

Appendix B
**Special-Status Species
Database Query Results**

TABLE B-1
SPECIAL-STATUS SPECIES RECORDED IN THE VICINITY OF THE PROJECT AREA

Common Name Scientific Name	Listing Status Fed/State	Habitat Description / Blooming Period	Potential to Occur in the Project Area
Plants			
Bent-flowered fiddleneck <i>Amsinckia lunaris</i>	—/—/1B.2	Cismontane woodland, Coastal bluff scrub, Valley & foothill grassland. Bloom period. March – June.	Not Present. Suitable habitat not present on site.
alkali milk-vetch <i>Astragalus tener</i> var. <i>tener</i>	—/—/1B.2	Alkali playa and flats, valley, annual, and foothill grassland, vernal pools, low ground, and flooded lands. Blooms March – June	Not Present. Suitable habitat not present on site.
big-scale balsamroot <i>Balsamorhiza macrolepis</i>	—/—/1B.2	Chaparral, Cismontane woodland, Ultramafic, Valley & foothill grassland. Blooms March – June	Not Present. Suitable habitat not present on site.
Oakland star-tulip <i>Calochortus umbellatus</i>	—/—/4.2	Broadleaved upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland. Blooms Mar-May.	Not Present. Suitable habitat not present on site.
johnny-nip <i>Castilleja ambigua</i> var. <i>ambigua</i>	—/—/4.2	Coastal bluff scrub, Coastal prairie, Coastal scrub, Marshes and swamps, Valley and foothill grassland, Vernal pools (margins). Blooms Mar-Aug.	Not Present. Suitable habitat not present on site.
Congdon's tarplant <i>Centromadia parryi</i> ssp. <i>congdonii</i>	—/—/1B.1	Valley and foothill grassland. Blooms May – October.	Not Present. Suitable habitat not present on site.
Point Reyes salty bird's-beak <i>Chloropyron maritimum</i> ssp. <i>palustre</i>	—/—/1B.2	Marsh & swamp, Salt marsh, Wetland. Blooms June – October.	Not Present. Suitable habitat not present on site.
Robust spineflower <i>Chorizanthe robusta</i> var. <i>robusta</i>	FE/—/1B.1	Chaparral, Cismontane woodland, Coastal bluff scrub, Coastal dunes. Blooms April – September.	Not Present. Suitable habitat not present in the project area. No observations in the vicinity of the project area.
Hoover's button-celery <i>Eryngium aristulatum</i> var. <i>hooveri</i>	—/—/1B.1	Vernal pools. Blooms (Jun)Jul(Aug)	Not Present. Suitable habitat not present on site.
Jepson's coyote thistle <i>Eryngium jepsonii</i>	—/—/1B.2	Valley and foothill grassland, Vernal pools. Blooms Apr-Aug.	Not Present. Suitable habitat not present on site.
San Joaquin spearscale <i>Extriplex joaquinana</i>	—/—/1B.2	Chenopod scrub, Meadows and seeps, Playas, Valley and foothill grassland. Blooming period Apr-Oct.	Not Present. Suitable habitat not present on site.
fragrant fritillary <i>Fritillaria liliacea</i>	—/—/1B.2	Cismontane woodland, Coastal prairie, Coastal scrub, Valley and foothill grassland. Blooms February – April.	Not Present. Suitable habitat not present on site.
dark-eyed gilia <i>Gilia millefoliata</i>	—/—/1B.2	Coastal dunes. Blooms April – July.	Not Present. Suitable habitat not present on site.

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Diablo helianthella <i>Helianthella castanea</i>	—/—/1B.2	Broadleaved upland forest, Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland, Valley and foothill grassland. Blooms March – June.	Not Present. Suitable habitat not present on site.
Loma Prieta hoita <i>Hoita strobilina</i>	—/—/1B.1	Chaparral, Cismontane woodland, Riparian woodland. Blooms May-Jul(Aug-Oct).	Not Present. Suitable habitat not present on site.
Santa Cruz tarplant <i>Holocarpha macradenia</i>	FT/SE/1B.1	Coastal prairie, coastal scrub, valley and foothill grassland. Blooms June – October.	Not Present. Suitable habitat not present on site.
Kellogg's horkelia <i>Horkelia cuneata</i> var. <i>sericea</i>	—/—/1B.1	Chaparral (maritime), Closed-cone coniferous forest, Coastal dunes, Coastal scrub. Blooms Apr-Sep.	Not Present. Suitable habitat not present on site.
Contra Costa goldfields <i>Lasthenia conjugens</i>	FE/—/1B.1	Cismontane woodland, Playas (alkaline), Valley and foothill grassland, Vernal pools. Blooms March – June.	Not Present. Suitable habitat not present on site.
bristly leptosiphon <i>Leptosiphon aureus</i>	—/—/4.2	Chaparral, Cismontane woodland, Coastal prairie, Valley and foothill grassland. Blooms Apr-Jul.	Not Present. Suitable habitat not present on site.
large-flowered leptosiphon <i>Leptosiphon grandiflorus</i>	—/—/4.2	Cismontane woodland, Closed-cone coniferous forest, Coastal bluff scrub, Coastal dunes, Coastal prairie, Coastal scrub, Valley and foothill grassland. Bloom Apr-Aug.	Not Present. Suitable habitat not present on site.
woodland woollythreads <i>Monolopia gracilens</i>	—/—/1B.2	Broadleaved upland forest (openings), Chaparral (openings), Cismontane woodland, North Coast coniferous forest (openings), Valley and foothill grassland. Affinity to serpentine soil. 60 – 1360m. Blooms March – July	Not Present. Suitable habitat not present on site.
Michael's rein orchid <i>Piperia michaelii</i>	—/—/4.2	Chaparral, Cismontane woodland, Closed-cone coniferous forest, Coastal bluff scrub, Coastal scrub, Lower montane coniferous forest. Blooms Apr-Aug.	Not Present. Suitable habitat not present on site.
hairless popcornflower <i>Plagiobothrys glaber</i>	—/—/1A	Marshes and swamps (coastal salt), Meadows and seeps (alkaline). Blooms Mar-May.	Not Present. Suitable habitat not present on site.
Marin knotweed <i>Polygonum marinense</i>	—/—/3.1	Marshes and swamps (brackish, coastal salt). Blooms (Apr)May-Aug(Oct).	Not Present. Suitable habitat not present on site.
Lobb's aquatic buttercup <i>Ranunculus lobbii</i>	—/—/4.2	Cismontane woodland, North Coast coniferous forest, Valley and foothill grassland, Vernal pools. Blooms Feb-May	Not Present. Suitable habitat not present on site.
Adobe sanicle <i>Sanicula maritima</i>	—/CR/1B.1	Chaparral, coastal prairie, meadows and seeps, valley and foothill grassland. Blooms February – May.	Not Present. Suitable habitat not present on site.
Chaparral ragwort <i>Senecio aphanactis</i>	—/—/2B.2	Chaparral, Cismontane woodland, Coastal scrub. Blooms Jan-Apr(May).	Not Present. Suitable habitat not present on site.
Long-styled sand-spurrey <i>Spergularia macrotheca</i> var. <i>longistyla</i>	—/—/1B.2	Marshes and swamps, Meadows and seeps. Blooms February – May.	Not Present. Suitable habitat not present on site.

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most beautiful jewelflower <i>Streptanthus albidus</i> ssp. <i>peramoenus</i>	—/—/1B.2	Serpentine grassland, chaparral. Blooms April – June	Not Present. Suitable habitat not present on site.
Northern slender pondweed <i>Stuckenia filiformis</i> ssp. <i>alpina</i>	—/—/2B.2	Marshes and swamps, in shallow, clear water of lakes and drainage channels. 15-2,310m. Blooms May – July	Not Present. Suitable habitat not present on site.
California seablite <i>Suaeda californica</i>	FE/—/1B.1	Margins of coastal salt marshes and swamps. 0-5 m. Blooms July – October	Low. Suitable habitat not present on site.
saline clover <i>Trifolium hydrophilum</i>	—/—/1B.2	Marshes and swamps, valley and foothill grassland, vernal pools. 0 – 220m. Blooms April – June.	Low. Suitable habitat not present on site.
Invertebrates			
Crotch bumblebee <i>Bombus crotchii</i>	—/SCE	Open grasslands, shrublands, chaparral, desert margins	Low. Suitable habitat not present on project site.
Western bumblebee <i>Bombus occidentalis</i>	—/SCE	Shrublands and chaparral.	Low. Suitable habitat not present on project site.
vernal pool fairy shrimp <i>Branchinecta lynchi</i>	FT/*/—	Rock outcrop pools, clay pan pools or other non-flow-through areas capable of ponding water seasonally.	Not Present. No vernal pools present on site.
Monarch butterfly <i>Danaus plexippus</i> (wintering sites)	FC/—	Overwinter in large trees near coast, often eucalyptus or Monterey pine.	Low. No suitable trees for overwintering present on site.
Fish			
tidewater goby <i>Eucyclogobius newberryi</i>	FE/-	Brackish water habitats along the California coast from Agua Hedionda Lagoon, San Diego Co. to the mouth of the Smith River. Found in shallow lagoons and lower stream reaches, they need fairly still but not stagnant water and high oxygen levels.	Not Present. Site holding ponds have no connection to bay waters.
green sturgeon southern DPS <i>Acipenser medirostris</i>	FT/—	Aquatic, Estuary, Marine bay, Sacramento/San Joaquin flowing waters	Not Present. Site holding ponds have no connection to bay waters.
steelhead - central California coast DPS <i>Oncorhynchus mykiss irideus</i> pop. 8	FT/TH/—	Spawns and rears in coastal streams between the Russian River in Sonoma County and Soquel Creek in Santa Cruz County, as well as drainages tributary to San Francisco Bay, where gravelly substrate and shaded riparian habitat occurs.	Not Present. Site holding ponds have no connection to bay waters.
longfin smelt <i>Spirinchus thaleichthys</i>	FC/ST/—	Found throughout the nearshore coastal waters and open waters of San Francisco Bay-Delta including the river channels and sloughs of the Delta. Spawns in the Delta.	Not Present. Site holding ponds have no connection to bay waters.

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Amphibians			
California tiger salamander <i>Ambystoma californiense</i>	FT/ST/WL	Vernal or temporary pools in annual grasslands, or open stages of woodlands. Typically, adults use mammal burrows for aestivation in non-breeding season.	Not Present. Suitable freshwater habitat is not present in the project site.
foothill yellow-legged frog <i>Rana boylei</i>	FT/SE/—	Partly-shaded, usually perennial, shallow streams and riffles with a rocky substrate in a variety of habitats. Needs at least some cobble-sized substrate for egg-laying. Needs at least 15 weeks to attain metamorphosis.	Not Present. Suitable freshwater habitat is not present at the project site.
California red-legged frog <i>Rana draytonii</i>	FT/SSC/—	Streams, freshwater pools, and ponds with overhanging vegetation. Also found in woods adjacent to streams. Requires permanent or ephemeral water sources such as reservoirs and slow-moving streams and needs pools of >0.5 m depth for breeding.	Not Present. Suitable freshwater habitat is not present at the project site.
Reptiles			
northwestern pond turtle <i>Emys marmorata</i>	FC/SSC/—	Ponds, marshes, rivers, streams, and irrigation ditches with aquatic vegetation. Requires basking sites and suitable upland habitat for egg-laying. Nest sites most often gentle slopes (<15%) with little vegetation or sandy banks.	Low. The bay marshes west of the facility likely too saline for this species which has not been recorded in the vicinity.
Alameda whipsnake <i>Masticophis lateralis euryxanthus</i>	FT/ST/—	Coastal ranges, in chaparral and riparian habitat and adjacent grasslands.	Not Present. No suitable habitat for this species.
Birds			
tricolored blackbird <i>Agelaius tricolor</i> (nesting colony)	ST/SSC/BCC	Nests near freshwater, emergent wetland with cattails or tules; forages in grasslands, woodland, and agriculture.	Low: Suitable habitat present near the vicinity and multiple observations on eBird surrounding the project site; however no nesting colonies located in the vicinity.
golden eagle <i>Aquila chrysaetos</i>	CFP/BCC	Broadleaved upland forest, Cismontane woodland, Coastal prairie, Great Basin grassland, Great Basin scrub, Lower montane coniferous forest, Pinon & juniper woodlands, Upper montane coniferous forest, Valley & foothill grassland.	Low. Suitable habitat not present but observations recorded in the vicinity of the project site in eBird. Potential to forage.
short-eared owl <i>Asio flammeus</i>	SSC/BCC/—	Great Basin grassland, Marsh & swamp, Meadow & seep, Valley & foothill grassland, Wetland	Low. Suitable habitat not present but observations recorded in the vicinity of the project area in eBird. Potential to forage.
burrowing owl <i>Athene cunicularia</i>	SSC/BCC/—	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows. This species requires short vegetation with sparse shrubs and burrows for roosting and nesting.	Low. Burrowing habitat not present but observations recorded in the vicinity of the project site on eBird. Potential to forage.
Western snowy plover <i>Charadrius nivosus</i> ssp. <i>nivosus</i>	FT/SSC/—	Sandy shorelines, gravel flats, or coastal wetlands; needs sandy, gravelly or friable soils for nesting.	Low. Habitat not present. No observations in the vicinity of the project site.
northern harrier <i>Circus cyaneus</i>	—/SSC/BCC	Coastal scrub, Great Basin grassland, Marsh & swamp, Riparian scrub, Valley & foothill grassland, Wetland. Nests on ground in shrubby vegetation, usually at marsh edge; nest built of a large mound of sticks in wet areas.	Low. Potentially suitable nesting habitat found in nearby bay marshes; species may forage in project area or adjacent grasslands. Has been observed near the project area on eBird.

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yellow-billed Cuckoo <i>Coccyzus americanus</i>	FT/—	Dense riparian habitat, including woodlands with low, scrubby, vegetation, overgrown orchards, abandoned farmland and thickets along streams and marshes.	Low. No suitable habitat for this species at project site.
Yellow rail <i>Coturnicops noveboracensis</i>	—/SSC/BCC	Habitat includes shallow marshes, wet meadows, drier fresh-water and brackish marshes, as well as dense, deep grass, and rice fields. Forages for small snails, aquatic insects, and wetland plant seeds in shallow water concealed by dense vegetation.	Low. No suitable habitat for this species at project site.
white-tailed kite <i>Elanus leucurus</i>	—/FP/—	Nests in shrubs and trees next to grasslands, forages over grasslands and agricultural lands.	Low. Species may forage over project area but no nesting habitat is present.
saltmarsh common yellowthroat <i>Geothlypis trichas sinuosa</i>	BCC/SSC/—	Requires thick, continuous cover down to water surface for foraging; tall grasses, tule patches, willows for nesting.	Low. No suitable habitat for this species at project site.
bald eagle <i>Haliaeetus leucocephalus</i>	FDR/SE/—	Winter foraging at lakes and along major rivers. Breeds Jan 1 to Aug 31 (iPaC)	Low. Suitable habitat not present but observations recorded in the vicinity of the project site in eBird. Potential to forage.
California black rail <i>Laterallus jamaicensis coturniculus</i>	—/ST/FP	Salt and freshwater marshes, grassy wet meadows.	Low. Suitable habitat for this species is not found on the project site.
Alameda song sparrow <i>Melospiza melodia pusillula</i>	BCC/SSC/—	Tidally influenced marshes of eastern and south San Francisco Bay.	Moderate. May nest in waterside vegetation on site or in adjacent bay marshes.
California Ridgway's rail <i>Rallus obsoletus</i>	FE/SE/FP	Densely vegetated salt marsh with channels along the San Francisco Bay.	Low. Records of this species nearby but suitable habitat for this species is not found on the project site.
bank swallow <i>Riparia riparia</i>	—/ST	Sandy banks along rivers, lakes and beaches.	Low. Suitable habitat for this species is not found on the project site.
black skimmer <i>Rynchops niger</i>	SSC/BCC	Nest in colonies in rocky shoreline areas. Breeds May 20 to Sep 15.	Low. Suitable habitat for this species is not found on the project site.
yellow warbler <i>Setophaga petechia</i>	—/SSC/—	Breeds in wet, deciduous thickets, especially willows.	Low. Suitable habitat for this species is not found on the project site.
California least tern <i>Sterna antillarum browni</i>	FE/SE/FP	Alkali playa, beaches and wetlands along California coast. Nests in colonies.	Low. Records of this species nearby but no suitable habitat at project site.
Mammals			
pallid bat <i>Antrozous pallidus</i>	—/SSC/ WBWG High	Day roosts in caves, crevices, mines, and occasionally hollow trees and buildings. Night roosts may be in more open sites, such as porches and open buildings. Hibernates in rock crevices in grassland, scrub or forest habitats. .	Moderate. Potentially suitable habitat for this species in disused shed on project site.
western mastiff bat <i>Eumops perotis californicus</i>	—/SSC/—	Breeds in rugged, rocky canyons and forages in a variety of habitats. May occur in semi-arid open woodlands.	Low. Suitable habitat for this species is not found on the project site.

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San Francisco dusky-footed woodrat <i>Neotoma fuscipes annectens</i>	—/SSC/—	Regional subspecies with range limited to San Francisco Bay Area. Inhabits forests with moderate canopy cover and brushy understory.	Low. Suitable habitat for this species is not found on the project site.
Salt-marsh harvest mouse <i>Reithrodontomys raviventris</i>	FE/SE/FP	Dense pickleweed vegetation required with other halophytes often present.	Low to Moderate. Species has been recorded in nearby (1999; CDFW 2023) and could enter western portion of site (not part of project) from suitable pickleweed habitat west of the facility.
Salt-marsh wandering shrew <i>Sorex vagrans halicoetes</i>	—/SSC/—	Salt marshes of the south arm of San Francisco Bay. Found at medium to high marsh 6-8 ft above sea level where abundant driftwood is scattered among pickleweed.	Low. Suitable habitat for this species is located west of the facility in bay marshes but it has not been recorded in the vicinity.
American badger <i>Taxidea taxus</i>	—/SSC/—	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents.	Not Present. No suitable habitat for this species is located at the project site.

NOTES:

a USGS 7.5 minute quads Hayward, Redwood Point San Leandro and Newark.

Potential to Occur Categories:

Not Present = Project area and/or immediate vicinity do not support suitable habitat for a particular species. Project area is outside of the species known range.

Low Potential = The project area and/or immediate vicinity only provide limited habitat.

Moderate Potential = The project area and/or immediate vicinity provide suitable habitat and/or species may have been recorded nearby.

High Potential = The project area and/or immediate vicinity provide ideal habitat conditions and/or species have been recorded nearby.

STATUS CODES:

FEDERAL: (U.S. Fish and Wildlife Service)

- FT = Listed as Threatened (likely to become Endangered within the foreseeable future) by the Federal Government.
- BCC = Bird of Conservation Concern
- FC = Candidate for federal listing
- FD = Delisted

OTHER:

California Native Plant Society (CNPS) California Rare Plant Ranks (CRPR):

- 1A = Presumed extirpated in California; Rare or extinct in other parts of its range.
- 1B = Rare, threatened, or endangered throughout range; Most species in this rank are endemic to California.
- 2A = Extirpated in California, but common in other parts of its range.
- 2B = Rare, threatened, or endangered in California but common in other parts of its range.
- 3 = Need more information about species to assign it a ranking status.
- .1 = Seriously endangered in California
- .2 = Fairly endangered in California

STATE:

- ST = Listed as Threatened by the State of California
- SE = Listed as Endangered by the State of California
- SC = California Candidate for Listing
- SSC = California Species of Special Concern
- SCE = State Candidate Endangered
- CFP = California Department of Fish and Wildlife designated "fully protected"
- CD = delisted

WBWG = Western Bat Working Group:

- Low = Stable population
- Medium = Need more information about the species, possible threats, and protective actions to implement.
- High = Imperiled or at high risk of imperilment.

Xerces Society for Invertebrate Conservation (Xerces)

- CI = Critically imperiled
- IM = Imperiled
- VU = Vulnerable
- DD = Data Deficit