

Appendix B

Sensitive Species Tables

Scientific Name Common Name	Status	Habitat Requirements	Potential to Occur in Study Area	Habitat Suitability/ Observations
Plants and Lichens				
<i>Abronia villosa</i> var. <i>aurita</i> chaparral sand- verbena	--/-- G5T2/S2 1B.1	Annual herb. Blooms Jan-Sept. Occurs in chaparral, coastal scrub. Sandy areas of the South Coast and Sonoran Desert Floristic Provinces. 80-1600m (260-5250ft).	Not Expected	Species has not been documented in Whittier and habitat in the buffer area is extremely disturbed without suitable sandy soils.
<i>Astragalus hornii</i> var. <i>hornii</i> Horn's milk-vetch	--/-- GUT1/S1 1B.1	Meadows and seeps, playas. Lake margins, alkaline sites. 75-350 m.	Not Expected	Lake margins, meadows, or seeps do not occur on site or in the buffer.
<i>Atriplex coulteri</i> Coulter's saltbush	--/-- G3/S1S2 1B.2	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland. Ocean bluffs, ridgetops, as well as alkaline low places. Alkaline or clay soils. 2-460 m.	Not Expected	Soils conditions are not suitable on site or in the buffer area for this species.
<i>Atriplex parishii</i> Parish's brittlescale	--/-- G1G2/S1 1B.1	Vernal pools, chenopod scrub, playas. Usually on drying alkali flats with fine soils. 4-1420 m.	Not Expected	Soils conditions are not suitable on site or in the buffer for this species.
<i>Atriplex serenana</i> var. <i>davidsonii</i> Davidson's saltscale	--/-- G5T1/S1 1B.2	Annual herb. Blooms April to October. Coastal bluff scrub, coastal scrub. Alkaline soil. 3-250m (10-820ft).	Not Expected	Soils conditions are not suitable on site or in the buffer for this species.
<i>Berberis nevinii</i> Nevin's barberry	FE/SE G1/S1 1B.1	Chaparral, cismontane woodland, coastal scrub, riparian scrub. On steep, N-facing slopes or in low grade sandy washes. 90-1590 m.	Not Expected	Soils conditions are not suitable for this species on site or in the buffer. Slopes are south-facing.
<i>Calochortus weedii</i> var. <i>intermedius</i> intermediate mariposa-lily	--/-- G3G4T2/S2 1B.2	Perennial herb. Blooms May to July. Coastal scrub, chaparral, valley and foothill grassland. Dry, rocky calcareous slopes and rock outcrops. 60-1575 m.	Low	Habitat on site is very disturbed and soils are not suitable, but documented occurrences are within the same general open space area. The species was not observed during field reconnaissance.
<i>Calystegia felix</i> lucky morning-glory	--/-- G1Q/S1 1B.1	Meadows and seeps, riparian scrub. Sometimes alkaline, alluvial. 9-205 m.	Not Expected	Riparian habitat does not occur on site or in the buffer.
<i>Centromadia parryi</i> ssp. <i>australis</i> southern tarplant	--/-- G3T2/S2 1B.1	Marshes and swamps (margins), valley and foothill grassland, vernal pools. Often in disturbed sites near the coast at marsh edges; also in alkaline soils sometimes with saltgrass. Sometimes on vernal pool margins. 0-975 m.	Not Expected	Soils conditions are not suitable on site or in the buffer for this species.
<i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	FE/SE G4?T1/S1 1B.2	Occurs in coastal dunes and coastal salt marshes and swamps. This species	Not Expected	Coastal dunes and salt marshes do not occur on site or in the buffer.

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salt marsh bird's-beak		blooms between May and October, and typically occurs at elevations ranging from 0-30 meters.		
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i> Peruvian dodder	--/-- G5T4?/SH 2B.2	Marshes and swamps (freshwater). Freshwater marsh. 15-280 m.	Not Expected	Marshes and swamps do not occur on site or in the buffer site.
<i>Dudleya multicaulis</i> many-stemmed dudleya	--/-- G2/S2 1B.2	Chaparral, coastal scrub, valley and foothill grassland. In heavy, often clayey soils or grassy slopes. 1-910 m.	Low	There is low potential for this species to occur in the coastal scrub within the buffer area. This species is a perennial herb that is visible year round and was not observed during field reconnaissance.
<i>Helianthus nuttallii</i> ssp. <i>parishii</i> Los Angeles sunflower	--/-- G5TX/SX 1A	Marshes and swamps (coastal salt and freshwater). 35-1525 m.	Not Expected	Marshes and swamps do not occur on site or in the buffer.
<i>Horkelia cuneata</i> var. <i>puberula</i> mesa horkelia	--/-- G4T1/S1 1B.1	Perennial herb. Blooms February to September. Chaparral, cismontane woodland, coastal scrub. Sandy or gravelly sites. 70-810m (230-2655ft).	Not Expected	Soil conditions on site or in the buffer are not suitable for this species.
<i>Isocoma menziesii</i> var. <i>decumbens</i> decumbent goldenbush	--/-- G3G5T2T3/S2 1B.2	Perennial shrub. Blooms April to November. Coastal scrub. Sandy soils; often in disturbed sites. 10-910m (30-2985ft).	Not Expected	Soils on site and in the buffer are not suitable and this species has only been documented near the coast.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i> Coulter's goldfields	--/-- G4T2/S2 1B.1	Annual herb. Blooms February to June. Coastal salt marshes, playas, valley and foothill grassland, vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. 1-1400m (3-4595ft).	Not Expected	Soil conditions on site and in the buffer are not suitable for this species.
<i>Nama stenocarpa</i> mud nama	--/-- G4G5/S1S2 2B.2	Marshes and swamps. Lake shores, river banks, intermittently wet areas. 15-815 m.	Not Expected	Marshes and swamps are not on site or in the buffer.
<i>Nasturtium gambelii</i> Gambel's water cress	FE/ST G1/S1 1B.1	Marshes and swamps. Freshwater and brackish marshes at the margins of lakes and along streams, in or just above the water level. 5-305 m.	Not Expected	Marshes and swamps are not on site or in the buffer.

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<i>Navarretia prostrata</i> prostrate vernal pool navarretia	--/-- G2/S2 1B.2	Coastal scrub, valley and foothill grassland, vernal pools, meadows and seeps. Alkaline soils in grassland, or in vernal pools. Mesic, alkaline sites. 3-1235 m.	Not Expected	Vernal pool habitat is not on site or in the buffer.
<i>Nemacaulis denudata</i> var. <i>denudata</i> coast woolly-heads	--/-- G3G4T2/S2 1B.2	Coastal dunes. 0-5 m.	Not Expected	Coastal dunes do not occur on site or in the buffer.
<i>Orcuttia californica</i> California Orcutt grass	FE/SE G1/S1 1B.1	Vernal pools. 10-660 m.	Not Expected	Vernal pool habitat is not on site or in the buffer.
<i>Pentachaeta lyonii</i> Lyon's pentachaeta	FE/SE G1/S1 1B.1	Annual herb. Blooms March to August. Chaparral, valley and foothill grassland, coastal scrub. Edges of clearing in chaparral, usually at the ecotone between grassland and chaparral or edges of firebreaks. 30-630m (100-2065ft).	Low	Habitat is suitable in the buffer area but this species has not been documented in or near Whittier.
<i>Phacelia stellaris</i> Brand's star phacelia	--/-- G1/S1 1B.1	Coastal scrub, coastal dunes. Open areas. 3-370 m.	Not Expected	Coastal dunes do not occur on site or in the buffer.
<i>Pseudognaphalium leucocephalum</i> white rabbit-tobacco	--/-- G4/S2 2B.2	Riparian woodland, cismontane woodland, coastal scrub, chaparral. Sandy, gravelly sites. 35-515 m.	Not Expected	Soils on site or in the buffer are not suitable for this species.
<i>Ribes divaricatum</i> var. <i>parishii</i> Parish's gooseberry	--/-- G5TX/SX 1A	Riparian woodland. Salix swales in riparian habitats. 65-300 m.	Not Expected	Riparian woodland does not occur on site or in the buffer.
<i>Scutellaria bolanderi</i> ssp. <i>austromontana</i> southern mountains skullcap	--/-- G4T3/S3 1B.2	Chaparral, cismontane woodland, lower montane coniferous forest. In gravelly soils on streambanks or in mesic sites in oak or pine woodland. 425-2000 m.	Not Expected	Soils on site and in the buffer are not suitable for this species.
<i>Sidalcea neomexicana</i> salt spring checkerbloom	--/-- G4/S2 2B.2	Playas, chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub. Alkali springs and marshes. 3-2380 m.	Not Expected	Springs and marshes are not on site or in the buffer.
<i>Suaeda esteroa</i> estuary seablite	--/-- G3/S2 1B.2	Marshes and swamps. Coastal salt marshes in clay, silt, and sand substrates. 0-80 m.	Not Expected	Marshes and swamps are not on site or in the buffer.
<i>Symphotrichum defoliatum</i> San Bernardino aster	--/-- G2/S2 1B.2	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill	Not Expected	Wetland habitat does not occur on site or in the buffer.

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		grassland. Vernal mesic grassland or near ditches, streams and springs; disturbed areas. 3-2045 m.		
<i>Symphotrichum greatae</i> Greata's aster	--/-- G2/S2 1B.3	Chaparral, cismontane woodland, broadleaved upland forest, lower montane coniferous forest, riparian woodland. Mesic canyons. 335-2015 m.	Not Expected	Mesic canyons do not occur on site or in the buffer.
Invertebrates				
<i>Bombus crotchii</i> Crotch bumble bee	--/-- G3G4/S1S2	Coastal California east to the Sierra-Cascade crest and south into Mexico. Food plant genera include <i>Antirrhinum</i> , <i>Phacelia</i> , <i>Clarkia</i> , <i>Dendromecon</i> , <i>Eschscholzia</i> , and <i>Eriogonum</i> .	Low	Species has been historically documented in the City of Whittier's vicinity, but has not been documented since. Habitat in the buffer area is marginally suitable and has suitable food plant genera.
Amphibians				
<i>Spea hammondi</i> western spadefoot	--/-- G2G3/S3 SSC	Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands. Vernal pools are essential for breeding and egg-laying.	Low	Vernal pool habitat is not on site or in the buffer, though a CNDDB recorded sighting from 1998 is within the buffer area. However 2010 focused surveys of that same location were negative.
Reptiles				
<i>Aspidoscelis tigris stejnegeri</i> coastal whiptail	--/-- G5T5/S3 SSC	Found in deserts and semi-arid areas with sparse vegetation and open areas. Also found in woodland & riparian areas. Ground may be firm soil, sandy, or rocky.	High	Habitat in the buffer area is suitable and the species has been documented in the general open space area.
<i>Emys marmorata</i> western pond turtle	--/-- G3G4/S3 SSC	A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation. Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying.	Not Expected	Aquatic habitat does not occur on in the buffer to site.
<i>Phrynosoma blainvillii</i> coast horned lizard	--/-- G3G4/S3S4 SSC	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. Open areas for sunning, bushes	High	Habitat in the buffer area is suitable and the species has been

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		for cover, patches of loose soil for burial, and abundant supply of ants and other insects.		documented in the general open space area.
Birds				
<i>Athene cunicularia</i> burrowing owl	--/-- G4/S3 SSC	Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	Low	Habitat on site and immediately adjacent is not suitable, but suitable habitat occurs at the further extent of the 500-foot buffer. Predators for this species were observed on site.
<i>Campylorhynchus brunneicapillus sandiegensis</i> coastal cactus wren	--/-- G5T3Q/S3 SSC	Southern California coastal sage scrub. Wrens require tall opuntia cactus for nesting and roosting.	Moderate	Habitat in the buffer area is marginally suitable.
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	FT/SE G5T2T3/S1	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems. Nests in riparian jungles of willow, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape.	Not Expected	Riparian habitat does not occur on site or in the buffer.
<i>Icteria virens</i> yellow-breasted chat	--/-- G5/S3 SSC	Summer resident; inhabits riparian thickets of willow and other brushy tangles near watercourses. Nests in low, dense riparian, consisting of willow, blackberry, wild grape; forages and nests within 10 ft of ground.	Not Expected	Riparian habitat does not occur on site or in the buffer.
<i>Polioptila californica</i> coastal California gnatcatcher	FT/-- G4G5T3Q/S2 SSC	Obligate, permanent resident of coastal sage scrub below 2500 ft in Southern California. Low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.	Present	Species was observed foraging among ruderal coastal scrub in the buffer area.
<i>Riparia</i> bank swallow	--/ST G5/S2	Colonial nester; nests primarily in riparian and other lowland habitats west of the desert. Requires vertical banks/cliffs with fine-textured/sandy soils near streams, rivers, lakes, ocean to dig nesting hole.	Not Expected	Riparian habitat does not occur on site or in the buffer.
<i>Vireo bellii pusillus</i> least Bell's vireo	FE/SE G5T2/S2	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft. Nests placed along margins of bushes	Not Expected	Riparian habitat does not occur on site or in the buffer.

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		or on twigs projecting into pathways, usually willow, Baccharis, mesquite.		
Mammals				
<i>Taxidea taxus</i> American badger	--/-- G5/S3 SSC	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents. Digs burrows.	High	Suitable habitat does not occur directly on site, but suitable habitat occurs in the buffer area. Friable soils with open areas occur throughout the buffer area. This species was documented in the general vicinity in 2008.
Sensitive Natural Communities				
California Walnut Woodland	--/-- G2/S2.1	Habitat is not on site.		Habitat is not on site.

Results are based on a 5-mile radius search of the California Natural Diversity Database and a 9-quad search of the California Native Plant Society online inventory.

Status (Federal/State)

- FE = Federal Endangered
- FT = Federal Threatened
- FPE = Federal Proposed Endangered
- FPT = Federal Proposed Threatened
- FD = Federal Delisted
- FC = Federal Candidate
- SE = State Endangered
- ST = State Threatened
- SCE = State Candidate Endangered
- SCT = State Candidate Threatened
- SR = State Rare
- SD = State Delisted
- SSC = CDFW Species of Special Concern
- FP = CDFW Fully Protected
- WL = CDFW Watch List

CRPR (CNPS California Rare Plant Rank)

- 1A = Presumed extirpated in California, and rare or extinct elsewhere
- 1B = Rare, Threatened, or Endangered in California and elsewhere
- 2A = Presumed extirpated in California, but common elsewhere
- 2B = Rare, Threatened, or Endangered in California, but more common elsewhere
- 3 = Need more information (Review List)
- 4 = Limited Distribution (Watch List)

CRPR Threat Code Extension

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

Other Statuses

- G1 or S1 Critically Imperiled Globally or Subnationally (state)
- G2 or S2 Imperiled Globally or Subnationally (state)
- G3 or S3 Vulnerable to extirpation or extinction Globally or Subnationally (state)
- G4/5 or S4/5 Apparently secure, common and abundant
- GH or SH Possibly Extirpated – missing; known from only historical occurrences but still some hope of rediscovery

Additional notations may be provided as follows

- T – Intraspecific Taxon (subspecies, varieties, and other designations below the level of species)
- Q – Questionable taxonomy that may reduce conservation priority
- ? – Inexact numeric rank