

## Appendix D

### California Natural Diversity Database List

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## Appendix C

### Listed Species with Potential to Occur in the Action Area

Species	Federal	State	Habitat Association	Potential to Occur
<b>Plants<sup>1</sup></b>				
Large-flowered Fiddleneck ( <i>Amsinckia grandiflora</i> )	E	E	Native perennial bunch grass communities	Very low potential to occur. Habitat not present.
Alkali milk-vetch ( <i>Astragalus tener</i> var. <i>tener</i> )	--	1B.2	Alkali flats, annual grassland, vernal pool	Very low potential to occur due to disturbance.
Heartscale ( <i>Atriplex cordulata</i> var. <i>cordulata</i> )	--	1B.2	Chenopod scrub, grassland, meadow, seeps	No potential to occur. Habitat not present.
Big tarplant ( <i>Blepharizonia plumosa</i> )	--	1B.1	Valley and foothill grassland	Very low potential to occur. Habitat not present.
Watershield ( <i>Brasenia schreberi</i> )	--	2B.3	Fresh water marshes and swamps	Very low potential to occur. Potential habitat adjacent to project area.
Bristly sedge ( <i>Carex comosa</i> )	--	2B.1	Marsh, swamp, coastal prairie, grassland	Very low potential to occur. Habitat not present.
Palmate-bracted bird's-beak ( <i>Chloropyron palmatum</i> )	E	E, 1B.1	Chenopod scrub, grassland	Very low potential to occur. Potential habitat adjacent to project area.
Slough thistle ( <i>Cirsium crassicaule</i> )	--	1B.1	Chenopod scrub, marshes and swamps, riparian scrub	Very low potential to occur. Potential habitat adjacent to project area.
Recurved larkspur ( <i>Delphinium recurvatum</i> )	--	1B.2	Chenopod scrub, grassland, cismontane woodland	Very low potential to occur. Potential habitat adjacent to project area.
Delta button-celery ( <i>Eryngium racemosum</i> )	--	E, 1B.1	Riparian scrub	No potential to occur. Habitat not present.
San Joaquin spearscale ( <i>Extriplex joaquinana</i> )	--	1B.2	Chenopod scrub, alkali meadow, playas, grassland	Very low potential to occur. Potential habitat adjacent to project area.
Woolly rose-mallow ( <i>Hibiscus lasiocarpus</i> var. <i>occidentalis</i> )	--	1B.2	Freshwater marsh and swamp, wetland	Very low potential to occur. Potential habitat adjacent to project area.
Delta tule pea ( <i>Lathyrus jepsonii</i> var. <i>jepsonii</i> )	--	1B.2	Marsh, swamp, wetland	Very low potential to occur. Habitat not present.
Mason's lilaeopsis ( <i>Lilaeopsis masonii</i> )	--	R, 1B.1	Freshwater marsh, riparian scrub, wetland	Very low potential to occur. Potential habitat adjacent to project area.

Species	Federal	State	Habitat Association	Potential to Occur
Delta mudwort ( <i>Limosella australis</i> )	--	2B.1	Marsh, swamp, riparian scrub, wetland	Very low potential to occur. Potential habitat adjacent to project area.
Sanford's arrowhead ( <i>Sagittaria sanfordii</i> )	--	1B.2	Marshes and swamps	Very low potential to occur. Habitat not present.
Side-flowering skullcap ( <i>Scutellaria lateriflora</i> )	--	2B.2	Meadows and seeps, marshes and swamps	No potential to occur. Habitat not present.
Suisun Marsh aster ( <i>Symphotrichum lentum</i> )	--	1B.2	Marsh, swamp, wetland	Very low potential to occur. Habitat not present.
Wright's trichocoronis ( <i>Trichocoronis wrightii</i> var. <i>wrightii</i> )	--	2B.1	Marshes and swamps, riparian forest, meadows and seeps, vernal pools	No potential to occur. Habitat not present.
Saline clover ( <i>Trifolium hydrophilum</i> )	--	1B.2	Marshes and swamps, grassland, vernal pools	No potential to occur. Habitat not present.
Caper-fruited tropidocarpum ( <i>Tropidocarpum capparideum</i> )	--	1B.1	Grassland	Very low potential to occur requires alkaline soils not present in the project area.
<b>Crustaceans</b>				
Vernal Pool Fairy Shrimp ( <i>Branchinecta lynchi</i> )	T	--	Vernal pool	No potential to occur. Habitat not present.
Vernal pool tadpole shrimp ( <i>Lepidurus packardii</i> )	E	--	Grassland, vernal pool, wetland	No potential to occur. Habitat not present.
California linderiella ( <i>Linderiella occidentalis</i> )	--	--	Vernal pool	No potential to occur. Habitat not present.
<b>Insects</b>				
Monarch butterfly ( <i>Danaus Plexippus</i> )	C	--	Open fields and meadows, milkweed necessary for breeding	Very low potential to occur. Habitat not present.
Valley elderberry longhorn beetle ( <i>Desmocerus californicus dimorphus</i> )	T	--	Riparian scrub	No potential to occur. Habitat and host plant not present. .
<b>Fish</b>				
Green sturgeon - southern DPS ( <i>Acipenser medirostris</i> )	T	--	Estuary, marine bay	No potential to occur. Habitat not present.
Delta smelt ( <i>Hypomesus transpacificus</i> )	T	E	Estuary	No potential to occur. Habitat not present.
Steelhead - Central Valley DPS ( <i>Oncorhynchus mykiss irideus</i> )	T	--	Aquatic	No potential to occur. Habitat not present.

Species	Federal	State	Habitat Association	Potential to Occur
Longfin smelt ( <i>Spirinchus thaleichthys</i> )	C	T	Aquatic	No potential to occur. Habitat not present.
<b>Amphibians</b>				
California tiger salamander - central California DPS ( <i>Ambystoma californiense</i> )	T	T	Grassland, open woodland, vernal pool, wetland	Very low potential to occur. Potential habitat adjacent to project area.
Western spadefoot ( <i>Spea hammondi</i> )	--	SSC	Grassland habitats, vernal pools necessary for breeding	Very low potential to occur. No vernal pools.
<b>Reptiles</b>				
Western pond turtle ( <i>Emys marmorata</i> )	--	SSC	Ponds, marshes, rivers, streams and irrigation ditches	Very low potential to occur. Potential habitat adjacent to project area.
Giant gartersnake ( <i>Thamnophis gigas</i> )	T	T	Vicinity of freshwater marshes, ponds and slow- moving streams in San Mateo County and extreme northern Santa Cruz County.	Very low potential to occur. Habitat not present.
<b>Birds</b>				
Tricolored blackbird ( <i>Agelaius tricolor</i> )	--	T, SSC	Freshwater marsh and swamp, wetland	Very low potential to occur for foraging purposes.
Burrowing owl ( <i>Athene cunicularia</i> )	--	SSC	Grassland, desert, scrubland	Moderate potential to occur.
Swainson's hawk ( <i>Buteo swainsoni</i> )	--	T	Grassland, riparian forest	Very low potential to occur for foraging purposes.
White-tailed kite ( <i>Elanus leucurus</i> )	--	FP	Foothills with scattered oaks and river bottomlands, marshes near woodland	Very low potential to occur for foraging purposes.
Loggerhead shrike ( <i>Lanius ludovicianus</i> )	--	SSC	Broken woodlands, savannah, pinyon-juniper, Joshua tree, and riparian woodlands, desert oases, scrub, washes	Very low potential to occur for foraging purposes.
California black rail ( <i>Laterallus jamaicensis coturniculus</i> )	--	T, FP	Marsh, swamp, wetland	No potential to occur. Habitat not present.
Song sparrow – "Modesto" population ( <i>Melospiza melodia</i> )	--	SSC	Freshwater marshes, riparian thickets, sparsely vegetated irrigation canals, Valley Oak restoration sites	Very low potential to occur. Potential habitat adjacent to project area.
Least Bell's vireo ( <i>Vireo bellii pusillus</i> )	E	E	Riparian forest, riparian scrub, riparian woodland	No potential to occur. Habitat not present.

Species	Federal	State	Habitat Association	Potential to Occur
Yellow-headed blackbird ( <i>Xanthocephalus xanthocephalus</i> )	--	SSC	Marsh, swamp, wetland	Very low potential to occur. Habitat not present.
<b>Mammals</b>				
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	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils.	Very low potential to occur due to disturbance.

Notes:

Sources:

California Department of Fish and Wildlife, 2022. California Natural Diversity Database search of proposed project area quadrangles (Stockton West, Terminous, Lodi South, Waterloo, Stockton East, Manteca, Lathrop, Union Island, and Holt).

USFWS, 2020. IPaC Resource List for San Francisco County, California. June 15, 2022.

1. Special status plant species listed in this table include plants with state or federal endangered species act designations.

--: not applicable

C: candidate

CNDDDB: California Natural Diversity Database

CNPS: California Native Plant Society

DPS: distinct population segment

E: endangered

FP: California Department of Fish and Wildlife fully protected

R: Rare

Rare Plant Ranks:

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

1B.2: rare, threatened, or endangered in California and elsewhere; moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)

2B.1: rare, threatened, or endangered in California, but more common elsewhere; seriously threatened in California (more than 80% of occurrences threatened/high degree and immediacy of threat)

2B.2: rare, threatened, or endangered in California, but more common elsewhere; moderately threatened in California (20% to 80% of occurrences threatened/moderate degree and immediacy of threat)

2B.3: rare, threatened, or endangered in California, but more common elsewhere; not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

SSC: state species of special concern

T: threatened