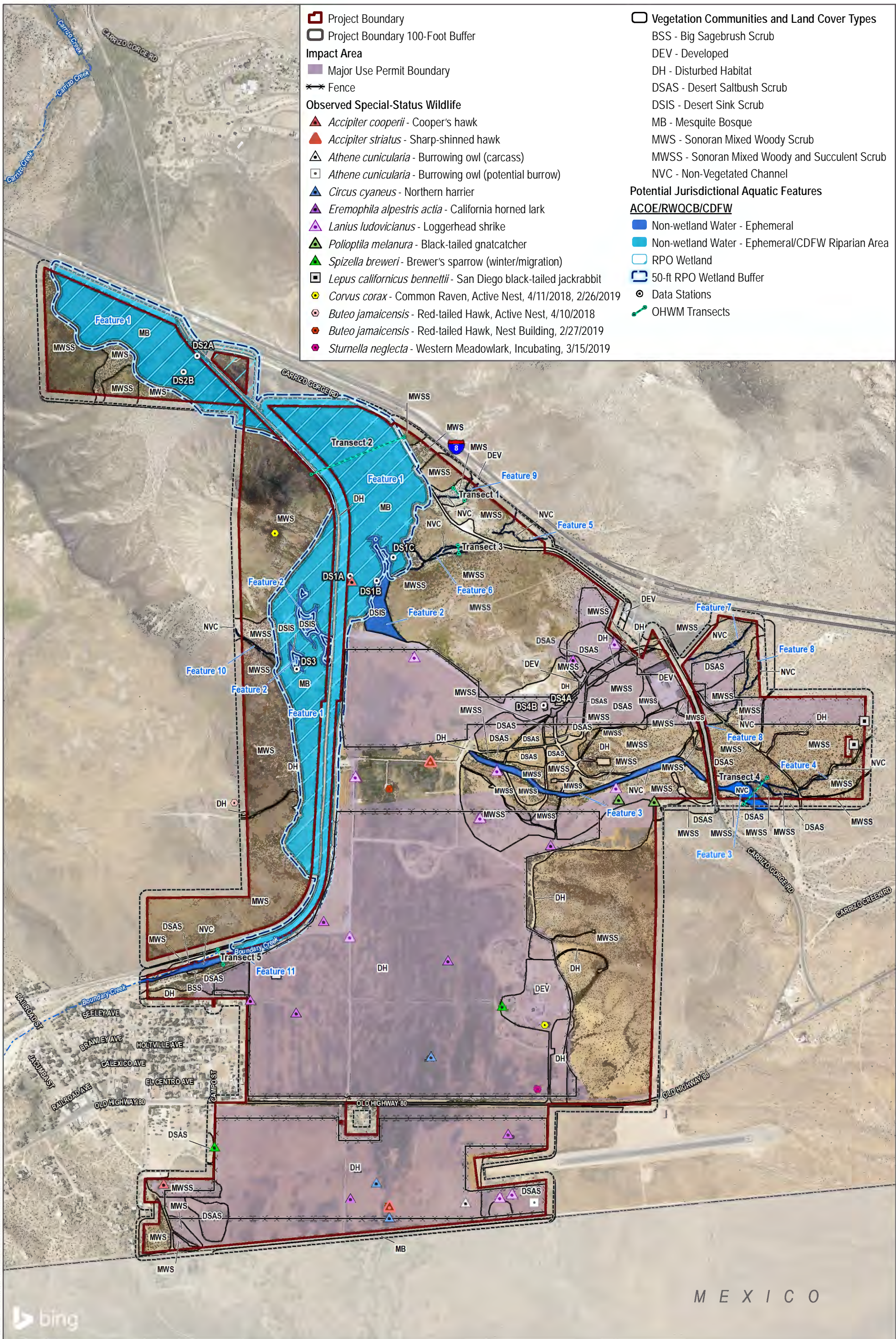


SOURCE: SANGIS 2017, 2019; ESRI 2019

FIGURE 1-1
Project Location



SOURCE: BayWa 2019; SANGIS 2017

FIGURE 5-1
Impacts to Biological Resources
Jacumba Valley Ranch Energy Park Project

Appendix A

Special-Status Plant Species Potential to Occur on Site

| Scientific Name | Common Name | Status (Federal/State/ County of San Diego/CRPR/ MSCP) | Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet) | Potential to Occur |
|---|---------------------------|--|---|---|
| <i>Acmispon haydonii</i> | pygmy lotus | None/None/ List A/1B.3/None | Pinyon and juniper woodland, Sonoran desert scrub; rocky/perennial herb/Jan–June/1705–3935 | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Astragalus douglasii</i> var. <i>perstrictus</i> | Jacumba milk-vetch | None/None/ List A/1B.2/None | Chaparral, Cismontane woodland, Pinyon and juniper woodland, Riparian scrub, Valley and foothill grassland; rocky/perennial herb/Apr–June/2950–4495 | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Astragalus insularis</i> var. <i>harwoodii</i> | Harwood's milk-vetch | None/None/List B/2B.2/None | Desert dunes, Mojavean desert scrub; sandy or gravelly/annual herb/Jan–May/0–2330 | Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present. Occurrence within 5 miles (CDFW 2017). |
| <i>Ayenia compacta</i> | California ayenia | None/None/ List B/2B.3/None | Mojavean desert scrub, Sonoran desert scrub; rocky/perennial herb/Mar–Apr/490–3595 | Potential to occur. |
| <i>Berberis fremontii</i> | Fremont barberry | None/None/ List C/2B.3/None | Joshua tree woodland, Pinyon and juniper woodland; Rocky, sometimes granitic/perennial evergreen shrub/Mar–May/3755–5645 | Not expected to occur. The site is outside of the species' known elevation range. |
| <i>Berberis higginsiae</i> | Higgins? barberry | None/None/None/3.2/ None | Chaparral, Sonoran desert scrub; Rocky, sometimes granitic/perennial shrub/Mar–Apr/2620–3495 | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Bursera microphylla</i> | little-leaf elephant tree | None/None/ List B/2B.3/None | Sonoran desert scrub (rocky)/perennial deciduous tree/June–July/655–2295 | Not expected to occur. The site is outside of the species' known elevation range. |
| <i>Calliandra eriophylla</i> | pink fairy-duster | None/None/ List B/2B.3/None | Sonoran desert scrub (sandy or rocky)/perennial deciduous shrub/Jan–Mar/390–4920 | Potential to occur. |
| <i>Carlwrightia</i> | Arizona | None/None/ List | Sonoran desert scrub (sandy, granitic | Not expected to occur. The site is |

Appendix A (Continued)

| Scientific Name | Common Name | Status (Federal/State/ County of San Diego/CRPR/ MSCP) | Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet) | Potential to Occur |
|---|-----------------------------|--|---|---|
| <i>arizonica</i> | carlowrightia | B/2B.2/None | alluvium)/perennial deciduous shrub/Mar– May/935–1410 | outside of the species' known elevation range. |
| <i>Caulanthus simulans</i> | Payson's jewelflower | None/None/ List D/4.2/None | Chaparral, Coastal scrub; sandy, granitic/annual herb/(Feb)Mar– May(June)/295–7220 | Potential to occur. |
| <i>Chorizanthe leptotheca</i> | Peninsular spineflower | None/None/ List D/4.2/None | Chaparral, Coastal scrub, Lower montane coniferous forest; alluvial fan, granitic/annual herb/May–Aug/980–6235 | Potential to occur. |
| <i>Chorizanthe polygonoides var. longispina</i> | long-spined spineflower | None/None/ List A/1B.2/None | Chaparral, Coastal scrub, Meadows and seeps, Valley and foothill grassland, Vernal pools; often clay/annual herb/Apr–July/95– 5020 | Potential to occur. |
| <i>Clarkia delicata</i> | delicate clarkia | None/None/ List A/1B.2/None | Chaparral, Cismontane woodland; often gabbroic/annual herb/Apr–June/770–3280 | Potential to occur. |
| <i>Cylindropuntia fosbergii</i> | pink teddy-bear cholla | None/None/None/1B. 3/None | Sonoran desert scrub/perennial stem succulent/Mar–May/275–2790 | Potential to occur. |
| <i>Cylindropuntia wolfii</i> | Wolf's cholla | None/None/ List D/4.3/None | Sonoran desert scrub/perennial stem succulent/Mar–May/325–3935 | Potential to occur. |
| <i>Deinandra floribunda</i> | Tecate tarplant | None/None/ List A/1B.2/None | Chaparral, Coastal scrub/annual herb/Aug– Oct/225–4005 | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Delphinium parishii</i> ssp. <i>subglobosum</i> | Colorado Desert larkspur | None/None/ List D/4.3/None | Chaparral, Cismontane woodland, Pinyon and juniper woodland, Sonoran desert scrub/perennial herb/Mar–June/1965–5905 | Potential to occur. |
| <i>Dieteria asteroides</i> var. <i>lagunensis</i> | Mt. Laguna aster | None/SR/ List B/2B.1/None | Cismontane woodland, Lower montane coniferous forest/perennial herb/(May)July– Aug/2590–7875 | Not expected to occur. No suitable vegetation present. Occurrence within 5 miles (CDFW 2017). |
| <i>Diplacus aridus</i> | low bush monkeyflower | None/None/ List D/4.3/None | Chaparral (rocky), Sonoran desert scrub/perennial evergreen shrub/Apr– July/2460–3935 | Potential to occur. |
| <i>Ericameria</i> | Laguna | None/None/ List | Chaparral (granitic)/perennial shrub/Sep– | Not expected to occur. The site is |

Appendix A (Continued)

| Scientific Name | Common Name | Status (Federal/State/ County of San Diego/CRPR/ MSCP) | Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet) | Potential to Occur |
|---|--------------------------------------|--|--|---|
| <i>cuneata</i> var. <i>macrocephala</i> | Mountains goldenbush | A/1B.3/None | Dec/3920–6070 | outside of the species' known elevation range. |
| <i>Eryngium</i> <i>aristulatum</i> var. <i>parishii</i> | San Diego button-celery | FE/SE/ List A/1B.1/Covered | Coastal scrub, Valley and foothill grassland, Vernal pools; mesic/annual / perennial herb/Apr–June/65–2035 | Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present. Occurrence within 5 miles (CDFW 2017). |
| <i>Erythranthe</i> <i>diffusa</i> | Palomar monkeyflower | None/None/ List D/4.3/None | Chaparral, Lower montane coniferous forest; sandy or gravelly/annual herb/Apr–June/4000– 6005 | Not expected to occur. The site is outside of the species' known elevation range. |
| <i>Eucnide</i> <i>rupestris</i> | annual rock- nettle | None/None/ List B/2B.2/None | Sonoran desert scrub/annual herb/Dec– Apr/1640–1970 | Not expected to occur. The site is outside of the species' known elevation range. |
| <i>Euphorbia</i> <i>abramsiana</i> | Abrams' spurge | None/None/None/2B. 2/None | Mojavean desert scrub, Sonoran desert scrub; sandy/annual herb/(Aug)Sep–Nov/-15–4300 | Potential to occur. |
| <i>Euphorbia</i> <i>arizonica</i> | Arizona spurge | None/None/ List B/2B.3/None | Sonoran desert scrub (sandy)/perennial herb/Mar–Apr/160–985 | Not expected to occur. The site is outside of the species' known elevation range. Occurrence within 5 miles (CDFW 2017). |
| <i>Galium</i> <i>angustifolium</i> ssp. <i>borregoense</i> | Borrego bedstraw | None/SR/ List A/1B.3/None | Sonoran desert scrub (rocky)/perennial herb/Mar(May)/1145–4100 | Potential to occur. |
| <i>Galium</i> <i>angustifolium</i> ssp. <i>jacinticum</i> | San Jacinto Mountains bedstraw | None/None/ List A/1B.3/None | Lower montane coniferous forest/perennial herb/June–Aug/4425–6890 | Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present. |
| <i>Geraea viscida</i> | sticky geraea | None/None/ List B/2B.2/None | Chaparral (often in disturbed areas)/perennial herb/(Apr)May–June/1475–5575 | Potential to occur. Occurrence within 5 miles (CDFW 2017). |

Appendix A (Continued)

| Scientific Name | Common Name | Status (Federal/State/ County of San Diego/CRPR/ MSCP) | Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet) | Potential to Occur |
|--|---------------------------|--|--|---|
| <i>Harpagonella palmeri</i> | Palmer's grapplinghook | None/None/ List D/4.2/None | Chaparral, Coastal scrub, Valley and foothill grassland; Clay; open grassy areas within shrubland/annual herb/Mar–May/65–3135 | Potential to occur. |
| <i>Herissantia crispa</i> | curly herissantia | None/None/ List B/2B.3/None | Sonoran desert scrub/annual / perennial herb/(Apr)Aug–Sep/2295–2380 | Not expected to occur. The site is outside of the species' known elevation range. Occurrence within 5 miles (CDFW 2017). |
| <i>Heuchera brevistaminea</i> | Laguna Mountains alumroot | None/None/ List A/1B.3/None | Broadleafed upland forest, Chaparral, Cismontane woodland, Riparian forest; rocky/perennial rhizomatous herb/Apr–July(Sep)/4490–6560 | Not expected to occur. The site is outside of the species' known elevation range. |
| <i>Horsfordia newberryi</i> | Newberry's velvet-mallow | None/None/ List D/4.3/None | Sonoran desert scrub (rocky)/perennial shrub/Feb, Apr, Nov, Dec/5–2625 | Not expected to occur. The site is outside of the species' known elevation range. |
| <i>Hulsea californica</i> | San Diego sunflower | None/None/ List A/1B.3/None | Chaparral, Lower montane coniferous forest, Upper montane coniferous forest; openings and burned areas/perennial herb/Apr–June/3000–9565 | Potential to occur. |
| <i>Hulsea mexicana</i> | Mexican hulsea | None/None/ List B/2B.3/None | Chaparral (volcanic, often on burns or disturbed areas)/annual / perennial herb/Apr–June/3935–3935 | Not expected to occur. The site is outside of the species' known elevation range. Occurrence within 5 miles (CDFW 2017). |
| <i>Ipomopsis tenuifolia</i> | slender-leaved ipomopsis | None/None/ List B/2B.3/None | Chaparral, Pinyon and juniper woodland, Sonoran desert scrub; gravelly or rocky/perennial herb/Mar–May/325–3935 | Potential to occur. Occurrence overlapping project boundary (CDFW 2017). |
| <i>Isocoma menziesii</i> var. <i>decumbens</i> | decumbent goldenbush | None/None/ List A/1B.2/None | Chaparral, Coastal scrub (sandy, often in disturbed areas)/perennial shrub/Apr–Nov/30–445 | Not expected to occur. The site is outside of the species' known elevation range. Occurrence within 5 miles (CDFW 2017). |
| <i>Johnstonella</i> | winged | None/None/ List | Mojavean desert scrub, Sonoran desert | Potential to occur. |

Appendix A (Continued)

| Scientific Name | Common Name | Status (Federal/State/ County of San Diego/CRPR/ MSCP) | Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet) | Potential to Occur |
|--|------------------------------------|--|---|--|
| <i>holoptera</i> | cryptantha | D/4.3/None | scrub/annual herb/Mar–Apr/325–5545 | |
| <i>Juncus acutus</i> <i>ssp. leopoldii</i> | southwestern spiny rush | None/None/ List D/4.2/None | Coastal dunes (mesic), Meadows and seeps (alkaline seeps), Marshes and swamps (coastal salt)/perennial rhizomatous herb/(Mar)May–June/5–2955 | Not expected to occur. No suitable vegetation present. |
| <i>Lathyrus</i> <i>splendens</i> | pride-of- California | None/None/ List D/4.3/None | Chaparral/perennial herb/Mar–June/655–5005 | Potential to occur. |
| <i>Linanthus bellus</i> | desert beauty | None/None/ List B/2B.1/None | Chaparral (sandy)/annual herb/Apr– May/3280–4595 | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Linanthus</i> <i>maculatus ssp.</i> <i>emaculatus</i> | Jacumba Mountains linanthus | None/None/None/1B. 1/None | Desert dunes (edges), Sonoran desert scrub; Sandy or coarse, opaque-white, decomposed granite soils of washes and on flats near wash margins/annual herb/(Mar)Apr(May)/1295– 1920 | Not expected to occur. The site is outside of the species' known elevation range. |
| <i>Lupinus albifrons</i> <i>var. medius</i> | Mountain Springs bush lupine | None/None/ List A/1B.3/None | Pinyon and juniper woodland, Sonoran desert scrub/perennial shrub/Mar–May/1390–4495 | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Lycium parishii</i> | Parish's desert- thorn | None/None/ List B/2B.3/None | Coastal scrub, Sonoran desert scrub/perennial shrub/Mar–Apr/440–3280 | Potential to occur. |
| <i>Malperia tenuis</i> | brown turbans | None/None/ List B/2B.3/None | Sonoran desert scrub (sandy, gravelly)/annual herb/(Feb)Mar–Apr/45–1100 | Not expected to occur. The site is outside of the species' known elevation range. |
| <i>Matelea</i> <i>parvifolia</i> | spearleaf | None/None/ List B/2B.3/None | Mojavean desert scrub, Sonoran desert scrub; rocky/perennial herb/Mar–May(July)/1440– 3595 | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Mentzelia</i> <i>hirsutissima</i> | hairy stickleaf | None/None/ List B/2B.3/None | Sonoran desert scrub (rocky)/annual herb/Mar–May/0–2295 | Not expected to occur. The site is outside of the species' known elevation range. Occurrence within 5 miles (CDFW 2017). |

Appendix A (Continued)

| Scientific Name | Common Name | Status (Federal/State/ County of San Diego/CRPR/ MSCP) | Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet) | Potential to Occur |
|---|------------------------------------|--|---|---|
| <i>Mentzelia tricuspis</i> | spiny-hair blazing star | None/None/None/2B. 1/None | Mojavean desert scrub; sandy, gravelly, slopes, and washes/annual herb/Mar– May/490–4200 | Not expected to occur. No suitable vegetation present. Occurrence within 5 miles (CDFW 2017). |
| <i>Mentzelia tridentata</i> | creamy blazing star | None/None/None/1B. 3/None | Mojavean desert scrub; rocky, gravelly, sandy/annual herb/Mar–May/2295–3855 | Not expected to occur. No suitable vegetation present. |
| <i>Mirabilis tenuiloba</i> | slender-lobed four o'clock | None/None/ List D/4.3/None | Sonoran desert scrub/perennial herb/(Feb)Mar–May/750–3595 | Potential to occur. |
| <i>Nemacaulis denudata</i> var. <i>gracilis</i> | slender cottonheads | None/None/ List B/2B.2/None | Coastal dunes, Desert dunes, Sonoran desert scrub/annual herb/(Mar)Apr–May/-160–1310 | Not expected to occur. The site is outside of the species' known elevation range. |
| <i>Petalonyx linearis</i> | narrow-leaf sandpaper- plant | None/None/None/2B. 3/None | Mojavean desert scrub, Sonoran desert scrub; Sandy or rocky canyons/perennial shrub/(Jan– Feb)Mar–May(June–Dec)/-80–3660 | Potential to occur. |
| <i>Pholistoma auritum</i> var. <i>arizonicum</i> | Arizona pholistoma | None/None/None/2B. 3/None | Mojavean desert scrub/annual herb/Mar/900– 2740 | Not expected to occur. No suitable vegetation present. Occurrence within 5 miles (CDFW 2017). |
| <i>Pickeringia montana</i> var. <i>tomentosa</i> | woolly chaparral-pea | None/None/None/4.3/ None | Chaparral; Gabbroic, granitic, clay/evergreen shrub/May–Aug/0–5575 | Potential to occur. |
| <i>Pilostyles thurberi</i> | Thurber's pilostyles | None/None/ List D/4.3/None | Sonoran desert scrub/perennial herb (parasitic)/Dec–Apr/0–1200 | Not expected to occur. The site is outside of the species' known elevation range. |
| <i>Proboscidea althaeifolia</i> | desert unicorn- plant | None/None/ List D/4.3/None | Sonoran desert scrub; gently sloping sandy flats and washes, sometimes roadsides/perennial herb/May–Sep(Oct)/275– 3280 | Potential to occur. |
| <i>Pseudorontium cyathiferum</i> | Deep Canyon snapdragon | None/None/None/2B. 3/None | Sonoran desert scrub (rocky)/annual herb/Feb–Apr/0–2625 | Not expected to occur. The site is outside of the species' known elevation range. |

Appendix A (Continued)

| Scientific Name | Common Name | Status (Federal/State/ County of San Diego/CRPR/ MSCP) | Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet) | Potential to Occur |
|--------------------------------------|-------------------------|--|--|--|
| <i>Selaginella eremophila</i> | desert spike- moss | None/None/ List B/2B.2/None | Chaparral, Sonoran desert scrub (gravelly or rocky)/perennial rhizomatous herb/(May)June(July)/655–4250 | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Senecio aphanactis</i> | chaparral ragwort | None/None/ List B/2B.2/None | Chaparral, Cismontane woodland, Coastal scrub; sometimes alkaline/annual herb/Jan– Apr(May)/45–2625 | Not expected to occur. The site is outside of the species' known elevation range. Occurrence within 5 miles (CDFW 2017). |
| <i>Streptanthus campestris</i> | southern jewelflower | None/None/ List A/1B.3/None | Chaparral, Lower montane coniferous forest, Pinyon and juniper woodland; rocky/perennial herb/(Apr)May–July/2950–7545 | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Symphyotrichum defoliatum</i> | San Bernardino aster | None/None/None/1B. 2/None | Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Meadows and seeps, Marshes and swamps, Valley and foothill grassland (vernally mesic); near ditches, streams, springs/perennial rhizomatous herb/July–Nov/5–6695 | Not expected to occur. No suitable vegetation present. Occurrence within 5 miles (CDFW 2017). |
| <i>Tetracoccus dioicus</i> | Parry's tetracoccus | None/None/ List A/1B.2/Covered | Chaparral, Coastal scrub/perennial deciduous shrub/Apr–May/540–3280 | Potential to occur. Occurrence within 5 miles (CDFW 2017). |

FE = federally endangered

SE = state endangered

SR = state rare

CRPR = California Rare Plant Rank

CRPR 1A: Plants Presumed Extirpated in California and Either Rare or Extinct Elsewhere

CRPR 1B: Plants Rare, Threatened, or Endangered in California and Elsewhere

CRPR 2A: Plants Presumed Extirpated in California, But More Common Elsewhere

CRPR 2B: Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere

CRPR 3: Plants about which More Information is Needed – A Review List

CRPR 4: Plants of Limited Distribution – A Watch List

.1 Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)

.2 Moderately threatened in California (20–80% occurrences threatened/moderate degree and immediacy of threat)

.3 Not very threatened in California (<20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

Appendix B

Special-Status Wildlife Species Potential to Occur on Site

| Scientific Name | Common Name | Status (Federal/State/ County of San Diego/ MSCP) | Habitat | Potential to Occur |
|---------------------------------------|-----------------------------|---|--|--|
| <i>Reptiles</i> | | | | |
| <i>Arizona elegans occidentalis</i> | California glossy snake | None/SSC/None/None | Commonly occurs in desert regions throughout southern California. Prefers open sandy areas with scattered brush. Also found in rocky areas. | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Aspidoscelis tigris stejnegeri</i> | San Diegan tiger whiptail | None/SSC/Group 2/None | Hot and dry areas with sparse foliage, including chaparral, woodland, and riparian areas. | Potential to occur. |
| <i>Coleonyx switaki</i> | Switak's banded gecko | None/ST/Group 2/None | Rocklands, especially massive rocks and rock formations at the heads of canyons | Potential to occur. |
| <i>Crotalus ruber</i> | red diamondback rattlesnake | None/SSC/Group 2/None | Coastal scrub, chaparral, oak and pine woodlands, rocky grasslands, cultivated areas, and desert flats | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Gopherus agassizii</i> | Mohave Desert tortoise | FT/ST/None/None | Arid and semi-arid habitats in Mojave and Sonoran Deserts, including sandy or gravelly locations along riverbanks, washes, sandy dunes, canyon bottoms, desert oases, rocky hillsides, creosote flats, and hillsides | Not expected to occur. The site is outside of the species' known geographic range. |
| <i>Phrynosoma blainvillii</i> | Blainville's horned lizard | None/SSC/Group 2/Covered | Open areas of sandy soil in valleys, foothills, and semi-arid mountains including coastal scrub, chaparral, valley-foothill hardwood, conifer, riparian, pine-cypress, juniper, and annual grassland habitats | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Phrynosoma mcallii</i> | flat-tailed horned lizard | None/SSC/Group 1/None | Desert washes and flats with sparse low-diversity vegetation cover and sandy soils | Potential to occur. |

Appendix B (Continued)

| Scientific Name | Common Name | Status (Federal/State/ County of San Diego/ MSCP) | Habitat | Potential to Occur |
|--|-----------------------|---|---|--|
| <i>Birds</i> | | | | |
| <i>Accipiter cooperii</i> (nesting) | Cooper's hawk | None/WL/Group 1/Covered | Nests and forages in dense stands of live oak, riparian woodlands, or other woodland habitats often near water | Potential to occur. Occurrence overlapping project boundary (CDFW 2017). |
| <i>Agelaius tricolor</i> (nesting colony) | tricolored blackbird | BCC/PSE, SSC/Group 1/Covered | Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberry; forages in grasslands, woodland, and agriculture | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Aquila chrysaetos</i> (nesting & wintering) | golden eagle | BCC/FP, WL/Group 1/Covered | Nests and winters in hilly, open/semi-open areas, including shrublands, grasslands, pastures, riparian areas, mountainous canyon land, open desert rimrock terrain; nests in large trees and on cliffs in open areas and forages in open habitats | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Asio otus</i> (nesting) | long-eared owl | None/SSC/Group 1/None | Nests in riparian habitat, live oak thickets, other dense stands of trees, edges of coniferous forest; forages in nearby open habitats | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Athene cunicularia</i> (burrow sites & some wintering sites) | burrowing owl | BCC/SSC/Group 1/Covered | Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Falco mexicanus</i> (nesting) | prairie falcon | BCC/WL/Group 1/None | Forages in grassland, savanna, rangeland, agriculture, desert scrub, alpine meadows; nest on cliffs or bluffs | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Laterallus jamaicensis coturniculus</i> | California black rail | BCC/ST, FP/Group 2/None | Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations | Not expected to occur. The site is outside of the species' known geographic range. |

Appendix B (Continued)

| Scientific Name | Common Name | Status (Federal/State/ County of San Diego/ MSCP) | Habitat | Potential to Occur |
|---|-------------------------------|---|--|--|
| <i>Vireo bellii pusillus</i> (nesting) | least Bell's vireo | FE/SE/Group 1/Covered | Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and adjacent shrubland late in nesting season | Potential to occur. |
| Mammals | | | | |
| <i>Antrozous pallidus</i> | pallid bat | None/SSC/Group 2/None | Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for roosting, but also roosts in man-made structures and trees | Potential to occur. Occurrence overlapping project boundary (CDFW 2017). |
| <i>Chaetodipus californicus femoralis</i> | Dulzura pocket mouse | None/SSC/Group 2/None | Open habitat, coastal scrub, chaparral, oak woodland, chamise chaparral, mixed-conifer habitats; disturbance specialist; 0 to 3,000 feet above mean sea level | Potential to occur. |
| <i>Chaetodipus fallax pallidus</i> | pallid San Diego pocket mouse | None/SSC/Group 2/None | Desert wash, desert scrub, desert succulent scrub, and pinyon-juniper woodland | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Corynorhinus townsendii</i> | Townsend's big-eared bat | None/SSC/Group 2/None | Mesic habitats characterized by coniferous and deciduous forests and riparian habitat, but also xeric areas; roosts in limestone caves and lava tubes, man-made structures, and tunnels | Potential to occur. |
| <i>Eumops perotis californicus</i> | western mastiff bat | None/SSC/Group 2/None | Chaparral, coastal and desert scrub, coniferous and deciduous forest and woodland; roosts in crevices in rocky canyons and cliffs where the canyon or cliff is vertical or nearly vertical, trees, and tunnels | Potential to occur. |

Appendix B (Continued)

| Scientific Name | Common Name | Status (Federal/State/ County of San Diego/ MSCP) | Habitat | Potential to Occur |
|-------------------------------------|-----------------------------------|---|---|---|
| <i>Lasiurus cinereus</i> | hoary bat | None/None/None/None | Forest, woodland riparian, and wetland habitats; also juniper scrub, riparian forest, and desert scrub in arid areas; roosts in tree foliage and sometimes cavities, such as woodpecker holes | Potential to occur. |
| <i>Lasiurus xanthinus</i> | western yellow bat | None/SSC/None/None | Valley–foothill riparian, desert riparian, desert wash, and palm oasis habitats; below 2,000 feet above mean sea level; roosts in riparian and palms | Potential to occur. |
| <i>Lepus californicus bennettii</i> | San Diego black-tailed jackrabbit | None/SSC/Group 2/None | Arid habitats with open ground; grasslands, coastal scrub, agriculture, disturbed areas, and rangelands | Not expected to occur. No suitable vegetation present. |
| <i>Macrotus californicus</i> | Californian leaf-nosed bat | None/SSC/Group 2/None | Riparian woodlands, desert wash, desert scrub; roosts in mines and caves, occasionally buildings | Potential to occur. |
| <i>Myotis volans</i> | long-legged myotis | None/None/Group 2/None | Primarily coniferous forests, but also seasonally in riparian and desert habitats; roosts in crevices in cliffs, caves, mines, buildings, exfoliating tree bark, and snags | Potential to occur. |
| <i>Neotoma albigula venusta</i> | Colorado Valley woodrat | None/None/None/None | Desert areas; closely associated with patches of beavertail cactus and mesquite | Potential to occur. |
| <i>Neotoma lepida intermedia</i> | San Diego desert woodrat | None/SSC/Group 2/None | Coastal scrub, desert scrub, chaparral, cacti, rocky areas | Potential to occur. Occurrence within 5 miles (CDFW 2017). |
| <i>Onychomys torridus ramona</i> | southern grasshopper mouse | None/SSC/Group 2/None | Grassland and sparse coastal scrub | Not expected to occur. No suitable vegetation present. Occurrence within 5 miles (CDFW 2017). |

Appendix B (Continued)

| Scientific Name | Common Name | Status (Federal/State/ County of San Diego/ MSCP) | Habitat | Potential to Occur |
|---|------------------------------|---|---|--|
| <i>Ovis canadensis nelsoni</i> pop. 2 DPS | Peninsular bighorn sheep DPS | FE/ST, FP/None/None | Dry, rocky, low-elevation desert slopes, canyons, and washes; females near water during lambing season | Potential to occur. |
| <i>Invertebrates</i> | | | | |
| <i>Euphydryas editha quino</i> | quino checkerspot butterfly | FE/None/Group 1/None | Annual forblands, grassland, open coastal scrub and chaparral; often soils with cryptogamic crusts and fine-textured clay; host plants include <i>Plantago erecta</i> , <i>Antirrhinum coulterianum</i> , and <i>Plantago patagonica</i> (Silverado Occurrence Complex) | Potential to occur. Occurrence within 5 miles (CDFW 2017). |

FE: Federally Endangered
 FT: Federally Threatened
 BCC: U.S. Fish and Wildlife Service Bird of Conservation Concern
 SSC: California Species of Special Concern
 FP: California Fully Protected Species
 WL: California Watch List Species
 SE: State Endangered
 ST: State Threatened
 PST: Proposed State Threatened
 SDL: State Delisted
 SS: List Special Animals List, but no other status