

DOCKETED

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Filer:	Tiffani Winter
Organization:	CH2M Hill
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Appendix 5.2A
Regional Special-status Plant and Wildlife
Species List

Appendix 5.2A Special-Status Species in the Regional Vicinity of the AEC

Name	Habitat	Status	Notes
Plant Species			
Ventura Marsh milk-vetch <i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i>	Coastal dunes, coastal scrub, and edges of salt or brackish marshes and swamps	FE SE 1B.1	No suitable habitat present within the project area. A historic regional occurrence record for this species are from 1882, potentially extirpated (CDFW, 2013).
Coulter's saltbush <i>Atriplex coulteri</i>	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland	1B.2	No suitable habitat found within in the project area. This species was documented approximately 7 miles northwest of AEC within the Bixby Knolls; however, this population is presumed to be extirpated from site development (CDFW, 2013).
Parish's brittlescale <i>Atriplex parishii</i>	Alkali meadows, vernal pools, chenopod scrub and playas.	1B.1	No suitable habitat found within the project area. This species was documented approximately 7 miles northwest of AEC within the Bixby Knolls; however, this population is presumed to be extirpated from site development (CDFW, 2013). According to CDFW (2013), a historic record for this species was documented at Costa Station in Buena Park.
Davidson's saltscale <i>Atriplex serenana</i> var. <i>davidsonii</i>	Coastal bluff scrub and coastal scrub (alkaline soil)	1B.2	No suitable habitat present within in the project area. This species was documented in Seal Beach, but no date is associated with the occurrence record (CDFW, 2013).
Southern tarplant <i>Centromadia parryi</i> ssp. <i>australis</i>	Margins of marshes and swamps, vernally mesic grasslands, and vernal pools	1B.1	Possible – but unlikely given vegetation management practices on and around the site. Several reported occurrences in the regional vicinity of the AEC (CDFW, 2013).
Salt marsh bird's-beak <i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	Coastal salt marshes and swamps, and coastal dunes	FE SE 1B.2	No suitable habitat within in the project area. This species has been documented within the Upper Anaheim Bay in Seal Beach, but the natural population is presumed to be extirpated and the population observed in 1983 was likely introduced (CDFW, 2013).
Los Angeles sunflower <i>Helianthus nuttallii</i> ssp. <i>parishii</i>	Coastal salt and freshwater marshes and swamps	1A	No suitable habitat present on the AEC site. Regional occurrences are two historic records from 1924 and 1933 (CDFW, 2013).
Coulter's goldfields <i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coastal salt marshes and swamps, playas, and vernal pools	1B.1	No suitable habitat within the project area. This species has been documented within the Seal Beach National Wildlife Refuge in 1949 (CDFW, 2013).
Mud nama <i>Nama stenocarpum</i>	Marshes and swamps (lake margins, riverbanks)	2B.2	No suitable habitat in the project area. A historic record (1932) for this species has been documented in the Anaheim Marsh (CDFW, 2013).
Gambel's water cress <i>Nasturtium gambelii</i>	Freshwater or brackish marshes and swamps	FE ST 1B.1	Only record in the regional vicinity is from a historic (1908) collection; this occurrence has likely been extirpated by development (CDFW, 2013).

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Prostrate vernal pool navarretia <i>Navarretia prostrata</i>	Mesic sites including coastal scrub, meadows and seeps, valley and foothill grassland (alkaline), and vernal pools	1B.1	No suitable habitat in the project area. A historic record (1882) for this species was documented in Wilmington, but may possibly be extirpated (CDFW, 2013).
Coast woolly-heads <i>Nemacaulis denudata</i> var. <i>denudata</i>	Coastal dunes	1B.2	No suitable habitat in the project area. A historic record (1951) for this species was documented within Seal Beach and Alamitos (CDFW, 2013).
California Orcutt grass <i>Orcuttia californica</i>	Vernal pools	FE SE 1B.1	No suitable habitat is found within the AEC site. Species was documented approximately 4.5 miles northwest of the project area, but is presumed to be extirpated (CDFW, 2013).
Lyon's pentachaeta <i>Pentachaeta lyonii</i>	Chaparral (openings), coastal scrub, and valley and foothill grassland (rocky clay soils)	FE SE 1B.1	No suitable habitat within the AEC site and the nearest occurrence record is approximately 6 miles to the southeast. This occurrence record is not dated, but is presumed to be possibly extirpated (CDFW, 2013).
Sanford's arrowhead <i>Sagittaria sanfordii</i>	Shallow freshwater marshes and swamps	1B.2	No suitable habitat is present within the AEC site. A historic record (1975) for this species was documented east of the Garden Grove-Wintersburg Canal, north of Warner Street in Huntington Beach (CDFW, 2013).
Salt spring checkerbloom <i>Sidalcea neomexicana</i>	Alkaline and mesic sites in chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub, and playas.	2B.2	No suitable habitat present within the AEC site and this species has been recorded approximately one-half mile north of the project area from historic collections obtained from Bryant Ranch (CDFW, 2013).
Estuary seablite <i>Suaeda esteroa</i>	Coastal salt marshes and swamps	1B.2	No suitable habitat within the project area. A historic occurrence record for this species was obtained from Seal Beach (CDFW, 2013).
San Bernardino aster <i>Symphotrichum defoliatum</i>	Near ditches, streams, and springs in cismontane woodland, coastal scrub, lower montane coniferous forest, meadows and seeps, marshes and swamps, and valley and foothill grassland (vernally mesic)	1B.2	No suitable habitat in the project area. Only reported occurrences are from historic collections obtained in 1932 from Bryant Ranch, presumed to be extirpated (CDFW, 2013).

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Name	Habitat	Status	Notes
Wildlife Species			
Invertebrates			
Sandy beach tiger beetle <i>Cicindela hirticollis gravida</i>	Coastal sandy areas in the upper zone away from waves	None	No suitable habitat in the project area; only information is from historical records (1945 and 1979); believed to have been extirpated (CDFW, 2013).
Western beach tiger beetle <i>Cicindela latesignata latesignata</i>	Coastal mudflats and beaches	None	No suitable habitat in the project area; all regional occurrences are based on historical localities, all of which are considered extirpated (CDFW, 2013).
Western tidal-flat tiger beetle <i>Cicindela gabbii</i>	Sandy areas along estuaries and tidal flats	None	No suitable habitat in the project area. This species was last documented in 1998 within the regional vicinity of AEC, but the locality information is sensitive (CDFW, 2013).
Senile tiger beetle <i>Cicindela senilis frosti</i>	Marine shorelines including coastal areas, salt marshes and lakes	None	No suitable habitat is present within the project area. This species was last documented in 1979 in Seal Beach, but is presumed to be extirpated (CDFW, 2013).
Monarch butterfly <i>Danaus plexippus</i>	Roosts in protected groves of trees with nectar and water sources nearby	None	Possible roosting habitat in landscape trees around the site. Species has been documented in multiple locations within the regional vicinity (CDFW, 2013).
Wandering (=saltmarsh) skipper <i>Panoquina errans</i>	Coastal salt marsh	None	No suitable habitat in the project area, but this species has been observed in the Bolsa Chica Ecological Reserve (CDFW, 2013).
Dorothy's El Segundo dune weevil <i>Trigonoscuta dorothea dorothea</i>	Coastal dunes	None	No suitable habitat in the project area. Only reported occurrences of this species are from the Bolsa Chica Ecological Reserve (CDFW, 2013).
California brackishwater snail <i>Tryonia imitator</i>	Coastal lagoons, estuaries and salt marshes	None	No suitable habitat in the project area; regionally this species is known to occur at the Bolsa Chica Ecological Reserve (CDFW, 2013).
Reptiles			
Green turtle <i>Chelonia mydas</i>	Marine habitats with coral reefs, sea grass beds or mangroves	FT*	No suitable habitat is present within the project area, but this species has been observed within one mile of the AEC site in the San Gabriel River and Los Cerritos Channel (CDFW, 2013).
Western pond turtle <i>Emys marmorata</i>	Permanent and intermittent freshwater habitats including marshes, streams, rivers,	SC	No suitable habitat is present within the project area. This species was documented in the vicinity of the confluence of the San Gabriel River and Coyote Creek (CDFW, 2013).

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Name	Habitat	Status	Notes
	ponds and lakes		
Blainville's horned lizard/coast horned lizard <i>Phrynosoma blainvillii</i>	Inhabits open areas of sandy soil and low vegetation in valleys, foothills and semiarid mountains from sea level to 8,000 ft.	SC	No suitable habitat in the project area. This species was documented at the Willow Street Bridge over the San Gabriel River in City Park, Long Beach, but is possibly extirpated (CDFW, 2013).
Birds			
Tricolored blackbird <i>Agelaius tricolor</i>	Freshwater marshes, riparian scrublands and forests	SC	Species had been documented approximately one-half mile northwest of the AEC site within the El Dorado Regional Park (CDFG, 2013). No suitable habitat is present within the AEC site.
Burrowing owl <i>Athene cunicularia</i>	Open grasslands and shrub lands with small mammal burrows and low growing vegetation	SC	No suitable habitat in the project area. This species has been documented within one mile of the AEC site in the vicinity of Seal Beach Boulevard and Heron Pointe/Forrestal Lane, near Seal Beach (CDFW, 2013).
Ferruginous hawk <i>Buteo regalis</i>	Grassland and shrub-steppe	SC	No suitable habitat is present within the project area and this species has been recorded approximately 2.5 miles northeast of the AEC site (CDFW, 2013).
Western snowy plover <i>Charadrius alexandrinus nivosus</i>	Sandy beaches, salt pond levees and edges of large alkaline lakes	FT SC	No suitable habitat is present within the AEC site. A historic record (1978) for this species has been documented in Anahiem Landing at the mouth of Anhiem Bay (CDFW, 2013). All nesting populations in the region have been extirpated.
Western yellow-billed cuckoo <i>Coccyzus americanus occidentalis</i>	Riparian	Candidate SE	No suitable habitat is present within the project area. A historic record (1912) for this species has been documented at the San Gabriel River near Artesia (CDFW, 2013).
Belding's savanna sparrow <i>Passerculus sandwichensis beldingi</i>	Coastal salt marsh	SE	No suitable habitat on the project site, but this species has been documented in the Los Cerritos Marsh (CDFW, 2013).
California brown pelican <i>Pelecanus occidentalis californicus</i>	Coastal marine and estuarine environments	Delisted FP	No suitable present within the AEC site. This species has been documented offshore approximately 6 miles southwest of the AEC site (CDFW, 2013).
Coastal California gnatcatcher <i>Poliophtila californica californica</i>	Coastal sage scrub	FT SC	No suitable habitat within the project area. This species has been documented near Huntington Harbor in 2004 (CDFW, 2013).

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Light-footed clapper rail <i>Rallus longirostris levipes</i>	Coastal salt marshes	FE SE FP	No suitable habitat within the project area, but this species has been documented within Seal Beach National Wildlife Refuge (CDFW, 2013).
Bank swallow <i>Riparia riparia</i>	Vertical banks/cliffs with fine-textured/sandy soils near streams, rivers, lakes, and the ocean	ST SC	No suitable habitat within the AEC site. A historic occurrence record for species from 1919 was documented near Bixby Park (CDFW, 2013).
Black skimmer <i>Rynchops niger</i>	Nest on gravel bars and open sandy beaches	SC	No suitable nesting habitat within the project area. The only reported nesting habitat for this species is at the Bolsa Chica Ecological Reserve (CDFW, 2013).
California least tern <i>Sternula antillarum browni</i>	Nest in coastal areas in bare or sparsely vegetated areas, sandy beaches, alkali flats landfills and paved areas	FE SE FP	No suitable habitat on the project site. Multiple occurrence records for this species have been documented within the regional vicinity (CDFW, 2013).
Mammals			
Western mastiff bat <i>Eumops perotis californicus</i>	Known to roost in high buildings, forages in a variety of habitats	SC	Potential to forage over the open water and wetlands around the site; this species has been observed within the regional vicinity (CDFW, 2013) .
Silver-haired bat <i>Lasionycteris noctivagans</i>	Forests	None	No suitable habitat is present within the project area. This species has been recorded within 10 miles of the AEC site (CDFW, 2013).
Western yellow bat <i>Lasiurus xanthinus</i>	Desert regions, dry tropical forest to semi-tropical wet forests	SC	No suitable habitat is present within the project area. This species will roost in native and non-native palm trees. This species has been documented in the vicinity of Garden Grove (CDFW, 2013).
South coast marsh vole <i>Microtus californicus stephensi</i>	Tidal marshes	SC	No suitable habitat is present within the project area. This species has been documented approximately 3.5 miles southeast of the AEC site (CDFW, 2013).
Big free-tailed bat <i>Nyctinomops macrotis</i>	Rugged, rocky areas in both lowland and highland habitats	SC	No suitable habitat present within the project area. This species was last observed in 1983 in the general vicinity of Long Beach (CDFW, 2013).
Pacific pocket mouse <i>Perognathus longimembris pacificus</i>	Fine-grain, sandy substrates on the coastal strand, coastal dunes, river alluvium and coastal sage scrub habitats within 2.5 miles of the ocean	FE SC	No suitable habitat within the project area. This species is presumed to be extinct in the area and the last documented occurrence record was from 1865 in Wilmington (CDFW, 2013). The Pacific pocket mouse was discovered in two general locations on the Marine Corps Base, Camp Pendleton in San Diego County and at the Dana Point Headlands (USFWS, 1998).

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Name	Habitat	Status	Notes
Southern California salt marsh shrew <i>Sorex ornatus salicornicus</i>	Coastal salt marsh	SC	No suitable habitat is present within the project area. A historic occurrence record for this species was obtained in 1968 in the general vicinity of Seal Beach (CDFG, 2013).

Status Codes

FE – Federally listed as endangered
 FT – Federally listed as threatened listed as fully protected
 SE – State listed as endangered
 ST – State listed as threatened
 SC – State Species of Concern

FP – State

California Native Plant Society

1A - Plants Presumed Extinct in California
 1B.1 - Plants rare, threatened, or endangered in California and elsewhere; seriously endangered in California
 1B.2- Plants rare, threatened, or endangered in California and elsewhere; fairly endangered in California
 2B.2 - Plants endangered in California; fairly endangered in California

*The green sea turtle is federally threatened species throughout its Pacific Range.

Sources:

California Department of Fish and Game (CDFG). 2013. California Natural Diversity Database. RareFind4.
 California Native Plant Society (CNPS). 2013. Inventory of Rare and Endangered Plants (online edition, v8-02). California Native Plant Society. Sacramento, CA. Accessed on July 01, 2013.
 United States Fish and Wildlife Service (USFWS). 1998. Pacific pocket mouse (*Perognathus longimembris pacificus*) Recovery Plan. Portland, OR. 112 pp.