

**Appendix D**  
**Species that have Potential to Occur within the Project Area**

Scientific Name <sup>1</sup>	Common Name	Status <sup>2</sup>	Blooming Period	Habitat	Potential to Occur in Study Area (High, Moderate, Low)
<b>Plants</b>					
<i>Abronia villosa var aurita</i>	Chaparral Sand-Verbena	1B.1	Jan-Sept	Chaparral, coastal scrub, desert dunes/sandy	<b>Present within study area.</b>
<i>Allium munzii</i>	Munz's Onion	1B.1 FE ST MSHP Narrow Endemic	Mar-May	Chaparral, cismontane, woodland coastal scrub, pinyon/iuniper woodland, valley and foothill grassland/mesic, clay	High. Suitable habitat exists within clay lenses and vernal pool habitats.
<i>Ambrosia pumila</i>	San Diego Ambrosia	1B.1 FE MSHP Narrow Endemic	May-Sept	Chaparral, coastal scrub, valley and foothill grassland, vernal pools/often in disturbed areas	<b>Present within study area.</b>
<i>Arctostaphylos rainbowensis</i>	Rainbow Manzanita	1B.1 MSHCP Covered Species	Jan-Feb	Chaparral	Low. No habitat present.
<i>Astragalus pachypus var. jaegeri</i>	Jaeger's Milk-Vetch	1B.1 MSHCP Covered Species	Dec-Apr	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland/sandy or rocky	Moderate. Suitable habitat exists.
<i>Atriplex coronata var notatior</i>	San Jacinto Valley Crownscale	1B.1 FE MSHCP Covered Species	Apr-Aug	Playas, valley and foothill grassland (mesic), vernal pools/alkaline	<b>Present within study area.</b>

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<i>Atriplex coulteri</i>	Coulter's Saltbush	1B.2 MSHCP Criteria Species	Mar-Oct	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland/alkaline or clay	High. Suitable habitat exists within clay lenses, vernal pool habitats and alkaline soils.
<i>Atriplex pacifica</i>	South Coast Saltscale	1B.2 MSHCP Covered Species	Mar-Oct	Coastal bluff scrub, coastal dunes, coastal scrub, playas	Moderate. Suitable habitat exists.
<i>Atriplex parishii</i>	Parish's Brittlescale	1B.1 MSHCP Criteria Species	Jun-Oct	Coastal scrub, playas, vernal pools	Moderate. Suitable habitat exists.
<i>Atriplex serenana</i> var. <i> davidsonii</i>	Davidson's Saltscale	1B.2 MSHCP Criteria Species	Apr-Oct	Coastal bluff scrub, coastal scrub/alkaline	Moderate. Suitable habitat exists.
<i>Brodiaea filifolia</i>	Thread-Leaved Brodiaea	1B.1 FT SE MSHCP Criteria Species	Mar-Jun	Chaparral, cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools/often clay	High. Suitable habitat exists within clay lenses.
<i>Brodiaea orcuttii</i>	Orcutt's Brodiaea	1B.1 MSHCP Covered Species	May-July	Closed cone coniferous forest, chaparral, cismontane woodland, meadows, valley and foothill grassland, vernal pools/mesic, clay, sometimes serpentine	Moderate. Suitable habitat exists.

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<i>Calochortus plummerae</i>	Plummer's Mariposa Lily	1B.2 MSHCP Covered Species	May-July	Chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, valley and foothill grassland/granitic, rocky	Moderate. Suitable habitat exists.
<i>Calochortus weedii</i> var. <i>intermedius</i>	Intermediate Mariposa Lily	1B.2 MSHCP Covered Species	May-July	Chaparral, coastal scrub, valley and foothill grassland/rocky	Moderate. Suitable habitat exists.
<i>Centromadia pungens</i> ssp. <i>laevis</i>	Smooth Tarplant	1B.1 MSHCP Criteria Species	Apr-Sept	Chenopod scrub, meadows, playas, riparian woodland, valley and foothill grassland	<b>Present within study area.</b>
<i>Chorizanthe parryi</i> var. <i>parryi</i>	Parry's Spineflower	1B.1 MSHCP Covered Species	Apr-Jun	Chaparral, coastal scrub/sandy or rocky openings	<b>Present within study area.</b>
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	Long-Spined Spineflower	1B.2 MSHCP Covered Species	April-July	Chaparral, coastal scrub, meadows, valley and foothill grassland/often clay	<b>Present within study area.</b>
<i>Chorizanthe xanti</i> var. <i>leucotheca</i>	White-Bracted Spineflower	1B.2 MSHCP Covered Species	Apr-Jun	Mojavean desert scrub pinyon/juniper woodland	Low. No habitat present.
<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i>	Summer Holly	1B.2 MSHCP Covered Species	Apr-Jun	Chaparral, cismontane woodland	Low. No habitat present.

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<i>Convolvulus simulans</i>	Small-Flowered Morning Glory	4.2 MSHCP Covered Species	Mar-July	Chaparral (openings), coastal scrub, valley and foothill grassland/clay, serpentinite seeps	<b>Present within study area.</b>
<i>Cupressus forbesii</i>	Tecate Cypress	1B.1 MSHCP Covered Species	n/a	Closed cone coniferous forest, chaparral	Low. No habitat present.
<i>Deinandra paniculata</i>	Paniculate tarplant	4.2	Apr-Nov	Coastal scrub, valley and foothill grassland, vernal pools/usually vernal mesic	<b>Present within study area.</b>
<i>Dodecahema leptoceras</i>	Slender-Horned Spineflower	1B.1 FE SE MSHP Narrow Endemic	Apr-Jun	Chaparral, cismontane woodland, coastal scrub/(alluvian fan)/sandy	<b>Present within study area.</b>
<i>Dudleya cymosa</i> ssp. <i>ovatifolia</i>	Santa Monica Mountains Dudleya	1B.2 FT	Mar-Jun	Chaparral, coastal scrub	Low. No habitat present.
<i>Dudleya multicaulis</i>	Many-Stemmed Dudleya	1B.2 MSHP Narrow Endemic	Apr-Jul	Chaparral, coastal scrub, valley and foothill grassland/often clay	Moderate. Suitable habitat exists.
<i>Dudleya viscida</i>	Sticky Dudleya	1B.2 MSHCP Covered Species	May-Jun	Coastal bluff scrub, chaparral, coastal scrub/rocky	Low. No habitat present.
<i>Erodium macrophyllum</i>	Round-Leaved Filaree	2.1 MSHCP Criteria Species	Mar-May	Cismontane woodland, valley and foothill grassland/clay	<b>Present within study area.</b>

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<i>Eryngium aristulatum</i> var. <i>parishii</i>	San Diego Button-Celery	1B.1 FE SE MSHCP Covered Species	Apr-Jun	Coastal scrub, valley and foothill grassland, vernal pools/mesic	Low. No habitat present.
<i>Harpagonella palmeri</i>	Palmer's Grapplinghook	4.2 MSHCP Covered Species	Mar-May	Chaparral, coastal scrub, valley and foothill grassland/clay	High. Suitable habitat exists within clay lenses.
<i>Hordeum intercedens</i>	Vernal Barley	3.2 MSHCP Covered Species	Mar-Jun	Coastal dunes, coastal scrub, valley and foothill grassland, vernal pools	Low. No habitat present.
<i>Horkelia cuneata</i> ssp. <i>puberula</i>	Mesa Horkelia	1B.1	Feb-Sept	Chaparral, cismontane woodland, coastal scrub/sand, gravelly	Moderate. Suitable habitat exists.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's Goldfields	1B.1 MSHCP Criteria Species	Feb-Jun	Marsh and swamp (coastal salt), playas, vernal pools	<b>Present within study area.</b>
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's Pepper-Grass	1B.2 MSHCP Covered Species	Jan-July	Chaparral, coastal scrub	<b>Present within study area.</b>
<i>Lepechinia cardiophylla</i>	Heart-Leaved Pitcher Sage	1B.2 MSHCP Criteria Species	Apr-Jul	Closed cone coniferous forest, chaparral, cismontane woodland	Low. No habitat present.

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<i>Limnanthes gracilis</i> ssp. <i>parishii</i>	Parish's Meadowfoam	1B.2/ST MSHCP Covered Species	Apr-Jun	Lower montane coniferous forest, meadows, vernal pools/mesic	Low. No habitat present.
<i>Microseris douglasii</i> ssp. <i>platycarpha</i>	Small-flowered microseris	4.2/MSHCP Covered Species	Mar-May	Cismontane woodland, Coastal scrub, and foothill grassland, vernal pools /clay	<b>Present within study area.</b>
<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	Felt-Leaved Monardella	1B.2	Jun-Aug	Chaparral, cismontane woodland	Low. No habitat present.
<i>Monardella macrantha</i> ssp. <i>hallii</i>	Hall's Monardella	1B.3 MSHCP Covered Species	Jun-Aug	Broad leafed upland forest, chaparral, cismontane woodland, lower montane coniferous forest, valley and foothill grassland	Low. No habitat present.
<i>Myosurus minimus</i> ssp. <i>apus</i>	Little Mousetail	3.1 MSHCP Criteria Species	Mar-Jun	Valley and foothill grassland, vernal pools(alkaline)	Moderate. Suitable habitat exists.
<i>Navarretia fossalis</i>	Spreading Navarretia	1B.1/FT MSHP Narrow Endemic	Apr-Jun	Chenopod scrub, marsh and swamp.(assorted shallow fresh water), playas, vernal pools	Moderate. Suitable habitat exists.
<i>Navarretia prostrata</i>	Prostrate Navarretia	1B.1 MSHCP Criteria Species	Apr-July	Coastal scrub, meadows, valley and foothill grassland,(alkaline), vernal pools/mesic	Moderate. Mesic alkaline soils present within study area.
<i>Nolina cismontanas</i>	Chaparral Nolina	1B.2	May-July	Chaparral, coastal scrub/sandstone or gabbro	Moderate. Suitable habitat exists.
<i>Orcuttia californica</i>	California Orcutt Grass	1B.1/FE/SE MSHP Narrow Endemic	Apr-Aug	Vernal pools	Moderate. Suitable habitat exists.

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<i>Phacelia suaveolens ssp. keckii</i>	Santiago Peak Phacelia	1B.3 MSHCP Covered Species	May-Jun	Closed cone coniferous forest, chaparral	Low. No habitat present.
<i>Satureja chandleri</i>	San Miguel Savory	1B.2 MSHP Narrow Endemic	Mar-Jul	Chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland/rocky, gabbroic or metavolcanic	Moderate. Suitable habitat exists.
<i>Senecio aphanactis</i>	Rayless Ragwort	2.2	Jan-Apr	Chaparral, cismontane woodland, coastal scrub/alkaline	Moderate. Suitable habitat exists.
<i>Scutellaria bolanderi ssp. austromontana</i>	Southern Skullcap	1B.2 MSHCP Covered Species	Jun-Aug	Chaparral, cismontane woodland, lower montane coniferous forest /mesic	Low. No habitat present.
<i>Sibaropsis hammittii</i>	Hammitt's Clay-Cress	1B.2	Mar-Apr	Chaparral, valley and foothill grassland	Low. No habitat present.
<i>Sidalcea neomexicana</i>	Salt Spring Checkerbloom	2.2 MSHCP Covered Species	Mar-Jun	Chaparral, coastal scrub, lower montane Coniferous forest, mojave desert scrub, playas/alkaline, mesic	Moderate. Suitable habitat exists.
<i>Sphaerocarpos drewei</i>	Bottle Liverwort	1B.1	n/a	Chaparral, coastal scrub/opening, soil	Moderate. Suitable habitat exists.
<i>Symphyotrichum defoliatum</i>	San Bernardino Aster	1B.2	Jul-Nov	Cismontane woodland, coastal scrub, lower montane coniferous forest, meadows, marsh and swamp, valley and foothill grassland (vernally mesic)/near ditches, streams, springs	Moderate. Suitable habitat exists.
<i>Tetracoccus dioicus</i>	Parry's Tetracoccus	1B.2 MSHCP Covered Species	Apr-May	Chaparral, coastal scrub	Low. No habitat present.

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<i>Tortula californica</i>	Californica Screw Moss	1B.2	n/a	Chenopod scrub, valley and foothill grassland/ sandy, soil	Low. No habitat present.
<i>Trichocoronis wrightii</i> var. <i>wrightii</i>	Wright's Trichocoronis	1B.1 MSHP Narrow Endemic	May-Sept	Meadows, marsh and swamp riparian forest, vernal pools/alkaline	Moderate. Suitable habitat exists.

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<b>Wildlife</b>				
<b>Invertebrates</b>				
<i>Euphydryas editha quino</i>	Quino Checkerspot Butterfly	FE, MSHCP Covered Species	Grasslands, sage scrub, chaparral with open areas	Moderate. Has potential to occur within study area.
<i>Streptocephalus woottoni</i>	Riverside Fairy Shrimp	FE, MSHCP Covered Species	Vernal pools or shallow ponded water within grassland, scrub, chaparral	Moderate. Has potential to occur within study area.
<b>Amphibians</b>				
<i>Scaphiopus hammondi</i>	Western Spadefoot Toad	CSC, MSHCP Covered Species	Ephemeral pools, grassland, scrub, chaparral	<b>Present within study area.</b>
<b>Reptiles</b>				
<i>Aspidoscelis (Cnemidophorus) hyperythra beldingi</i>	Orange-throated Whiptail	CSC, MSHCP Covered Species	Open sage scrub, chaparral, sandy wash, woodland	<b>Present within study area.</b>
<i>Aspidoscelis (Cnemidophorus) tigris stejnegeri</i>	Coastal Western Whiptail	CNDDDB: G5T3T4S2S3, MSHCP Covered Species	Dense chaparral and sage scrub, especially around sandy washes and streambeds	<b>Present within study area.</b>
<i>Charina (Lichanura) trivirgata roseofusca</i>	Coastal Rosy Boa	CNDDDB: G4G5S3S4	Dry, rocky brushlands and arid habitats, prefers rock outcrops	<b>Present within study area.</b>
<i>Crotalus ruber ruber</i>	Northern Red Diamond Rattlesnake	CSC, MSHCP Covered Species	Scrub, chaparral	<b>Present within study area.</b>

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<i>Diadophis punctatus modestus</i>	San Bernardino Ringneck Snake	CNDDDB S2?	Most common in open, relatively rocky areas. often in somewhat moist microhabitats near intermittent streams.	Moderate. Has potential to occur within study area.
<i>Phrynosoma coronatum (blainvillei)</i>	Coast (San Diego) Horned Lizard	CSC, MSHCP Covered Species	Coastal sage scrub, chaparral, forests	High. Has potential to occur within study area.
<i>Salvadora hexalepis virgultea</i>	Coast Patch-nosed Snake	CSC	Open habitats, brush	Moderate. Has potential to occur within CSS within study area.
<i>Thamnophis hammondi</i>	Two-striped Garter Snake	CSC	Creeks and ponds, nearby upland habitats	Moderate. Has potential to occur within study area.
<b>Birds</b>				
<i>Accipiter cooperii</i>	Cooper's Hawk	CSC (nesting), MBTA, MSHCP Covered Species	Oak woodland, eucalyptus, mature riparian forest	<b>Present. Seen foraging near study area. No nesting habitat present.</b>
<i>Accipiter striatus</i>	Sharp-shinned Hawk	CSC, MSHCP Covered Species	Grasslands, coastal sage scrub	<b>Present. Seen foraging near study area. No nesting habitat present.</b>
<i>Agelaius tricolor</i>	Tri-colored Blackbird (Nesting Colony)	FBCC, CSC, MBTA, MSHCP Covered Species	Marshes, fields	Foraging: low Nesting: absent

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<i>Aimophila ruficeps canescens</i>	Southern California Rufous-crowned Sparrow	CSC, MBTA, MSHCP Covered Species	Open coastal sage scrub	<b>Present. Seen foraging near study area.</b>
<i>Amphispiza belli belli</i>	Bell's Sage Sparrow	FBCC, CSC, MBTA, MSHCP Covered Species	Coastal sage scrub, chaparral	<b>Present. Seen foraging near study area.</b>
<i>Aquila chrysaetos</i>	Golden Eagle	FBCC, BEPA, CSC, CFP, MBTA, MSHCP Covered Species	Grasslands, trees, cliffs, scrub	<b>Present. Seen foraging near study area.</b>
<i>Asio otus</i>	Long-eared Owl	FBCC, CSC, MBTA	Nesting in old nests in riparian bottomlands grown to tall willows & cottonwoods; also, belts of live oak paralleling stream courses. Requires adjacent open land productive of mice and the presence of old nests of crows, hawks, or magpies for breeding.	Low. Has low potential to forage within study area.

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<i>Athene cunicularia</i>	Burrowing Owl	FSC, FBCC, CSC (Burrow sites) , MBTA, MSHCP Covered Species	Open land, old ground squirrel burrows	Moderate. High weedy growth and discing limits potential, but ground squirrel burrows are present.
<i>Buteo swainsonii</i>	Swainson's hawk	CSC (nesting), MBTA, MSHCP Covered Species (breeding)	Open land, grasslands	<b>Present. Seen foraging near study area.</b>
<i>Carduelis lawrencei</i>	Lawrence's Goldfinch	FBCC, MBTA, CSC	Woodland and scrub habitats	<b>Present within Study Area.</b>
<i>Circus cyaneus</i>	Northern Harrier	CSC (nesting), MBTA, MSHCP Covered Species (breeding)	Grasslands, marshes, open habitats	<b>Present. Seen foraging near study area.</b>

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<i>Coccyzus americanus occidentalis</i>	Western Yellow-billed Cuckoo	CSC (nesting), MBTA, MSHCP Covered Species (may require surveys)	Inhabits extensive deciduous riparian thickets or forests with dense, low-level or understory foliage, and which abut on slow-moving watercourses, backwaters, or seeps. Willow almost always a dominant component of the vegetation.	Low. No riparian habitat present within study area.
<i>Elanus leucurus</i>	White-tailed Kite	CFP, MBTA, MSHCP Covered Species	Open habitats with perches	<b>Present within study area.</b>
<i>Empidonax traillii (extimus)</i>	Willow Flycatcher (Southwestern)	FE ( <i>extimus</i> ), SE (all subspecies), MBTA, MSHCP Covered Species, but may require surveys ( <i>extimus</i> )	Well developed riparian woodland, willow meadows	High: Potential to occur within the study area.
<i>Eremophila alpestris actia</i>	California Horned Lark	CSC, MBTA, MSHCP Covered Species	Open habitats, bare dirt	<b>Present within study area.</b>

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<i>Icteria virens</i>	Yellow-breasted Chat	CSC (nesting), MBTA, MSHCP Covered Species	Mature riparian woodland	High. Suitable habitat occurs.
<i>Lanius ludovicianus</i>	Loggerhead shrike	FBCC, CSC (nesting), MBTA, MSHCP Covered Species	Open habitats, scrub	<b>Present within Study Area.</b>
<i>Picoides pubescens</i>	Downy woodpecker	CSC (nesting), MBTA, MSHCP Covered Species	riparian woodland and willow habitats	<b>Present within Study Area</b>
<i>Poliptila californica californica</i>	Coastal California Gnatcatcher	FT, CSC, MBTA, MSHCP Covered Species	Coastal sage scrub	<b>Present within Study Area.</b>
<i>Vireo bellii pusillus</i>	Least Bell's Vireo	FE, SE, MBTA, MSHCP Covered Species but may require surveys	Riparian scrub and low woodland	<b>Present within Study Area.</b>
<b>Mammals</b>				

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<i>Dipodomys stephensi</i>	Stephens' Kangaroo Rat	ST/FE, MSHCP Covered Species	Grasslands with sparse to no shrub cover	<b>Present within Study Area.</b>
<i>Lepus californica bennettii</i>	San Diego Black-tailed Jackrabbit	CSC, MSHCP Covered Species	Scrub/grassland interface	<b>Present within Study Area.</b>
<i>Neotoma lepida intermedia</i>	San Diego Desert Woodrat	CSC, MSHCP Covered Species	Cactus thickets, chaparral, sage scrub	High: Potential to occur within the study area.
<i>Perognathus (Chaetodipus) fallax fallax</i>	Northwestern San Diego Pocket Mouse	CSC, MSHCP Covered Species	Sage scrub, grassland, desert scrub	High: Potential to occur within the study area.
<i>Perognathus longimembris brevinasus</i>	Los Angeles pocket mouse	CSC; MSHCP Covered Species	Sage scrub, grassland, desert scrub	Sage scrub, grassland, desert scrub

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