDB occurrences are documented within the Primary Area of Analysis, suitable habitat for this species (e.g., large dam faces) may be present in the Limits of Work.</p>   |



| Common Name<br>Scientific Name                            | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources   | Distribution in California   | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale  |
|---|--|---|--|--|---|
| Yuma myotis<br><i>Myotis yumanensis</i>                   | -/-/BLMS   | BLM   | Distributed throughout California  | Roosts in bridges, buildings, cliff crevices, caves, mines, and trees.<br><br>Foraging primarily on aquatic emerging insects and drinking occurs over rivers and streams   | Included for further analysis, as structures providing habitat for Yuma myotis were documented during PacifiCorp bat structure evaluation surveys at the Copco No. 1 powerhouse and the Iron Gate south gatehouse (PacifiCorp 2004a <sup>d</sup> ). No CNDDDB occurrences are documented within the Primary Area of Analysis. Pre-Proposed Project surveys documented species at the Bogus Creek fish hatchery (CDM Smith 2018 <sup>f</sup> ).                  |
| Western mastiff bat<br><i>Eumops perotis californicus</i> | -/SSC/-  | Documented in the area (K. Hubbard, CDFW, pers comm., October 2017) | Distributed throughout central and southern California and in northern California found Siskiyou, Shasta, and Trinity counties | Roosting in large rock features in a variety of habitats including desert scrub, chaparral, oak woodland, ponderosa pine, mid-elevation conifer (e.g., giant sequoia)<br><br>Forages seasonally at high elevations | Included for further analysis as documented at Medicine Lake, Siskiyou County (Pierson and Rainey 1998 <sup>g</sup> ), and existing range includes the Primary Analysis Area (CDFW 1997 <sup>h</sup> ).   |
| North American wolverine<br><i>Gulo gulo luscus</i>       | FPT/ST, SFP/FSS<br><br>No critical habitat designated  | USFWS, USDA-FS, CNDDDB  | North Coast mountains and Sierra Nevada  | Dense mixed-conifer forest in high elevations (4,300–10,800 feet); uses caves, hollows, logs, rock outcrops, and burrows for cover   | Excluded from further analysis as no designated critical habitat is present within the Primary Area of Analysis, no CNDDDB sightings are in the Primary Area of Analysis, the species was not documented in California during PacifiCorp mammal surveys (PacifiCorp 2004 <sup>d</sup> ), and the only documented occurrences within the Project Vicinity are located over 5 miles from the Klamath River and dated over 25 years ago (CDFW 2017 <sup>c</sup> ). |

| Common Name<br>Scientific Name                             | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources      | Distribution in California  | Habitat Association   | Included in or Excluded from EIR,<br>and Rationale  |
|--|--|--------------------|---|---|---|
| Pacific marten<br><i>Martes caurina</i>                    | -/-/FSS  | CNDDDB,<br>USDA-FS | Coastal redwood zone from<br>the Oregon border south to<br>Fort Ross, Sonoma County | Forest with conifer overstory, dense<br>shrubs, large-diameter standing and<br>downed wood                                | Excluded from further analysis as the<br>species was not documented in<br>California during PacifiCorp mammal<br>surveys (PacifiCorp 2004 <sup>d</sup> ), no<br>CNDDDB occurrences have been<br>recorded within the Primary Area of<br>Analysis (CDFW 2017 <sup>c</sup> ), the most<br>recent occurrences within the Project<br>Vicinity are from 1972 approximately<br>10 miles south of Copco No. 1<br>Reservoir (CDFW 2017 <sup>c</sup> ), and there<br>is no habitat within 100-year<br>floodplain that, if modified, would<br>have the potential to affect the<br>species. |
| Humboldt marten<br><i>Martes caurina<br/>humboldtensis</i> | -/CE,SCE/FSS   | CNDDDB             | Humboldt, Del Norte, and<br>Siskiyou counties                                       | Mid- to advanced-successional stands<br>of conifers with complex structure<br>near the ground and dense canopy<br>closure | Excluded from further analysis as the<br>species was not documented in<br>California during PacifiCorp mammal<br>surveys (PacifiCorp 2004 <sup>d</sup> ), no<br>CNDDDB occurrences have been<br>recorded within the Primary Area of<br>Analysis (CDFW 2017 <sup>c</sup> ), the closest<br>documented occurrences within the<br>Project Vicinity are in the lower<br>Klamath River watershed (CDFW<br>2017 <sup>c</sup> ), and there is no habitat within<br>100-year floodplain that, if modified,<br>would have the potential to affect the<br>species.                        |

| Common Name<br>Scientific Name  | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources      | Distribution in California  | Habitat Association  | Included in or Excluded from EIR,<br>and Rationale   |
|---|--|--------------------|---|--|--|
| Pacific fisher<br><i>Martes pennanti</i><br>( <i>pacifica</i> )<br>West Coast DPS | FPT/ST, SSC/FSS,<br>BLMS<br><br>No critical habitat<br>designated                                | USDA-FS,<br>CNDDDB | Two widely separated regions:<br>the northern Coast Range and<br>Klamath Province, and the<br>southern Sierra Nevada                  | Advanced-successional conifer<br>forests with complex forest structure;<br>den in hollow trees and snags | Excluded from further analysis as the<br>species was not documented in<br>California during PacifiCorp mammal<br>surveys (PacifiCorp 2004 <sup>d</sup> ), the<br>closest CNDDDB occurrence within<br>the Primary Area of Analysis is<br>approximately 80 RM downstream of<br>Iron Gate Dam (with approximately<br>one dozen occurrences further<br>downstream) (CDFW 2017 <sup>c</sup> ), and<br>there is no habitat within 100-year<br>flood plain that, if modified, would<br>have the potential to affect the<br>species. |
| American badger<br><i>Taxidea taxus</i>   | -/SSC/-  | CNDDDB             | Throughout the state except in<br>the humid coastal forests of<br>Del Norte County and the<br>northwest portion of Humboldt<br>County | Shrubland, open grasslands, fields,<br>and alpine meadows with friable soils                             | Included for further analysis, as<br>although the species was not<br>documented in California during<br>PacifiCorp mammal surveys<br>(PacifiCorp 2004 <sup>d</sup> ), a single<br>occurrence within the Primary Area<br>of Analysis and Project Vicinity<br>(unknown date) was documented<br>approximately 2 RM upstream of<br>Copco No. 1 Reservoir (CDFW<br>2017 <sup>c</sup> ).   |

| Common Name<br>Scientific Name  | Status <sup>a</sup><br>Federal/ State/USDA<br>Forest Service, US<br>Bureau of Land<br>Management | Query Sources | Distribution in California     | Habitat Association   | Included in or Excluded from EIR,<br>and Rationale  |
|---------------------------------|--|---------------|--------------------------------|---|---|
| Gray wolf<br><i>Canis lupus</i> | FE/SE/-<br><br>No critical habitat<br>designated   | USFWS, BLM    | Northern portion of California | Range of habitats including temperate<br>forests, mountains, tundra, taiga, and<br>grasslands | Included for further analysis, as the<br>range has the potential to overlap<br>with the Primary Area of Analysis. |

<sup>a</sup> Status codes:

Federal

- FE = Listed as endangered under the federal Endangered Species Act
- FT = Listed as threatened under the federal Endangered Species Act
- FPT = Federally proposed as threatened
- BGEPA = Federally protected under the Bald and Golden Eagle Protection Act
- FSS = Forest Service Sensitive species
- BLMS = Bureau of Land Management Sensitive Species

State

- SE = Listed as Endangered under the California Endangered Species Act
- ST = Listed as Threatened under the California Endangered Species Act
- SCE = State Candidate Endangered
- SCT = State Candidate Threatened
- SSC = CDFW Species of Special Concern
- SFP = CDFW Fully Protected species

<sup>b</sup> Details regarding what special-status wildlife are documented and may have potential habitat in the Secondary Area of Analysis are not included since this area was analyzed at a programmatic level.

<sup>c</sup> CDFW. 2017. California Natural Diversity Database. RareFind5. Electronic database. Natural Heritage Division, California Department of Fish and Game, Sacramento, California. <https://map.dfg.ca.gov/rarefind/view/RareFind.aspx> [Accessed May 2017].

<sup>d</sup> PacifiCorp. 2004a. Terrestrial resources. Klamath Hydroelectric Project (FERC Project No. 2082). Final Technical Report. Prepared by PacifiCorp, Portland, Oregon.

<sup>e</sup> PacifiCorp. 2004b. Botanical and wildlife resources. Klamath Hydroelectric Project (FERC Project No. 2082). 2004 Terrestrial Resources Technical Report. Prepared by PacifiCorp, Portland, Oregon.

<sup>f</sup> CDM Smith. 2018. June 2018 vegetation communities summary report. Prepared by CDM Smith, Sacramento, California.

<sup>g</sup> eBird. 2018. eBird home page. Website. <https://ebird.org/home>. Prepared by The Cornell Lab of Ornithology, Ithaca, New York. [Accessed 8 June 2018].

<sup>h</sup> USFWS. 2017. Endangered and threatened wildlife and plants; 12-month findings on petitions to list 25 species as endangered or threatened species. Federal Register 82: 46,618–46,645.

<sup>i</sup> CDFW. 2013. Black-backed woodpecker status evaluation. Prepared by CDFW, Sacramento, California.

<sup>j</sup> Pierson, E. D., and W. E. Rainey. 1998. Distribution, habitat associations, status, and survey methodologies for three molossid bat species (*Eumops perotis*, *Nyctinomops femorosaccus*, *Nyctinomops macrotis*) and the vespertilionid (*Euderma maculatum*). Final Report. Prepared for California Department of Fish and Game, Wildlife Management Division, Sacramento, California.

<sup>k</sup> CDFW (California Department of Fish and Wildlife). 1997. California wildlife habitat relationships system: western mastiff bat (*Eumops perotis*). CDFW, California Interagency Wildlife Task Group.