

Attachment J

Special Status Species Evaluation Tables

Table J-1 Special Status Plant Species in the Regional Vicinity (Twelve Quad) of the Study Area

Scientific Name Common Name	Status Fed/State ESA CRPR	Habitat Requirements	Potential to Occur	Rationale
<i>Allium peninsulare</i> var. <i>franciscanum</i> Franciscan onion	None/None G5T2/S2 1B.2	Cismontane woodland, Valley and foothill grassland. clay, volcanic, often serpentinite. 52 - 305 m. perennial bulbiferous herb. Blooms (Apr)May-Jun	Not Expected	No suitable elevation, habitat (i.e., cismontane woodland, valley and foothill grassland), or soils are present. The species is not expected to occur within project sites.
<i>Amorpha californica</i> var. <i>napensis</i> Napa false indigo	None/None G4T2/S2 1B.2	Broadleaved upland forest (openings), Chaparral, Cismontane woodland. 50 - 2000 m. perennial deciduous shrub. Blooms Apr-Jul	Not Expected	No suitable habitat (i.e., broadleaved upland forest, chaparral, cismontane woodland) is present. The species is not expected to occur within project sites.
<i>Amsinckia lunaris</i> bent-flowered fiddleneck	None/None G3/S3 1B.2	Coastal bluff scrub, Cismontane woodland, Valley and foothill grassland. 3 - 500 m. annual herb. Blooms Mar-Jun	Not Expected	No suitable habitat (i.e., cismontane woodland, valley and foothill grassland, and coastal bluff scrub) is present. The species is not expected to occur within project sites.
<i>Arctostaphylos franciscana</i> Franciscan manzanita	FE/None G1/S1 1B.1	Coastal scrub (serpentinite). 60 - 300 m. perennial evergreen shrub. Blooms Feb-Apr	Not Expected	No suitable habitat (i.e., chaparral) or elevations are present. The species is not expected to occur within project sites.
<i>Arctostaphylos imbricata</i> San Bruno Mountain manzanita	None/SE G1/S1 1B.1	Chaparral, Coastal scrub. rocky. 275 - 370 m. perennial evergreen shrub. Blooms Feb-May	Not Expected	No suitable habitat (i.e., chaparral and coastal scrub) or elevations are present. The species is not expected to occur within project sites.
<i>Arctostaphylos montana</i> ssp. <i>ravenii</i> Presidio manzanita	FE/SE G3T1/S1 1B.1	Chaparral, Coastal prairie, Coastal scrub. serpentinite outcrop. 45 - 215 m. perennial evergreen shrub. Blooms Feb-Mar	Not Expected	No suitable habitat (i.e., chaparral and coastal prairie or scrub) or soils are present. The species is not expected to occur within project sites.
<i>Arctostaphylos montaraensis</i> Montara manzanita	None/None G1/S1 1B.2	Chaparral (maritime), Coastal scrub. 80 - 500 m. perennial evergreen shrub. Blooms Jan-Mar	Not Expected	No suitable habitat (i.e., chaparral and coastal scrub) or elevations are present. The species is not expected to occur within project sites.
<i>Arctostaphylos pacifica</i> Pacific manzanita	None/SE G1/S1 1B.1	Chaparral, Coastal scrub. 330 - 330 m. evergreen shrub. Blooms Feb-Apr	Not Expected	No suitable habitat (i.e., coastal scrub and chaparral) or elevations are present. The species is not expected to occur within project sites.



Scientific Name Common Name	Status Fed/State ESA CRPR	Habitat Requirements	Potential to Occur	Rationale
<i>Arctostaphylos pallida</i> pallid manzanita	FT/SE G1/S1 1B.1	Broadleafed upland forest, Closed-cone coniferous forest, Chaparral, Cismontane woodland, Coastal scrub. siliceous shale, sandy or gravelly. 185 - 465 m. perennial evergreen shrub. Blooms Dec-Mar	Not Expected	No suitable habitat (i.e., broadleafed upland forest, chaparral, cismontane woodland or coastal scrub), elevations, or soils are present. The species is not expected to occur within project sites.
<i>Arenaria paludicola</i> marsh sandwort	FE/SE G1/S1 1B.1	Occurs in sandy substrates and openings within freshwater or brackish marshes and swamps. This species blooms between May and August, and typically occurs at elevations ranging from 3-170 meters.	Not Expected	No suitable marsh habitat or sandy soils are present. The species is not expected to occur within project sites.
<i>Astragalus tener</i> var. <i>tener</i> alkali milk-vetch	None/None G2T1/S1 1B.2	Playas, Valley and foothill grassland (adobe clay), Vernal pools. alkaline. 1 - 60 m. annual herb. Blooms Mar-Jun	Not Expected	No suitable habitat (i.e., alkali playa, valley and foothill grassland, or vernal pools) or soils are present. The species is not expected to occur within project sites.
<i>Balsamorhiza macrolepis</i> big-scale balsamroot	None/None G2/S2 1B.2	Perennial herb. Blooms Mar-June. Chaparral, valley and foothill grassland, cismontane woodland. Sometimes on serpentine. 90-1555 m.	Not Expected	No suitable habitat (i.e., chaparral, valley and foothill grassland, cismontane woodland) or soils are present. The species is not expected to occur within project sites.
<i>Blepharizonia plumosa</i> big tarplant	None/None G1G2/S1S2 1B.1	Valley and foothill grassland. Usually clay. 30 - 505 m. annual herb. Blooms Jul-Oct	Not Expected	No suitable habitat (i.e., chaparral, cismontane woodland, riparian woodland, or valley and foothill grassland) or soils are present. The species is not expected to occur within project sites.
<i>Calochortus pulchellus</i> Mt. Diablo fairy-lantern	None/None G2/S2 1B.2	Chaparral, Cismontane woodland, Riparian woodland, Valley and foothill grassland. 30 - 840 m. perennial bulbiferous herb. Blooms Apr-Jun	Not Expected	No suitable habitat (i.e., broadleafed upland forest, chaparral, cismontane woodland or coastal scrub) is present. The species is not expected to occur within project sites.



Scientific Name Common Name	Status Fed/State ESA CRPR	Habitat Requirements	Potential to Occur	Rationale
<i>Calochortus tiburonensis</i> Tiburon mariposa lily	FT/ST G1/S1 1B.1	Valley and foothill grassland (serpentinite). 50 - 150 m. perennial bulbiferous herb. Blooms Mar-Jun	Not Expected	No suitable valley and foothill grassland habitat or soils are present. The species is not expected to occur within project sites.
<i>Calystegia purpurata</i> ssp. <i>saxicola</i> coastal bluff morning-glory	None/None G4T2T3/S2S3 1B.2	Coastal bluff scrub, Coastal dunes, Coastal scrub, North Coast coniferous forest. 0 - 105 m. perennial herb. Blooms (Mar)Apr-Sep	Not Expected	No suitable coastal habitat or is present. The species is not expected to occur within project sites.
<i>Carex comosa</i> bristly sedge	None/None G5/S2 2B.1	Coastal prairie, Marshes and swamps (lake margins), Valley and foothill grassland. 0 - 625 m. perennial rhizomatous herb. Blooms May-Sep	Not Expected	No suitable marsh habitat is present. The species is not expected to occur within project sites.
<i>Carex praticola</i> northern meadow sedge	None/None G5/S2 2B.2	Meadows and seeps (mesic). 0 - 3200 m. perennial herb. Blooms May-Jul	Not Expected	No suitable meadow habitats are present. The species is not expected to occur within project sites.
<i>Castilleja affinis</i> var. <i>neglecta</i> Tiburon paintbrush	FE/ST G4G5T1T2/S1S2 1B.2	Valley and foothill grassland (serpentinite). 60 - 400 m. perennial herb (hemiparasitic). Blooms Apr-Jun	Not Expected	No suitable valley and foothill grassland habitat or elevations are present. The species is not expected to occur within project sites.
<i>Centromadia parryi</i> ssp. <i>congdonii</i> Congdon's tarplant	None/None G3T1T2/S1S2 1B.1	Valley and foothill grassland (alkaline). 0 - 230 m. annual herb. Blooms May-Oct(Nov)	Not Expected	No suitable valley and foothill grassland habitat or alkaline soils are present. The species is not expected to occur within project sites.
<i>Centromadia parryi</i> ssp. <i>parryi</i> pappose tarplant	None/None G3T2/S2 1B.2	Chaparral, Coastal prairie, Meadows and seeps, Marshes and swamps (coastal salt), Valley and foothill grassland (vernally mesic). often alkaline. 0 - 420 m. annual herb. Blooms May-Nov	Not Expected	No suitable habitat (i.e., chaparral, coastal prairie or saltmarsh, valley and foothill grassland, meadows and seeps) or soils are present. The species is not expected to occur within project sites.
<i>Chloropyron maritimum</i> ssp. <i>palustre</i> Point Reyes bird's-beak	None/None G4?T2/S2 1B.2	Marshes and swamps (coastal salt). 0 - 10 m. annual herb (hemiparasitic). Blooms Jun-Oct	Not Expected	No suitable coastal salt marsh habitat is present. The species is not expected to occur within project sites.
<i>Chloropyron molle</i> ssp. <i>molle</i> soft bird's-beak	FE/SR G2T1/S1 1B.2	Marshes and swamps (coastal salt). 0 - 3 m. annual herb (hemiparasitic). Blooms Jun-Nov	Not Expected	No suitable coastal salt marsh habitat is present. The species is not expected to occur within project sites.



Scientific Name Common Name	Status Fed/State ESA CRPR	Habitat Requirements	Potential to Occur	Rationale
<i>Chorizanthe cuspidata</i> var. <i>cuspidata</i> San Francisco Bay spineflower	None/None G2T1/S1 1B.2	Coastal bluff scrub, Coastal dunes, Coastal prairie, Coastal scrub. sandy. 3 - 215 m. annual herb. Blooms Apr-Jul(Aug)	Not Expected	No suitable coastal habitat or soils are present. The species is not expected to occur within project sites.
<i>Chorizanthe robusta</i> var. <i>robusta</i> robust spineflower	FE/None G2T1/S1 1B.1	Chaparral (maritime), Cismontane woodland (openings), Coastal dunes, Coastal scrub. sandy or gravelly. 3 - 300 m. annual herb. Blooms Apr-Sep	Not Expected	No suitable habitat (i.e., cismontane woodland, coastal dunes, coastal scrub, chaparral) or sandy soils are present. The species is not expected to occur within project sites.
<i>Cicuta maculata</i> var. <i>bolanderi</i> Bolander's water-hemlock	None/None G5T4T5/S2? 2B.1	Marshes and swamps Coastal, fresh or brackish water. 0 - 200 m. perennial herb. Blooms Jul-Sep	Not Expected	No suitable marsh habitats are present. The species is not expected to occur within project sites.
<i>Cirsium andrewsii</i> Franciscan thistle	None/None G3/S3 1B.2	Broadleafed upland forest, Coastal bluff scrub, Coastal prairie, Coastal scrub. mesic, sometimes serpentinite. 0 - 150 m. perennial herb. Blooms Mar-Jul	Not Expected	No suitable habitat (i.e., coastal bluff scrub, broadleafed upland forest, coastal scrub, coastal prairie) or soils are present. The species is not expected to occur within project sites.
<i>Cirsium hydrophilum</i> var. <i>vaseyi</i> Mt. Tamalpais thistle	None/None G2T1/S1 1B.2	Broadleafed upland forest, Chaparral, Meadows and seeps. serpentinite seeps. 240 - 620 m. perennial herb. Blooms May-Aug	Not Expected	No suitable habitat (i.e., broadleafed upland forest, chaparral, meadows and seeps), elevations, or soils are present. The species is not expected to occur within project sites.
<i>Cirsium occidentale</i> var. <i>compactum</i> compact cobwebby thistle	None/None G3G4T2/S2 1B.2	Chaparral, Coastal dunes, Coastal prairie, Coastal scrub. 5 - 150 m. perennial herb. Blooms Apr-Jun	Not Expected	No suitable habitat (i.e., chaparral and coastal dunes, prairie, and scrub) is present. The species is not expected to occur within project sites.
<i>Clarkia franciscana</i> Presidio clarkia	FE/SE G1/S1 1B.1	Coastal scrub, Valley and foothill grassland (serpentinite). 25 - 335 m. annual herb. Blooms May-Jul	Not Expected	No suitable coastal scrub habitat or soils are present. The species is not expected to occur within project sites.
<i>Collinsia corymbosa</i> round-headed Chinese-houses	None/None G1/S1 1B.2	Coastal dunes. 0 - 20 m. annual herb. Blooms Apr-Jun	Not Expected	No suitable coastal dunes habitat is present. The species is not expected to occur within project sites.



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<i>Collinsia multicolor</i> San Francisco collinsia	None/None G2/S2 1B.2	Annual herb. Blooms March-May. Closed-cone coniferous forest, coastal scrub. On decomposed shale (mudstone) mixed with humus. 30-250m (100-820ft).	Not Expected	No suitable habitat (i.e., closed-cone coniferous forest and coastal scrub) or soils are present. The species is not expected to occur within project sites.
<i>Dirca occidentalis</i> western leatherwood	None/None G2/S2 1B.2	Broadleafed upland forest, Closed-cone coniferous forest, Chaparral, Cismontane woodland, North Coast coniferous forest, Riparian forest, Riparian woodland. mesic. 25 - 425 m. perennial deciduous shrub. Blooms Jan-Mar(Apr)	Not Expected	No suitable habitats (i.e., broadleafed upland forest, chaparral, closed-cone coniferous forest, cismontane woodland, north coast coniferous forest, riparian forest, riparian woodland) are present. The species is not expected to occur within project sites.
<i>Eriogonum luteolum</i> var. <i>caninum</i> Tiburon buckwheat	None/None G5T2/S2 1B.2	Chaparral, Cismontane woodland, Coastal prairie, Valley and foothill grassland. serpentine, sandy to gravelly. 0 - 700 m. annual herb. Blooms May-Sep	Not Expected	No suitable habitat (i.e., chaparral, valley and foothill grassland, cismontane woodland, coastal prairie) or soils are present. The species is not expected to occur within project sites.
<i>Eryngium jepsonii</i> Jepson's coyote thistle	None/None G2?/S2? 1B.2	Valley and foothill grassland, Vernal pools. clay. 3 - 300 m. perennial herb. Blooms Apr-Aug	Not Expected	No suitable vernal pool habitat or soils are present. The species is not expected to occur within project sites.
<i>Extriplex joaquinana</i> San Joaquin spearscale	None/None G2/S2 1B.2	Annual herb. Blooms April through October. Chenopod scrub, alkali meadow, playas, valley and foothill grassland. In seasonal alkali wetlands or alkali sink scrub with <i>Distichlis spicata</i> , <i>Frankenia</i> , etc. 1-835 m.	Not Expected	No suitable alkali wetlands habitat or soils are present. The species is not expected to occur within project sites.
<i>Fissidens pauperculus</i> minute pocket moss	None/None G3?/S2 1B.2	North Coast coniferous forest (damp coastal soil). 10 - 1024 m. moss. Blooms	Not Expected	No suitable north coast coniferous forest habitat or soils are present. The species is not expected to occur within project sites.



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<i>Fritillaria liliacea</i> fragrant fritillary	None/None G2/S2 1B.2	Cismontane woodland, Coastal prairie, Coastal scrub, Valley and foothill grassland. Often serpentinite. 3 - 410 m. perennial bulbiferous herb. Blooms Feb-Apr	Not Expected	No suitable habitat (i.e., coastal scrub, valley and foothill grassland, coastal prairie, cismontane woodland) or soils are present. The species is not expected to occur within project sites.
<i>Gilia capitata</i> ssp. <i>chamissonis</i> blue coast gilia	None/None G5T2/S2 1B.1	Coastal dunes, Coastal scrub. 2 - 200 m. annual herb. Blooms Apr-Jul	Not Expected	No suitable coastal habitat is present. The species is not expected to occur within the project sites.
<i>Gilia millefoliata</i> dark-eyed gilia	None/None G2/S2 1B.2	Coastal dunes. 2 - 30 m. annual herb. Blooms Apr-Jul	Not Expected	No suitable coastal dunes habitat is present. The species is not expected to occur within the project sites.
<i>Helianthella castanea</i> Diablo helianthella	None/None G2/S2 1B.2	Broadleafed upland forest, Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland, Valley and foothill grassland. Usually rocky, axonal soils. Often in partial shade. 60 - 1300 m. perennial herb. Blooms Mar-Jun	Not Expected	No suitable habitat (i.e., broadleafed upland forest, chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland) or soils are present. The species is not expected to occur within the project sites.
<i>Hemizonia congesta</i> ssp. <i>congesta</i> congested-headed hayfield tarplant	None/None G5T2/S2 1B.2	Valley and foothill grassland. sometimes roadsides. 20 - 560 m. annual herb. Blooms Apr-Nov	Not Expected	No suitable valley and foothill grassland habitat are present. While this species can occur in ruderal areas such as roadsides, the project sites is developed with no natural plant communities and there are no recorded occurrences within 5 miles of the project sites (CNDDDB 2021a), thus the species is not expected to occur the within project sites.
<i>Hesperavax sparsiflora</i> var. <i>brevifolia</i> short-leaved evax	None/None G4T3/S2 1B.2	Coastal bluff scrub (sandy), Coastal dunes, Coastal prairie. 0 - 215 m. annual herb. Blooms Mar-Jun	Not Expected	No suitable coastal habitat or sandy soils are present. The species is not expected to occur within the project sites.



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<i>Hesperolinon congestum</i> Marin western flax	FT/ST G1/S1 1B.1	Chaparral, Valley and foothill grassland. serpentinite. 5 - 370 m. annual herb. Blooms Apr-Jul	Not Expected	No suitable habitat (i.e., chaparral, valley and foothill grassland) or soils are present. The species is not expected to occur within the project sites.
<i>Heteranthera dubia</i> water star-grass	None/None G5/S2 2B.2	Marshes and swamps (alkaline, still or slow-moving water). Requires a pH of 7 or higher, usually in slightly eutrophic waters. 30 - 1495 m. perennial herb (aquatic). Blooms Jul-Oct	Not Expected	No suitable marsh habitat or waters are present. The species is not expected to occur within the project sites.
<i>Hoita strobilina</i> Loma Prieta hoita	None/None G2?/S2? 1B.1	Chaparral, Cismontane woodland, Riparian woodland. usually serpentinite, mesic. 30 - 860 m. perennial herb. Blooms May-Jul(Aug-Oct)	Not Expected	No suitable habitat (i.e., chaparral, cismontane woodland, riparian woodland) or soils are present. The species is not expected to occur within the project sites..
<i>Holocarpha macradenia</i> Santa Cruz tarplant	FT/SE G1/S1 1B.1	Coastal prairie, Coastal scrub, Valley and foothill grassland. often clay, sandy. 10 - 220 m. annual herb. Blooms Jun-Oct	Not Expected	No suitable coastal habitat or soils are present. The species is not expected to occur within the project sites.
<i>Horkelia cuneata</i> var. <i>sericea</i> Kellogg's horkelia	None/None G4T1?/S1? 1B.1	Closed-cone coniferous forest, Chaparral (maritime), Coastal dunes, Coastal scrub. sandy or gravelly, openings. 10 - 200 m. perennial herb. Blooms Apr-Sep	Not Expected	No suitable coastal dunes habitat or soils are present. The species is not expected to occur within the project sites.
<i>Horkelia marinensis</i> Point Reyes horkelia	None/None G2/S2 1B.2	Coastal dunes, Coastal prairie, Coastal scrub. sandy. 5 - 755 m. perennial herb. Blooms May-Sep	Not Expected	No suitable coastal habitat or sandy soils are present. The species is not expected to occur within the project sites.
<i>Hypogymnia schizidiata</i> island rock lichen	None/None G2/S1 1B.3	Closed-cone coniferous forest, Chaparral. On bark and wood of hardwoods and conifers. 360 - 405 m. foliose lichen (null). Blooms	Not Expected	No suitable habitat (i.e., chaparral and closed-cone coniferous forest) is present. The species is not expected to occur within the project sites.



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<i>Isocoma arguta</i> Carquinez goldenbush	None/None G1/S1 1B.1	Valley and foothill grassland (alkaline). 1 - 20 m. perennial shrub. Blooms Aug-Dec	Not Expected	No suitable valley and foothill grassland habitat or soils are present. The species is not expected to occur within the project sites.
<i>Lasthenia conjugens</i> Contra Costa goldfields	FE/None G1/S1 1B.1	Cismontane woodland, Playas (alkaline), Valley and foothill grassland, Vernal pools. mesic. 0 - 470 m. annual herb. Blooms Mar- Jun	Not Expected	No suitable vernal pool habitat or soils are present. The species is not expected to occur within the project sites.
<i>Lathyrus jepsonii</i> var. <i>jepsonii</i> Delta tule pea	None/None G5T2/S2 1B.2	Marshes and swamps (freshwater and brackish). 0 - 5 m. perennial herb. Blooms May-Jul(Aug-Sep)	Not Expected	No suitable marsh habitat is present. The species is not expected to occur within the project sites.
<i>Layia carnosa</i> beach layia	FE/SE G2/S2 1B.1	Coastal dunes, Coastal scrub (sandy). 0 - 60 m. annual herb. Blooms Mar- Jul	Not Expected	No suitable coastal habitat or soils are present. The species is not expected to occur within the project sites.
<i>Leptosiphon rosaceus</i> rose leptosiphon	None/None G1/S1 1B.1	Coastal bluff scrub. 0 - 100 m. annual herb. Blooms Apr-Jul	Not Expected	No suitable coastal bluff scrub habitat is present. The species is not expected to occur within the project sites.
<i>Lessingia germanorum</i> San Francisco lessingia	FE/SE G1/S1 1B.1	Coastal scrub (remnant dunes). 25 - 110 m. annual herb. Blooms (Jun)Jul-Nov	Not Expected	No suitable coastal scrub habitat or sandy soils are present. The species is not expected to occur within the project sites.
<i>Lilaeopsis masonii</i> Mason's lilaeopsis	None/SR G2/S2 1B.1	Marshes and swamps (brackish or freshwater), Riparian scrub. 0 - 10 m. perennial rhizomatous herb. Blooms Apr-Nov	Not Expected	No suitable habitat (i.e., chaparral and cismontane woodland) is present. The species is not expected to occur within the project sites.
<i>Malacothamnus arcuatus</i> arcuate bush- mallow	None/None G2Q/S2 1B.2	Chaparral, Cismontane woodland. 15 - 355 m. perennial evergreen shrub. Blooms Apr-Sep	Not Expected	No suitable coastal habitat or soils are present. The species is not expected to occur within the project sites.
<i>Meconella oregana</i> Oregon meconella	None/None G2G3/S2 1B.1	Coastal prairie, Coastal scrub. 250 - 620 m. annual herb. Blooms Mar-Apr	Not Expected	No suitable habitat (i.e., closed-cone coniferous forest, cismontane woodland, coastal scrub, valley and foothill grassland) or elevations are present. The species is not expected to occur within the project sites.



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<i>Microseris paludosa</i> marsh microseris	None/None G2/S2 1B.2	Closed-cone coniferous forest, Cismontane woodland, Coastal scrub, Valley and foothill grassland. 5 - 355 m. perennial herb. Blooms Apr-Jun(Jul)	Not Expected	No suitable coastal habitat or is present. The species is not expected to occur within the project sites.
<i>Monardella sinuata</i> <i>ssp. nigrescens</i> northern curly-leaved monardella	None/None G3T2/S2 1B.2	Chaparral (SCR Co.), Coastal dunes, Coastal scrub, Lower montane coniferous forest (SCR Co., ponderosa pine sandhills). Sandy. 0 - 300 m. annual herb. Blooms (Apr)May-Jul(Aug-Sep)	Not Expected	No suitable habitat or sandy soils are present. The species is not expected to occur within the project sites.
<i>Monolopia gracilens</i> woodland woollythreads	None/None G3/S3 1B.2	Broadleaved upland forest (openings), Chaparral (openings), Cismontane woodland, North Coast coniferous forest (openings), Valley and foothill grassland. Serpentine. 100 - 1200 m. annual herb. Blooms (Feb)Mar-Jul	Not Expected	No suitable habitat (i.e., chaparral, valley and foothill grassland, cismontane woodland, broadleaved upland forest, north coast coniferous forest), elevations or soils are present. The species is not expected to occur within the project sites.
<i>Pentachaeta bellidiflora</i> white-rayed pentachaeta	FE/SE G1/S1 1B.1	Cismontane woodland, Valley and foothill grassland (often serpentinite). 35 - 620 m. annual herb. Blooms Mar-May	Not Expected	No suitable habitat (i.e., valley and foothill grassland, cismontane woodland) or soils are present. The species is not expected to occur within the project sites.
<i>Plagiobothrys chorisianus</i> var. <i>chorisianus</i> Choris' popcornflower	None/None G3T1Q/S1 1B.2	Chaparral, Coastal prairie, Coastal scrub. mesic. 3 - 160 m. annual herb. Blooms Mar-Jun	Not Expected	No suitable chaparral or coastal habitat is present. The species is not expected to occur within the project sites.
<i>Plagiobothrys diffusus</i> San Francisco popcornflower	None/SE G1Q/S1 1B.1	Coastal prairie, Valley and foothill grassland. 60 - 360 m. annual herb. Blooms Mar-Jun	Not Expected	No suitable coastal marine habitat or native grasslands are present. The species is not expected to occur within the project sites.
<i>Plagiobothrys glaber</i> hairless popcornflower	None/None GH/SH 1A	Meadows and seeps (alkaline), Marshes and swamps (coastal salt). 15 - 180 m. annual herb. Blooms Mar-May	Not Expected	No suitable habitat (i.e., meadows and seeps, coastal salt marshes and swamps) is present. The species is not expected to occur within the project sites.



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<i>Polemonium carneum</i> Oregon polemonium	None/None G3G4/S2 2B.2	Coastal prairie, Coastal scrub, Lower montane coniferous forest. 0 - 1830 m. perennial herb. Blooms Apr-Sep	Not Expected	No suitable coastal habitat or coniferous forests are present. The species is not expected to occur within the project sites.
<i>Sanicula maritima</i> adobe sanicle	None/SR G2/S2 1B.1	Chaparral, Coastal prairie, Meadows and seeps, Valley and foothill grassland. clay, serpentinite. 30 - 240 m. perennial herb. Blooms Feb-May	Not Expected	No suitable habitat (i.e., meadows and seeps, valley and foothill grassland, chaparral, coastal prairie) or soils are present. The species is not expected to occur within the project sites.
<i>Senecio aphanactis</i> chaparral ragwort	None/None G3/S2 2B.2	Chaparral, Cismontane woodland, Coastal scrub. sometimes alkaline. 15 - 800 m. annual herb. Blooms Jan-Apr(May)	Not Expected	No suitable habitat (i.e., chaparral, cismontane woodland, coastal scrub) or soils are present. The species is not expected to occur within the project sites.
<i>Silene scouleri</i> ssp. <i>scouleri</i> Scouler's catchfly	None/None G5T4T5/S2S3 2B.2	Coastal bluff scrub, Coastal prairie, Valley and foothill grassland. 0 - 600 m. perennial herb. Blooms (Mar-May)Jun-Aug(Sep)	Not Expected	No suitable coastal habitat or soils are present. The species is not expected to occur within the project sites.
<i>Silene verecunda</i> ssp. <i>verecunda</i> San Francisco campion	None/None G5T1/S1 1B.2	Coastal bluff scrub, Chaparral, Coastal prairie, Coastal scrub, Valley and foothill grassland. sandy. 30 - 645 m. perennial herb. Blooms July	Not Expected	No suitable coastal habitat or soils are present. The species is not expected to occur within the project sites.
<i>Spergularia macrotheca</i> var. <i>longistyla</i> long-styled sand-spurrey	None/None G5T2/S2 1B.2	Meadows and seeps, Marshes and swamps. Alkaline. 0 - 255 m. perennial herb. Blooms Feb-May(Jun)	Not Expected	No suitable marsh habitat or alkaline soils are present. The species is not expected to occur within the project sites.
<i>Stebbinsoseris decipiens</i> Santa Cruz microseris	None/None G2/S2 1B.2	Broadleafed upland forest, Closed-cone coniferous forest, Chaparral, Coastal prairie, Coastal scrub, Valley and foothill grassland. open areas, sometimes serpentinite. 10 - 500 m. annual herb. Blooms Apr-May	Not Expected	No suitable habitat (i.e., broadleafed upland forest, closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, valley and foothill grassland) or soils are present. The species is not expected to occur within the project sites.



Scientific Name Common Name	Status Fed/State ESA CRPR	Habitat Requirements	Potential to Occur	Rationale
<i>Streptanthus albidus</i> ssp. <i>peramoenus</i> most beautiful jewelflower	None/None G2T2/S2 1B.2	Chaparral, Cismontane woodland, Valley and foothill grassland. serpentinite. 95 - 1000 m. annual herb. Blooms (Mar)Apr-Sep(Oct)	Not Expected	No suitable habitat (i.e., chaparral, valley and foothill grassland, cismontane woodland) or soils are present. The species is not expected to occur within the project sites.
<i>Streptanthus glandulosus</i> ssp. <i>niger</i> Tiburon jewelflower	FE/SE G4T1/S1 1B.1	Valley and foothill grassland (serpentinite). 30 - 150 m. annual herb. Blooms May-Jun	Not Expected	No suitable valley and foothill grassland habitat or soils are present. The species is not expected to occur within the project sites.
<i>Stuckenia filiformis</i> ssp. <i>alpina</i> slender-leaved pondweed	None/None G5T5/S2S3 2B.2	Marshes and swamps (assorted shallow freshwater). 300 - 2150 m. perennial rhizomatous herb (aquatic). Blooms May-Jul	Not Expected	No suitable marsh habitat or elevations are present. The species is not expected to occur within the project sites.
<i>Suaeda californica</i> California seablite	FE/None G1/S1 1B.1	Marshes and swamps (coastal salt). 0 - 15 m. perennial evergreen shrub. Blooms Jul-Oct	Not Expected	No suitable coastal salt marsh habitat is present. The species is not expected to occur within the project sites.
<i>Symphotrichum lentum</i> Suisun Marsh aster	None/None G2/S2 1B.2	Marshes and swamps (brackish and freshwater). 0 - 3 m. perennial rhizomatous herb. Blooms (Apr)May-Nov	Not Expected	No suitable marsh habitat or swamps are present. The species is not expected to occur within project sites.
<i>Trifolium amoenum</i> two-fork clover	FE/None G1/S1 1B.1	Coastal bluff scrub, Valley and foothill grassland (sometimes serpentinite). 5 - 415 m. annual herb. Blooms Apr-Jun	Not Expected	No suitable habitat (i.e., valley and foothill grassland, coastal bluff scrub) or soils are present. The species is not expected to occur within the project sites.
<i>Trifolium hydrophilum</i> saline clover	None/None G2/S2 1B.2	Marshes and swamps, Valley and foothill grassland (mesic, alkaline), Vernal pools. 0 - 300 m. annual herb. Blooms Apr-Jun	Not Expected	No suitable habitat (marsh, valley and foothill grassland, vernal pools) is present. The species is not expected to occur within the project sites.
<i>Triphysaria floribunda</i> San Francisco owl's-clover	None/None G2?/S2? 1B.2	Coastal prairie, Coastal scrub, Valley and foothill grassland. usually serpentinite. 10 - 160 m. annual herb. Blooms Apr-Jun	Not Expected	No suitable coastal habitat or soils are present. The species is not expected to occur within the project sites.



Scientific Name Common Name	Status Fed/State ESA CRPR	Habitat Requirements	Potential to Occur	Rationale
<i>Triquetrella californica</i> coastal triquetrella	None/None G2/S2 1B.2	Coastal bluff scrub, Coastal scrub. 10 - 100 m. moss.	Not Expected	No suitable coastal habitat or soils are present. The species is not expected to occur within the project sites.
<i>Viburnum ellipticum</i> oval-leaved viburnum	None/None G4G5/S3? 2B.3	Chaparral, Cismontane woodland, Lower montane coniferous forest. 215 - 1400 m. perennial deciduous shrub. Blooms May-Jun	Not Expected	No suitable habitat (i.e., chaparral, cismontane woodland, lower montane coniferous forest) or elevations are present. The species is not expected to occur within the project sites.

Regional Vicinity refers to within a 9-quad search radius of site.

FE = Federally Endangered FT = Federally Threatened FC = Federal Candidate Species
 SE = State Endangered ST = State Threatened SC = State Candidate SR = State Rare

CRPR (CNPS California Rare Plant Rank):

- 1A=Presumed Extinct in California
- 1B=Rare, Threatened, or Endangered in California and elsewhere
- 2A=Plants presumed extirpated in California, but more common elsewhere
- 2B=Plants Rare, Threatened, or Endangered in California, but more common elsewhere

CRPR Threat Code Extension:

- .1=Seriously endangered in California (over 80% of occurrences threatened / high degree and immediacy of threat)
- .2=Fairly endangered in California (20-80% occurrences threatened)
- .3=Not very endangered in California (<20% of occurrences threatened)



Table J-2 Special Status Animal Species in the Regional Vicinity (Twelve Quad) of the Study Area

Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements	Potential to Occur	Rationale
Invertebrates				
<i>Bombus crotchii</i> Crotch bumble bee	None/SCE G3G4/S1S2	Coastal California east to the Sierra-Cascade crest and south into Mexico. Food plant genera include <i>Antirrhinum</i> , <i>Phacelia</i> , <i>Clarkia</i> , <i>Dendromecon</i> , <i>Eschscholzia</i> , and <i>Eriogonum</i> .	Low Potential	Suitable host plants are available, however presence in the site is unlikely due to disturbance. One occurrence from 2015 has been recorded within 5 miles (CDFW 2021a).
<i>Bombus occidentalis</i> western bumble bee	None/SCE G2G3/S1	Once common & widespread, species has declined precipitously from central CA to southern B.C., perhaps from disease.	Low Potential	Suitable host plants are available, however presence in the site is unlikely due to disturbance. Four historic occurrences are recorded within 5 miles (CDFW 2021a).
<i>Callophrys mossii bayensis</i> San Bruno elfin butterfly	FE/None G4T1/S3	Coastal, mountainous areas with grassy ground cover, mainly in the vicinity of San Bruno Mountain, San Mateo County. Colonies are located on steep, north-facing slopes within the fog belt. Larval host plant is <i>Sedum spathulifolium</i> .	Not Expected	No suitable habitat present within the project sites and is outside of species range. Species not expected to be present in a fully developed urban area.
<i>Danaus plexippus pop. 1</i> monarch - California overwintering population	None/None G4T2T3/S2S3	Winter roost sites extend along the coast from northern Mendocino to Baja California, Mexico. Roosts located in wind-protected tree groves (eucalyptus, Monterey pine, cypress), with nectar and water sources nearby.	Not Expected	Landscaped trees are present; however, groves of trees are absent and due to the dense urban and developed nature of the project sites it is unlikely that this species will roost in the project sites. Four occurrences have been recorded within 5 miles in dense groves of trees (CDFW 2021a).
<i>Euphydryas editha bayensis</i> Bay checkerspot butterfly	FT/None G5T1/S1	Restricted to native grasslands on outcrops of serpentine soil in the vicinity of San Francisco Bay. <i>Plantago erecta</i> is the primary host plant; <i>Orthocarpus densiflorus</i> & <i>O. purpurascens</i> are the secondary host plants.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Plebejus icarioides missionensis</i> Mission blue butterfly	FE/None G5T1/S1	Inhabits grasslands of the San Francisco peninsula. Three larval host plants: <i>Lupinus albifrons</i> , <i>L. variicolor</i> , and <i>L. formosus</i> , of which <i>L. albifrons</i> is favored.	Not Expected	No suitable habitat present within the project sites, which are outside of the species range.



Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements	Potential to Occur	Rationale
<i>Speyeria callippe</i> <i>callippe</i> callippe silverspot butterfly	FE/None G5T1/S1	Restricted to the northern coastal scrub of the San Francisco peninsula. Hostplant is <i>Viola pedunculata</i> . Most adults found on E-facing slopes; males congregate on hilltops in search of females.	Not Expected	No suitable habitat present within the project sites, which is outside of the species range.
Fish				
<i>Archoplites interruptus</i> Sacramento perch	None/None G2G3/S1 SSC	Historically found in the sloughs, slow-moving rivers, and lakes of the Central Valley. Prefers warm water. Aquatic vegetation is essential for young. Tolerates wide range of physio-chemical water conditions.	Not Expected	Suitable aquatic habitats are not present.
<i>Eucyclogobius newberryi</i> tidewater goby	FE/None G3/S3	Brackish water habitats along the California coast from Agua Hedionda Lagoon, San Diego County 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 Expected	Suitable aquatic habitats are not present.
<i>Hypomesus transpacificus</i> Delta smelt	FT/SE G1/S1	Sacramento-San Joaquin Delta. Seasonally in Suisun Bay, Carquinez Strait & San Pablo Bay. Seldom found at salinities > 10 ppt. Most often at salinities < 2ppt.	Not Expected	Suitable aquatic habitats are not present.
<i>Mylopharodon conocephalus</i> hardhead	None/None G3/S3 SSC	Low to mid-elevation streams in the Sacramento-San Joaquin drainage. Also present in the Russian River. Clear, deep pools with sand-gravel-boulder bottoms and slow water velocity. Not found where exotic centrarchids predominate.	Not Expected	Suitable aquatic habitats are not present.
<i>Pogonichthys macrolepidotus</i> Sacramento splittail	None/None GNR/S3 SSC	Endemic to the lakes and rivers of the Central Valley, but now confined to the Delta, Suisun Bay and associated marshes. Slow moving river sections, dead end sloughs. Requires flooded vegetation for spawning and foraging for young.	Not Expected	Suitable aquatic habitats are not present.
<i>Spirinchus thaleichthys</i> longfin smelt	FC/ST G5/S1	Euryhaline, nektonic & anadromous. Found in open waters of estuaries, mostly in middle or bottom of water column. Prefer salinities of 15-30 ppt, but can be found in completely freshwater to almost pure seawater.	Not Expected	Suitable aquatic habitats are not present.



Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements	Potential to Occur	Rationale
Amphibians				
<i>Ambystoma californiense</i> California tiger salamander	FT/ST G2G3/S2S3 WL	Central Valley DPS federally listed as threatened. Santa Barbara and Sonoma counties DPS federally listed as endangered. Need underground refuges, especially ground squirrel burrows, and vernal pools or other seasonal water sources for breeding.	Not Expected	No suitable habitat near vernal pools or seasonal water sources present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Dicamptodon ensatus</i> California giant salamander	None/None G3/S2S3 SSC	Known from wet coastal forests near streams and seeps from Mendocino County south to Monterey County, and east to Napa County. Aquatic larvae found in cold, clear streams, occasionally in lakes and ponds. Adults known from wet forests under rocks and logs near streams and lakes.	Not Expected	No suitable habitat (i.e., wet coastal forests) present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Rana boylei</i> foothill yellow-legged frog	None/SE G3/S3 SSC	Partly-shaded, 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 Expected	No suitable stream habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Rana draytonii</i> California red-legged frog	FT/None G2G3/S2S3 SSC	Lowlands and foothills in or near permanent sources of deep water with dense, shrubby or emergent riparian vegetation. Requires 11-20 weeks of permanent water for larval development. Must have access to estivation habitat.	Not Expected	No suitable habitat near permanent sources of water present within the project sites. Species not expected to be present in a fully developed urban area.
Reptiles				
<i>Chelonia mydas</i> green turtle	FT/None G3/S1	Marine. Completely herbivorous; needs adequate supply of seagrasses and algae.	Not Expected	No suitable aquatic habitat within the project sites.
<i>Emys marmorata</i> western pond turtle	None/None G3G4/S3 SSC	A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation. Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying.	Not Expected	No suitable aquatic habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Masticophis lateralis euryxanthus</i> Alameda whipsnake	FT/ST G4T2/S2	Typically found in chaparral and scrub habitats but will also use adjacent grassland, oak savanna and woodland habitats. Mostly south-facing slopes and ravines, with rock outcrops, deep crevices or abundant rodent burrows, where shrubs form a vegetative mosaic with oak trees and grasses.	Not Expected	No suitable chaparral or scrub habitats present within the project sites. Species not expected to be present in a fully developed urban area.



Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements	Potential to Occur	Rationale
<i>Thamnophis sirtalis tetrataenia</i> San Francisco gartersnake	FE/SE G5T2Q/S2 FP	Vicinity of freshwater marshes, ponds and slow-moving streams in San Mateo County and extreme northern Santa Cruz County. Prefers dense cover and water depths of at least one foot. Upland areas near water are also very important.	Not Expected	No suitable aquatic habitat present within the project sites and it is outside of species' range. Species not expected to be present in a fully developed urban area.
Birds				
<i>Accipiter cooperii</i> Cooper's hawk	None/None G5/S4 WL	Woodland, chiefly of open, interrupted or marginal type. Nest sites mainly in riparian growths of deciduous trees, as in canyon bottoms on river flood-plains; also, live oaks.	Low Potential	This species may forage within the project area and has a low potential to nest in trees within the site.
<i>Agelaius tricolor</i> tricolored blackbird	None/ST G2G3/S1S2 SSC	Highly colonial species, most numerous in Central Valley & vicinity. Largely endemic to California. Requires open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony.	Not Expected	Open water and suitable nesting habitat are not present.
<i>Aquila chrysaetos</i> golden eagle	None/None G5/S3 FP WL	Rolling foothills, mountain areas, sage-juniper flats, and desert. Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas.	Not Expected	Suitable nesting habitat is not present, and the site is too small to provide foraging habitat.
<i>Asio flammeus</i> short-eared owl	None/None G5/S3 SSC	Found in swamp lands, both fresh and salt; lowland meadows; irrigated alfalfa fields. Tule patches/tall grass needed for nesting/daytime seclusion. Nests on dry ground in depression concealed in vegetation.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Athene cucularia</i> burrowing owl	None/None G4/S3 SSC	Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Branta hutchinsii leucopareia</i> cackling (=Aleutian Canada) goose	FD/None G5T3/S3 WL	Winters on lakes and inland prairies. Forages on natural pasture or that cultivated to grain; loafs on lakes, reservoirs, ponds.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Circus hudsonius</i> northern harrier	None/None G5/S3 SSC	Coastal salt & freshwater marsh. Nest and forage in grasslands, from salt grass in desert sink to mountain cienagas. Nests on ground in shrubby vegetation, usually at marsh edge; nest built of a large mound of sticks in wet areas.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.



Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements	Potential to Occur	Rationale
<i>Coturnicops noveboracensis</i> yellow rail	None/None G4/S1S2 SSC	Summer resident in eastern Sierra Nevada in Mono County. Freshwater marshlands.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Elanus leucurus</i> white-tailed kite	None/None G5/S3S4 FP	Rolling foothills and valley margins with scattered oaks & river bottomlands or marshes next to deciduous woodland. Open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Falco peregrinus anatum</i> American peregrine falcon	FD/SD G4T4/S3S4 FP	Near wetlands, lakes, rivers, or other water; on cliffs, banks, dunes, mounds; also, human-made structures. Nest consists of a scrape or a depression or ledge in an open site.	Low Potential	Species may forage nearby, but suitable nesting habitat is not available because all human made structures in the vicinity are not at the height preferred by this species.
<i>Geothlypis trichas sinuosa</i> saltmarsh common yellowthroat	None/None G5T3/S3 SSC	Resident of the San Francisco Bay region, in fresh and salt water marshes. Requires thick, continuous cover down to water surface for foraging; tall grasses, tule patches, willows for nesting.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Haliaeetus leucocephalus</i> bald eagle	FD/SE G5/S3 FP	Ocean shore, lake margins, and rivers for both nesting and wintering. Most nests within 1 mile of water. Nests in large, old-growth, or dominant live tree with open branches, especially ponderosa pine. Roosts communally in winter.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Laterallus jamaicensis coturniculus</i> California black rail	None/ST G3G4T1/S1 FP	Inhabits freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays. Needs water depths of about 1 inch that do not fluctuate during the year and dense vegetation for nesting habitat.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Melospiza melodia maxillaris</i> Suisun song sparrow	None/None G5T3/S3 SSC	Resident of brackish-water marshes surrounding Suisun Bay. Inhabits cattails, tules and other sedges, and Salicornia; also known to frequent tangles bordering sloughs.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area..



Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements	Potential to Occur	Rationale
<i>Melospiza melodia pusillula</i> Alameda song sparrow	None/None G5T2?/S2S3 SSC	Resident of salt marshes bordering south arm of San Francisco Bay. Inhabits Salicornia marshes; nests low in Grindelia bushes (high enough to escape high tides) and in Salicornia.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Melospiza melodia samuelis</i> San Pablo song sparrow	None/None G5T2/S2 SSC	Resident of salt marshes along the north side of San Francisco and San Pablo bays. Inhabits tidal sloughs in the Salicornia marshes; nests in Grindelia bordering slough channels.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Pandion haliaetus</i> osprey	None/None G5/S4 WL	Ocean shore, bays, freshwater lakes, and larger streams. Large nests built in tree-tops within 15 miles of a good fish-producing body of water.	Not Expected	While the project sites is within 15 miles of open water, there are no recorded occurrences within 5 miles (CNDDB 2021a). Species not expected to be present in a fully developed and disturbed urban area.
<i>Phalacrocorax auritus</i> double-crested cormorant	None/None G5/S4 WL	Colonial nester on coastal cliffs, offshore islands, and along lake margins in the interior of the state. Nests along coast on sequestered islets, usually on ground with sloping surface, or in tall trees along lake margins.	Not Expected	Suitable aquatic habitats are not present within the project sites.
<i>Rallus obsoletus obsoletus</i> California Ridgway's rail	FE/SE G5T1/S1 FP	Salt water and brackish marshes traversed by tidal sloughs in the vicinity of San Francisco Bay. Associated with abundant growths of pickleweed, but feeds away from cover on invertebrates from mud-bottomed sloughs.	Not Expected	Suitable aquatic habitats are not present within the project sites.
<i>Rynchops niger</i> black skimmer	None/None G5/S2 SSC	Nests on gravel bars, low islets, and sandy beaches, in unvegetated sites. Nesting colonies usually less than 200 pairs.	Not Expected	Suitable aquatic habitats are not present within the project sites.
<i>Sternula antillarum browni</i> California least tern	FE/SE G4T2T3Q/S2 FP	Nests along the coast from San Francisco Bay south to northern Baja California. Colonial breeder on bare or sparsely vegetated, flat substrates: sand beaches, alkali flats, land fills, or paved areas.	Not Expected	Suitable aquatic habitats are not present within appropriate proximity of the project sites.
<i>Xanthocephalus xanthocephalus</i> yellow-headed blackbird	None/None G5/S3 SSC	Nests in freshwater emergent wetlands with dense vegetation and deep water. Often along borders of lakes or ponds. Nests only where large insects such as Odonata are abundant, nesting timed with maximum emergence of aquatic insects.	Not Expected	Suitable habitats are not present within the project sites.
Mammals				



Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements	Potential to Occur	Rationale
<i>Antrozous pallidus</i> pallid bat	None/None G5/S3 SSC	Found in a variety of habitats including deserts, grasslands, shrublands, woodlands, and forests. Most common in open, dry habitats with rocky areas for roosting. Roosts in crevices of rock outcrops, caves, mine tunnels, buildings, bridges, and hollows of live and dead trees which must protect bats from high temperatures. Very sensitive to disturbance of roosting sites.	Low Potential	Suitable roosting habitat for the species may be present within the project sites, although the species is sensitive to disturbance. Five historical occurrences are recorded within 5 miles of the project sites (CDFW 2021a).
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	None/None G3G4/S2 SSC	Occurs throughout California in a wide variety of habitats. Most common in mesic sites, typically coniferous or deciduous forests. Roosts in the open, hanging from walls & ceilings in caves, lava tubes, bridges, and buildings. This species is extremely sensitive to human disturbance.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Enhydra lutris nereis</i> southern sea otter	FT/None G4T2/S2 FP	Occurs in nearshore marine environments from Ano Nuevo in San Mateo County to Point Sal in Santa Barbara County. Requires canopies of giant kelp or bull kelp for rafting and feeding. Prefers rocky substrates with abundant invertebrates to prey on.	Not Expected	Suitable aquatic habitats are not present.
<i>Eumetopias jubatus</i> Steller (=northern) sea-lion	FD/None G3/S2	Breeds on Ano Nuevo, San Miguel and Farallon islands, Point St. George, & Sugarloaf. Hauls-out on islands & rocks. Needs haul-out and breeding sites with unrestricted access to water, near aquatic food supply and with no human disturbance.	Not Expected	Suitable aquatic habitats are not present.
<i>Lasiurus blossevillii</i> western red bat	None/None G5/S3 SSC	Roosts in trees in forests and woodlands of varying elevations. Forages in grasslands, shrublands, open woodlands and forests, and agriculture. Typically found in riparian habitats, does not occur in deserts.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Microtus californicus sanpabloensis</i> San Pablo vole	None/None G5T1T2/S1S2 SSC	Saltmarshes of San Pablo Creek, on the south shore of San Pablo Bay. Constructs burrow in soft soil. Feeds on grasses, sedges and herbs. Forms a network of runways leading from the burrow.	Not Expected	No suitable salt marsh habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Neotoma fuscipes annectens</i> San Francisco dusky-footed woodrat	None/None G5T2T3/S2S3 SSC	Typically found in forest habitats with moderate to dense understory. Can occur in chaparral, riparian woodlands, and coniferous forests, particularly redwood. Builds middens out of grasses, leaves, and woody debris. This subspecies is found only in the San Francisco Bay region.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.



Scientific Name Common Name	Status Fed/State ESA CDFW	Habitat Requirements	Potential to Occur	Rationale
<i>Nyctinomops macrotis</i> big free-tailed bat	None/None G5/S3 SSC	Low-lying arid areas in Southern California. Need high cliffs or rocky outcrops for roosting sites. Feeds principally on large moths.	Low Potential	Suitable roosting habitat for the species may be present within the project sites in the form of man-made structures. One historic occurrence is recorded within 5 miles of the project sites.
<i>Reithrodontomys raviventris</i> salt-marsh harvest mouse	FE/SE G1G2/S1S2 FP	Only in the saline emergent wetlands of San Francisco Bay and its tributaries. Pickleweed is primary habitat, but may occur in other marsh vegetation types and in adjacent upland areas. Does not burrow; builds loosely organized nests. Requires higher areas for flood escape.	Not Expected	No suitable saline emergent wetland or marsh habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Scapanus latimanus parvus</i> Alameda Island mole	None/None G5THQ/SH SSC	Only known from Alameda Island. Found in a variety of habitats, especially annual and perennial grasslands. Prefers moist, friable soils. Avoids flooded soils.	Not Expected	The project sites does not overlap with the species' range.
<i>Sorex ornatus sinuosus</i> Suisun shrew	None/None G5T1T2Q/S1S2 SSC	Tidal marshes of the northern shores of San Pablo and Suisun bays. Require dense low-lying cover and driftwood and other litter above the mean high tide line for nesting and foraging.	Not Expected	No suitable marsh habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Sorex vagrans halicoetes</i> salt-marsh wandering shrew	None/None G5T1/S1 SSC	Salt marshes of the south arm of San Francisco Bay. Medium high marsh 6-8 ft above sea level where abundant driftwood is scattered among Salicornia.	Not Expected	No suitable salt marsh habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Taxidea taxus</i> American badger	None/None G5/S3 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. Digs burrows.	Not Expected	No suitable habitat present within the project sites. Species not expected to be present in a fully developed urban area.
<i>Zapus trinotatus orarius</i> Point Reyes jumping mouse	None/None G5T1T3Q/S1S3 SSC	Primarily in bunch grass marshes on the uplands of Point Reyes. Also present in coastal scrub, grassland, and meadows. Eats mainly grass seeds w/ some insects & fruit taken. Builds grassy nests on ground under vegetation, burrows in winter.	Not Expected	No suitable bunch grass marsh habitat present within the project sites. Species not expected to be present in a fully developed urban area.

Regional Vicinity refers to within a 9-quad search radius of site.

FE = Federally Endangered FT = Federally Threatened FC = Federal Candidate Species FS = Federally Sensitive
 SE = State Endangered ST = State Threatened SC = State Candidate SS = State Sensitive
 SSC = CDFW Species of Special Concern SFP = State Fully Protected