

APPENDIX 5.2A

CNDDDB Database Search

APPENDIX 5.2A

Special-Status Species Potentially Occurring in the CVEUP Project Area

Scientific Name	Common Name	Status ^a	Season ^b	Primary Habitat ^c	Potential Occurrence in Project Area	Potential Occurrence in Offsite Construction Area
Plants						
<i>Acanthomintha ilicifolia</i>	San Diego thorn-mint	FT, CE, CNPS 1B.1, MSCP: Yes, NE	April-June	Chaparral, coastal scrub, valley and foothill grassland, and vernal pools. Usually found on clay lenses (active vertisol clay soils) within grassland or chaparral communities; 10-935m.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the limited amount of Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub and grassland habitat is located within the 1-mile survey area. Additionally, a San Diego mesa claypan vernal pool occurs within the 1-mile radius (CNDDDB 2007).
<i>Adolphia californica</i>	California adolphia	CNPS 2.1, MSCP: No	Dec-May	Chaparral, coastal sage scrub, valley and foothill grassland. From sandy/gravelly to clay soils within grassland, coastal sage scrub, or chaparral; various exposures. 15-300m.	Absent on site due to lack of suitable habitat. However, limited amount of Diegan coastal sage scrub occurs within the 1-mile survey area.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Agave shawii</i>	Shaw's agave	CNPS 2.1, MSCP: Yes, NE	Sept-May	Coastal bluff scrub, coastal scrub. Coastal bluffs and slopes within coastal sage scrub and adjacent to Torrey pine forest. 10-75m.	Absent due to lack of suitable habitat.	Absent due to lack of suitable habitat.
<i>Ambrosia chenopodiifolia</i>	San Diego bur-sage	CNPS 2.1, MSCP: No	Apr-June	Coastal scrub, mostly associated with maritime succulent scrub. Slopes of canyons in open succulent scrub usually with little herbaceous cover. 55-150m.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Ambrosia pumila</i>	San Diego ambrosia	FE, CNPS 1B.1, MSCP: Yes, NE	Apr-Oct	Chaparral, coastal scrub, valley and foothill grassland, and vernal pools. Sandy loam or clay soil. In valleys; persists where disturbance has been superficial. 20-415m.	Absent. Habitat on the project site is marginal. This species was not detected on the project site (LSA 2007). However, suitable habitat may occur within the 1-mile survey area.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).

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<i>Aphanisma blitoides</i>	aphanisma	CNPS 1B.2, MSCP: Yes	Mar-Jun	Coastal bluff scrub, coastal dunes, coastal scrub. On bluffs and slopes near the ocean in sandy or clay soils. In steep decline on the islands and the mainland. 1-305m.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat.
<i>Arctostaphylos otayensis</i>	Otay manzanita	CNPS 1B.2, MSCP: Yes	Jan-Apr	Chaparral, cismontane woodland. Metavolcanic soils with other chaparral associates. 275-1700m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.
<i>Astragalus deanei</i>	Dean's milk-vetch	CNPS 1B.1, MSCP: No	Feb-May	Chaparral, coastal scrub, riparian forest. Open, brushy south-facing slopes in Diegan coastal sage, sometimes on recently burned-over hillsides. 75-670m.	Absent on site due to lack of suitable habitat. However, limited amount of Diegan coastal sage scrub occurs within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components is located within the 1-mile survey area.
<i>Astragalus tener</i> var. <i>titi</i>	coastal dunes milk-vetch	FE, CE, CNPS 1B.1, MSCP: Yes	Mar-May	Coastal bluff scrub, coastal dunes. Moist, sandy depressions of bluffs or dunes along and near the Pacific Ocean; one site on a clay terrace. 1-50m.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat.
<i>Atriplex coulteri</i>	Coulter's saltbush	CNPS 1B.2, MSCP: No	Mar-Oct	Coastal bluff scrub, coastal dunes, coastal scrub, valley and foothill grassland. Ocean bluffs, ridgetops, as well as alkaline low places. 10-440m.	Absent due to lack of suitable habitat.	Absent due to lack of suitable habitat.
<i>Atriplex pacifica</i>	South Coast saltscale	CNPS 1B.2, MSCP: No	Mar-Oct	Coastal scrub, coastal bluff scrub, playas, chenopod scrub. Alkali soils. 1-500m.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub is located within the 1-mile survey area.

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Bergerocactus emoryi	golden-spined cereus	CNPS 2.2, MSCP: No	May-Jun	Coastal scrub, sometimes chaparral margins. Limited to the coastal belt. Usually on clay soils. 3-395m.	Absent. This species was not detected on the project site, and would have been detected if present (LSA 2007). Present within 1-mile radius (CNDDDB 2007).	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
Brodiaea orcuttii	Orcutt's brodiaea	CNPS 1B.1, MSCP: Yes, NE	May-Jul	Vernal pools, valley and foothill grassland, closed-cone coniferous forest, cismontane woodland, Mesic, clay habitats; sometimes serpentine; usually in vernal pools and small drainages. 30-1615m.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the Diegan coastal sage scrub and grassland habitat is abundant within the 1-mile survey area. Additionally, a San Diego mesa claypan vernal pool occurs within the 1-mile radius (CNDDDB 2007).
California macrophyllum	round-leaved filaree	CNPS 1B.1, MSCP: No	Mar-May	Cismontane woodland, valley and foothill grassland. Clay soils. 15-1200m.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat. However, suitable grassland is abundant within the 1-mile survey area.
Calochortus dunnii	Dunn's mariposa lily	CR, CNPS 1B.2, MSCP: Yes, NE	Apr-Jun	Closed-cone coniferous forest, chaparral. On gabbro or metavolcanic soils; also known from sandstone; often assoc with chaparral. 375-1830m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.
Ceanothus cyaneus	Lakeside ceanothus	CNPS 1B.2, MSCP: Yes, NE	Apr-Jun	Closed-cone coniferous forest, chaparral. 100-1515m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.	Absent due to lack of suitable habitat. Project site is outside of the elevational range and current distribution of this species.
Ceanothus otayensis	Otay Mountain ceanothus	CNPS 1B.2, MSCP: No	Jan-Apr	Chaparral. Metavolcanic or gabbroic soils. 600-1100m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.

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<i>Ceanothus verrucosus</i>	wart-stemmed ceanothus	CNPS 2.2, MSCP: Yes	Dec-May	Chaparral. 1-380m.	Absent. This species was not detected on the project site, and would have been detected if present (LSA 2007).	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components is located within the 1-mile survey area.
<i>Chaenactis glabriuscula</i> var. <i>orcuttiana</i>	Orcutt's pincushion	CNPS 1B.1, MSCP: No	Jan-Aug	Coastal bluff scrub, coastal dunes. Sandy sites. 3-100m.	Absent on site due to lack of suitable habitat.	Absent on site due to lack of suitable habitat.
<i>Chorizanthe orcuttiana</i>	Orcutt's spineflower	FE, CE, CNPS 1B.1, MSCP: No	Mar-May	Coastal scrub, chaparral, closed-cone coniferous forest. Sandy sites and openings; sometimes in transition zones. 3-125m.	Absent on site due to lack of suitable habitat. However, limited amount of Diegan coastal sage scrub occurs within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components is located within the 1-mile survey area.
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	long-spined spineflower	CNPS 1B.2, MSCP: No	Apr-Jul	Chaparral, coastal scrub, meadows, valley and foothill grassland. Gabbroic clay. 30-1450m.	Absent on site due to lack of suitable habitat. However, limited amount of Diegan coastal sage scrub occurs within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components and grassland habitat is abundant within the 1-mile survey area.
<i>Clarkia delicata</i>	delicate clarkia	CNPS 1B.2, MSCP: No	Apr-Jun	Cismontane woodland, chaparral. 235-1000m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.
<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i>	summer holly	CNPS 1B.2, MSCP: No	Apr-Jun	Chaparral. Often in mixed chaparral in California, sometimes post-burn. 30-550m.	Absent on site due to lack of suitable habitat.	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components is abundant within the 1-mile survey area.

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<i>Cordylanthus maritimus</i> ssp. <i>maritimus</i>	salt marsh bird's-beak	FE, CE, CNPS 1B.2, MSCP: Yes, NE	May-Oct	Coastal salt marsh, coastal dunes. Limited to the higher zones of the salt marsh habitat. 0-30m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species (LSA 2007).	Absent due to lack of suitable habitat.
<i>Cordylanthus orcuttianus</i>	Orcutt's bird's-beak	CNPS 2.1, MSCP: Yes	Apr-Jul	Coastal scrub. Found in coastal scrub associations on slopes; also reported from intermittently moist swales, and in washes. 100-200m	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).	Absent due to lack of suitable habitat. However, potential for occurrence in the Otay River Valley.
<i>Coreopsis maritima</i>	sea dahlia	CNPS 2.2, MSCP: No	Mar-May	Coastal scrub, coastal bluff scrub. Occurs on a variety of soil types, including sandstone. 5-150m.	Absent. Habitat on the project site is marginal. This species was not detected on the project site (LSA 2007).	Absent on site due to lack of suitable habitat.
<i>Corethrogyne filaginifolia</i> var. <i>incana</i>	San Diego sand aster	CNPS 1B.1, MSCP: No	Jun-Sep	Coastal scrub, coastal bluff scrub, chaparral. Most sites are disturbed, so hard to tell: possibly in disturbed sites and ecotones. 3-115m.	Low. Habitat on the project site is marginal. This species was not detected on the project site (LSA 2007).	Absent on site due to lack of suitable habitat.
<i>Cupressus forbesii</i>	Tecate cypress	CNPS 1B.1, MSCP: Yes	N/A	Closed-cone coniferous forest, chaparral. Primarily on north-facing slopes; groves often associated with chaparral. 250-1500m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.	Absent due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Deinandra conjugens</i>	Otay tarplant	FT, CE, CNPS 1B.1, MSCP: Yes, NE	May-Jun	Coastal scrub, valley and foothill grassland. Coastal plains, mesas, and river bottoms; often in open, disturbed areas; clay soils. 25-300m.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Dudleya attenuata</i> ssp. <i>orcuttii</i>	Orcutt's dudleya	CNPS 2.1, MSCP: No	May-Jul	Coastal scrub, coastal bluff scrub, chaparral. Rocky mesas, canyons, and ridges. 3-50m.	Absent. Habitat on the project site is marginal. This species was not detected on the project site, and would have been detected if present (LSA 2007).	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components is located within the 1-mile survey area.

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<i>Dudleya blochmaniae</i> ssp. <i>blochmaniae</i>	Blochman's dudleya	CNPS 1B.1, MSCP: No	Apr-Jun	Coastal scrub, coastal bluff scrub, valley and foothill grassland. Open, rocky slopes; often in shallow clays over serpentine or in rocky areas w/little soil. 5-450m.	Absent. Habitat on the project site is marginal. This species was not detected on the project site, and would have been detected if present (LSA 2007).	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub and grassland habitat is abundant within the 1-mile survey area.
<i>Dudleya variegata</i>	variegated dudleya	CNPS 1B.2, MSCP: Yes, NE	May-Jun	Chaparral, coastal scrub, cismontane woodland, valley and foothill grassland, vernal pools. In rocky or clay soils; sometimes associated with vernal pool margins. 3-550m.	Absent. Habitat on the project site is marginal. This species was not detected on the project site, and would have been detected if present (LSA 2007).	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Dudleya viscida</i>	sticky dudleya	CNPS 1B.2, MSCP: Yes	May-Jun	Coastal scrub, coastal bluff scrub, chaparral. On north and south-facing cliffs and banks. 10-550m.	Absent on site due to lack of suitable habitat. Project site is outside the current distribution of this species.	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components is located within the 1-mile survey area.
<i>Ericameria palmeri</i> ssp. <i>palmeri</i>	Palmer's goldenbush	CNPS 2.2, MSCP: Yes, NE	Sep-Nov	Coastal scrub, chaparral. On granitic soils, on steep hillsides. Mesic sites. 100-600m.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components is located within the 1-mile survey area.
<i>Eryngium aristulatum</i> var. <i>parishii</i>	San Diego button-celery	FE, CE, CNPS 1B.1, MSCP: Yes	Apr-Jun	Vernal pools, coastal scrub, valley and foothill grassland. San Diego mesa hardpan and claypan vernal pools & southern interior basalt flow vernal pools; usually surrounded by scrub. 15-620m.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the limited amount of Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).

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<i>Euphorbia misera</i>	cliff spurge	CNPS 2.2, MSCP: No	Dec-Aug	Coastal bluff scrub, coastal scrub. Rocky sites. 10-500m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species (LSA 2007).	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Ferocactus viridescens</i>	San Diego barrel cactus	CNPS 2.1, MSCP: Yes	May-Jun	Chaparral, Diegan coastal scrub, valley and foothill grassland. Often on exposed, level or south-sloping areas; often in coastal scrub near crest of slopes. 3-485m.	Habitat on the project site is marginal. This species was not detected on the project site (LSA 2007). Present within 1-mile radius (CNDDDB 2007).	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Frankenia palmeri</i>	Palmer's frankenia	CNPS 2.1, MSCP: No	May-Jul	Coastal dunes, marshes (coastal salt), playas. 0-10m.	Absent due to lack of suitable habitat.	Absent due to lack of suitable habitat.
<i>Fremontodendron mexicanum</i>	Mexican flannelbush	FE, CR, CNPS 1B.1, MSCP: No	Mar-Jun	Closed-cone coniferous forest, chaparral, cismontane woodland. Usually scattered along the borders of creeks or in dry canyons; sometimes on gabbro soils. 10-490m.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat.
<i>Geothallus tuberosus</i>	Campbell's liverwort	CNPS 1B.1, MSCP: No	N/A	Coastal scrub, vernal pools. Most suitable habitat Liverwort known from mesic soil. 10-600m.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the limited amount of Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the Diegan coastal sage scrub and grassland habitat is abundant within the 1-mile survey area. Additionally, a San Diego mesa claypan vernal pool occurs within the 1-mile radius (CNDDDB 2007).
<i>Isocoma menziesii</i> var. <i>decumbens</i>	decumbent goldenbush	CNPS 1B.2, MSCP: No	Apr-Nov	Coastal scrub. Sandy soils; often in disturbed sites. 10-910m.	Absent on site due to lack of suitable habitat. However, limited amount of Diegan coastal sage scrub occurs within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub is located within the 1-mile survey area.

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<i>Iva hayesiana</i>	San Diego marsh-elder	CNPS 2.2, MSCP: No	Apr-Oct	Marshes and swamps, playas. Riverwashes. 10-500m.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	CNPS 1B.1, MSCP: No	Feb-Jun	Coastal salt marshes, playas, valley and foothill grassland, vernal pools. Usually found on alkaline soils in playas, sinks, and grasslands. 1-1400m.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the limited amount of Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the Diegan coastal sage scrub and grassland habitat is abundant within the 1-mile survey area. Additionally, a San Diego mesa claypan vernal pool occurs within the 1-mile radius (CNDDDB 2007).
<i>Lepechinia ganderi</i>	Gander's pitcher sage	CNPS 1B.3, MSCP: Yes, NE	Jun-Jul	Closed-cone coniferous forest, chaparral, coastal scrub, valley and foothill grassland. Usually found in chaparral or coastal scrub; sometimes in Tecate cypress woodland. Gabbro or metavolcanic substrate. 300-1000m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	CNPS 1B.2, MSCP: No	Jan-Jul	Chaparral, coastal scrub. Dry soils, shrubland. 1-945m.	Low. Habitat on the project site is marginal. This species was not detected on the project site (LSA 2007).	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Lotus nuttallianus</i>	Nuttall's lotus	CNPS 1B.1, MSCP: No	Mar-Jun	Coastal dunes, coastal scrub. On sand dunes; plants are threatened by encroachment of exotics. 0-10m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species (LSA 2007).	Absent on site due to lack of suitable habitat.

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<i>Monardella hypoleuca</i> ssp. <i>lanata</i>	felt-leaved monardella	CNPS 1B.2, MSCP: Yes, NE	Jun-Aug	Chaparral, cismontane woodland. Occurs in understory in mixed chaparral, chamise chaparral, and southern oak woodland; sandy soil. 300-1575m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.
<i>Monardella stoneana</i>	Jennifer's monardella	CNPS 1B.2, MSCP: No	Jun-Sep	Coastal scrub, chaparral, closed cone coniferous forest, riparian scrub. Usually found in rocky, intermittent streambeds. 10-660m.	Absent on site due to lack of suitable habitat. However, limited amount of Diegan coastal sage scrub occurs within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub occurs within the 1-mile survey area.
<i>Muilla clevelandii</i>	San Diego goldenstar	CNPS 1B.1, MSCP: Yes	Apr-May	Chaparral, coastal scrub, valley and foothill grassland, vernal pools. Mesa grasslands, scrub edges; clay soils. Often on mounds between vernal pools in fine, sandy loam. 50-1090m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species (LSA 2007). However, limited amount of Diegan coastal sage scrub occurs within the 1-mile survey area.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Nama stenocarpum</i>	mud nama	CNPS 2.2, MSCP: No	Jan-Jul	Marshes and swamps. Lake shores, river banks, intermittently wet areas. 5-500m.	Absent on site due to lack of suitable habitat.	Absent on site due to lack of suitable habitat.
<i>Navarretia fossalis</i>	spreading navarretia	FT, CNPS 1B.1, MSCP: Yes	Apr-Jun	Vernal pools, chenopod scrub, marshes and swamps, playas. San Diego hardpan and San Diego claypan vernal pools; in swales and pools often surrounded by other habitat types. 30-1300m.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the limited amount of Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the Diegan coastal sage scrub and grassland habitat is abundant within the 1-mile survey area. Additionally, a San Diego mesa claypan vernal pool occurs within the 1-mile radius (CNDDDB 2007).

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<i>Navarretia prostrata</i>	prostrate navarretia	CNPS 1B.1, MSCP: No	Apr-Jul	Coastal scrub, valley and foothill grassland, vernal pools. Alkaline soils in grassland, or in vernal pools. 15-700m.	Absent on site due to lack of suitable habitat. However, limited suitable habitat may occur within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the Diegan coastal sage scrub and grassland habitat is abundant within the 1-mile survey area. Additionally, a San Diego mesa claypan vernal pool occurs within the 1-mile radius (CNDDDB 2007).
<i>Nemacaulis denudata</i> var. <i>denudata</i>	coast woolly-heads	CNPS 1B.2, MSCP: No	Apr-Sep	Coastal dunes. 0-100m.	Absent due to lack of suitable habitat.	Absent due to lack of suitable habitat.
<i>Nemacaulis denudata</i> var. <i>gracilis</i>	Slender woolly-heads	CNPS 2.2, MSCP: No	Apr-May	Coastal dunes, desert dunes, Sonoran desert scrub. In dunes or sand. 0-560m.	Absent due to lack of suitable habitat.	Absent due to lack of suitable habitat.
<i>Opuntia californica</i> var. <i>californica</i>	snake cholla	CNPS 1B.1, MSCP: Yes, NE	Apr-May	Chaparral, coastal scrub. 30-150m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species (LSA 2007).	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components is located within the 1-mile survey area.
<i>Orcuttia californica</i>	California Orcutt grass	FE, CE, CNPS 1B.1, MSCP: Yes	Apr-Aug	Vernal pools. 15-660m.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the limited amount of Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the Diegan coastal sage scrub and grassland habitat is abundant within the 1-mile survey area. Additionally, a San Diego mesa claypan vernal pool occurs within the 1-mile radius (CNDDDB 2007).

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<i>Ornithostaphylos oppositifolia</i>	Baja California birdbush	CE, CNPS 2.1, MSCP: No	Jan-Apr	Chaparral. Associated with <i>Ceanothus verrucosus</i> and <i>Salvia mellifera</i> in California. 55-800m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species (LSA 2007).	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components is located within the 1-mile survey area.
<i>Phacelia stellaris</i>	Brand's phacelia	FC, CNPS 1B.1, MSCP: No	Mar-Jun	Coastal scrub, coastal dunes. Open areas. 5-1515m.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat.
<i>Pogogyne nudiuscula</i>	Otay Mesa mint	FE, CE, CNPS 1B.1, MSCP: Yes	May-Jul	Vernal pools. Dry beds of vernal pools and moist swales with <i>Eryngium aristulatum</i> var. <i>parishii</i> and <i>Orcuttia californica</i> . 85-250m.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the limited amount of Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the Diegan coastal sage scrub and grassland habitat is abundant within the 1-mile survey area. Additionally, a San Diego mesa claypan vernal pool occurs within the 1-mile radius (CNDDDB 2007).
<i>Quercus dumosa</i>	Nuttall's scrub oak	CNPS 1B.1, MSCP: No	Feb-Apr	Closed-cone coniferous forest, chaparral, coastal scrub. Generally on sandy soils near the coast; sometimes on clay loam. 15-400m.	Absent. Habitat on the project site is marginal. This species was not detected on the project site, and would have been detected if present (LSA 2007).	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Ribes viburnifolium</i>	Santa Catalina Island currant	CNPS 1B.2, MSCP: No	Feb-Apr	Chaparral. Among shrubs in canyons. 30-300m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species (LSA 2007).	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components is located within the 1-mile survey area.
<i>Rosa minutifolia</i>	small-leaved rose	CE, CNPS 2.1, MSCP: Yes	Jan-Jun	Coastal scrub, chaparral. On cobbly soil at the head of a small, dry canyon on Otay Mesa. 150-160m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species (LSA 2007) and outside the current distribution.	Absent on site due to lack of suitable habitat. Project site is outside the current distribution for this species.

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Special-Status Species Potentially Occurring in the CVEUP Project Area

Scientific Name	Common Name	Status ^a	Season ^b	Primary Habitat ^c	Potential Occurrence in Project Area	Potential Occurrence in Offsite Construction Area
<i>Salvia munzii</i>	Munz' sage	CNPS 2.2, MSCP: No	Feb-Apr	Coastal scrub, chaparral. Rolling hills and slopes, in rocky soil. 120-1090m.	Absent on site due to lack of suitable habitat. However, limited amount of Diegan coastal sage scrub occurs within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components is located within the 1-mile survey area.
<i>Satureja chandleri</i>	San Miguel savory	CNPS 1B.2, MSCP: Yes	Mar-Jul	Chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland. Rocky, gabbroic or metavolcanic substrate. 120-1005m.	Absent on site due to lack of suitable habitat.	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components and grassland habitat is abundant within the 1-mile survey area.
<i>Senecio aphanactis</i>	rayless ragwort	CNPS 2.2, MSCP: No	Jan-Apr	Cismontane woodland, coastal scrub. Drying alkaline flats. 20-575m.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat.
<i>Sphaerocarpos drewei</i>	bottle liverwort	CNPS 1B.1, MSCP: No	N/A	Chaparral, coastal scrub. Much of suitable habitat lost to urbanization. Liverwort in openings; on soil. 90-600m.	Absent on site due to lack of suitable habitat. However, limited amount of Diegan coastal sage scrub occurs within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components is located within the 1-mile survey area.
<i>Stemodia durantifolia</i>	purple stemodia	CNPS 2.1, MSCP: No	Jan-Dec	Sonoran desert scrub. Sandy soils; mesic sites. 180-300m.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).	Absent on site due to lack of suitable habitat.
<i>Stylocline citroleum</i>	oil neststraw	CNPS 1B.1, MSCP: No	Mar-Apr	Chenopod scrub, coastal scrub. Flats, clay soils in oil-producing areas. 50-300m.	Absent on site due to lack of suitable habitat. However, limited amount of Diegan coastal sage scrub occurs within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, Diegan coastal sage scrub with chaparral components is located within the 1-mile survey area.
<i>Suaeda esteroa</i>	estuary seablite	CNPS 1B.2, MSCP: No	May-Oct	Marshes and swamps. Coastal salt marshes in clay, silt, and sand substrates. 0-5m.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.	Absent due to lack of suitable habitat. Project site is outside of the elevational range for this species.

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Scientific Name	Common Name	Status ^a	Season ^b	Primary Habitat ^c	Potential Occurrence in Project Area	Potential Occurrence in Offsite Construction Area
<i>Tetracoccus dioicus</i>	Parry's tetracoccus	CNPS 1B.2, MSCP: Yes	Apr-May	Chaparral, coastal scrub. Stony, decomposed gabbro soil. 150-1000m.	Absent due to lack of suitable habitat.	Absent due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
Insects and Crustacea						
<i>Branchinecta sandiegonensis</i>	San Diego fairy shrimp	FE, MSCP: Yes	RES	Endemic to San Diego vernal pools.	Absent on site due to lack of suitable habitat. However, vernal pools have a low likelihood to occur in the limited amount of Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the Diegan coastal sage scrub and grassland habitat is abundant within the 1-mile survey area. Additionally, a San Diego mesa claypan vernal pool occurs within the 1-mile radius (CNDDDB 2007).
<i>Euphydryas editha quino</i>	quino checkerspot butterfly	FE, MSCP: Yes	RES	Sunny openings within chaparral & coastal sage shrublands in parts of Riverside and San Diego counties. Hills & mesas near the coast. Need high densities of food plants.	Absent on site due to lack of suitable habitat. However, limited amount of open canopy Diegan coastal sage scrub occurs within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, abundant open canopy Diegan coastal sage scrub and chaparral with some clay soils and hilltops within 1-mile survey area.
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp	FE, MSCP: Yes	RES	Endemic to western Riverside, Orange, and San Diego counties in areas of tectonic swales/earth slump basins in grassland & coastal sage scrub. Inhabit seasonally astatic pools filled by winter/spring rains. Hatch in warm water later in the season.	Absent on site due to lack of suitable habitat. However, vernal pools have a low likelihood to occur in the limited amount of Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, vernal pools may occur in the Diegan coastal sage scrub and grassland habitat is abundant within the 1-mile survey area. Additionally, a San Diego mesa claypan vernal pool occurs within the 1-mile radius (CNDDDB 2007).

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Special-Status Species Potentially Occurring in the CVEUP Project Area

Scientific Name	Common Name	Status ^a	Season ^b	Primary Habitat ^c	Potential Occurrence in Project Area	Potential Occurrence in Offsite Construction Area
Amphibians						
<i>Bufo californicus</i>	arroyo toad	FE, CSC, MSCP: Yes	RES	Semi-arid regions near washes or intermittent streams, including valley-foothill and desert riparian, desert wash, etc. Rivers with sandy banks, willows, cottonwoods, and sycamores; loose, gravelly areas of streams in drier parts of range.	Absent on site due to lack of suitable habitat. However, potential for occurrence along habitat margins in Otay River.	Absent on site due to lack of suitable habitat. However, potential for occurrence along habitat margins in Otay River.
<i>Spea (=Scaphiopus) hammondi</i>	western spadefoot	CSC, MSCP: No	RES	Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands. Vernal pools are essential for breeding and egg-laying.	Absent on site due to lack of suitable habitat. However, vernal pools have a low likelihood to occur in the limited amount of Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, vernal pools have the potential to occur in the Diegan coastal sage scrub and grassland habitat within the 1-mile survey area. Additionally, a San Diego mesa claypan vernal pool occurs within the 1-mile radius (CNDDDB 2007).
Reptiles						
<i>Anniella pulchra pulchra</i>	silvery legless lizard	CSC, MSCP: No	RES	Sandy or loose loamy soils under sparse vegetation. Soil moisture is essential. They prefer soils with a high moisture content.	Absent on site due to lack of suitable habitat. However, potential for occurrence along habitat margins associated with Otay River.	Absent on site due to lack of suitable habitat. However, potential for occurrence along habitat margins associated with Otay River.
<i>Aspidoscelis hyperythra</i>	orange-throated whiptail	CSC, MSCP: Yes	RES	Inhabits low-elevation coastal scrub, chaparral, and valley-foothill hardwood habitats. Prefers washes & other sandy areas with patches of brush & rocks. Perennial plants necessary for its major food source is termites.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).

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Scientific Name	Common Name	Status ^a	Season ^b	Primary Habitat ^c	Potential Occurrence in Project Area	Potential Occurrence in Offsite Construction Area
<i>Crotalus ruber ruber</i>	northern red-diamond rattlesnake	CSC, MSCP: No	RES	Chaparral, woodland, grassland, & desert areas from coastal San Diego county to the eastern slopes of the mountains. Occurs in rocky areas & dense vegetation. Needs rodent burrows, cracks in rocks or surface cover objects.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. Potential for occurrence in the Diegan coastal sage scrub, and grassland habitat that is abundant within the 1-mile survey area.
<i>Eumeces skiltonianus interparietalis</i>	Coronado skink	CSC, MSCP: No	RES	Grassland, chaparral, pinon-juniper & juniper sage woodland, pine-oak & pine forests in coast ranges of southern California. Prefers early successional stages or open areas. Found in rocky areas close to streams & on dry hillsides.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the Diegan coastal sage scrub and grassland habitat within the 1-mile survey area.
<i>Phrynosoma coronatum</i> (blainvillii population)	Coast (San Diego) horned lizard	CSC, MSCP: Yes	RES	Inhabits coastal sage scrub and chaparral in arid and semi-arid climate conditions Prefers friable, rocky, or shallow sandy soils.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).	Absent on site due to lack of suitable habitat. Moderate potential within the Diegan coastal sage scrub, chaparral, and grassland habitat that is abundant within the 1-mile survey area.
<i>Salvadora hexalepis virgulata</i>	coast patch-nosed snake	CSC, MSCP: No	RES	Brushy or shrubby vegetation in coastal southern California. Require small mammal burrows for refuge and overwintering sites.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the Diegan coastal sage scrub and grassland habitat within the 1-mile survey area.

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Special-Status Species Potentially Occurring in the CVEUP Project Area

Scientific Name	Common Name	Status ^a	Season ^b	Primary Habitat ^c	Potential Occurrence in Project Area	Potential Occurrence in Offsite Construction Area
<i>Thamnophis hammondi</i>	two-striped garter snake	CSC, MSCP: No	RES	Coastal California from vicinity of Salinas to northwest Baja California. From sea level to about 7,000 ft elevation. Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth.	Absent on site due to lack of suitable habitat. However, potential for occurrence along sections of Otay River.	Absent on site due to lack of suitable habitat. However, potential for occurrence along sections of Otay River.
Birds						
<i>Accipiter cooperii</i>	Cooper's hawk	CSC, MSCP: Yes	RES	Nest sites mainly in riparian growths of deciduous trees located in canyon bottoms, along streams, or other woodland habitat (typically oak or urban).	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River and urban woodlands within the 1-mile survey area.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River and urban woodlands within the 1-mile survey area.
<i>Agelaius tricolor</i>	Tricolored blackbird	CSC, MSCP: Yes	SUMR	(Nesting colony) highly colonial species, most numerous in central valley & vicinity. Largely endemic to California. Requires open water, protected nesting substrate, & foraging area with insect prey within a few km of the colony.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.
<i>Aimophila ruficeps canescens</i>	Southern California rufous-crowned sparrow	CSC, MSCP: Yes	RES	Resident in southern California coastal sage scrub and sparse mixed chaparral. Frequents relatively steep, often rocky hillsides with grass & forb patches.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).

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Special-Status Species Potentially Occurring in the CVEUP Project Area

Scientific Name	Common Name	Status ^a	Season ^b	Primary Habitat ^c	Potential Occurrence in Project Area	Potential Occurrence in Offsite Construction Area
<i>Amphispiza belli</i>	Bell's sage sparrow	CSC, MSCP: No	RES	(Nesting) nests in chaparral dominated by fairly dense stands of chamise. Found in coastal sage scrub in south of range. Nest located on the ground beneath a shrub or in a shrub 6-18 inches above ground. Territories about 50 yds apart.	Absent on site due to lack of suitable habitat.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the areas where the Diegan coastal sage scrub contains chaparral components within the 1-mile survey area.
<i>Athene cucularia</i>	Burrowing owl	CSC, MSCP: Yes	RES	Open, dry annual or perennial grasslands, deserts & scrublands characterized by low-growing vegetation. Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the grassland habitat within the 1-mile survey area.
<i>Campylorhynchus brunneicapillus sandiegensis</i>	coastal cactus wren	CSC, MSCP: Yes	RES	Southern California coastal sage scrub. Wrens require tall <i>Opuntia</i> cactus for nesting and roosting.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Charadrius alexandrinus nivosus</i>	western snowy plover	FT, CSC, MSCP: Yes	SUMR	Sandy beaches, salt pond levees & shores of large alkali lakes. Needs sandy, gravelly or friable soils for nesting.	Absent due to lack of suitable habitat.	Absent due to lack of suitable habitat.
<i>Circus cyaneus</i>	northern harrier	CSC, MSCP: Yes	RES	Coastal salt & fresh-water marsh. Nests & forages in primarily grassland habitat. Nests on ground in shrubby vegetation, usually at marsh edge; nest built of a large mound of sticks in wet areas.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat. However, potential for occurrence within the 1-mile survey area in the grassland habitat in the vicinity of the Otay River.

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Special-Status Species Potentially Occurring in the CVEUP Project Area

Scientific Name	Common Name	Status ^a	Season ^b	Primary Habitat ^c	Potential Occurrence in Project Area	Potential Occurrence in Offsite Construction Area
<i>Coccyzus americanus occidentalis</i>	Western yellow-billed cuckoo	FC, CE, MSCP: No	SUMR	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems. Nests in riparian jungles of willow, often mixed with cottonwoods, w/ lower story of blackberry, nettles, or wild grape. Presumed extirpated from San Diego.	Absent on site due to lack of suitable habitat.	Absent on site due to lack of suitable habitat.
<i>Dendroica petechia brewsteri</i>	Yellow warbler	CSC, MSCP: No	SUMR	(Nesting) riparian plant associations. Prefers willows, cottonwoods, aspens, sycamores, & alders for nesting & foraging. Also nests in montane shrubbery in open conifer forests.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.
<i>Empidonax traillii extimus</i>	southwestern willow flycatcher	FE, MSCP: Yes	SUMR	Riparian woodlands in southern California.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.
<i>Eremophila alpestris actia</i>	California horned lark	CSC, MSCP: No	RES	Coastal regions, chiefly from Sonoma to San Diego counties. Also main part of San Joaquin Valley & east to foothills. Short-grass prairie, mountain meadows, open coastal plains, fallow grain fields, alkali flats.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the grassland habitat within the 1-mile survey area.
<i>Falco peregrinus anatum</i>	American peregrine falcon	FD, CE, MSCP: Yes	RES	Near wetlands, lakes, rivers, or other water; on cliffs, banks, dunes, mounds; also, human-made structures. Nest consists of a scrape on a depression or ledge in an open site.	Absent due to lack of suitable habitat.	Absent due to lack of suitable habitat.

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Special-Status Species Potentially Occurring in the CVEUP Project Area

Scientific Name	Common Name	Status ^a	Season ^b	Primary Habitat ^c	Potential Occurrence in Project Area	Potential Occurrence in Offsite Construction Area
<i>Icteria virens</i>	yellow-breasted chat	CSC, MSCP: Yes	SUMR	Nesting) summer resident; inhabits riparian thickets of willow & other brushy tangles near watercourses. Nests in low, dense riparian, consisting of willow, blackberry, wild grape; forage and nest w/in 10 ft of ground.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.
<i>Laterallus jamaicensis coturniculus</i>	California black rail	CT, MSCP: No	SUMR	Inhabits freshwater marshes, wet meadows & shallow margins of saltwater marshes bordering larger bays. Needs water depths of about 1 inch that does not fluctuate during the year & dense vegetation for nesting habitat.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.
<i>Pandion haliaetus</i>	Osprey	CSC, MSCP: No	RES	Ocean shore, bays, fresh-water lakes, and larger streams. Large nests built in tree-tops within 15 miles of a good fish-producing body of water.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.
<i>Passerculus sandwichensis beldingi</i>	Belding's savannah sparrow	CE, MSCP: Yes	RES	Inhabits coastal salt marshes, from Santa Barbara south through San Diego county. Nests in <i>Salicornia</i> on and about margins of tidal flats.	Absent due to lack of suitable habitat.	Absent due to lack of suitable habitat.
<i>Pelecanus occidentalis californicus</i>	California brown pelican	FE, CE, MSCP: Yes	RES	Colonial nester on coastal islands just outside the surf line. Nests on coastal islands of small to moderate size which afford immunity from attack by ground-dwelling predators.	Absent due to lack of suitable habitat.	Absent due to lack of suitable habitat.

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<i>Phalacrocorax auritus</i>	double-crested cormorant	CSC, MSCP: No	RES	Colonial nester on coastal cliffs, offshore islands, & along lake margins in the interior of the state. Nests along coast on sequestered islets, usually on ground with sloping surface, or in tall trees along lake margins.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.
<i>Polioptila californica californica</i>	Coastal California gnatcatcher	FT, CSC, MSCP: Yes	RES	Obligate, permanent resident of coastal sage scrub below 2500 ft in southern California. Low, coastal sage scrub in arid washes, on mesas & slopes. Not all areas classified as coastal sage scrub are occupied.	Absent on site due to lack of suitable habitat. However, a female gnatcatcher was observed during the reconnaissance survey in the Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Rallus longirostris levipes</i>	light-footed clapper rail	FE, CE, MSCP: Yes	RES	Found in salt marshes traversed by tidal sloughs, where cordgrass and pickleweed are the dominant vegetation. Requires dense growth of either pickleweed or cordgrass for nesting or escape cover; feeds on molluscs and crustaceans.	Absent due to lack of suitable habitat.	Absent due to lack of suitable habitat.
<i>Sterna antillarum browni</i>	California least tern	FE, CE, MSCP: Yes	SUMR	Nests along the coast from San Francisco Bay south to northern Baja California. Colonial breeder on bare or sparsely vegetated, flat substrates: sand beaches, alkali flats, land fills, or paved areas.	Absent due to lack of suitable habitat.	Absent due to lack of suitable habitat.

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<i>Vireo bellii pusillus</i>	least Bell's vireo	FE, CE, MSCP: Yes	SUMR	(Nesting) 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 or on twigs projecting into pathways, usually willow, mule fat, mesquite.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
Mammals						
<i>Antrozous pallidus</i>	pallid bat	CSC, MSCP: No	RES	Deserts, grasslands, shrublands, woodlands & forests. Most common in open, dry habitats with rocky areas for roosting. Roosts must protect bats from high temperatures. Very sensitive to disturbance of roosting sites.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the rocky areas of the Diegan coastal sage scrub habitat within the 1-mile survey area.
<i>Chaetodipus fallax fallax</i>	northwestern San Diego pocket mouse	CSC, MSCP: No	RES	Coastal scrub, chaparral, grasslands, sagebrush, etc. In western San Diego county. Sandy, herbaceous areas, usually in association with rocks or coarse gravel.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the Diegan coastal sage scrub within the 1-mile survey area.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Choeronycteris mexicana</i>	Mexican long-tongued bat	CSC, MSCP: No	RES	Occasionally found in San Diego county, which is on the periphery of their range. Feeds on nectar & pollen of night-blooming succulents. Roosts in relatively well-lit caves, and in & around buildings. Rare visitor.	Potential for occurrence within the structures on site and abandoned buildings in the vicinity.	Absent on site due to lack of suitable habitat. Potential for occurrence within surrounding structures and abandoned buildings within the 1-mile survey area.

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<i>Eumops perotis californicus</i>	western mastiff bat	CSC, MSCP: No	RES	Many open, semi-arid to arid habitats, including conifer & deciduous woodlands, coastal scrub, grasslands, chaparral etc Roosts in crevices in cliff faces, high buildings, trees & tunnels.	Potential for occurrence within the structures on site and abandoned buildings in the vicinity. Present within 1-mile radius (CNDDDB 2007).	Absent on site due to lack of suitable habitat. Potential for occurrence within surrounding structures and abandoned buildings and in the rocky areas of the Diegan coastal sage scrub habitat within the 1-mile survey area.
<i>Lasiurus xanthinus</i>	Western yellow bat	MSCP: No	RES	Found in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats. Roosts in trees, particularly palms. Forages over water and among trees. Rare visitor.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.	Absent on site due to lack of suitable habitat. However, potential for occurrence within riparian habitat along Otay River.
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit	CSC, MSCP: No	RES	Intermediate canopy stages of shrub habitats & open shrub / herbaceous & tree / herbaceous edges. Coastal sage scrub habitats in southern California.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the Diegan coastal sage scrub habitat within the 1-mile survey area.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	CSC, MSCP: No	RES	Occurs in coastal sage scrub and chaparral, most commonly associated with rock outcrops and slopes.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the Diegan coastal sage scrub habitat within the 1-mile survey area.	Absent on site due to lack of suitable habitat. Present within 1-mile radius (CNDDDB 2007).
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat	CSC, MSCP: No	RES	Variety of arid areas in southern California, including pine-juniper woodlands, desert scrub, palm oasis, desert wash, desert riparian, etc. Rocky areas with high cliffs.	Absent due to lack of suitable habitat.	Absent due to lack of suitable habitat.

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Special-Status Species Potentially Occurring in the CVEUP Project Area

Scientific Name	Common Name	Status ^a	Season ^b	Primary Habitat ^c	Potential Occurrence in Project Area	Potential Occurrence in Offsite Construction Area
Nyctinomops macrotis	big free -tailed bat	CSC, MSCP: No	RES	Low-lying arid areas in southern California. Need high cliffs or rocky outcrops for roosting sites. Feeds principally on large moths.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the rocky areas of the Diegan coastal sage scrub habitat within the 1-mile survey area.
Perognathus longimembris pacificus	Pacific pocket mouse	FE, CSC, MSCP: No	RES	Inhabits the narrow coastal plains from the Mexican border north to El Segundo, Los Angeles county. Seems to prefer soils of fine alluvial sands near the ocean, but much remains to be learned.	Absent due to lack of suitable habitat.	Absent due to lack of suitable habitat.
Taxidea taxus	American badger	CSC, MSCP: Yes	RES	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. Need sufficient food, friable soils & open, uncultivated ground. Prey on burrowing rodents. Dig burrows.	Absent due to lack of suitable habitat.	Absent on site due to lack of suitable habitat. However, potential for occurrence in the Diegan coastal sage scrub and grassland habitat within the 1-mile survey area.

Notes:

^a Status.Federal Status

FE – federally listed as endangered

FT - federally listed as threatened

FD - federally delisted

State Status

CE – state listed as endangered

CT - state listed as threatened

CR – state rare

CSC – state species of concern

California Native Plant Society (CNPS) Status

1A – plants presumed extinct in California

1B – plants rare, threatened, or endangered in California, but more common elsewhere

2 - plants rare, threatened, or endangered in California, but more common elsewhere

Multiple Species Conservation Plan (MSCP), Chula Vista Subarea Plan

Yes – covered species

No – not a covered species

NE – narrow endemic species

^b **Season.** Blooming period for plants. Season of use for animals. RES=Resident; SUMR=Summer; WNTR=Winter

^c **Primary Habitat.** Most likely habitat association

Sources: (Imperial Beach, Jamul Mountains, National City, Otay Mesa, and Point Loma Quads searched) California Department of Fish and Game. Natural Diversity Database Program "Rarefind". California Natural Diversity Database. The Resources Agency, Sacramento.

California Native Plant Society. 2007. Inventory of Rare and Endangered Plants (online 7th edition). California Native Plant Society. Sacramento, CA.