

**Appendix E:**  
**Special-Status Wildlife Known or with Potential to  
Occur in the Study Area**

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**Special-Status Wildlife Known or with Potential to Occur in the Study Area**

<b>Common Name</b>	<b>Status<sup>a</sup> Federal/ State/ Other</b>	<b>Geographic Range</b>	<b>General Habitat Description</b>	<b>Habitat Presence/ Absence in Study Area</b>	<b>Rationale</b>
<b>Invertebrates</b>					
San Bruno elfin butterfly <i>Callophrys mossii bayensis</i>	FE/-/-	San Bruno Mountains, Montara Mountains, and northern end of Santa Cruz Mountains in San Mateo County	North-facing slopes and ridges facing Pacific Ocean from 600 to 1,100 feet that support <i>Sedum spathulifolium</i>	Absent	Study area located outside species' known range
Callippe silverspot butterfly <i>Speyeria callippe callippe</i>	FE/-/-	San Bruno Mountain, San Mateo County, and central Alameda County.	Open hillsides where wild pansy ( <i>Viola pendunculata</i> ) grows; larvae feed on Johnny jump-up plants, whereas adults feed on native mints and non-native thistles.	Present	Suitable grassland for host plants present in study area
Valley elderberry longhorn beetle <i>Desmocerus californicus dimorphus</i>	FT/-/-	Riparian habitats below 3,000 feet throughout the Central Valley	Valley elderberry longhorn beetle (VELB) is found only in association with its host plant, blue elderberry, which is commonly found in riparian forests and adjacent uplands in the Central Valley and foothills	Absent	Study area located outside species' known range
Conservancy fairy shrimp <i>Branchinecta conservatio</i>	FE/-/-	Disjunct occurrences in Solano, Merced, Tehama, Ventura, Butte, and Glenn Counties	Large, deep vernal pools in annual grasslands	Absent	Study area located outside species' known range

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Vernal pool fairy shrimp <i>Branchinecta lynchi</i>	FT/-/-	Central Valley, central and south Coast Ranges from Tehama to Santa Barbara County; isolated populations in Riverside County	Common in vernal pools; also found in sandstone rock outcrop pools	Present	Vernal pools and similar habitat occurs within portions of study area that may be impacted by Plan improvements
<b>Amphibians</b>					
California red-legged frog <i>Rana draytonii</i>	FT/-/SSC	Along the coast and coastal mountain ranges of California from Mendocino County to San Diego County and in the Sierra Nevada from Butte County to Stanislaus County	Permanent and semi-permanent aquatic habitats, such as creeks and cold water ponds, with emergent and submergent vegetation; may aestivate in rodent burrows or cracks during dry periods.	Present	Suitable aquatic (streams and wetlands) and upland habitat present in study area
California tiger salamander <i>Ambystoma californiense</i>	FT/ST/-	Central Valley, including Sierra Nevada foothills, up to approximately 1,000 feet in elevation, and coastal region from Sonoma County south to Santa Barbara County	Small ponds, lakes, or vernal pools in grasslands and oak woodlands for breeding; rodent burrows, rock crevices, or fallen logs for upland cover during dry season	Present	Study area includes suitable aquatic habitat (wetlands, seasonal streams) and upland habitat within 1.2 miles of suitable aquatic habitat (wetlands, seasonal streams)
Foothill yellow-legged frog <i>Rana boylei</i>	-/-/SSC	Klamath, Cascade, north Coast, south Coast, Transverse, and Sierra Nevada Ranges up to approximately 6,000 feet	Streams in woodland, forest, mixed chaparral, and wet meadow habitats with rock and gravel substrate and low overhanging vegetation along the edge; usually found near riffles with rocks and sunny banks nearby	Absent	Study area located outside of species' range
<b>Reptiles</b>					

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Alameda whipsnake <i>Masticophis lateralis euryxanthus</i>	FT/ST/-	Restricted to Alameda and Contra Costa Counties; fragmented into 5 disjunct populations throughout its range	Valleys, foothills, and low mountains associated with northern coastal scrub or chaparral habitat; requires rock outcrops for cover and foraging	Absent	Study area located outside species' known range
Western pond turtle <i>Emys marmorata</i>	-/-/SSC	From the Oregon border of Del Norte and Siskiyou Counties south along the coast to San Francisco Bay, inland through the Sacramento Valley, and on the western slope of Sierra Nevada	Ponds, marshes, rivers, streams, and irrigation canals with muddy or rocky bottoms and with watercress, cattails, water lilies, or other aquatic vegetation in woodlands, grasslands, and open forests	Present	Study area includes several streams and canals that provide high-quality aquatic habitat; also known to occur in Arroyo Las Positas
<b>Birds</b>					
Burrowing owl <i>Athene cunicularia</i>	-/-/SSC	Lowlands throughout California, including the Central Valley, northeastern plateau, southeastern deserts, and coastal areas; rare along south coast	Level, open, dry, heavily grazed or low stature grassland or desert vegetation to forage in with available burrows for refuge and nesting	Present	Study area includes suitable grassland habitat
California least tern <i>Sternula antillarum (=Sterna, =albifrons) browni</i>	FE/SE/FP	Along the Pacific Coast of California from San Francisco to Baja California	Nests on sandy, upper ocean beaches, and occasionally uses mudflats; forages on adjacent surf line, estuaries, or the open ocean	Absent	Suitable sandy beach or exposed mudflat habitat absent from study area

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Loggerhead shrike <i>Lanius ludovicianus</i>	-/-/SSC	Resident and winter visitor in lowlands and foothills throughout California; rare on coastal slope north of Mendocino County, occurring only in winter	Prefers open habitats with scattered shrubs, trees, posts, fences, utility lines, or other perches	Present	Study area includes suitable foraging and nesting habitat
Tricolored blackbird (nesting colony) <i>Agelaius tricolor</i>	-/-/SSC	Permanent resident in the Central Valley from Butte County to Kern County; breeds at scattered coastal locations from Marin County south to San Diego County, and at scattered locations in Lake, Sonoma, and Solano Counties; rare nester in Siskiyou, Modoc, and Lassen Counties	Nests in dense colonies in emergent marsh vegetation, such as tules and cattails, or upland sites with blackberries, nettles, thistles, and grainfields; habitat must be large enough to support 50 pairs; probably requires water at or near the nesting colony.	Present	Suitable riparian (nesting) habitat occurs in study area
White-tailed kite <i>Elanus leucurus</i>	-/-/FP	Lowland areas west of Sierra Nevada from the head of the Sacramento Valley south, including coastal valleys and foothills, to western San Diego County at the Mexico border	Dense-topped trees or shrubs for nesting, open grasslands, marshes, or agricultural fields for foraging	Present	Suitable nesting and foraging habitat occur within and/or near study area
<b>Mammals</b>					

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American badger <i>Taxidea taxus</i>	-/-/SSC	The majority of the northern, western, and central United States south to Baja California	Grasslands, savannas, mountain meadows, and open areas of desert scrub that support small mammal burrow complexes	Present	Grasslands and other open habitat occur in study area
Hoary bat <i>Lasiurus cinereus</i>	-/-/WBWG-Medium	Widespread throughout California	Roosts in trees, typically within forests	Present	Suitable tree-roosting habitat occurs in study area
San Joaquin kit fox <i>Vulpes macrotis mutica</i>	FE/ST/-	San Joaquin Valley and adjacent open foothills to the west; recent records from 17 counties extending from Kern County north to Contra Costa County	Saltbush scrub, grassland, oak, savanna, and freshwater scrub	Absent	Study area located outside of species' known range
Townsend's big-eared bat <i>Corynorhinus townsendii</i>	-/SCT/ WBWG-High	Coastal regions from Del Norte County south to Santa Barbara County	Roosts in caves, tunnels, mines, and dark attics of abandoned buildings; very sensitive to disturbances and may abandon a roost after one onsite visit	Present	Suitable man-made structures for roosting habitat occur in study area
<b>Fish</b>					
Central California Coast steelhead <i>Oncorhynchus mykiss</i>	FT/-/-	Russian River to Soquel Creek, Santa Cruz Co.	Cold, clear water with clean gravel of appropriate size for spawning. Most spawning occurs in headwater streams. Steelhead migrate to the ocean to feed and grow until sexually mature.	Absent	No suitable habitat is present in the Planning area. Arroyo Los Positas is an ephemeral ditch with no tree cover in the Planning area. Also, Steelhead are currently blocked from migration downstream in Alameda Creek.

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Hardhead <i>Mylopharodon conocephalus</i>	-/SSC	Tributary streams in the San Joaquin drainage; large tributary streams in the Sacramento River and the main stem	Reside in low to mid-elevation streams and prefer clear, deep pools and runs with slow velocities. Also occur in reservoirs.	Present	No suitable habitat is present in the Planning area. Arroyo Los Positas is an ephemeral ditch with no tree cover in the Planning area.

Notes:

a Status Codes

- no listing.
- FE listed as endangered under the federal Endangered Species Act.
- FT listed as threatened under the federal Endangered Species Act.
- PD proposed for delisting under the federal Endangered Species Act.
- D delisted.
- SE listed as endangered under the California Endangered Species Act.
- ST listed as threatened under the California Endangered Species Act.
- SSC listed as a Species of Special Concern by the State of California.
- SCT candidate for state threatened listing under the California Endangered Species Act.
- FP California fully protected species.
- WBWG Western Bat Working Group conservation priority (High or Medium)