

Appendix 5.2A
Regional Special-status Plant and Wildlife Species

Appendix 5.2A: Special-Status Species in the Regional Vicinity of the Redondo Beach Energy Project

Name	Habitat	Status	Notes
Animal Species			
Belding's savannah sparrow <i>Passerculus sandwichensis beldingi</i>	Coastal salt marsh	SE MBTA	No suitable habitat on the project site. The nearest occurrence record for this species is 8.5 miles northwest of RBEP.
Belkin's dune tabanid fly <i>Brennania belkini</i>	Coastal sand dunes of southern California	None	No suitable habitat is present within the project area. Occurrence documented at Manhattan Beach State Park (CDFG, 2012).
Burrowing owl <i>Athene cunicularia</i>	Open grasslands and shrub lands with small mammal burrows and low growing vegetation	SC MBTA	No suitable habitat in the RBEP site.
Busck's gall moth <i>Carolella busckana</i>	Unknown	SC	No suitable habitat in the RBEP site. Species is extirpated or possibly extirpated, not enough information is available.
California black rail <i>Laterallus jamaicensis coturniculus</i>	Marshes and wet meadows, requires dense vegetation for nesting	ST FP MBTA	No suitable habitat in the project area. The nearest documented occurrence is 8.9 miles northwest of RBEP.
California brackishwater snail <i>Tryonia imitator</i>	Coastal lagoons, estuaries and salt marshes	None	No suitable habitat in the RBEP site and the nearest occurrence record is 8.4 miles northwest of the project area.
California brown pelican <i>Pelecanus occidentalis californicus</i>	Coastal marine and estuarine environments	Delisted FP MBTA	No suitable present within the RBEP site. This species has been documented offshore approximately 8.4 miles northwest of the project area.
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 MBTA	No suitable habitat on the project site. This species has been documented.
Coastal cactus wren <i>Campylorhynchus brunneicapillus</i>	Southern cactus scrub, nests in coastal cholla and coastal prickly pear	SC MBTA	No suitable habitat is present within the project area.
Coastal California gnatcatcher <i>Poliopitila californica californica</i>	Coastal sage scrub	FT SC MBTA	No suitable habitat in the project area. This species occurs in Palos Verdes Peninsula (CDFG, 2012).
Blainville's 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. Nearest occurrence was recorded approximately 2 miles northeast of RBEP (CDFG, 2012).

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Dorothy's El Segundo dune weevil <i>Trigonoscuta dorothea dorothea</i>	Coastal dunes	None	No suitable habitat within the RBEP site. Nearest occurrence was recorded approximately 8 miles northwest of the project area.
El Segundo blue butterfly <i>Euphilotes battoides allyni</i>	El Segundo sand dunes	FE	No suitable habitat in the project area. Regionally this species is only known to occur in the El Segundo sand dunes. Nearest occurrence was recorded approximately 5.8 miles northwest of RBEP (CDFG, 2012). However, the El Segundo sand dunes have virtually been eliminated by urban development.
El Segundo flower-loving fly <i>Rhaphiomidas terminatus terminatus</i>	El Segundo sand dunes, coastal prairie east of the dunes and portions of the sandy alluvial plain of the Los Angeles River	None	This species is presumed to be extinct (USFWS, 2007) and no suitable habitat is present within the project area.
Globose dune beetle <i>Coelus globosus</i>	Coastal dunes	None	No suitable habitat within the RBEP site. Nearest occurrence was recorded approximately 8 miles northwest of the project area.
Henne's eucosman moth <i>Eucosma hennei</i>	Endemic to the El Segundo dunes, Los Angeles County.	None	No suitable habitat within the RBEP site. Nearest occurrence was recorded approximately 6.2 miles northwest of the project area.
Lange's El Segundo Dune weevil <i>Onychobaris langei</i>	El Segundo dunes, Los Angeles County.	None	No suitable habitat within the RBEP site and this species does not occur within the immediate vicinity of the project area.
Mohave tui chub <i>Siphateles bicolor mohavensis</i>	Mojave River basin	FE SE SC FP	No suitable habitat within the RBEP site. Nearest occurrence was recorded approximately 5 miles southeast of the project area. Possibly misidentified in CNDDDB since this species does not occur within this area.
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 approximately 1.8 miles southeast and approximately 4.9 miles north of the RBEP (CDFG, 2012).
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. 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).
Palos Verdes blue butterfly <i>Glaucopsyche lygdamus palosverdesensis</i>	Coastal sage scrub in the Palos Verdes Peninsula	FE	No suitable habitat within the project area. This species has been documented within suitable habitat in the Palos Verdes hills (CDFG, 2012).
Pocketed free-tailed bat <i>Nyctinomops femorosaccus</i>	Desert scrub and pine-oak forest, roosts primarily in crevices of rugged cliffs, high rocky outcrops and slopes	SC	No suitable habitat within the project area. This species has been documented in multiple locations within 10 miles and the nearest occurrence is 6.8 miles southeast of RBEP.

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Name	Habitat	Status	Notes
San Diego desert woodrat <i>Neotoma lepida intermedia</i>	Joshua tree woodlands, pinyon-juniper woodlands, mixed chaparral, sagebrush and desert habitats	SC	No suitable habitat within the project area. Nearest occurrence was recorded approximately 8.4 miles southeast of the project area.
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 record; believed to have been extirpated.
Senile tiger beetle <i>Cicindela senilis</i>	Marine shorelines including coastal areas, salt marshes and lakes.	None	No suitable habitat within the immediate vicinity of RBEP. Species has been documented in Manhattan Beach (CDFG, 2012).
Silvery legless lizard <i>Anniella pulchra pulchra</i>	Sandy or loose loamy soils under sparse vegetation of beaches, chaparral, pine-oak woodland, near sycamores, cottonwoods, or oaks that grow on stream terraces	SC	Species had been documented approximately 4.2 miles southeast of RBEP. There is no suitable habitat for this species within the project area.
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 9.8 miles north of RBEP.
Southern California saltmarsh shrew <i>Sorex ornatus salicornicus</i>	Salt marshes	SC	No suitable habitat is present within the project area. This species was documented in the Ballona Wetlands near Playa Del Rey.
Tricolored blackbird <i>Agelaius tricolor</i>	Freshwater marshes, riparian scrublands and forests	SC MBTA	Species had been documented approximately 3 miles southeast of the project (CDFG, 2012). No suitable habitat is present within the RBEP site.
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 near the Ballona Wetlands.
Western mastiff bat <i>Eumops perotis californicus</i>	Known to roost in high buildings – forages in a variety of habitats	SC	Potential foraging over open water and wetlands and around the site; this species has been observed in City of Gardena (CDFG, 2012).
Western pond turtle <i>Emys marmorata</i>	Permanent and intermittent freshwater habitats including marshes, streams, rivers, ponds and lakes	SC	No suitable habitat is present within the project area.
Western snowy plover <i>Charadrius alexandrinus nivosus</i>	Sandy beaches, salt pond levees and edges of large alkaline lakes	FT SC MBTA	Species is reported to utilize the coastal areas in the vicinity of the site for foraging and loafing. All nesting populations in the region have been extirpated.

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Name	Habitat	Status	Notes
Plant Species			
<i>Aphanisma blitoides</i>	Coastal dunes and coastal sage scrub	1B.2	No suitable habitat in the project area. Species has been found in Redondo Beach State Park and in Palos Verdes Peninsula (CDFG, 2012).
<i>Ballona cinquefoil</i> <i>Potentilla multijuga</i>	Coastal sage scrub, and wetland-riparian	1A	No suitable habitat in the project area and this species is presumed to be extinct (Calflora, 2012).
Beach spectaclepod <i>Dithyrea maritima</i>	Coastal dunes and coastal sage scrub	ST 1B.1	No suitable habitat is present within the RBEP. This species has been documented within Hermosa Beach (CDFG, 2012).
Brand's star phacelia <i>Phacelia stellaris</i>	Coastal dunes and coastal sage scrub	1B.1	Species was recorded at Redondo Beach State Park (CDFG, 2012). No suitable habitat is present within the project area.
California Orcutt grass <i>Orcuttia californica</i>	Valley grasslands, vernal pools and wetland-riparian communities	1B.1	Species was documented approximately 4.4 miles northeast of the project area. No suitable habitat is found within the RBEP site.
Catalina crossosoma <i>Crossosoma californicum</i>	Coastal sage scrub	1B.2	No suitable habitat is present within the RBEP. Species was recorded approximately 6 miles southeast of the project area in the Palos Verdes Peninsula (CDFG, 2012).
Coastal dunes milvetch <i>Astragalus tener</i> var. <i>titi</i>	Coastal strand, northern coastal scrub, coastal sage scrub, coastal dunes and wetland-riparian communities	1B.1	Species was documented approximately 4 miles north of the project area. No suitable habitat is found within the RBEP site.
Coastal goosefoot <i>Chenopodium littoreum</i>	Coastal dunes	1B.2	No suitable habitat is present within the RBEP. The nearest occurrence record is approximately 8 miles northwest of the project area.
Coulter's goldfields <i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coastal marshes, playas, vernal pools and mesic grasslands	1B.1	No suitable habitat in the project area, This species was documented in El Segundo (CDFG, 2012).
Davidson's saltscale <i>Atriplex serenana</i> var. <i>davidsonii</i>	Coastal scrub (alkaline soil)	1B.2	No suitable habitat in the project area. The nearest occurrence record is approximately 10 miles southeast of the project area.
Estuary seablite <i>Suaeda esteroa</i>	Coastal salt marshes	1B.2	No suitable habitat in the RBEP. The nearest occurrence record is approximately 10 miles southeast of the project area.
Island green dudleya <i>Dudleya virens</i> ssp. <i>inularis</i>	Coastal bluffs, steep slopes in chaparral, coastal bluff scrub and coastal sage scrub	1B.2	Endemic to the Palos Verdes Peninsula, San Clemente and the Catalina Islands. No suitable habitat is within the project area.
Lyon's pentachaeta <i>Pentachaeta lyonii</i>	Chaparral and valley grasslands	FE SE 1B.1	No suitable habitat within the RBEP site and the nearest occurrence record is approximately 8 miles southeast of the project area.

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Mud nama <i>Nama stenocarpum</i>	Marshes and vernal pools	2.2	No suitable habitat in the project area and the nearest occurrence record is approximately 7 miles southeast of the project area.
Orcutt's yellow pincushion <i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i>	Coastal sage scrub, chaparral, interior chaparral and woodlands	1B.1	Species was recorded approximately 3.2 miles north northwest of RBEP (CDFG, 2012). No suitable habitat is present within the project area.
Parish's brittlescale <i>Atriplex parishii</i>	Shadscale scrub, alkali sink freshwater wetlands, vernal pools and wetland-riparian habitats	1B.1	No suitable habitat is present within the project area. This species was recorded approximately 1.5 miles south of RBEP (CDFG, 2012).
Prostrate vernal pool navarretia <i>Navarretia prostrata</i>	Vernal pools and mesic alkaline sites in grassland and coastal scrub habitats	1B.1	No suitable habitat in the project area. Historic record documented this species within Manhattan Beach area (CDFG, 2012).
San Bernardino aster <i>Symphyotrichum defoliatum</i>	Seeps, marshes and mesic grasslands	1B.2	No suitable habitat in the project area. Only reported occurrences are from historic collections most likely extirpated.
San Fernando Valley spineflower <i>Chorizanthe parryi</i> var. <i>fernandina</i>	Coastal sage scrub	1B.1	No suitable habitat is present within the RBEP site. This species was recorded approximately 9.5 miles southeast of the project area.
Santa Catalina Island desert thorn <i>Lycium brevipes</i> var. <i>hassei</i>	Coastal sage scrub	1B.1	No suitable habitat in the project area. This species was recorded approximately 8.9 miles south southeast of RBEP.
Spreading navarretia <i>Navarretia fossalis</i>	Shadscale scrub, freshwater wetlands and wetland-riparian	FT 1B.1	No suitable habitat is present within the RBEP site. This species is not located within the immediate vicinity of the RBEP.
South Coast saltscale <i>Atriplex pacifica</i>	Coastal scrub, chenopod scrub and playas	1B.2	No suitable habitat within the RBEP site. Historic record documented this species within Redondo Beach (CDFG, 2012).
Southern tarplant <i>Centromadia parryi</i> ssp. <i>australis</i>	Grassland and upper edges of coastal marshes, often in disturbed areas	1B.1	This species has been documented in two locations within 5 miles of the RBEP (CDFG, 2012). No suitable habitat is present within the project area.
Ventura Marsh milk-vetch <i>Astragalus pycnostachyus</i> var. <i>lanosissimus</i>	Salt marsh	FE SE 1B.1	No suitable habitat present within the project area, documented approximately 10 miles northwest of RBEP.

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Name	Habitat	Status	Notes
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Status Codes

FE - Federally listed as endangered

FT - Federally listed as threatened

MBTA - Protected species under the Migratory Bird Treaty Act, subspecies have also been included in this category

FP - Fully protected by the California Department of Fish and Game

SE - State listed as endangered

ST - State listed as threatened

SC - State Species of Concern

California Native Plant Society

1A - Plants Presumed Extinct in California

1B.1 - Plants Rare, Threatened, or Endangered in California and Elsewhere; Seriously Threatened in California

1B.2- Plants Rare, Threatened, or Endangered in California and Elsewhere; Fairly threatened in California

2.2 - Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere; Fairly threatened in California

Sources:

California Department of Fish and Game (CDFG). 2012. California Natural Diversity Data Base.

Calflora. 2012. Information on wild California plants for conservation, education, and application. Available online at: <http://www.calflora.org/>

United States Fish and Wildlife Service (USFWS). 1998. Pacific pocket mouse (*Perognathus longimembris pacificus*) Recovery Plan. Portland, OR. 112 pp.

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