

ATTACHMENT 6-A SPECIAL-STATUS SPECIES WITH NO POTENTIAL TO OCCUR IN THE PROJECT AREA¹

Species Common Name <i>Scientific Name</i>	Listing Status ²	Habitat Requirements
<i>Invertebrates</i>		
Valley elderberry longhorn beetle <i>Desmocerus californicus dimorphus</i>	FT	Inhabits riparian habitats within the Central Valley and surrounding foothill areas where elderberry grow. One elderberry plant exists near the project, but not within the project area.
Antioch Dunes anthicid beetle <i>Anthicus antiochensis</i>	FSC	Inhabits sand dunes or other loose, sandy deposits in the Sacramento Delta area and Sacramento Valley. No suitable habitat present.
Sacramento anthicid beetle <i>Anthicus sacramento</i>	FSC	Inhabits sand dunes or other loose, sandy deposits in the Sacramento Delta area and Sacramento Valley. No suitable habitat present.
Curved-foot hygrotus diving beetle <i>Hygrotus curvipes</i>	FSC	Inhabits alkali vernal pools and other seasonal wetlands or slow-moving streams with pools and fringed with alkali vegetation between the Outer Coast Range and Sacramento Delta. No suitable habitat present.
Yellow-banded andrenid bee <i>Perdita hirticeps luteocincta</i>	FSC	Inhabits sand dunes or other loose sand deposits with late summer and fall flowering endemics, such as Gutierrezia, Senecio, and Eriogonum. No suitable habitat present.
San Joaquin dune beetle <i>Coelus gracilis</i>	FSC	Inhabits sand dunes or other loose, sandy deposits in the Sacramento Delta area and San Joaquin Valley. No suitable habitat present.
Antioch andrenid bee <i>Perdita scitula antiochensis</i>	FSC	Inhabits sand dunes or other loose, sandy deposits with late summer and fall-flowering endemics, such as Gutierrezia, Senecio, and Eriogonum. No suitable habitat present.
Ricksecker's water scavenger beetle <i>Hydrochara rickseckeri</i>	FSC	Inhabits seasonally ponded wetlands in the San Francisco Bay Area. No suitable habitat present.
Delta green ground beetle <i>Elaphrus viridis</i>	FT	Inhabits the margins of vernal playas and pools with well-defined shorelines. Known only from Jepson Prairie in Solano County. No suitable habitat present.
San Francisco lacewing <i>Nothochrysa californica</i>	FSC	Inhabits moist woodlands near the coast with coast live oak, bay, or pine. No suitable habitat present.

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Bay checkerspot butterfly <i>Euphydryas editha bayensis</i>	FT	Inhabits serpentine grasslands in the Greater San Francisco Bay Area. No suitable habitat present.
Marin elfin butterfly <i>Incisalia mossii marinensis</i>	FSC	Inhabits Marin County. The project area occurs outside the species' range.
Lange's metalmark butterfly <i>Apodemia mormo langei</i>	FE	Inhabits stabilized dunes along the San Joaquin River. Endemic to Antioch Dunes. No suitable habitat present.
Ciervo aegialian scarab beetle <i>Aegialia concinna</i>	FSC	Inhabits sand dunes or other loose, sandy deposits in the Sacramento Delta area and San Joaquin Valley. No suitable habitat present.
Antioch cophuran robberfly <i>Cophura hurdi</i>	FSC	Known only from the sand dunes at Antioch. No suitable habitat present.
Antioch efferian robberfly <i>Efferia antiochi</i>	FSC	Known only from the sand dunes at Antioch and San Joaquin Valley. No suitable habitat present.
Middlekauf's shieldback katydid <i>Idiostatus middlekaufi</i>	FSC	Known only from the sand dunes at Antioch and San Joaquin Valley. No suitable habitat present.
Hurd's metapogon robberfly <i>Metapogon hurdi</i>	FSC	Known only from the sand dunes at Antioch and San Joaquin Valley. No suitable habitat present.
Antioch mutillid wasp <i>Myrmosula pacifica</i>	FSC	Known only from the sand dunes at Antioch and San Joaquin Valley. No suitable habitat present.
Antioch sphecid wasp <i>Philanthus nasilis</i>	FSC	Occurs within the boundaries of Antioch Dunes. The project area is located outside the range for this species.
Fish		
Central Valley steelhead <i>Oncorhynchus mykiss</i>	FT/ NMFS	This area of Sand Creek suitable as rearing habitat only seasonally as stream retains very low flows in mid-summer, or none at all during drought years. Fish are currently blocked from moving upstream by an existing drop structure located on Marsh Creek between Oakley and Brentwood.

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Sacramento splittail <i>Pogonichthys macrolepidotus</i>	FT/CSC	Inhabits main waterbodies and sloughs of the Delta, Suisun Bay, Suisun Marsh, lower Napa River, lower Petaluma River, and other parts of the Estuary. Moves up into fresh water areas in the winter/spring, including the flooded Yolo and Sutter bypasses, for spawning purposes. Not directly associated with small freshwater tributaries. No suitable habitat present.
Green sturgeon <i>Acipenser medirostris</i>	FSC/ CSC	Inhabits main river systems, including the Sacramento-San Joaquin Estuary. Not directly associated with small freshwater Delta tributaries. No suitable habitat present.
Central Valley fall/late fall-run Chinook salmon <i>Oncorhynchus tshawytscha</i>	FSC/ NMFS/ CSC	Adults are at present blocked from moving upstream by an existing drop structure located on Marsh Creek between Oakley and Brentwood.
Longfin smelt <i>Spirinchus thaleichthys</i>	FSC	Inhabits main waterbodies of San Francisco, San Pablo, and Suisun bays. Migrates upstream to freshwater areas for spawning in winter. Not directly associated with small seasonal tributaries. No suitable habitat present.
Winter-run Chinook salmon <i>Oncorhynchus tshawytscha</i>	FE/ NMFS/ SE	Inhabits larger river systems, primarily the Sacramento River below Shasta Dam. Juveniles require cool water over the summer period for rearing. Not directly associated with seasonal tributaries. No suitable habitat present.
Central California Coast steelhead <i>Oncorhynchus mykiss</i>	FT/ NMFS/ SE	Occurs west of the Napa River drainage. No suitable habitat present.
Central Valley spring-run Chinook salmon <i>Oncorhynchus tshawytscha</i>	FT/ NMFS	Inhabits larger stream and river systems. Adults require large, deep pool habitats in which to over-summer. Not directly associated with small, low-flow tributaries. No suitable habitat present.
Coho salmon <i>Oncorhynchus kisutch</i>	FT/ NMFS	Inhabits perennial coastal streams to support juveniles throughout the year. Not found the Sacramento or San Joaquin main river systems or in small seasonal tributaries to the Delta at this time.
Tidewater goby <i>Eucyclogobius newberryi</i>	FPD/FE	Inhabits coastal lagoons close to the ocean. No suitable habitat present.

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Delta smelt <i>Hypomesus transpacificus</i>	FT/ST	Occurs primarily in main waterbodies and sloughs of the Delta and Suisun Bay. Not directly associated with small stream systems. No suitable habitat present.
<i>Amphibians/Reptiles</i>		
Alameda whipsnake <i>Masticophis lateralis euryxanthus</i>	FT/ST	Inhabits south-facing slopes and ravines where shrubs form a vegetative mosaic with oak trees and grasses. No suitable habitat present.
Giant garter snake <i>Thamnophis gigas</i>	FE/SE/ FPE	Requires mammal burrows for refuge and oviposition sites. No suitable habitat present.
California horned lizard <i>Phrynosoma coronatum frontale</i>	FSC/ CSC	Inhabits a variety of habitats, including riparian woodlands, chaparral, annual grasslands, and areas with exposed gravelly/sandy substrate with scattered shrubs. No suitable habitat present.
San Joaquin coachwhip (whipsnake) <i>Masticophis flagellum ruddocki</i>	FSC/ CSC	Inhabits in open, dry habitats with little or no tree cover. Found in valley grassland and saltbush scrub in San Joaquin Valley. No suitable habitat present.
Northwestern pond turtle <i>Clemmys marmorata marmorata</i>	FSC/ CSC	Inhabits ponds, marshes, rivers, streams, and irrigation ditches with aquatic vegetation. Requires basking sites; upland habitat in sandy banks or grassy open fields for egg laying. No suitable habitat present.
Southwestern pond turtle <i>Clemmys marmorata pallida</i>	FSC/ CSC	Inhabits permanent or nearly permanent bodies of water in many habitat types below 6,000 feet in elevation. No suitable habitat present.
Silvery legless lizard <i>Anniella pulchra pulchra</i>	FSC/ CSC	Inhabits soils with high moisture content that is sandy or loose and loamy under sparse vegetation. No suitable habitat present.
<i>Birds</i>		
Bald eagle <i>Haliaeetus leucocephalus</i>	FT/SE/ CFP	Found along coasts, lakes, and large rivers. Nests are usually on cliff edges or in tree forks. No suitable habitat present.

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California clapper rail <i>Rallus longirostris obsoletus</i>	FE/SE/ CFP	Inhabits salt-water and brackish marshes traversed by tidal sloughs in the vicinity of San Francisco Bay and containing dense pickleweed growth. No suitable habitat present.
California least tern <i>Sterna antillarum browni</i>	FE/SE/ CFP	Inhabits sandy beaches or bars at estuaries. No suitable habitat present.
San Pablo song sparrow <i>Melospiza melodia samuelis</i>	FSC/ CSC	Occurs only in the San Pablo area. No suitable habitat present.
American bittern <i>Botaurus lentiginosus</i>	FSC/ MNBMC	Inhabits tall, dense marsh vegetation. No suitable habitat present.
Marbled godwit <i>Limosa fedoa</i>	FSC	Forages on wet mud or sand or in shallow water. Typically found in the coastal California estuaries in mid-July and August. No suitable habitat present.
California brown pelican <i>Bymnogyps californicus</i>	FE/SE/ CFP/ MNBMC	Inhabits bays, estuaries, beaches, and ocean habitats. No suitable habitat present.
Western snowy plover <i>Charadrius alexandrinus nivosus</i>	FT/CSC/ MNBMC	Inhabits sandy beaches, salt pond levees, and shores of large alkali lakes.
<i>Mammals</i>		
Riparian (San Joaquin Valley) woodrat <i>Neotoma fuscipes riparia</i>	FE/CSC	The only known population is restricted to Caswell Memorial State Park. Outside the known current species range.
Riparian brush rabbit <i>Sylvilagus bachmani riparius</i>	FE/SE	Range includes only two known areas, on Caswell Memorial State Park, southern San Joaquin County, and near a railroad right-of-way in the Paradise Cut area south of Stockton. Outside the known current species range.
Salt marsh harvest mouse <i>Reithrodontomys raviventris</i>	FE/SE CFP	Primary habitat is pickleweed. Found only in the saline emergent wetlands of San Francisco Bay and its tributaries. No suitable habitat present.
Berkeley kangaroo rat <i>Dipodomys heermanni berkeleyensis</i>	FSC	Presumed to be extinct. No individuals have been observed since the 1970s. Outside the known current species range.

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Suisun ornate shrew <i>Sorex ornatus sinosus</i>	FSC/ CSC	Inhabits tidal marshes with cordgrass and pickleweed, and brackish marshes. Prefers dense, low-lying cover where invertebrates exist. No suitable habitat present.
Salt marsh (wandering) vagrant shrew <i>Sorex vagrans halicoetes</i>	FSC/ CSC	Inhabits the salt marshes of the south arm of San Francisco Bay. Outside the known current species range.

¹ Status:

U.S. Fish and Wildlife Service

FE Endangered

FT Threatened

FPD Federally proposed for delisting

FSC Federal Species of Concern: Former category 2 candidate; might be declining or in need of concentrated conservation actions to prevent decline; designation carries no legal protection (except under CEQA) and does not mean the species will be proposed for listing.

FD Federally Delisted; to be monitored for five years.

California Department of Fish and Game

CFP California Fully Protected species: May not be taken or possessed without a permit from the California Fish and Game Commission

CSC California Special Concern species: Vulnerable to extinction in California due to declining population levels, limited range, or other threats

ST State-listed as Threatened

SE State-listed as Endangered

MNBMC Migratory Non-game Bird of Management Concern

NMFS National Marine Fisheries Service

² Species are not known to occur in the region as researched in the California Natural Diversity Data Base and other documents in the vicinity of the project, or suitable habitat is not present in any condition.