

# **APPENDIX C**

## **Biological Sensitive Species List**



# Appendix C Biological Sensitive Species Lists

**Table C-1 Special Status Plant Species Reported or Potentially Occurring within the General Plan Update Boundary**

Common Name	Scientific Name	Federal Status <sup>(1)</sup>	State Status <sup>(2)</sup>	CNPS List <sup>(3)</sup>	MHCP Status	Habitat Associations
<b>Angiosperms - Monocotyledons</b>						
Orcutt's brodiaea	<i>Brodiaea orcuttii</i>			1B.1		Vernal pools, valley and foothill grassland, closed-cone coniferous forest, cismontane woodland, chaparral, meadows.
San Diego goldenstar	<i>Muilla clevelandii</i>			1B.1	Narrow endemic	Chaparral, coastal scrub, valley and foothill grassland, vernal pools.
thread-leaved brodiaea	<i>Brodiaea filifolia</i>	FT	SE	1B.1	Narrow endemic	Cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools.
<b>Angiosperms - Dicotyledons</b>						
beach goldenaster	<i>Heterotheca sessiliflora</i> ssp. <i>sessiliflora</i>			1B.1		Coastal dunes, coastal scrub, chaparral (coastal).
California adolphia	<i>Adolphia californica</i>			2.1		Chaparral, coastal sage scrub, valley and foothill grassland.
coast woolly heads	<i>Nemacaulis denudata</i> var. <i>denudata</i>			1B.2		Coastal dunes.
Coulter's saltbush	<i>Atriplex coulteri</i>			1B.2		Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland.
decumbent goldenbush	<i>Isocoma menziesii</i> var. <i>decumbens</i>			1B.2		Coastal scrub.
delicate clarkia	<i>Clarkia delicata</i>			1B.2		Cismontane woodland, chaparral.
Del Mar manzanita	<i>Arctostaphylos glandulosa</i> ssp. <i>crassifolia</i>	FE		1B.1	Narrow endemic, Covered	Chaparral, closed-cone coniferous forest.
Del Mar Mesa sand aster	<i>Corethrogyne filaginifolia</i> var. <i>linifolia</i>			1B.1	Narrow endemic, Covered	Chaparral, coastal scrub.
dwarf burr (San Diego) ambrosia	<i>Ambrosia pumila</i>	FE		1B.1	Narrow endemic, Covered	Chaparral, coastal scrub, valley and foothill grassland.
Encinitas baccharis	<i>Baccharis vanessae</i>	FT	SE	1B.1	Narrow endemic, Covered	Chaparral.
Engelmann oak	<i>Quercus engelmannii</i>			4.2	Covered	Chaparral, coast live oak woodland, grassland.
felt-leaved monardella	<i>Monardella hypoleuca</i> ssp. <i>lanata</i>			1B.2		Chaparral, cismontane woodland.

Common Name	Scientific Name	Federal Status <sup>(1)</sup>	State Status <sup>(2)</sup>	CNPS List <sup>(3)</sup>	MHCP Status	Habitat Associations
little mouseltail	<i>Myosurus minimus</i> ssp. <i>apus</i>			3.1	Wetland community obligate, Narrow endemic, Covered	Vernal pools.
Moran's navarretia	<i>Navarretia fossalis</i>	FT		1B.1		Vernal pools, chenopod scrub, marshes and swamps, playas.
Nuttall's scrub oak	<i>Quercus dumosa</i>			1B.1	Covered	Closed-cone coniferous forest, chaparral, coastal scrub.
Orcutt's hazardia	<i>Hazardia orcuttii</i>	FC	ST	1B.1	Narrow endemic, Covered	Chaparral, coastal scrub.
Orcutt's spineflower	<i>Chorizanthe orcuttiana</i>	FE	SE	1B.1	Narrow endemic, Covered	Coastal scrub, chaparral, closed-cone coniferous forest.
Palmer's goldenbush	<i>Ericameria palmeri</i> ssp. <i>palmeri</i>			1B.1		Coastal scrub, chaparral.
Palmer's grapplinghook	<i>Harpagonella palmeri</i>			4.2		Grasslands, Diegan Sage Scrub.
Parish's brittlescale	<i>Atriplex parishii</i>			1B.1		Alkali meadows, vernal pools, chenopod scrub, playas.
Parry's tetracoccus	<i>Tetracoccus dioicus</i>			1B.2	Covered	Chaparral, coastal scrub.
purple stemodia	<i>Stemodia durantifolia</i>			2.1		Sonoran desert scrub.
Rainbow manzanita	<i>Arctostaphylos rainbowensis</i>			1B.1		Chaparral.
Ramona horkelia	<i>Horkelia truncata</i>			1B.3		Chaparral, cismontane woodland.
Robinson's pepper-grass	<i>Lepidium virginicum</i> var. <i>robinsonii</i>			1B.2		Chaparral, coastal scrub.
round-leaved filaree	<i>California macrophylla</i>			1B.1		Cismontane woodland, valley and foothill grassland.
San Diego barrel cactus	<i>Ferocactus viridescens</i>			2.1	Covered	Chapparral, Diegan coastal scrub, valley and foothill grassland.
San Diego button-celery	<i>Eryngium aristulatum</i> var. <i>parishii</i>	FE	SE	1B.1	Wetland community obligate, Narrow endemic	Vernal pools, coastal scrub, valley and foothill grassland.
San Diego marsh-elder	<i>Iva hayesiana</i>			2.2	Covered	Marshes and swamps, playas.
San Diego milk-vetch	<i>Astragalus oocarpus</i>			1B.2		Chaparral, cismontane woodland, meadows.
San Diego sagewort	<i>Artemisia palmeri</i>			4.2		Riparian, wetland, adjacent uplands.
San Diego thorn-mint	<i>Acanthomintha ilicifolia</i>	FT	SE	1B.1	Narrow endemic, Covered	Chaparral, coastal scrub, valley and foothill grassland, vernal pools.
sea dahlia	<i>Leptosyne maritima</i>			2.2		Coastal scrub, coastal bluff scrub.

Common Name	Scientific Name	Federal Status <sup>(1)</sup>	State Status <sup>(2)</sup>	CNPS List <sup>(3)</sup>	MHCP Status	Habitat Associations
smooth tarplant	<i>Centromadia pungens</i> ssp. <i>laevis</i>			1B.1		Valley and foothill grassland, chenopod scrub, meadows, playas, riparian woodland.
southern tarplant	<i>Centromadia parryi</i> ssp. <i>australis</i>			1B.1		Marshes and swamps (margins), valley and foothill grassland.
sticky dudleya	<i>Dudleya viscida</i>			1B.2		Coastal scrub, coastal bluff scrub, chaparral.
summer holly	<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i>			1B.2	Covered	Chaparral.
variegated dudleya	<i>Dudleya variegata</i>			1B.2	Narrow endemic	Chaparral, coastal scrub, cismontane woodland, valley and foothill grassland.
wart-stemmed ceanothus	<i>Ceanothus verrucosus</i>			2.2	Covered	Chaparral.

<sup>(1)</sup> **Federal Status** – FE = Federally Endangered; FT = Federally Threatened; FC = Candidate for federal listing; FD = Delisted

<sup>(2)</sup> **State Status** – SE = State Endangered; ST = State Threatened

<sup>(3)</sup> **CNPS** – 1A = Plants presumed extinct in California; 1B = Plants rare, threatened, or endangered in California and elsewhere;

2 = Plants rare, threatened, or endangered in California, but more common elsewhere; 3 = Plants in need of more

information; 4 = Plants of limited distribution. x.1 = Seriously endangered in California (>80% of occurrences threatened or high degree and immediacy of threat). x.2 = Fairly endangered in California (20-80% of occurrences threatened).

x.3 = Not very endangered in California (<20% of occurrences threatened or no current threats known)

Source: CNDDDB 2011, SANDAG 2003; USFWS 2011; CDFG 2011; City of Escondido 2001

**Table C-2 Special Status Wildlife Species Reported or Potentially Occurring within the General Plan Update Boundary**

Common Name	Scientific Name	Federal Status <sup>(1)</sup>	State Status <sup>(2)</sup>	MHCP Status	Habitat
<b>INVERTEBRATES</b>					
<b>Crustaceans</b>					
San Diego fairy shrimp	<i>Branchinecta sandiegonensis</i>	FE		Wetland community obligate, Narrow endemic	Vernal pools.
<b>Insects</b>					
Hermes copper butterfly	<i>Lycaena hermes</i>				Found in southern mixed chaparral and coastal sage scrub at western edge of Laguna mountains.
Harbison's dun skipper	<i>Euphyes vestries harbisoni</i>			Narrow endemic, Covered	Riparian woodland, riparian scrub, oak woodland.
Monarch butterfly	<i>Danaus plexippus</i>				Roosts located in wind-protected tree groves, such as eucalyptus, Monterey pine, and cypress trees where nectar and water sources are available.
Quino Checkerspot	<i>Euphydryas editha quino</i>	FE			Coastal sage scrub, vernal pools, native grassland
<b>Mollusks</b>					
Mimic tryonia (=California brackishwater snail)	<i>Tryonia imitator</i>				Inhabits coastal lagoons, estuaries, and salt marshes.
<b>AMPHIBIANS</b>					
Arroyo toad	<i>Anaxyrus californicus</i>	FE	SCC		Semi-arid regions near washes, rivers, or intermittent streams, including valley-foothill and desert riparian areas and desert washes.
California red-legged frog	<i>Rana draytonii</i>	FT	SCC		Aquatic, riparian
Western spadefoot toad	<i>Spea hammondi</i>	BLMS	SSC	Covered	Occurs primarily in ponds located in grassland habitats, but can be found in valley-foothill hardwood woodlands.
<b>REPTILES</b>					
Coast (San Diego) horned lizard	<i>Phrynosoma coronatum</i> (blainvillii population)	BLMS, FS	SCC		Inhabits coastal sage scrub and chaparral in arid and semi-arid climate conditions.
Coast patch-nosed snake	<i>Salvadora hexalepis virgulata</i>		SSC		Brushy or shrubby vegetation in coastal southern California.
Coastal western whiptail	<i>Aspidoscelis tigris stejnegeri</i>				Found in deserts and semiarid areas with sparse vegetation and open areas and in woodland and riparian areas.

Common Name	Scientific Name	Federal Status <sup>(1)</sup>	State Status <sup>(2)</sup>	MHCP Status	Habitat
Coronado island skink	<i>Plestiodon skiltonianus interparietalis</i>	BLMS	SSC		Found in grassland, chaparral, pinyon-juniper and juniper sage woodland, and pine-oak and pine forests.
Northern red-diamond rattlesnake	<i>Crotalus ruber ruber</i>		SSC		Found in chaparral, woodland, grassland, and desert areas from coastal San Diego County to the eastern slopes of the mountains.
Orange-throated whiptail	<i>Aspidoscelis hyperythra</i>		SSC	Covered	Inhabits low-elevation coastal scrub, chaparral, and valley-foothill hardwood habitats.
Rosy boa	<i>Charina trivirgata</i>	FS			Found in desert and chaparral habitats from the coast to the Mojave. Prefers moderate to dense vegetation and rocky cover.
San Diego horned lizard	<i>Phrynosoma coronatum blainvillei</i>	FC	SSC		Coastal sage scrub, chaparral
Southwestern pond turtle	<i>Actinemys marmorata pallida</i>		SSC	Wetland community obligate, Covered	Inhabits permanent or nearly permanent bodies of water in many habitat types below 6,000 feet.
Two-striped garter snake	<i>Thamnophis hammondi</i>	BLMS, FS	SSC		Found in or near permanent fresh water and often along streams with rocky beds and riparian growth.
Western pond turtle	<i>Emys marmorato</i>	BLMS, FS	SSC		Found in or near permanent or intermittent fresh water
<b>BIRDS</b>					
Belding's savannah sparrow	<i>Passerculus sandwichensis beldingi</i>		SE	Wetland community obligate, Covered	Inhabits coastal salt marshes.
Bell's sage sparrow	<i>Amphispiza belli belli</i>	BCC	WL	Covered	Nests in chaparral dominated by fairly dense stands of chamise. Found in coastal sage scrub in south of range.
Burrowing owl	<i>Athene cunicularia</i>	BLMS, BCC	SSC		Open, dry annual, or perennial grasslands, deserts and scrublands characterized by low-growing vegetation.
California black rail	<i>Laterallus jamaicensis coturniculus</i>	BCC	ST, SFP		Inhabits freshwater marshes, wet meadows, and shallow margins of saltwater marshes bordering larger bays.
California least tern	<i>Sternula antillarum browni</i>	FE	SE, SFP	Covered	Nests along the coast on bare or sparsely vegetated, flat substrates, such as sand beaches, alkali flats, land fills, or paved areas.
Coastal cactus wren	<i>Campylorhynchus brunneicapillus sandiegensis</i>	FS, BCC	SSC	Narrow endemic, Covered	Coastal sage scrub with tall <i>Opuntia</i> cactus for nesting and roosting.

APPENDIX C BIOLOGICAL SENSITIVE SPECIES LISTS

Common Name	Scientific Name	Federal Status <sup>(1)</sup>	State Status <sup>(2)</sup>	MHCP Status	Habitat
Coastal California gnatcatcher	<i>Polioptila californica californica</i>	FT	SSC	Covered	Low, coastal sage scrub in arid washes, on mesas, and on slopes.
Cooper's hawk	<i>Accipiter cooperii</i>		WL	Covered	Open, interrupted, or marginal type woodland. Nest sites mainly found in riparian growths of deciduous trees in canyon bottoms on river flood-plains.
Golden eagle	<i>Aquila chrysaetos</i>	BCC	SFP, WL		Rolling foothills, mountain areas, sage-juniper flats, and desert.
Grasshopper sparrow	<i>Ammodramus savannarum</i>		SSC		Favors native grasslands with a mix of grasses, forbs, and scattered shrubs.
Least Bell's vireo	<i>Vireo bellii pusillus</i>	FE	SE	Wetland community obligate, Covered	Summer resident of southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft.
Light-footed clapper rail	<i>Rallus longirostris levipes</i>	FE	SE, SFP	Wetland community obligate, Covered	Salt marsh.
Long-billed curlew	<i>Numenius americanus</i>	BCC	WL		Salt marsh, mudflats, grassland, fallow agriculture
Northern harrier	<i>Circus cyaneus</i>		SSC		Coastal salt and fresh-water marsh. Nest and forage in grasslands, from salt grass in desert sink to mountain marshes.
Osprey	<i>Pandion haliaetus</i>		WL	Wetland community obligate, Covered	Ocean shore, bays, fresh-water lakes, and larger streams.
Southern California rufous-crowned sparrow	<i>Aimophila ruficeps canescens</i>		WL	Covered	Found in coastal sage scrub and sparse mixed chaparral.
Southwestern willow flycatcher	<i>Empidonax traillii extimus</i>	FE	SE	Wetland community obligate, Covered	Riparian woodlands.
Tricolored blackbird	<i>Agelaius tricolor</i>	BLMS, BCC	SSC		Requires open water, protected nesting substrate, and foraging area with available insect prey.
Western bluebird	<i>Sialia Mexicana</i>	FT	SSC	Covered	Oak woodland (edges), grassland
Western snowy plover	<i>Charadrius alexandrinus nivosus</i>	FT, BCC	SSC	Covered	Sandy beaches, salt pond levees, and shores of large alkali lakes.
White-faced ibis	<i>Plegadis chihi</i>		WL	Wetland community obligate, Covered	Shallow fresh-water marsh.
Yellow-breasted chat	<i>Icteria virens</i>		SSC	Wetland community obligate, Covered	Summer resident that inhabits riparian thickets of willow and other brushy tangles near watercourses.

Common Name	Scientific Name	Federal Status <sup>(1)</sup>	State Status <sup>(2)</sup>	MHCP Status	Habitat
<b>MAMMALS</b>					
American badger	<i>Taxidea taxus</i>		SSC		Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils.
Big free-tailed bat	<i>Nyctinomops macrotis</i>		SSC		Low-lying arid areas in southern California.
Dulzura pocket mouse	<i>Chaetodipus californicus femoralis</i>		SSC		Found in coastal scrub, chaparral, and grasslands.
Hoary bat	<i>Lasiurus cinereus</i>				Prefers open habitats or habitat mosaics, with access to trees for cover and open areas or habitat edges for feeding. Roosts in dense foliage of medium to large trees.
Long-eared myotis	<i>Myotis evotis</i>	BLMS			Coniferous forest and woodland; rivers, streams, and ponds within the forest-woodland environment
Mountain lion	<i>Felis concolor</i>		SFP	Covered	Coastal sage scrub, chaparral, riparian woodland
Northwestern San Diego pocket mouse	<i>Chaetodipus fallax fallax</i>		SSC	Covered	Found in coastal scrub, chaparral, grasslands, and sagebrush.
Pacific pocket mouse	<i>Perognathus longimembris pacificus</i>	FE	SSC	Narrow endemic	Found within 4 km of the coast on fine-grained sandy substrates in coastal sage scrub, coastal strand, and river alluvium.
Pallid bat	<i>Antrozous pallidus</i>	BLMS, FS	SSC		Found in deserts, grasslands, shrublands, woodlands, and forests. Most common in open, dry habitats with rocky areas for roosting.
Pocketed free-tailed bat	<i>Nyctinomops femorosaccus</i>		SSC		Variety of arid areas in southern California including pine-juniper woodlands, desert scrub, palm oasis, desert washes, and desert riparian.
San Diego black-tailed jackrabbit	<i>Lepus californicus bennettii</i>		SSC	Covered	Found in coastal sage scrub with intermediate canopy stages of shrub habitats and open shrub / herbaceous and tree / herbaceous edges.
San Diego desert woodrat	<i>Neotoma lepida intermedia</i>		SSC		Moderate to dense canopies of coastal scrub. Abundant in rock outcrops, rocky cliffs, and slopes.
Silver-haired bat	<i>Lasionycteris noctivagans</i>				Forages in or near coniferous and/or mixed deciduous forests adjacent to ponds or other sources of water

Common Name	Scientific Name	Federal Status <sup>(1)</sup>	State Status <sup>(2)</sup>	MHCP Status	Habitat
Stephens' kangaroo rat	<i>Dipodomys stephensi</i>	FE	ST	Covered	Primarily found in annual and perennial grasslands, but also occurs in coastal scrub and sagebrush with sparse canopy cover.
Townsend's big-eared bat	<i>Corynorhinus townsendii</i>	BLMS, FS	SSC		Found in moist coastal forest to semi-desert scrublands, near riparian areas and wetlands.
Western mastiff bat	<i>Eumops perotis californicus</i>	BLMS	SSC		Found in many open and semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, and chaparral.
Western red bat	<i>Lasiurus blossevillii</i>	FS	SSC		Prefers riparian areas dominated by cottonwoods, oaks, sycamores, and walnuts.
Western small-footed myotis	<i>Myotis ciliolabrum</i>	BLMS			Found in a wide range of habitats near water, including arid wooded, brushy uplands, and open stands in forests and woodlands. Seeks cover in caves, buildings, mines and crevices
Western yellow bat	<i>Lasiurus xanthinus</i>		SSC		Found in valley foothill riparian, desert riparian, desert washes, and palm oasis habitats.
Yuma myotis	<i>Myotis yumanensis</i>	BLMS			Optimal habitats are open forests and woodlands with sources of water over which to feed.
Southern mule deer	<i>Odocoileus hemionus</i>			Covered	Variety of habitats over a broad range.
<b>FISH</b>					
Arroyo chub	<i>Gila orcuttii</i>	FS	SSC		Found in Coastal streams with slow water stream sections with mud or sand bottoms.

<sup>(1)</sup> **Federal Status** – FE = Federally Endangered; FT = Federally Threatened; FC = Candidate for federal listing; FD = Delisted; FS = Sensitive (USDA Forest Service); BLMS = Sensitive (Bureau of Land Management); BCC = Bird of Conservation Concern (USFWS)

<sup>(2)</sup> **State Status** – SE = State Endangered; ST = State Threatened; SFP = State Fully Protected; SSC = State Species of Special Concern; WL = State Watch List

Source: CNDDDB 2011, SANDAG 2003; USFWS 2011; CDFG 2011; City of Escondido 2001