

Appendix F
Special-Status Species Potentially Present
in the Project Area

**Table F-1
Special-Status Species Potentially Present in the Project Area**

Species	Federal	State	Habitat Association	Potential to Occur
Invertebrates				
Valley elderberry longhorn beetle (<i>Desmocerus californicus dimorphus</i>)	T	-	Riparian scrub in association with blue elderberry (<i>Sambucus mexicana</i>)	Moderate potential to occur in elderberry plants within project area.
Vernal pool tadpole shrimp (<i>Lepidurus packardii</i>)	E	-	Valley and foothill grassland; vernal pool; wetland	No potential to occur. Habitat not present.
Crotch bumble bee (<i>Bombus crotchii</i>)	-	CE	Generalist, found on flowering plants	Potential to occur throughout vegetated portions of study area.
Western bumble bee (<i>Bombus occidentalis</i>)	-	CE	Generalist, found on flowering plants	Potential to occur throughout vegetated portions of study area.
Amphibians				
California tiger salamander (<i>Ambystoma californiense</i>)	T	T	Cismontane woodland; meadow and seep; riparian woodland; valley and foothill grassland	No potential to occur. Habitat not present.
Western pond turtle (<i>Emys marmorata</i>)	-	SSC	Aquatic; flowing waters; standing waters; wetland	Moderate potential to occur on shoreline banks.
Western spadefoot (<i>Spea hammondi</i>)	-	SSC	Primarily in grassland habitats; vernal pools required for breeding and egg-laying	No potential to occur. Habitat not present.
Birds				
Tricolored blackbird (<i>Agelaius tricolor</i>)	-	CE; SSC	Freshwater marsh; marsh and swamp; swamp; wetland	No potential to occur. Habitat not present.
Burrowing owl (<i>Athene cunicularia</i>)	-	SSC	Prairie; scrub; grassland	No potential to occur. Habitat not present.
White-tailed kite (<i>Elanus leucurus</i>)	-	FP	Open grasslands; savanna; open woodlands; marshes; desert grassland; partially cleared lands; cultivated fields	Moderate potential to forage or nest in trees within project area.
Swainson's hawk (<i>Buteo swainsoni</i>)	-	T	Great Basin grassland; riparian forest; riparian woodland; valley and foothill grassland	Moderate potential to forage or nest in trees within project area.

Species	Federal	State	Habitat Association	Potential to Occur
Palmate-bracted bird's beak (<i>Chloropyron plamatum</i>)	E	E	Chenopod scrub; valley and foothill grassland	No potential to occur. Habitat not present.
Least Bell's vireo (<i>Vireo bellii pusillus</i>)	E	E	Riparian forest; riparian scrub; riparian woodland	No potential to occur. Habitat not present.
California black rail (<i>Laterallus jamaicensis coturniculus</i>)	-	T; FP	Brackish marsh; freshwater marsh; marsh and swamp; salt marsh; wetland	No potential to occur. Habitat not present.
Song sparrow ("Modesto" population) (<i>Melospiza melodia</i>)	-	SSC	Riparian shrub-scrub	No potential to occur. Habitat not present.
Yellow-headed blackbird (<i>Xanthocephalus xanthocephalus</i>)	-	SSC	Marsh and swamp; wetland	No potential to occur. Habitat not present.
Loggerhead shrike (<i>Lanius ludovicianus</i>)	-	SSC	Broadleaved upland forest, desert wash, Joshua tree woodland, Mojave Desert scrub, piñon and juniper woodlands, riparian woodland, Sonoran Desert scrub	No potential to occur. Habitat not present.
Mammals				
Riparian brush rabbit (<i>Sylvilagus bachmani riparius</i>)	E	E	Riparian forest	No potential to occur. Habitat not present.
American badger (<i>Taxidea taxus</i>)	-	SSC	Variety of terrestrial habitats	Very low potential to occur. Habitat marginal and only a single occurrence in nine quadrangle search area taken in 1938.
Fish				
Green sturgeon – Southern DPS (<i>Acipenser medirostris</i>)	E	-	Aquatic; estuary	Moderate potential to occur in San Joaquin River.
Delta smelt (<i>Hypomesus transpacificus</i>)	T	E	Aquatic; estuary	Very low potential to occur in San Joaquin River.
Steelhead – Central Valley DPS (<i>Oncorhynchus mykiss irideus</i>)	T	-	Aquatic; Sacramento/San Joaquin flowing waters	Moderate potential to occur in San Joaquin River.
Chinook salmon – Central Valley spring run ESU (<i>Oncorhynchus tshawytscha</i>)	T	-	Aquatic; estuary	Moderate potential to occur in San Joaquin River.
Longfin smelt (<i>Spirinchus thaleichthys</i>)	C	T; SSC	Aquatic; estuary	Moderate potential to occur in San Joaquin River.

Species	Federal	State	Habitat Association	Potential to Occur
Reptiles				
Giant garter snake (<i>Thamnophis gigas</i>)	T	T	Marsh and swamp; riparian scrub; wetland	No potential to occur. Habitat not present.
Plants				
Palmate-bracted salty bird's-beak (<i>Chloropyron palmatum</i>)	E	E; 1B.1	Chenopod scrub; meadow and seep; valley and foothill grassland; wetland	No potential to occur. Habitat not present.
Delta button-celery (<i>Eryngium racemosum</i>)	-	E; 1B.1	Riparian scrub; wetland	No potential to occur. Habitat not present.

Notes:

Sources:

California Natural Diversity Database 2021 search of project area and surrounding quadrangles (Stockton West, Terminous, Lodi South, Waterloo, Stockton East, Manteca, Lathrop, Union Island, and Holt).

50 Code of Federal Regulations 226

NOAA 2009

1B.1: California Rare Plant Rank defined as rare, threatened, or endangered in California and elsewhere; seriously threatened in California (more than 80% of occurrences threatened/high degree and immediacy of threat)

C: candidate

DPS: distinct population segment

E: endangered

ESU: evolutionary significant unit

FP: California Department of Fish and Wildlife fully protected

SSC: state species of special concern

T: threatened