
Appendix C2

Potential to Occur Table

Table 1
Special-Status Plant Species Potential Presence and Status

Scientific Name	Common Name	Status (Federal/State/CRPR)	MSCP City Subarea Plan	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	MSCP Subarea Plan Planning Area
<i>Abronia maritima</i>	red sand-verbena	None/None/4.2	None	Coastal dunes/perennial herb/Feb–Nov/0–330	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Acanthomintha ilicifolia</i>	San Diego thorn-mint	FT/SE/1B.1	Narrow Endemic	Chaparral, coastal scrub, valley and foothill grassland, vernal pools; clay, openings/annual herb/Apr–June/35–3,150	Eastern Area, Cornerstone Lands, Northern Area, Otay Lakes Cornerstone Lands, Southern Area, Urban Area
<i>Acmispon prostratus</i>	Nuttall's acmispon	None/None/1B.1	Covered	Coastal dunes, coastal scrub (sandy)/annual herb/Mar–June(July)/0–35	Northern Area, Southern Area, Urban Area
<i>Adolphia californica</i>	California adolphia	None/None/2B.1	None	Chaparral, coastal scrub, valley and foothill grassland; clay/perennial deciduous shrub/Dec–May/35–2,430	Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Agave shawii</i> var. <i>shawii</i>	Shaw's agave	None/None/2B.1	Covered, Narrow Endemic	Coastal bluff scrub, coastal scrub/perennial leaf/Sep–May/10–395	Northern Area, Southern Area, Urban Area
<i>Allium marvinii</i>	Yucaipa onion	None/None/1B.2	None	Chaparral (clay, openings)/perennial bulbiferous herb/Apr–May/2,495–3,495	None; records of this species occur in the query buffer area adjacent to MSCP subareas.
<i>Ambrosia chenopodiifolia</i>	San Diego bur-sage	None/None/2B.1	None	Coastal scrub/perennial shrub/Apr–June/180–510	Southern Area
<i>Ambrosia monogyra</i>	singlewhorl burrobrush	None/None/2B.2	None	Chaparral, Sonoran desert scrub; sandy/perennial shrub/Aug–Nov/35–1,640	Marron Valley Cornerstone Land, Southern Area, Urban Area

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<i>Ambrosia pumila</i>	San Diego ambrosia	FE/None/1B.1	Covered, Narrow Endemic	Chaparral, coastal scrub, valley and foothill grassland, vernal pools; alkaline (sometimes), clay (sometimes), disturbed areas (often), loam (sometimes), sandy (sometimes)/perennial rhizomatous herb/Apr–Oct/65–1,360	Eastern Area, Northern Area, Southern Area, Urban Area
<i>Aphanisma blitoides</i>	aphanisma	None/None/1B.2	Covered	Coastal bluff scrub, coastal dunes, coastal scrub; gravelly (sometimes), sandy (sometimes)/annual herb/Feb–June/5–1,000	Northern Area, Southern Area, Urban Area
<i>Aphyllon parishii</i> ssp. <i>brachylobum</i>	short-lobed broomrape	None/None/4.2	None	Coastal bluff scrub, coastal dunes, coastal scrub; sandy/annual/perennial herb (parasitic)/Apr–Oct/10–1,000	Northern Area
<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i>	Del Mar manzanita	FE/None/1B.1	Covered	Chaparral (maritime, sandy)/perennial evergreen shrub/June–Apr/0–1,200	Eastern Area, Northern Area
<i>Arctostaphylos otayensis</i>	Otay manzanita	None/None/1B.2	Covered	Chaparral, cismontane woodland/perennial evergreen shrub/Jan–Apr/900–5,580	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Arctostaphylos rainbowensis</i>	Rainbow manzanita	None/None/1B.1	None	Chaparral/perennial evergreen shrub/Dec–Mar/675–2,200	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Artemisia palmeri</i>	San Diego sagewort	None/None/4.2	None	Chaparral, coastal scrub, riparian forest, riparian scrub, riparian woodland; mesic, sandy/perennial deciduous shrub/(Feb)May–Sep/15–3,000	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area

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<i>Asplenium vespertinum</i>	western spleenwort	None/None/4.2	None	Chaparral, cismontane woodland, coastal scrub; rocky/perennial rhizomatous herb/Feb–June/590–3,280	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Astragalus deanei</i>	Dean's milk-vetch	None/None/1B.1	Covered	Chaparral, cismontane woodland, coastal scrub, riparian forest/perennial herb/Feb–May/245–2,280	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Astragalus oocarpus</i>	San Diego milk-vetch	None/None/1B.2	None	Chaparral (openings), cismontane woodland/perennial herb/May–Aug/1,000–5,000	Cornerstone Lands
<i>Astragalus tener</i> var. <i>titi</i>	coastal dunes milk-vetch	FE/SE/1B.1	Covered	Coastal bluff scrub (sandy), coastal dunes, coastal prairie (mesic); mesic (often), vernal mesic (often)/annual herb/Mar–May/5–165	Northern Area
<i>Atriplex coulteri</i>	Coulter's saltbush	None/None/1B.2	None	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland; alkaline (sometimes), clay (sometimes)/perennial herb/Mar–Oct/10–1,510	Northern Area, Southern Area, Urban Area
<i>Atriplex pacifica</i>	south coast saltscale	None/None/1B.2	None	Coastal bluff scrub, coastal dunes, coastal scrub, playas/annual herb/Mar–Oct/0–460	Northern Area, Southern Area, Urban Area
<i>Atriplex parishii</i>	Parish's brittlescale	None/None/1B.1	None	Chenopod scrub, playas, vernal pools; alkaline/annual herb/June–Oct/80–6,235	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Baccharis vanessae</i>	Encinitas baccharis	FT/SE/1B.1	Covered, Narrow Endemic	Chaparral (maritime), cismontane woodland; sandstone/perennial deciduous shrub/Aug–Nov/195–2,360	Northern Area

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<i>Bergerocactus emoryi</i>	golden-spined cereus	None/None/2B.2	None	Chaparral, closed-cone coniferous forest, coastal scrub; sandy/perennial stem/May-June/10-1,295	Northern Area, Southern Area, Urban Area
<i>Bloomeria clevelandii</i>	San Diego goldenstar	None/None/1B.1	Covered	Chaparral, coastal scrub, valley and foothill grassland, vernal pools; clay/perennial bulbiferous herb/Apr-May/165-1,525	Eastern Area, Marron Valley Cornerstone Land, Northern Area, Otay Lakes Cornerstone Lands, San Vicente Cornerstone Lands, Southern Area, Urban Area
<i>Brodiaea filifolia</i>	thread-leaved brodiaea	FT/SE/1B.1	Covered, Narrow Endemic	Chaparral (openings), cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools; clay (often)/perennial bulbiferous herb/Mar-June/80-3,675	Cornerstone Lands, Northern Area
<i>Brodiaea orcuttii</i>	Orcutt's brodiaea	None/None/1B.1	Covered	Chaparral, cismontane woodland, closed-cone coniferous forest, meadows and seeps, valley and foothill grassland, vernal pools; clay, mesic/perennial bulbiferous herb/May-July/100-5,550	Eastern Area, Northern Area, Otay Lakes Cornerstone Lands, San Vicente Cornerstone Lands, Southern Area, Urban Area
<i>Calandrinia breweri</i>	Brewer's calandrinia	None/None/4.2	None	Chaparral, coastal scrub; burned areas, disturbed areas, loam (sometimes), sandy (sometimes)/annual herb/(Jan)Mar-June/35-4,005	Eastern Area, Cornerstone Lands, Northern Area
<i>Calochortus dunnii</i>	Dunn's mariposa-lily	None/SR/1B.2	Covered, Narrow Endemic	Chaparral, closed-cone coniferous forest, valley and foothill grassland; gabbroic (sometimes), rocky/perennial bulbiferous herb/(Feb)Apr-June/605-6,005	None; records of this species occur in the query buffer area adjacent to MSCP subareas

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<i>Calochortus plummerae</i>	Plummer's mariposa-lily	None/None/4.2	None	Chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, valley and foothill grassland; granitic, rocky/perennial bulbiferous herb/May-July/330-5,580	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Camissoniopsis lewisii</i>	Lewis' evening-primrose	None/None/3	None	Cismontane woodland, coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland; clay (sometimes), sandy (sometimes)/annual herb/Mar-May(June)/0-985	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Carex obispoensis</i>	San Luis Obispo sedge	None/None/1B.2	None	Chaparral, closed-cone coniferous forest, coastal prairie, coastal scrub, valley and foothill grassland; clay (often), gabbroic (sometimes), seeps (often), serpentinite (often)/perennial cespitose herb/Apr-June/35-2,690	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Castilleja plagiotoma</i>	Mojave paintbrush	None/None/4.3	None	Great Basin scrub (alluvial), Joshua tree "woodland," lower montane coniferous forest, pinyon and juniper woodland/perennial herb (hemiparasitic)/Apr-June/985-8,205	Eastern Area, Northern Area, Urban Area
<i>Caulanthus simulans</i>	Payson's jewelflower	None/None/4.2	None	Chaparral, coastal scrub; granitic, sandy/annual herb/(Feb)Mar-May(June)/295-7,220	Northern Area
<i>Ceanothus cyaneus</i>	Lakeside ceanothus	None/None/1B.2	Covered, Narrow Endemic	Chaparral, closed-cone coniferous forest/perennial evergreen shrub/Apr-June/770-2,475	Northern Area

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<i>Ceanothus otayensis</i>	Otay Mountain ceanothus	None/None/1B.2	None	Chaparral (gabbroic, metavolcanic)/perennial evergreen shrub/Jan–Apr/1,970–3,610	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Ceanothus verrucosus</i>	wart-stemmed ceanothus	None/None/2B.2	Covered	Chaparral/perennial evergreen shrub/Dec–May/5–1,245	Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Centromadia parryi</i> ssp. <i>australis</i>	southern tarplant	None/None/1B.1	None	Marshes and swamps (margins), Valley and foothill grassland (vernally mesic), vernal pools/annual herb/May–Nov/0–1,575	Cornerstone Lands, Northern Area
<i>Centromadia pungens</i> ssp. <i>laevis</i>	smooth tarplant	None/None/1B.1	None	Chenopod scrub, meadows and seeps, playas, riparian woodland, valley and foothill grassland; alkaline/annual herb/Apr–Sep/0–2,100	Cornerstone Lands
<i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i>	Orcutt's pincushion	None/None/1B.1	None	Coastal bluff scrub (sandy), coastal dunes/annual herb/Jan–Aug/0–330	Northern Area, Southern Area, Urban Area
<i>Chamaebatia australis</i>	southern mountain misery	None/None/4.2	None	Chaparral (gabbroic, metavolcanic)/perennial evergreen shrub/Nov–May/985–3,345	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	salt marsh bird's-beak	FE/SE/1B.2	Covered	Coastal dunes, marshes and swamps (coastal salt)/annual herb (hemiparasitic)/May–Oct(Nov)/0–100	Urban Area
<i>Chorizanthe leptotheca</i>	Peninsular spineflower	None/None/4.2	None	Chaparral, coastal scrub, lower montane coniferous forest; granitic/annual herb/May–Aug/985–6,235	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area

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<i>Chorizanthe orcuttiana</i>	Orcutt's spineflower	FE/SE/1B.1	None	Chaparral (maritime), closed-cone coniferous forest, coastal scrub; openings, sandy/annual herb/Mar-May/10-410	Northern Area, Urban Area
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	long-spined spineflower	None/None/1B.2	None	Chaparral, coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools; clay (often)/annual herb/Apr-July/100-5,020	Northern Area, Urban Area
<i>Cistanthe maritima</i>	seaside cistanthe	None/None/4.2	None	Coastal bluff scrub, coastal scrub, valley and foothill grassland; sandy/annual herb/(Feb)Mar-June(Aug)/15-985	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Clarkia delicata</i>	delicate clarkia	None/None/1B.2	None	Chaparral, cismontane woodland; gabbroic (often)/annual herb/Apr-June/770-3,280	Eastern Area, Cornerstone Lands, Marron Valley Cornerstone Land, San Vicente Cornerstone Lands
<i>Clinopodium chandleri</i>	San Miguel savory	None/None/1B.2	Covered	Chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland; gabbroic (sometimes), rocky (sometimes)/perennial shrub/Mar-July/395-3,525	San Vicente Cornerstone Lands
<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i>	summer holly	None/None/1B.2	None	Chaparral, cismontane woodland/perennial evergreen shrub/Apr-June/100-2,590	Eastern Area, Northern Area, Urban Area
<i>Convolvulus simulans</i>	small-flowered morning-glory	None/None/4.2	None	Chaparral (openings), coastal scrub, valley and foothill grassland; clay, seeps, serpentinite/annual herb/Mar-July/100-2,430	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area

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<i>Cordylanthus parviflorus</i>	small-flowered bird's-beak	None/None/2B.3	None	Joshua tree "woodland," Mojavean desert scrub, pinyon and juniper woodland/annual herb (hemiparasitic)/Aug–Oct/2,295– 7,220	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Cordylanthus rigidus</i> ssp. <i>brevibracteatus</i>	short-bracted bird's-beak	None/None/4.3	None	Chaparral, lower montane coniferous forest, pinyon and juniper woodland, upper montane coniferous forest; granitic, openings/annual herb (hemiparasitic)/July–Aug(Sep– Oct)/2,000–8,500	Northern Area
<i>Corethrogyne filaginifolia</i> var. <i>incana</i>	San Diego sand aster	None/None/1B.1	None	Chaparral, coastal bluff scrub, coastal scrub/perennial herb/June–Sep/10– 375	Northern Area, Southern Area, Urban Area
<i>Corethrogyne filaginifolia</i> var. <i>linifolia</i>	Del Mar Mesa sand aster	None/None/1B.1	Covered	Chaparral (maritime, openings), coastal bluff scrub, coastal scrub; sandy/perennial herb/May–Sep/15– 490	Northern Area
<i>Cryptantha wigginsii</i>	Wiggins' cryptantha	None/None/1B.2	None	Coastal scrub; clay (often)/annual herb/Feb–June/65–900	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Cylindropuntia californica</i> var. <i>californica</i>	snake cholla	None/None/1B.1	Covered, Narrow Endemic	Chaparral, coastal scrub/perennial stem/Apr–May/100–490	Northern Area, Southern Area, Urban Area
<i>Deinandra conjugens</i>	Otay tarplant	FT/SE/1B.1	Covered, Narrow Endemic	Coastal scrub, valley and foothill grassland; clay/annual herb/(Apr)May–June/80–985	Otay Lakes Cornerstone Lands, Southern Area, Urban Area
<i>Deinandra floribunda</i>	Tecate tarplant	None/None/1B.2	None	Chaparral, coastal scrub/annual herb/Aug–Oct/230–4,005	Southern Area

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<i>Deinandra paniculata</i>	paniculate tarplant	None/None/4.2	None	Coastal scrub, valley and foothill grassland, vernal pools; sandy (sometimes), vernal mesic (usually)/annual herb/(Mar)Apr–Nov/80–3,085	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Dendromecon harfordii</i> var. <i>harfordii</i>	north island bush-poppy	None/None/3.2	None	Chaparral, closed-cone coniferous forest; rocky/perennial evergreen shrub/Mar–Nov/50–1,380	Southern Area
<i>Dichondra occidentalis</i>	western dichondra	None/None/4.2	None	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland/perennial rhizomatous herb/(Jan)Mar–July/165–1,640	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Dicranostegia orcuttiana</i>	Orcutt's bird's-beak	None/None/2B.1	Covered	Coastal scrub/annual herb (hemiparasitic)/(Mar)Apr–July(Sep)/35–1,150	Southern Area
<i>Diplacus aridus</i>	low bush monkeyflower	None/None/4.3	None	Chaparral (rocky), Sonoran desert scrub/perennial evergreen shrub/Apr–July/2,460–3,935	Eastern Area, Northern Area, Urban Area
<i>Diplacus clevelandii</i>	Cleveland's bush monkeyflower	None/None/4.2	None	Chaparral, cismontane woodland, lower montane coniferous forest; disturbed areas (often), gabbroic, openings, rocky/perennial rhizomatous herb/Apr–July/1,475–6,560	Cornerstone Lands, Northern Area, Southern Area
<i>Dudleya attenuata</i> ssp. <i>attenuata</i>	Orcutt's dudleya	None/None/2B.1	None	Chaparral, coastal bluff scrub, coastal scrub; gravelly (sometimes), rocky (sometimes)/perennial herb/May–July/10–165	Southern Area

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<i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i>	Blochman's dudleya	None/None/1B.1	None	Chaparral, coastal bluff scrub, coastal scrub, valley and foothill grassland; clay (often), rocky, serpentinite/perennial herb/Apr-June/15-1,475	Southern Area, Urban Area
<i>Dudleya brevifolia</i>	short-leaved dudleya	None/SE/1B.1	Covered, Narrow Endemic	Chaparral (maritime, openings), coastal scrub; sandstone/perennial herb/Apr-May/100-820	Northern Area, Urban Area
<i>Dudleya variegata</i>	variegated dudleya	None/None/1B.2	Covered, Narrow Endemic	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland, vernal pools; clay/perennial herb/Apr-June/10-1,905	Eastern Area, Marron Valley Cornerstone Land, Northern Area, Otay Lakes Cornerstone Lands, Southern Area, Urban Area
<i>Dudleya viscida</i>	sticky dudleya	None/None/1B.2	Covered	Chaparral, cismontane woodland, coastal bluff scrub, coastal scrub; rocky/perennial herb/May-June/35-1,805	Northern Area, Urban Area
<i>Ericameria palmeri</i> var. <i>palmeri</i>	Palmer's goldenbush	None/None/1B.1	Covered, Narrow Endemic	Chaparral, coastal scrub; mesic/perennial evergreen shrub/(July)Sep-Nov/100-1,970	Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Eriodictyon sessilifolium</i>	sessile-leaved yerba santa	None/None/2B.1	None	Coastal scrub; volcanic/perennial shrub/July/560-560	Northern Area
<i>Eriogonum evanidum</i>	vanishing wild buckwheat	None/None/1B.1	None	Chaparral, cismontane woodland, lower montane coniferous forest, pinyon and juniper woodland; gravelly (sometimes), sandy (sometimes)/annual herb/July-Oct/3,610-7,300	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Eryngium aristulatum</i> var. <i>parishii</i>	San Diego button-celery	FE/SE/1B.1	Covered	Coastal scrub, valley and foothill grassland, vernal pools; mesic/annual/perennial herb/Apr-June/65-2,035	Eastern Area, Northern Area, Otay Lakes Cornerstone Lands, Southern Area, Urban Area

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<i>Erysimum ammophilum</i>	sand-loving wallflower	None/None/1B.2	Covered	Chaparral (maritime), coastal dunes, coastal scrub; openings, sandy/perennial herb/Feb- June(July-Aug)/0-195	Northern Area, Urban Area
<i>Erythranthe diffusa</i>	Palomar monkeyflower	None/None/4.3	None	Chaparral, lower montane coniferous forest; gravelly (sometimes), sandy (sometimes)/annual herb/Apr- June/4,005-6,005	Eastern Area, Cornerstone Lands, Northern Area, Urban Area
<i>Euphorbia abramsiana</i>	Abrams' spurge	None/None/2B.2	None	Mojavean desert scrub, Sonoran desert scrub; sandy/annual herb/(Aug)Sep-Nov/-15-4,300	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Euphorbia misera</i>	cliff spurge	None/None/2B.2	None	Coastal bluff scrub, coastal scrub, Mojavean desert scrub; rocky/perennial shrub/(Oct)Dec- Aug/35-1,640	Northern Area, Southern Area, Urban Area
<i>Ferocactus viridescens</i>	San Diego barrel cactus	None/None/2B.1	Covered	Chaparral, coastal scrub, valley and foothill grassland, vernal pools/perennial stem/May-June/10- 1,475	Eastern Area, Marron Valley Cornerstone Land, Northern Area, Otay Lakes Cornerstone Lands, Southern Area, Urban Area
<i>Frankenia palmeri</i>	Palmer's frankenian	None/None/2B.1	None	Coastal dunes, marshes and swamps (coastal salt), playas/perennial herb/May-July/0-35	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Fraxinus parryi</i>	chaparral ash	None/None/2B.2	None	Chaparral/perennial shrub/Mar- May/700-2,035	Marron Valley Cornerstone Land
<i>Fremontodendron mexicanum</i>	Mexican flannelbush	FE/SR/1B.1	Covered	Chaparral, cismontane woodland, closed-cone coniferous forest; gabbroic, serpentinite/perennial evergreen shrub/Mar-June/35- 2,350	None; records of this species occur in the query buffer area adjacent to MSCP subareas

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<i>Galium proliferum</i>	desert bedstraw	None/None/2B.2	None	Joshua tree “woodland,” Mojavean desert scrub, pinyon and juniper woodland; carbonate, rocky/annual herb/Mar–June/3,905–5,350	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Geothallus tuberosus</i>	Campbell’s liverwort	None/None/1B.1	None	Coastal scrub (mesic), vernal pools/ephemeral liverwort/NA/35–1,970	Northern Area, Urban Area
<i>Githopsis diffusa</i> ssp. <i>filicaulis</i>	Mission Canyon bluecup	None/None/3.1	None	Chaparral (disturbed areas, mesic)/annual herb/Apr–June/1,475–2,295	Eastern Area, Cornerstone Lands, Northern Area, Urban Area
<i>Grindelia hallii</i>	San Diego gumplant	None/None/1B.2	None	Chaparral, lower montane coniferous forest, meadows and seeps, valley and foothill grassland/perennial herb/May–Oct/605–5,725	Southern Area
<i>Harpagonella palmeri</i>	Palmer’s grapplinghook	None/None/4.2	None	Chaparral, coastal scrub, valley and foothill grassland; clay, openings/annual herb/Mar–May/65–3,135	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Hazardia orcuttii</i>	Orcutt’s hazardia	None/ST/1B.1	None	Chaparral (maritime), coastal scrub; clay (often)/perennial evergreen shrub/Aug–Oct/260–280	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Hesperevax caulescens</i>	hogwallow starfish	None/None/4.2	None	Valley and foothill grassland (mesic clay), vernal pools (shallow); alkaline (sometimes)/annual herb/Mar–June/0–1,655	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Hesperocyparis forbesii</i>	Tecate cypress	None/None/1B.1	Covered	Chaparral, closed-cone coniferous forest; clay, gabbroic (sometimes)/perennial evergreen tree/NA/260–4,920	Marron Valley Cornerstone Land, Otay Lakes Cornerstone Lands
<i>Heterotheca sessiliflora</i> ssp. <i>sessiliflora</i>	beach goldenaster	None/None/1B.1	None	Chaparral (coastal), coastal dunes, coastal scrub/perennial herb/Mar–Dec/0–4,020	Northern Area, Southern Area, Urban Area

Scientific Name	Common Name	Status (Federal/State/ CRPR)	MSCP City Subarea Plan	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	MSCP Subarea Plan Planning Area
<i>Holocarpha virgata</i> ssp. <i>elongata</i>	graceful tarplant	None/None/4.2	None	Chaparral, cismontane woodland, coastal scrub, valley and foothill grassland/annual herb/May- Nov/195-3,610	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Hordeum</i> <i>intercedens</i>	vernal barley	None/None/3.2	None	Coastal dunes, coastal scrub, valley and foothill grassland (depressions, saline flats), vernal pools/annual herb/Mar-June/15-3,280	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Horkelia truncata</i>	Ramona horkelia	None/None/1B.3	None	Chaparral, cismontane woodland; clay, gabbroic/perennial herb/May- June/1,310-4,265	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Hosackia</i> <i>crassifolia</i> var. <i>otayensis</i>	Otay Mountain lotus	None/None/1B.1	None	Chaparral (metavolcanic, often disturbed areas)/perennial herb/May-Aug/1,245-3,295	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Hulsea californica</i>	San Diego sunflower	None/None/1B.3	None	Chaparral, lower montane coniferous forest, upper montane coniferous forest; burned areas, openings/perennial herb/Apr- June/3,000-9,565	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Isocoma menziesii</i> var. <i>decumbens</i>	decumbent goldenbush	None/None/1B.2	None	Chaparral, coastal scrub (often disturbed areas, sandy)/perennial shrub/Apr-Nov/35-820	Eastern Area, Cornerstone Lands, Northern Area, Otay Lakes Cornerstone Lands, Southern Area, Urban Area
<i>Iva hayesiana</i>	San Diego marsh-elder	None/None/2B.2	None	Marshes and swamps, playas/perennial herb/Apr-Oct/0- 1,640	Eastern Area, Northern Area, Otay Lakes Cornerstone Lands, Southern Area, Urban Area
<i>Juglans californica</i>	Southern California black walnut	None/None/4.2	None	Chaparral, cismontane woodland, coastal scrub, riparian woodland/perennial deciduous tree/Mar-Aug/165-2,955	None; records of this species occur in the query buffer area adjacent to MSCP subareas

Scientific Name	Common Name	Status (Federal/State/ CRPR)	MSCP City Subarea Plan	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	MSCP Subarea Plan Planning Area
<i>Juncus acutus</i> ssp. <i>leopoldii</i>	southwestern spiny rush	None/None/4.2	None	Coastal dunes (mesic), coastal scrub, marshes and swamps (coastal salt), meadows and seeps (alkaline seeps)/perennial rhizomatous herb/(Mar)May–June/10–2,955	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	None/None/1B.1	None	Marshes and swamps (coastal salt), playas, vernal pools/annual herb/Feb–June/5–4,005	Northern Area, Urban Area
<i>Lathyrus splendens</i>	pride-of- California	None/None/4.3	None	Chaparral/perennial herb/Mar– June/655–5,005	Northern Area
<i>Lepechinia cardiophylla</i>	heart-leaved pitcher sage	None/None/1B.2	Covered, Narrow Endemic	Chaparral, cismontane woodland, closed-cone coniferous forest/perennial shrub/Apr– July/1,705–4,495	Eastern Area
<i>Lepechinia ganderi</i>	Gander's pitcher sage	None/None/1B.3	Covered, Narrow Endemic	Chaparral, closed-cone coniferous forest, coastal scrub, valley and foothill grassland; gabbroic (sometimes)/perennial shrub/June– July/1,000–3,295	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	None/None/4.3	None	Chaparral, coastal scrub/annual herb/Jan–July/5–2,905	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area, Marron Valley Cornerstone Land
<i>Leptosiphon grandiflorus</i>	large-flowered leptosiphon	None/None/4.2	None	Cismontane woodland, closed-cone coniferous forest, coastal bluff scrub, coastal dunes, coastal prairie, coastal scrub, valley and foothill grassland; sandy (usually)/annual herb/Apr– Aug/15–4,005	None; records of this species occur in the query buffer area adjacent to MSCP subareas

Scientific Name	Common Name	Status (Federal/State/ CRPR)	MSCP City Subarea Plan	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	MSCP Subarea Plan Planning Area
<i>Leptosyne maritima</i>	sea dahlia	None/None/2B.2	None	Coastal bluff scrub, coastal scrub/perennial herb/Mar–May/15– 490	Northern Area, Southern Area, Urban Area
<i>Lilium humboldtii</i> ssp. <i>humboldtii</i>	Humboldt lily	None/None/4.2	None	Chaparral, cismontane woodland, lower montane coniferous forest; openings/perennial bulbiferous herb/May–July(Aug)/295–4,200	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Lilium humboldtii</i> ssp. <i>ocellatum</i>	ocellated Humboldt lily	None/None/4.2	None	Chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, riparian woodland; openings/perennial bulbiferous herb/Mar–July(Aug)/100–5,905	Southern Area, Urban Area
<i>Lycium californicum</i>	California box- thorn	None/None/4.2	None	Coastal bluff scrub, coastal scrub/perennial shrub/Mar– Aug(Dec)/15–490	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Microseris douglasii</i> ssp. <i>platycarpha</i>	small-flowered microseris	None/None/4.2	None	Cismontane woodland, coastal scrub, valley and foothill grassland, vernal pools; clay/annual herb/Mar– May/50–3,510	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Mobergia calculiformis</i>	light gray lichen	None/None/3	None	Coastal scrub (?)/crustose lichen (saxicolous)/NA/35–35	Eastern Area, Northern Area, Southern Area, Urban Area
<i>Monardella breweri</i> ssp. <i>microcephala</i>	small-headed monardella	None/None/2B.2	None	Chaparral, cismontane woodland, lower montane coniferous forest; disturbed areas (sometimes), granitic, openings/annual herb/May– Aug/755–3,935	San Vicente Cornerstone Lands
<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	felt-leaved monardella	None/None/1B.2	Covered	Chaparral, cismontane woodland/perennial rhizomatous herb/June–Aug/985–5,170	None; records of this species occur in the query buffer area adjacent to MSCP subareas

Scientific Name	Common Name	Status (Federal/State/CRPR)	MSCP City Subarea Plan	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	MSCP Subarea Plan Planning Area
<i>Monardella nana</i> ssp. <i>leptosiphon</i>	San Felipe monardella	None/None/1B.2	None	Chaparral, lower montane coniferous forest/perennial rhizomatous herb/June–July/3,935–6,085	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Monardella stoneana</i>	Jennifer's monardella	None/None/1B.2	None	Chaparral, closed-cone coniferous forest, coastal scrub, riparian scrub; rocky (usually), streambanks (often)/perennial herb/June–Sep/35–2,590	Marron Valley Cornerstone Land, Otay Lakes Cornerstone Lands
<i>Monardella viminea</i>	willowy monardella	FE/SE/1B.1	Covered, Narrow Endemic	Chaparral, coastal scrub, riparian forest, riparian scrub, riparian woodland; alluvial terraces, washes/perennial herb/June–Aug/165–740	Eastern Area, Northern Area, Urban Area
<i>Mucronea californica</i>	California spineflower	None/None/4.2	None	Chaparral, cismontane woodland, coastal dunes, coastal scrub, valley and foothill grassland; sandy/annual herb/Mar–July(Aug)/0–4,595	Eastern Area, Northern Area, Southern Area, Urban Area
<i>Myosurus minimus</i> ssp. <i>apus</i>	little mousetail	None/None/3.1	Covered	Valley and foothill grassland, vernal pools (alkaline)/annual herb/Mar–June/65–2,100	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area, Otay Lakes Cornerstone Lands, Marron Valley Cornerstone Land
<i>Myriopteris wootonii</i>	Wooton's lace fern	None/None/2B.3	None	Joshua tree "woodland," pinyon and juniper woodland; rocky/perennial rhizomatous herb/May–Oct/5,250–6,235	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Nama stenocarpa</i>	mud nama	None/None/2B.2	None	Marshes and swamps (lake margins, riverbanks)/annual/perennial herb/Jan–July/15–1,640	Southern Area

Scientific Name	Common Name	Status (Federal/State/ CRPR)	MSCP City Subarea Plan	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	MSCP Subarea Plan Planning Area
<i>Navarretia fossalis</i>	spreading navarretia	FT/None/1B.1	Covered	Chenopod scrub, marshes and swamps (shallow freshwater), playas, vernal pools/annual herb/Apr- June/100-2,150	Northern Area, Otay Lakes Cornerstone Lands, Southern Area, Urban Area
<i>Navarretia peninsularis</i>	Baja navarretia	None/None/1B.2	None	Chaparral (openings), lower montane coniferous forest, meadows and seeps, pinyon and juniper woodland; mesic/annual herb/(May)June- Aug/4,920-7,545	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Navarretia prostrata</i>	prostrate vernal pool navarretia	None/None/1B.2	None	Coastal scrub, meadows and seeps, valley and foothill grassland (alkaline), vernal pools; mesic/annual herb/Apr-July/10-3,970	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Nemacaulis denudata</i> var. <i>denudata</i>	coast woolly- heads	None/None/1B.2	None	Coastal dunes/annual herb/Apr- Sep/0-330	Northern Area, Southern Area, Urban Area
<i>Nemacaulis denudata</i> var. <i>gracilis</i>	slender cottonheads	None/None/2B.2	None	Coastal dunes, desert dunes, Sonoran desert scrub/annual herb/(Mar)Apr-May/-165-1,310	Southern Area, Urban Area
<i>Nolina cismontana</i>	chaparral nolina	None/None/1B.2	None	Chaparral, coastal scrub; gabbroic (sometimes), sandstone (sometimes)/perennial evergreen shrub/(Mar)May-July/460-4,185	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Nolina interrata</i>	Dehesa nolina	None/SE/1B.1	Covered, Narrow Endemic	Chaparral (gabbroic, metavolcanic, serpentine)/perennial herb/June- July/605-2,805	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Ophioglossum californicum</i>	California adder's-tongue	None/None/4.2	None	Chaparral, valley and foothill grassland, vernal pools (margins); mesic/perennial rhizomatous herb/Jan-June(Dec)/195-1,725	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area

Scientific Name	Common Name	Status (Federal/State/ CRPR)	MSCP City Subarea Plan	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	MSCP Subarea Plan Planning Area
<i>Orcuttia californica</i>	California Orcutt grass	FE/SE/1B.1	Covered	Vernal pools/annual herb/Apr– Aug/50–2,165	Northern Area, Southern Area
<i>Ornithostaphylos oppositifolia</i>	Baja California birdbush	None/SE/2B.1	None	Chaparral/perennial evergreen shrub/Jan–Apr/180–2,625	Southern Area
<i>Packera ganderi</i>	Gander's ragwort	None/SR/1B.2	Covered	Chaparral (burned areas, gabbroic outcrops)/perennial herb/Apr– June/1,310–3,935	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Pentachaeta aurea ssp. aurea</i>	golden-rayed pentachaeta	None/None/4.2	None	Chaparral, cismontane woodland, coastal scrub, lower montane coniferous forest, riparian woodland, valley and foothill grassland/annual herb/Mar–July/260–6,070	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Phacelia ramosissima</i> var. <i>australitoralis</i>	south coast branching phacelia	None/None/3.2	None	Chaparral, coastal dunes, coastal scrub, marshes and swamps (coastal salt); rocky (sometimes), sandy/perennial herb/Mar–Aug/15– 985	Eastern Area, Cornerstone Lands, Northern Area, Urban Area
<i>Phacelia stellaris</i>	Brand's star phacelia	None/None/1B.1	None	Coastal dunes, coastal scrub/annual herb/Mar–June/5–1,310	Northern Area, Southern Area, Urban Area
<i>Pickeringia montana</i> var. <i>tomentosa</i>	woolly chaparral-pea	None/None/4.3	None	Chaparral; clay, gabbroic, granitic/evergreen shrub/May– Aug/0–5,580	Eastern Area, Northern Area, Southern Area, Urban Area
<i>Pinus torreyana ssp. torreyana</i>	Torrey pine	None/None/1B.2	Covered	Chaparral, closed-cone coniferous forest; sandstone/perennial evergreen tree/NA/100–525	Northern Area
<i>Piperia cooperi</i>	chaparral rein orchid	None/None/4.2	None	Chaparral, cismontane woodland, valley and foothill grassland/perennial herb/Mar– June/50–5,200	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area

Scientific Name	Common Name	Status (Federal/State/CRPR)	MSCP City Subarea Plan	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	MSCP Subarea Plan Planning Area
<i>Piperia leptopetala</i>	narrow-petaled rein orchid	None/None/4.3	None	Cismontane woodland, lower montane coniferous forest, upper montane coniferous forest/perennial herb/May–July/1,245–7,300	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Pogogyne abramsii</i>	San Diego mesa mint	FE/SE/1B.1	Covered	Vernal pools/annual herb/Mar–July/295–655	Eastern Area, Northern Area, Urban Area
<i>Pogogyne nudiuscula</i>	Otay Mesa mint	FE/SE/1B.1	Covered	Vernal pools/annual herb/May–July/295–820	Southern Area, Urban Area
<i>Pseudognaphalium leucocephalum</i>	white rabbit-tobacco	None/None/2B.2	None	Chaparral, cismontane woodland, coastal scrub, riparian woodland; gravelly, sandy/perennial herb/(July)Aug–Nov(Dec)/0–6,890	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Psilocarphus brevissimus var. multiflorus</i>	Delta woolly-marbles	None/None/4.2	None	Vernal pools/annual herb/May–June/35–1,640	Cornerstone Lands, Northern Area
<i>Quercus cedrosensis</i>	Cedros Island oak	None/None/2B.2	None	Chaparral, closed-cone coniferous forest, coastal scrub/perennial evergreen tree/Apr–May/835–3,150	Marron Valley Cornerstone Land
<i>Quercus dumosa</i>	Nuttall's scrub oak	None/None/1B.1	None	Chaparral, closed-cone coniferous forest, coastal scrub; clay, loam, sandy/perennial evergreen shrub/Feb–Apr(May–Aug)/50–1,310	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Quercus engelmannii</i>	Engelmann oak	None/None/4.2	None	Chaparral, cismontane woodland, riparian woodland, valley and foothill grassland/perennial deciduous tree/Mar–June/165–4,265	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Rhinotropis cornuta var. fishiae</i>	Fish's milkwort	None/None/4.3	None	Chaparral, cismontane woodland, riparian woodland/perennial deciduous shrub/May–Aug/330–3,280	None; records of this species occur in the query buffer area adjacent to MSCP subareas

Scientific Name	Common Name	Status (Federal/State/CRPR)	MSCP City Subarea Plan	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	MSCP Subarea Plan Planning Area
<i>Ribes canthariforme</i>	Moreno currant	None/None/1B.3	None	Chaparral, riparian scrub/perennial deciduous shrub/Feb–Apr/1,115–3,935	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Ribes viburnifolium</i>	Santa Catalina Island currant	None/None/1B.2	None	Chaparral, cismontane woodland/perennial evergreen shrub/Feb–Apr/100–1,150	Southern Area
<i>Romneya coulteri</i>	Coulter's matilija poppy	None/None/4.2	None	Chaparral, coastal scrub; burned areas (often)/perennial rhizomatous herb/Mar–July(Aug)/65–3,935	Eastern Area, Southern Area, Urban Area
<i>Rosa minutifolia</i>	small-leaved rose	None/SE/2B.1	Covered	Chaparral, coastal scrub/perennial deciduous shrub/Jan–June/490–525	Southern Area
<i>Rupertia rigida</i>	Parish's rupertia	None/None/4.3	None	Chaparral, cismontane woodland, lower montane coniferous forest, meadows and seeps, pebble (pavement) plain, valley and foothill grassland/perennial herb/June–Aug/2,295–8,205	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Salvia munzii</i>	Munz's sage	None/None/2B.2	None	Chaparral, coastal scrub/perennial evergreen shrub/Feb–Apr/375–3,495	Eastern Area, Cornerstone Lands, Otay Lakes Cornerstone Lands, Urban Area
<i>Sanicula tracyi</i>	Tracy's sanicle	None/None/4.2	None	Cismontane woodland, lower montane coniferous forest, upper montane coniferous forest; openings/perennial herb/Apr–July/330–5,200	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Scutellaria bolanderi</i> ssp. <i>austromontana</i>	southern mountains skullcap	None/None/1B.2	None	Chaparral, cismontane woodland, lower montane coniferous forest; mesic/perennial rhizomatous herb/June–Aug/1,395–6,560	None; records of this species occur in the query buffer area adjacent to MSCP subareas

Scientific Name	Common Name	Status (Federal/State/CRPR)	MSCP City Subarea Plan	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	MSCP Subarea Plan Planning Area
<i>Selaginella cinerascens</i>	ashy spike-moss	None/None/4.1	None	Chaparral, coastal scrub/perennial rhizomatous herb/NA/65–2,100	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Senecio aphanactis</i>	chaparral ragwort	None/None/2B.2	None	Chaparral, cismontane woodland, coastal scrub; alkaline (sometimes)/annual herb/Jan–Apr(May)/50–2,625	Eastern Area, Northern Area, Southern Area, Urban Area
<i>Sidalcea neomexicana</i>	salt spring checkerbloom	None/None/2B.2	None	Chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub, playas; alkaline, mesic/perennial herb/Mar–June/50–5,020	Urban Area
<i>Sphaerocarpos drewiae</i>	bottle liverwort	None/None/1B.1	None	Chaparral, coastal scrub; openings/ephemeral liverwort/NA/295–1,970	Northern Area, Southern Area, Urban Area
<i>Sphenopholis interrupta</i> ssp. <i>californica</i>	prairie false oat	None/None/1B.1	None	Chaparral (coastal); clay/annual herb/Apr/50–50	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Stemodia durantifolia</i>	purple stemodia	None/None/2B.1	None	Sonoran desert scrub (often mesic, sandy)/perennial herb/(Jan)Apr–Dec/590–985	Eastern Area, Otay Lakes Cornerstone Lands, Southern Area, Urban Area
<i>Stipa diegoensis</i>	San Diego County needle grass	None/None/4.2	None	Chaparral, coastal scrub; mesic (often), rocky/perennial herb/Feb–June/35–2,625	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Streptanthus bernardinus</i>	Laguna Mountains jewelflower	None/None/4.3	None	Chaparral, lower montane coniferous forest/perennial herb/May–Aug/2,200–8,205	Eastern Area, Northern Area, Southern Area, Urban Area
<i>Stylocline citroleum</i>	oil neststraw	None/None/1B.1	None	Chenopod scrub, coastal scrub, valley and foothill grassland; clay/annual herb/Mar–Apr/165–1,310	Urban Area

Scientific Name	Common Name	Status (Federal/State/CRPR)	MSCP City Subarea Plan	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	MSCP Subarea Plan Planning Area
<i>Suaeda esteroa</i>	estuary seablite	None/None/1B.2	None	Marshes and swamps (coastal salt)/perennial herb/(Jan–May)July–Oct/0–15	Northern Area, Southern Area, Urban Area
<i>Suaeda taxifolia</i>	woolly seablite	None/None/4.2	None	Coastal bluff scrub, coastal dunes, marshes and swamps (coastal margins)/perennial evergreen shrub/Jan–Dec/0–165	Eastern Area, Cornerstone Lands, Northern Area, Urban Area
<i>Tetracoccus dioicus</i>	Parry's tetracoccus	None/None/1B.2	Covered	Chaparral, coastal scrub/perennial deciduous shrub/Apr–May/540–3,280	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Texosporium sancti-jacobi</i>	woven-spored lichen	None/None/3	None	Chaparral (openings)/crustose lichen (terricolous)/NA/195–2,165	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Thermopsis californica</i> var. <i>semota</i>	velvety false lupine	None/None/1B.2	None	Cismontane woodland, lower montane coniferous forest, meadows and seeps, valley and foothill grassland/perennial rhizomatous herb/Mar–June/3,280–6,135	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Tortula californica</i>	California screw moss	None/None/1B.2	None	Chenopod scrub, valley and foothill grassland; sandy/moss/NA/35–4,790	Southern Area
<i>Triquetrella californica</i>	coastal triquetrella	None/None/1B.2	None	Coastal bluff scrub, coastal scrub/moss/NA/35–330	San Vicente Cornerstone Lands
<i>Xanthisma junceum</i>	rush-like bristleweed	None/None/4.3	None	Chaparral, coastal scrub/perennial herb/Jan–Oct/785–3,280	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area

Notes: MSCP = Multiple Species Conservation Program; NA = not applicable.

Status Legend

Federal

FE: Federally listed as endangered

FT: Federally listed as threatened

State

SE: State listed as endangered

SR: State Rare

ST: State listed as threatened

CRPR: California Rare Plant Rank

1B: Plants Rare, Threatened, or Endangered in California and Elsewhere

2B: Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere

3: Plants About Which More Information is Needed - A Review List

4: Plants of Limited Distribution - A Watch List

Threat Rank

0.1 – Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)

0.2 – Moderately threatened in California (20%–80% occurrences threatened/moderate degree and immediacy of threat)

0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

MSCP Narrow Endemic:

Narrow endemic species are native species that have “restricted geographic distributions, soil affinities, and/or habitats.” The MSCP participants’ subarea plans have specific conservation measures to ensure impacts to narrow endemics are avoided to the maximum extent practicable.

Table 2
Special-Status Wildlife Species Potential Presence and Status

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
<i>Amphibians</i>					
<i>Anaxyrus californicus</i>	arroyo toad	FE/SSC	Covered	Semi-arid areas near washes, sandy riverbanks, riparian areas, palm oasis, Joshua tree, mixed chaparral and sagebrush; stream channels for breeding (typically third order); adjacent stream terraces and uplands for foraging and wintering	Cornerstone Lands, Marron Valley Cornerstone Land
<i>Spea hammondi</i>	western spadefoot	FPT/SSC	None	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley-foothill woodlands, pastures, and other agriculture	Eastern Area, Cornerstone Lands, Marron Valley Cornerstone Land, Northern Area, Otay Lakes Cornerstone Lands, San Vicente Cornerstone Lands, Southern Area, Urban Area
<i>Reptiles</i>					
<i>Actinemys pallida</i>	southwestern pond turtle	FPT/SSC	Covered	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	Cornerstone Lands
<i>Anniella stebbinsi</i>	southern California legless lizard	None/SSC	None	Coastal dunes, stabilized dunes, beaches, dry washes, valley-foothill, chaparral, and scrubs; pine, oak, and riparian woodlands; associated with	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
				sparse vegetation and moist sandy or loose, loamy soils	
<i>Arizona elegans occidentalis</i>	California glossy snake	None/SSC	None	Arid scrub, rocky washes, grasslands, chaparral, open areas with loose soil	Eastern Area, Cornerstone Lands, Northern Area, San Vicente Cornerstone Lands, Southern Area, Urban Area
<i>Aspidoscelis hyperythra</i>	orange-throated whiptail	None/WL	Covered	Low-elevation coastal scrub, chaparral, and valley-foothill hardwood	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Aspidoscelis tigris stejnegeri</i>	San Diegan tiger whiptail	None/SSC	None	Hot and dry areas with sparse foliage, including chaparral, woodland, and riparian areas.	Northern Area
<i>Chelonia mydas</i>	green sea turtle	FT/None	None	Shallow waters of lagoons, bays, estuaries, mangroves, eelgrass, and seaweed beds	Urban Area
<i>Coleonyx variegatus abbotti</i>	San Diego banded gecko	None/SSC	None	Rocky areas within coastal scrub and chaparral	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Crotalus ruber</i>	red diamondback rattlesnake	None/SSC	None	Coastal scrub, chaparral, oak and pine woodlands, rocky grasslands, cultivated areas, and desert flats	Eastern Area, Marron Valley Cornerstone Land, Northern Area, Otay Lakes Cornerstone Lands
<i>Diadophis punctatus similis</i>	San Diego ringneck snake	None/None	None	Moist habitats including wet meadows, rocky hillsides, gardens, farmland grassland, chaparral, mixed-conifer forest, and woodland habitats	Northern Area
<i>Masticophis fuliginosus</i>	Baja California coachwhip	None/SSC	None	In California restricted to southern San Diego County, where it is known from grassland and coastal sage	Otay Lakes Cornerstone Lands, Southern Area

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
				scrub; open areas in grassland and coastal sage scrub.	
<i>Phrynosoma blainvillii</i>	Blainville's horned lizard	None/SSC	Covered	Open areas of sandy soil in valleys, foothills, and semi-arid mountains including coastal scrub, chaparral, valley-foothill hardwood, conifer, riparian, pine-cypress, juniper, and annual grassland habitats	Cornerstone Lands, Northern Area, Otay Lakes Cornerstone Lands, San Vicente Cornerstone Lands, Southern Area, Urban Area
<i>Plestiodon skiltonianus interparietalis</i>	Coronado skink	None/WL	None	Woodlands, grasslands, pine forests, and chaparral; rocky areas near water	Northern Area, Southern Area
<i>Salvadora hexalepis virgultea</i>	coast patch-nosed snake	None/SSC	None	Brushy or shrubby vegetation; requires small mammal burrows for refuge and overwintering sites	Eastern Area
<i>Thamnophis hammondi</i>	two-striped gartersnake	None/SSC	None	Streams, creeks, pools, streams with rocky beds, ponds, lakes, vernal pools	Southern Area, Urban Area
<i>Thamnophis sirtalis</i> ssp. (Southern California coastal plain from Ventura County to San Diego County, and from sea level to about 850 meters)	south coast garter snake	None/SSC	None	Marsh and upland habitats near permanent water and riparian vegetation	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Birds</i>					
<i>Accipiter cooperii</i> (nesting)	Cooper's hawk	None/WL	Covered	Nests and forages in dense stands of live oak, riparian	Northern Area, Southern Area, Urban Area

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
				woodlands, or other woodland habitats often near water	
<i>Agelaius tricolor</i> (nesting colony)	tricolored blackbird	BCC/SSC, ST	Covered	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberry; forages in grasslands, woodland, and agriculture	Cornerstone Lands, Otay Lakes Cornerstone Lands, Southern Area, Urban Area
<i>Aimophila ruficeps canescens</i>	Southern California rufous-crowned sparrow	None/WL	Covered	Nests and forages in open coastal scrub and chaparral with low cover of scattered scrub interspersed with rocky and grassy patches	Eastern Area, Cornerstone Lands, Northern Area, Urban Area
<i>Ammodramus savannarum</i> (nesting)	grasshopper sparrow	None/SSC	None	Nests and forages in moderately open grassland with tall forbs or scattered shrubs used for perches	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Aquila chrysaetos</i> (nesting and wintering)	golden eagle	None/FP, WL	Covered	Nests and winters in hilly, open/semi-open areas, including shrublands, grasslands, pastures, riparian areas, mountainous canyon land, open desert rimrock terrain; nests in large trees and on cliffs in open areas and forages in open habitats	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Artemisiospiza belli belli</i>	Bell's sage sparrow	None/WL	None	Nests and forages in coastal scrub and dry chaparral; typically in large, unfragmented patches dominated by chamise; nests in more dense patches but uses more open habitat in winter	Cornerstone Lands, Northern Area

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
<i>Athene cunicularia</i> (burrow sites and some wintering sites)	burrowing owl	BCC/SSC, SCE	Covered	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	Northern Area, Southern Area, Urban Area
<i>Buteo swainsoni</i> (nesting)	Swainson's hawk	None/ST	Covered	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture	Cornerstone Lands, Urban Area
<i>Campylorhynchus brunneicapillus sandiegensis</i> (San Diego and Orange Counties only)	coastal cactus wren	None/SSC	Covered	Southern cactus scrub patches	Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Charadrius nivosus nivosus</i> (nesting)	western snowy plover	FT, BCC/SSC	Covered	On coasts nests on sandy marine and estuarine shores; in the interior nests on sandy, barren or sparsely vegetated flats near saline or alkaline lakes, reservoirs, and ponds	Northern Area, Southern Area, Urban Area
<i>Circus hudsonius</i> (nesting)	northern harrier	BCC/SSC	Covered	Nests in open wetlands (marshy meadows, wet lightly grazed pastures, old fields, freshwater and brackish marshes); also in drier habitats (grassland and grain fields); forages in grassland, scrubs, rangelands, emergent wetlands, and other open habitats	Southern Area

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
<i>Coccyzus americanus occidentalis</i> (nesting)	western yellow-billed cuckoo	FT/SE	None	Nests in dense, wide riparian woodlands and forest with well-developed understories	Urban Area, Otay Lakes Cornerstone Lands
<i>Coturnicops noveboracensis</i>	yellow rail	BCC/SSC	None	Nesting requires wet marsh/sedge meadows or coastal marshes with wet soil and shallow, standing water	Urban Area
<i>Elanus leucurus</i> (nesting)	white-tailed kite	None/FP	None	Nests in woodland, riparian, and individual trees near open lands; forages opportunistically in grassland, meadows, scrubs, agriculture, emergent wetland, savanna, and disturbed lands	Northern Area
<i>Empidonax traillii extimus</i> (nesting)	southwestern willow flycatcher	FE/SE	Covered	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration	Cornerstone Lands
<i>Eremophila alpestris actia</i>	California horned lark	None/WL	None	Occurs on the state's southern and central coastal slope and in the San Joaquin Valley; nests and forages in grasslands, disturbed lands, agriculture, and beaches	Northern Area, Southern Area
<i>Falco mexicanus</i> (nesting)	prairie falcon	None/WL	None	Forages in grassland, savanna, rangeland, agriculture, desert scrub, alpine meadows; nest on cliffs or bluffs	Urban Area
<i>Falco peregrinus anatum</i> (nesting)	American peregrine falcon	None/None	Covered	Nests on cliffs, buildings, and bridges; forages in wetlands, riparian, meadows, croplands,	None; records of this species occur in the query buffer area adjacent to MSCP subareas

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
				especially where waterfowl are present	
<i>Icteria virens</i> (nesting)	yellow-breasted chat	None/SSC	None	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Ixobrychus exilis</i> (nesting)	least bittern	None/SSC	None	Nests in freshwater and brackish marshes with dense, tall growth of aquatic and semi-aquatic vegetation	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Laterallus jamaicensis coturniculus</i>	California black rail	None/FP, ST	None	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations	Northern Area, Urban Area
<i>Pandion haliaetus</i> (nesting)	osprey	BCC/WL	None	Large waters (lakes, reservoirs, rivers) supporting fish; usually near forest habitats, but widely observed along the coast	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Passerculus sandwichensis beldingi</i>	Belding's savannah sparrow	BCC/SE	Covered	Nests and forages in coastal saltmarsh dominated by pickleweed (<i>Salicornia</i> spp.)	Northern Area, Southern Area, Urban Area
<i>Pelecanus occidentalis californicus</i> (nesting colonies and communal roosts)	California brown pelican	None/None	Covered	Forages in warm coastal marine and estuarine environments; in California, nests on dry, rocky offshore islands	Urban Area
<i>Plegadis chihi</i> (nesting colony)	white-faced ibis	None/WL	Covered	Nests in shallow marshes with areas of emergent vegetation;	None; records of this species occur in the query buffer

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
				winter foraging in shallow lacustrine waters, flooded agricultural fields, muddy ground of wet meadows, marshes, ponds, lakes, rivers, flooded fields, and estuaries	area adjacent to MSCP subareas
<i>Polioptila californica californica</i>	coastal California gnatcatcher	FT/SSC	Covered	Nests and forages in various sage scrub communities, often dominated by California sagebrush and buckwheat; generally avoids nesting in areas with a slope of greater than 40%; majority of nesting at less than 1,000 feet above mean sea level	Cornerstone Lands, Northern Area, Urban Area, Eastern Area, Southern Area, San Vicente Cornerstone Lands
<i>Pyrocephalus rubinus</i> (nesting)	vermillion flycatcher	None/SSC	None	Nests in riparian woodlands, riparian scrub, and freshwater marshes; typical desert riparian with cottonwood, willow, mesquite adjacent to irrigated fields, ditches, or pastures	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Rallus obsoletus levipes</i>	light-footed Ridgway's rail	FE/FP, SE	Covered	Coastal wetlands, brackish areas, coastal saline emergent wetlands	Northern Area, Southern Area, Urban Area
<i>Riparia riparia</i> (nesting)	bank swallow	None/ST	None	Nests in riparian, lacustrine, and coastal areas with vertical banks, bluffs, and cliffs with sandy soils; open country and water during migration	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Setophaga petechia</i> (nesting)	yellow warbler	None/SSC	None	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats	Eastern Area, Southern Area

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
<i>Sternula antillarum browni</i> (nesting colony)	California least tern	FE/FP, SE	Covered	Forages in shallow estuaries and lagoons; nests on sandy beaches or exposed tidal flats	Northern Area, Southern Area, Urban Area
<i>Vireo bellii pusillus</i> (nesting)	least Bell's vireo	FE/SE	Covered	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season	Eastern Area, Cornerstone Lands, Marron Valley Cornerstone Land, Northern Area, Southern Area, Urban Area
<i>Nannopterum auritum</i> (nesting colony)	double-crested cormorant	None/WL	None	Nests in riparian trees near ponds, lakes, artificial impoundments, slow-moving rivers, lagoons, estuaries, and open coastlines; winter habitat includes lakes, rivers, and coastal areas	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Fish</i>					
<i>Eucyclogobius newberryi</i>	tidewater goby	FE/None	None	Brackish water habitats along the California coast from Agua Hedionda Lagoon, San Diego County, to the mouth of the Smith River	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Gila orcuttii</i>	arroyo chub	None/SSC	None	Warm, fluctuating streams with slow-moving or backwater sections of warm to cool streams at depths greater than 40 centimeters (16 inches); substrates of sand or mud	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Oncorhynchus mykiss irideus</i> pop. 10	southern steelhead - southern California DPS	FE/SE	None	Clean, clear, cool, well-oxygenated streams; needs relatively deep pools in migration and gravelly substrate to spawn	Southern Area

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
<i>Mammals</i>					
<i>Aeorestes cinereus</i> (Formerly <i>Lasiurus cinereus</i>)	northern hoary bat	None/None	None	Forest, woodland riparian, and wetland habitats; also juniper scrub, riparian forest, and desert scrub in arid areas; roosts in tree foliage and sometimes cavities, such as woodpecker holes	Eastern Area, Cornerstone Lands, Marron Valley Cornerstone Land, Northern Area, Urban Area
<i>Antrozous pallidus</i>	pallid bat	None/SSC	None	Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for roosting, but also roosts in human-made structures and trees	Cornerstone Lands, Marron Valley Cornerstone Land, Southern Area
<i>Chaetodipus californicus femoralis</i>	Dulzura pocket mouse	None/None	None	Open habitat, coastal scrub, chaparral, oak woodland, chamise chaparral, mixed-conifer habitats; disturbance specialist; 0 to 3,000 feet above mean sea level	Eastern Area, Cornerstone Lands
<i>Chaetodipus fallax fallax</i>	northwestern San Diego pocket mouse	None/None	None	Coastal scrub, mixed chaparral, sagebrush, desert wash, desert scrub, desert succulent shrub, pinyon-juniper, and annual grassland	Eastern Area, Cornerstone Lands, Northern Area, Southern Area, Urban Area
<i>Choeronycteris mexicana</i>	Mexican long-tongued bat	None/SSC	None	Desert and montane riparian, desert succulent scrub, desert scrub, and pinyon-juniper woodland; roosts in caves, mines, and buildings	Urban Area
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	None/SSC	None	Mesic habitats characterized by coniferous and deciduous forests and riparian habitat, but	Marron Valley Cornerstone Land

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
				also xeric areas; roosts in limestone caves and lava tubes, human-made structures, and tunnels	
<i>Dasypterus xanthinus</i> (Formerly <i>Lasiurus xanthinus</i>)	western yellow bat	None/SSC	None	Valley-foothill riparian, desert riparian, desert wash, and palm oasis habitats; below 2,000 feet above mean sea level; roosts in riparian and palms	Urban Area
<i>Dipodomys stephensi</i>	Stephens' kangaroo rat	FT/ST	None	Annual and perennial grassland habitats, coastal scrub or sagebrush with sparse canopy cover, or in disturbed areas	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Euderma maculatum</i>	spotted bat	None/SSC	None	Foothills, mountains, desert regions of southern California, including arid deserts, grasslands, and mixed-conifer forests; roosts in rock crevices and cliffs; feeds over water and along washes	Northern Area
<i>Eumops perotis californicus</i>	western mastiff bat	None/SSC	None	Chaparral, coastal and desert scrub, coniferous and deciduous forest and woodland; roosts in crevices in rocky canyons and cliffs where the canyon or cliff is vertical or nearly vertical, trees, and tunnels	Eastern Area, Cornerstone Lands, Marron Valley Cornerstone Land, Northern Area, Urban Area
<i>Lasiurus frantzii</i>	western red bat	None/SSC	None	Forest, woodland, riparian, mesquite bosque, and orchards, including fig, apricot, peach, pear, almond, walnut, and orange; roosts in tree canopy	Eastern Area, Cornerstone Lands, Marron Valley Cornerstone Land, Northern Area, Urban Area

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<i>Lasionycteris noctivagans</i>	silver-haired bat	None/None	None	Old-growth forest, maternity roosts in trees, large snags 50 feet aboveground; hibernates in hollow trees, rock crevices, buildings, mines, caves, and under sloughing bark; forages in or near coniferous or mixed deciduous forest, stream or river drainages	Urban Area
<i>Leptonycteris yerbabuenae</i>	lesser long-nosed bat	FPD/SSC	None	Sonoran desert scrub, semi-desert grasslands, lower oak woodlands	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit	None/None	None	Arid habitats with open ground; grasslands, coastal scrub, agriculture, disturbed areas, and rangelands	Eastern Area, Northern Area, Otay Lakes Cornerstone Lands, Southern Area
<i>Macrotus californicus</i>	Californian leaf-nosed bat	None/SSC	None	Riparian woodlands, desert wash, desert scrub; roosts in mines and caves, occasionally buildings	Marron Valley Cornerstone Land
<i>Myotis ciliolabrum</i>	western small-footed myotis	None/None	None	Arid woodlands and shrublands, but near water; roosts in caves, crevices, mines, abandoned buildings	Marron Valley Cornerstone Land
<i>Myotis evotis</i>	long-eared myotis	None/None	None	Brush, woodland, and forest habitats from sea level to 9,000 feet above mean sea level; prefers coniferous habitats; forages along habitat edges, in open habitats, and over water; roosts in buildings, crevices,	Cornerstone Lands

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
				under bark, and snags; uses caves as night roosts	
<i>Myotis yumanensis</i>	Yuma myotis	None/None	None	Riparian, arid scrublands and deserts, and forests associated with water (streams, rivers, tinajas); roosts in bridges, buildings, cliff crevices, caves, mines, and trees	Eastern Area, Cornerstone Lands, Marron Valley Cornerstone Land, Northern Area, Otay Lakes Cornerstone Lands, Urban Area
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	None/SSC	None	Coastal scrub, desert scrub, chaparral, cacti, rocky areas	Eastern Area, Northern Area, Southern Area, Urban Area
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat	None/SSC	None	Pinyon–juniper woodlands, desert scrub, desert succulent shrub, desert riparian, desert wash, alkali desert scrub, Joshua tree, and palm oases; roosts in high cliffs or rock outcrops with drop-offs, caverns, and buildings	Eastern Area, Cornerstone Lands, Marron Valley Cornerstone Land, Urban Area
<i>Nyctinomops macrotis</i>	big free-tailed bat	None/SSC	None	Rocky areas; roosts in caves, holes in trees, buildings, and crevices on cliffs and rocky outcrops; forages over water	Eastern Area, Marron Valley Cornerstone Land, Northern Area, Urban Area
<i>Perognathus longimembris pacificus</i>	Pacific pocket mouse	FE/SSC	None	Fine-grained sandy substrates in open coastal strand, coastal dunes, and river alluvium	Northern Area, Southern Area
<i>Puma concolor</i>	mountain lion - Southern California/Central Coast ESU	None/SC	None	Scrubs, chaparral, riparian, woodland, and forest; rests in rocky areas and on cliffs and ledges that provide cover; most abundant in riparian areas and brushy stages of most habitats	None; records of this species occur in the query buffer area adjacent to MSCP subareas

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
				throughout California, except deserts	
<i>Taxidea taxus</i>	American badger	None/SSC	Covered	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	Marron Valley Cornerstone Land, Urban Area
<i>Invertebrates</i>					
<i>Bombus crotchii</i>	Crotch bumble bee	None/SCE	None	Open grassland and scrub communities supporting suitable floral resources	Eastern Area, Cornerstone Lands, Northern Area, Otay Lakes Cornerstone Lands, Southern Area, Urban Area
<i>Branchinecta sandiegonensis</i>	San Diego fairy shrimp	FE/None	Covered	Vernal pools, non-vegetated ephemeral pools	Eastern Area, Marron Valley Cornerstone Land, Northern Area, Otay Lakes Cornerstone Lands, Southern Area, Urban Area
<i>Callophrys thornei</i>	Thorne's hairstreak	None/None	Covered	Interior cypress woodland dominated by host plant <i>Hesperocyparis forbesii</i> (Tecate cypress)	Southern Area
<i>Carolella busckana</i> (Formerly <i>Eugnosta busckana</i>)	Busck's gallmoth	None/None	None	Coastal scrub dunes	Northern Area, Southern Area, Urban Area
<i>Cicindela hirticollis gravida</i>	sandy beach tiger beetle	None/None	None	Inhabits areas adjacent to non-brackish water along the coast of California from San Francisco Bay to northern Mexico	Urban Area
<i>Cicindela latesignata</i>	western beach tiger beetle	None/None	None	Mudflats and beaches in coastal Southern California	Northern Area, Urban Area

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
<i>Cicindela senilis frosti</i>	senile tiger beetle	None/None	None	Inhabits marine shoreline, from Central California coast south to saltmarshes of San Diego; also found at Lake Elsinore	None; records of this species occur in the query buffer area adjacent to MSCP subareas
<i>Coelus globosus</i>	globose dune beetle	None/None	None	Inhabitant of coastal sand dune habitat; erratically distributed from Ten Mile Creek in Mendocino County south to Ensenada, Mexico	Northern Area
<i>Danaus plexippus plexippus</i> pop. 1	monarch - California overwintering population	FPT/None	None	Wind-protected tree groves with nectar sources and nearby water sources	Northern Area, Urban Area
<i>Deltaspis ivae</i>	marsh-elder long-horned beetle	None/None	None	Found in a few scattered locations in San Diego and Riverside Counties; larva breeds in San Diego marsh-elder (<i>Iva hayesiana</i>) root collars	Otay Lakes Cornerstone Lands
<i>Euphydryas editha quino</i>	quino checkerspot butterfly	FE/None	None	Annual forblands, grassland, open coastal scrub and chaparral; often soils with cryptogamic crusts and fine-textured clay; host plants include <i>Plantago erecta</i> , <i>P. patagonica</i> , and <i>Antirrhinum coulterianum</i> , among others	Urban Area, Eastern Area, Marron Valley Cornerstone Land, Otay Lakes Cornerstone Lands, San Vicente Cornerstone Lands, Southern Area
<i>Habroscelimorpha gabbii</i>	Western tidal-flat tiger beetle	None/None	None	Inhabits estuaries and mudflats along the coast of Southern California; generally found on dark-colored mud in the lower zone; occasionally found on dry saline flats of estuaries	Southern Area, Urban Area

Scientific Name	Common Name	Status (Federal/State)	MSCP City Subarea Plan	Habitat	MSCP Subarea Plan Planning Area
<i>Helminthoglypta coelata</i>	mesa shoulderband	None/None	None	Known only from a few locations in coastal San Diego County	Urban Area
<i>Lycaena hermes</i>	Hermes copper	FT/None	None	Mixed woodlands, chaparral, and coastal scrub	Eastern Area
<i>Melitta californica</i>	California mellitid bee	None/None	None	Desert regions of southwestern Arizona, southeastern California, and Baja California, Mexico; also collected from Torrey Pines, San Diego County	Northern Area
<i>Panoquina errans</i>	wandering skipper	None/None	Covered	Saltmarsh	Urban Area
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp	FE/None	Covered	Vernal pools, non-vegetated ephemeral pools	Southern Area
<i>Tryonia imitator</i>	mimic tryonia (=California brackishwater snail)	None/None	None	Inhabits coastal lagoons, estuaries, and saltmarshes, from Sonoma County south to San Diego County	Northern Area, Southern Area, Urban Area

Notes: MSCP = Multiple Species Conservation Program.

Status Legend

Federal

BCC: U.S. Fish and Wildlife Service Bird of Conservation Concern

FC: Federal candidate species (former Category 1 candidates)

FE: Federally listed as endangered

FPD: Federally proposed for delisting

FPT: Federally proposed for listing as threatened

FT: Federally listed as threatened

State

FP: California Fully Protected Species

SC: State candidate for listing as threatened or endangered

SCE: State candidate for listing as endangered

SE: State listed as endangered
SSC: California Species of Special Concern
ST: State listed as threatened
WL: California Watch List Species