

Appendix B-1

Biological Resources Attachments



Attachment B1-A

Site Photographs

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APPENDIX A
SITE PHOTOGRAPHS



Photo 1: Center of the project site, facing south. Representative of the non-native grassland vegetation present throughout the project site.



Photo 2: Center of the project site, facing east. Paved driveway through the center of the project site.

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APPENDIX A
SITE PHOTOGRAPHS



Photo 3: Center of the project site, facing west. Paved driveway through the center of the project site.



Photo 4: Center of the project site, facing west. Representative of the non-native grassland present throughout the project site.

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APPENDIX A
SITE PHOTOGRAPHS



Photo 5: Center of the project site, facing north. Representative of the non-native grassland present throughout the project site. Row of eucalyptus trees along the north edge of the project site.



Photo 6: Storm drain along the center of the east edge of the project site.

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Attachment B1-B

Species Compendium

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Plants

EUDICOTS

VASCULAR SPECIES

ASTERACEAE – SUNFLOWER FAMILY

Helianthus annuus – common sunflower

- * *Helminthotheca echioides* – bristly oxtongue
- * *Oncosiphon piluliferum* - stinknet

BRASSICACEAE – MUSTARD FAMILY

- * *Brassica tournefortii* – Tournefort’s mustard
- * *Hirschfeldia incana* – shortpod mustard

CHENOPODIACEAE – GOOSEFOOT FAMILY

- * *Salsola tragus* – prickly Russian thistle

MONOCOTS

VASCULAR SPECIES

POACEAE—GRASS FAMILY

- * *Bromus rubens* – red brome
 - * *Hordeum vulgare* – common barley
 - * *Lamarckia aurea* – goldentop grass
- * signifies introduced (non-native) species

Wildlife

BIRD

FINCHES

FRINGILLIDAE—FRINGILLINE AND CARDUELINE FINCHES AND ALLIES

Haemorhous mexicanus – house finch

HAWKS

ACCIPITRIDAE – HAWKS, KITES, EAGLES, AND ALLIES

Buteo jamaicensis – red-tailed hawk

HUMMINGBIRDS

TROCHILIDAE - HUMMINGBIRDS

Calypte anna – Anna's hummingbird

JAYS, MAGPIES, AND CROWS

CORVIDAE – CROWS AND JAYS

Corvus corax – common raven

OLD WORLD SPARROWS

PASSERIDAE – OLD WORLD SPARROWS

* *Passer domesticus* – house sparrow

PIGEONS AND DOVES

COLUMBIDAE – PIGEONS AND DOVES

Zenaida macroura – mourning dove

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Attachment B1-C

Special-Status Species Lists

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Selected Elements by Scientific Name

California Department of Fish and Wildlife

California Natural Diversity Database



Query Criteria: Quad (Riverside East (3311783) OR Sunnymead (3311782) OR El Casco (3311781) OR Steele Peak (3311773) OR Perris (3311772) OR Lakeview (3311771) OR Lake Elsinore (3311763) OR Romoland (3311762) OR Winchester (3311761))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Abronia villosa</i> var. <i>aurita</i> chaparral sand-verbena	PDNYC010P1	None	None	G5T2?	S2	1B.1
<i>Accipiter cooperii</i> Cooper's hawk	ABNKC12040	None	None	G5	S4	WL
<i>Agelaius tricolor</i> tricolored blackbird	ABPBXB0020	None	Threatened	G2G3	S1S2	SSC
<i>Aimophila ruficeps canescens</i> southern California rufous-crowned sparrow	ABPBX91091	None	None	G5T3	S3	WL
<i>Allium munzii</i> Munz's onion	PMLIL022Z0	Endangered	Threatened	G1	S1	1B.1
<i>Ambrosia pumila</i> San Diego ambrosia	PDAST0C0M0	Endangered	None	G1	S1	1B.1
<i>Anniella stebbinsi</i> southern California legless lizard	ARACC01060	None	None	G3	S3	SSC
<i>Aquila chrysaetos</i> golden eagle	ABNKC22010	None	None	G5	S3	FP
<i>Arenaria paludicola</i> marsh sandwort	PDCAR040L0	Endangered	Endangered	G1	S1	1B.1
<i>Arizona elegans occidentalis</i> California glossy snake	ARADB01017	None	None	G5T2	S2	SSC
<i>Artemisospiza belli belli</i> Bell's sage sparrow	ABPBX97021	None	None	G5T2T3	S3	WL
<i>Asio otus</i> long-eared owl	ABNSB13010	None	None	G5	S3?	SSC
<i>Aspidoscelis hyperythra</i> orange-throated whiptail	ARACJ02060	None	None	G5	S2S3	WL
<i>Aspidoscelis tigris stejnegeri</i> coastal whiptail	ARACJ02143	None	None	G5T5	S3	SSC
<i>Astragalus pachypus</i> var. <i>jaegeri</i> Jaeger's milk-vetch	PDFAB0F6G1	None	None	G4T1	S1	1B.1
<i>Athene cunicularia</i> burrowing owl	ABNSB10010	None	None	G4	S3	SSC
<i>Atriplex coronata</i> var. <i>notatior</i> San Jacinto Valley crownscale	PDCHE040C2	Endangered	None	G4T1	S1	1B.1
<i>Atriplex parishii</i> Parish's brittle scale	PDCHE041D0	None	None	G1G2	S1	1B.1
<i>Atriplex serenana</i> var. <i> davidsonii</i> Davidson's salt scale	PDCHE041T1	None	None	G5T1	S1	1B.2



Selected Elements by Scientific Name
California Department of Fish and Wildlife
California Natural Diversity Database



Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Berberis nevini</i> Nevin's barberry	PDBER060A0	Endangered	Endangered	G1	S1	1B.1
<i>Bombus crotchii</i> Crotch bumble bee	IIHYM24480	None	Candidate Endangered	G3G4	S1S2	
<i>Branchinecta lynchi</i> vernal pool fairy shrimp	ICBRA03030	Threatened	None	G3	S3	
<i>Brodiaea filifolia</i> thread-leaved brodiaea	PMLIL0C050	Threatened	Endangered	G2	S2	1B.1
<i>Buteo regalis</i> ferruginous hawk	ABNKC19120	None	None	G4	S3S4	WL
<i>Calochortus plummerae</i> Plummer's mariposa-lily	PMLIL0D150	None	None	G4	S4	4.2
<i>Calochortus weedii var. intermedius</i> intermediate mariposa-lily	PMLIL0D1J1	None	None	G3G4T2	S2	1B.2
<i>Campylorhynchus brunneicapillus sandiegensis</i> coastal cactus wren	ABPBG02095	None	None	G5T3Q	S3	SSC
<i>Caulanthus simulans</i> Payson's jewelflower	PDBRA0M0H0	None	None	G4	S4	4.2
<i>Centromadia pungens ssp. laevis</i> smooth tarplant	PDAST4R0R4	None	None	G3G4T2	S2	1B.1
<i>Ceratochrysis longimala</i> Desert cuckoo wasp	IIHYM71040	None	None	G1	S1	
<i>Chaetodipus californicus femoralis</i> Dulzura pocket mouse	AMAFD05021	None	None	G5T3	S3	SSC
<i>Chaetodipus fallax fallax</i> northwestern San Diego pocket mouse	AMAFD05031	None	None	G5T3T4	S3S4	SSC
<i>Charadrius alexandrinus nivosus</i> western snowy plover	ABNNB03031	Threatened	None	G3T3	S2S3	SSC
<i>Chloropyron maritimum ssp. maritimum</i> salt marsh bird's-beak	PDSCR0J0C2	Endangered	Endangered	G4?T1	S1	1B.2
<i>Chorizanthe parryi var. parryi</i> Parry's spineflower	PDPGN040J2	None	None	G3T2	S2	1B.1
<i>Chorizanthe polygonoides var. longispina</i> long-spined spineflower	PDPGN040K1	None	None	G5T3	S3	1B.2
<i>Cicindela senilis frosti</i> senile tiger beetle	IICOL02121	None	None	G2G3T1T3	S1	
<i>Circus hudsonius</i> northern harrier	ABNKC11011	None	None	G5	S3	SSC
<i>Coccyzus americanus occidentalis</i> western yellow-billed cuckoo	ABNRB02022	Threatened	Endangered	G5T2T3	S1	
<i>Coleonyx variegatus abbotti</i> San Diego banded gecko	ARACD01031	None	None	G5T3T4	S1S2	SSC



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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Crotalus ruber</i> red-diamond rattlesnake	ARADE02090	None	None	G4	S3	SSC
<i>Diadophis punctatus modestus</i> San Bernardino ringneck snake	ARADB10015	None	None	G5T2T3	S2?	
<i>Dipodomys merriami parvus</i> San Bernardino kangaroo rat	AMAFD03143	Endangered	Candidate Endangered	G5T1	S1	SSC
<i>Dipodomys stephensi</i> Stephens' kangaroo rat	AMAFD03100	Endangered	Threatened	G2	S2	
<i>Dodecahema leptoceras</i> slender-horned spineflower	PDPGN0V010	Endangered	Endangered	G1	S1	1B.1
<i>Dudleya multicaulis</i> many-stemmed dudleya	PDCRA040H0	None	None	G2	S2	1B.2
<i>Elanus leucurus</i> white-tailed kite	ABNKC06010	None	None	G5	S3S4	FP
<i>Empidonax traillii extimus</i> southwestern willow flycatcher	ABPAE33043	Endangered	Endangered	G5T2	S1	
<i>Emys marmorata</i> western pond turtle	ARAAD02030	None	None	G3G4	S3	SSC
<i>Eremophila alpestris actia</i> California horned lark	ABPAT02011	None	None	G5T4Q	S4	WL
<i>Eumops perotis californicus</i> western mastiff bat	AMACD02011	None	None	G5T4	S3S4	SSC
<i>Euphydryas editha quino</i> quino checkerspot butterfly	IILEPK405L	Endangered	None	G5T1T2	S1S2	
<i>Haliaeetus leucocephalus</i> bald eagle	ABNKC10010	Delisted	Endangered	G5	S3	FP
<i>Harpagonella palmeri</i> Palmer's grapplinghook	PDBOR0H010	None	None	G4	S3	4.2
<i>Icteria virens</i> yellow-breasted chat	ABPBX24010	None	None	G5	S3	SSC
<i>Lanius ludovicianus</i> loggerhead shrike	ABPBR01030	None	None	G4	S4	SSC
<i>Lasiurus xanthinus</i> western yellow bat	AMACC05070	None	None	G5	S3	SSC
<i>Lasthenia glabrata ssp. coulteri</i> Coulter's goldfields	PDAST5L0A1	None	None	G4T2	S2	1B.1
<i>Laterallus jamaicensis coturniculus</i> California black rail	ABNME03041	None	Threatened	G3G4T1	S1	FP
<i>Lepidium virginicum var. robinsonii</i> Robinson's pepper-grass	PDBRA1M114	None	None	G5T3	S3	4.3
<i>Lepus californicus bennettii</i> San Diego black-tailed jackrabbit	AMAEB03051	None	None	G5T3T4	S3S4	SSC



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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Myosurus minimus ssp. apus</i> little mouseltail	PDRAN0H031	None	None	G5T2Q	S2	3.1
<i>Nama stenocarpa</i> mud nama	PDHYD0A0H0	None	None	G4G5	S1S2	2B.2
<i>Navarretia fossalis</i> spreading navarretia	PDPLM0C080	Threatened	None	G2	S2	1B.1
<i>Neotoma lepida intermedia</i> San Diego desert woodrat	AMAFF08041	None	None	G5T3T4	S3S4	SSC
<i>Nyctinomops femorosaccus</i> pocketed free-tailed bat	AMACD04010	None	None	G4	S3	SSC
<i>Onychomys torridus ramona</i> southern grasshopper mouse	AMAFF06022	None	None	G5T3	S3	SSC
<i>Orcuttia californica</i> California Orcutt grass	PMPOA4G010	Endangered	Endangered	G1	S1	1B.1
<i>Perognathus longimembris brevinasus</i> Los Angeles pocket mouse	AMAFD01041	None	None	G5T1T2	S1S2	SSC
<i>Phrynosoma blainvillii</i> coast horned lizard	ARACF12100	None	None	G3G4	S3S4	SSC
<i>Plegadis chihi</i> white-faced ibis	ABNGE02020	None	None	G5	S3S4	WL
<i>Polioptila californica californica</i> coastal California gnatcatcher	ABPBJ08081	Threatened	None	G4G5T2Q	S2	SSC
<i>Salvadora hexalepis virgultea</i> coast patch-nosed snake	ARADB30033	None	None	G5T4	S2S3	SSC
<i>Senecio aphanactis</i> chaparral ragwort	PDAST8H060	None	None	G3	S2	2B.2
<i>Setophaga petechia</i> yellow warbler	ABPBX03010	None	None	G5	S3S4	SSC
<i>Sidalcea neomexicana</i> salt spring checkerbloom	PDMAL110J0	None	None	G4	S2	2B.2
<i>Socalchemmis icenoglei</i> Icenogle's socialchemmis spider	ILARAU7020	None	None	G1	S1	
<i>Southern Coast Live Oak Riparian Forest</i> Southern Coast Live Oak Riparian Forest	CTT61310CA	None	None	G4	S4	
<i>Southern Cottonwood Willow Riparian Forest</i> Southern Cottonwood Willow Riparian Forest	CTT61330CA	None	None	G3	S3.2	
<i>Southern Riparian Scrub</i> Southern Riparian Scrub	CTT63300CA	None	None	G3	S3.2	
<i>Southern Sycamore Alder Riparian Woodland</i> Southern Sycamore Alder Riparian Woodland	CTT62400CA	None	None	G4	S4	
<i>Spea hammondii</i> western spadefoot	AAABF02020	None	None	G3	S3	SSC



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California Department of Fish and Wildlife
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Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
<i>Spinus lawrencei</i> Lawrence's goldfinch	ABPBY06100	None	None	G3G4	S3S4	
<i>Streptocephalus woottoni</i> Riverside fairy shrimp	ICBRA07010	Endangered	None	G1G2	S1S2	
<i>Symphotrichum defoliatum</i> San Bernardino aster	PDASTE80C0	None	None	G2	S2	1B.2
<i>Taxidea taxus</i> American badger	AMAJF04010	None	None	G5	S3	SSC
<i>Texosporium sancti-jacobi</i> woven-spored lichen	NLTEST7980	None	None	G3	S2	3
<i>Tortula californica</i> California screw moss	NBMUS7L090	None	None	G2G3	S2?	1B.2
<i>Trichocoronis wrightii</i> var. <i>wrightii</i> Wright's trichocoronis	PDAST9F031	None	None	G4T3	S1	2B.1
<i>Vireo bellii pusillus</i> least Bell's vireo	ABPBW01114	Endangered	Endangered	G5T2	S2	
<i>Xanthocephalus xanthocephalus</i> yellow-headed blackbird	ABPBXB3010	None	None	G5	S3	SSC

Record Count: 91

Inventory of Rare and Endangered Plants

*The database used to provide updates to the Online Inventory is under construction. [View updates and changes made since May 2019 here.](#)

Plant List

43 matches found. [Click on scientific name for details](#)

Search Criteria
Found in Quads 3311783 , 3311782 , 3311781 , 3311773 , 3311772 , 3311771 , 3311763 3311762 and 3311761 ;

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Scientific Name	Common Name	Family	Lifeform	Blooming Period	CA Rare Plant Rank	State Rank	Global Rank
Abronia villosa var. aurita	chaparral sand-verbena	Nyctaginaceae	annual herb	(Jan)Mar-Sep	1B.1	S2	G5T2?
Allium marvinii	Yucaipa onion	Alliaceae	perennial bulbiferous herb	Apr-May	1B.2	S1	G1
Allium munzii	Munz's onion	Alliaceae	perennial bulbiferous herb	Mar-May	1B.1	S1	G1
Ambrosia pumila	San Diego ambrosia	Asteraceae	perennial rhizomatous herb	Apr-Oct	1B.1	S1	G1
Artemisia palmeri	San Diego sagewort	Asteraceae	perennial deciduous shrub	(Feb)May-Sep	4.2	S3?	G3?
Astragalus pachypus var. jaegeri	Jaeger's bush milk-vetch	Fabaceae	perennial shrub	Dec-Jun	1B.1	S1	G4T1
Atriplex coronata var. notatior	San Jacinto Valley crownscale	Chenopodiaceae	annual herb	Apr-Aug	1B.1	S1	G4T1
Atriplex pacifica	South Coast saltscale	Chenopodiaceae	annual herb	Mar-Oct	1B.2	S2	G4
Atriplex parishii	Parish's brittlescale	Chenopodiaceae	annual herb	Jun-Oct	1B.1	S1	G1G2
	Davidson's	Chenopodiaceae	annual herb	Apr-Oct	1B.2	S1	G5T1

<u>Atriplex serenana var. davidsonii</u>	saltscale						
<u>Berberis nevinii</u>	Nevin's barberry	Berberidaceae	perennial evergreen shrub	(Feb)Mar-Jun	1B.1	S1	G1
<u>Brodiaea filifolia</u>	thread-leaved brodiaea	Themidaceae	perennial bulbiferous herb	Mar-Jun	1B.1	S2	G2
<u>Calochortus plummerae</u>	Plummer's mariposa lily	Liliaceae	perennial bulbiferous herb	May-Jul	4.2	S4	G4
<u>Calochortus weedii var. intermedius</u>	intermediate mariposa lily	Liliaceae	perennial bulbiferous herb	May-Jul	1B.2	S2	G3G4T2
<u>Carex buxbaumii</u>	Buxbaum's sedge	Cyperaceae	perennial rhizomatous herb	Mar-Aug	4.2	S3	G5
<u>Caulanthus simulans</u>	Payson's jewelflower	Brassicaceae	annual herb	(Feb)Mar-May(Jun)	4.2	S4	G4
<u>Centromadia pungens ssp. laevis</u>	smooth tarplant	Asteraceae	annual herb	Apr-Sep	1B.1	S2	G3G4T2
<u>Chorizanthe leptotheca</u>	Peninsular spineflower	Polygonaceae	annual herb	May-Aug	4.2	S3	G3
<u>Chorizanthe parryi var. parryi</u>	Parry's spineflower	Polygonaceae	annual herb	Apr-Jun	1B.1	S2	G3T2
<u>Chorizanthe polygonoides var. longispina</u>	long-spined spineflower	Polygonaceae	annual herb	Apr-Jul	1B.2	S3	G5T3
<u>Convolvulus simulans</u>	small-flowered morning-glory	Convolvulaceae	annual herb	Mar-Jul	4.2	S4	G4
<u>Cylindropuntia californica var. californica</u>	snake cholla	Cactaceae	perennial stem succulent	Apr-May	1B.1	S1	G3T2
<u>Deinandra paniculata</u>	paniculate tarplant	Asteraceae	annual herb	(Mar)Apr-Nov(Dec)	4.2	S4	G4
<u>Dodecahema leptoceras</u>	slender-horned spineflower	Polygonaceae	annual herb	Apr-Jun	1B.1	S1	G1
<u>Dudleya multicaulis</u>	many-stemmed dudleya	Crassulaceae	perennial herb	Apr-Jul	1B.2	S2	G2
<u>Harpagonella palmeri</u>	Palmer's grapplinghook	Boraginaceae	annual herb	Mar-May	4.2	S3	G4
<u>Hordeum intercedens</u>	vernal barley	Poaceae	annual herb	Mar-Jun	3.2	S3S4	G3G4
<u>Juglans californica</u>	Southern California black walnut	Juglandaceae	perennial deciduous tree	Mar-Aug	4.2	S4	G4

<u>Lasthenia glabrata ssp. coulteri</u>	Coulter's goldfields	Asteraceae	annual herb	Feb-Jun	1B.1	S2	G4T2
<u>Lepechinia cardiophylla</u>	heart-leaved pitcher sage	Lamiaceae	perennial shrub	Apr-Jul	1B.2	S2S3	G3
<u>Lepidium virginicum var. robinsonii</u>	Robinson's pepper-grass	Brassicaceae	annual herb	Jan-Jul	4.3	S3	G5T3
<u>Microseris douglasii ssp. platycarpha</u>	small-flowered microseris	Asteraceae	annual herb	Mar-May	4.2	S4	G4T4
<u>Myosurus minimus ssp. apus</u>	little mousetail	Ranunculaceae	annual herb	Mar-Jun	3.1	S2	G5T2Q
<u>Nama stenocarpa</u>	mud nama	Namaceae	annual / perennial herb	Jan-Jul	2B.2	S1S2	G4G5
<u>Navarretia fossalis</u>	spreading navarretia	Polemoniaceae	annual herb	Apr-Jun	1B.1	S2	G2
<u>Orcuttia californica</u>	California Orcutt grass	Poaceae	annual herb	Apr-Aug	1B.1	S1	G1
<u>Romneya coulteri</u>	Coulter's matilija poppy	Papaveraceae	perennial rhizomatous herb	Mar-Jul(Aug)	4.2	S4	G4
<u>Senecio aphanactis</u>	chaparral ragwort	Asteraceae	annual herb	Jan-Apr(May)	2B.2	S2	G3
<u>Sidalcea neomexicana</u>	salt spring checkerbloom	Malvaceae	perennial herb	Mar-Jun	2B.2	S2	G4
<u>Symphyotrichum defoliatum</u>	San Bernardino aster	Asteraceae	perennial rhizomatous herb	Jul-Nov(Dec)	1B.2	S2	G2
<u>Texosporium sancti-jacobi</u>	woven-spored lichen	Caliciaceae	crustose lichen (terricolous)		3	S1	G3
<u>Tortula californica</u>	California screw-moss	Pottiaceae	moss		1B.2	S2S3	G2G3
<u>Trichocoronis wrightii var. wrightii</u>	Wright's trichocoronis	Asteraceae	annual herb	May-Sep	2B.1	S1	G4T3

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Questions and Comments

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Attachment B1-D

Species Potential for Occurrence Tables

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Special-Status Plant Species

Scientific Name	Common Name	Status Federal/State/ CRPR	Primary Habitat Associations/Life Form/ Blooming Period/Elevation Range (feet amsl)	Potential to Occur
<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand- verbena	None/None/1B.1	Chaparral, Coastal scrub, Desert dunes; sandy/annual herb/(Jan)Mar–Sep/245–5,245	Not expected to occur. Suitable sandy soils are present on the site; however, suitable chaparral, or desert dunes vegetation is not present. One CNDDDB observation is mapped 3.3 miles southeast of the site, and last documented in 2004.
<i>Allium marvinii</i>	Yucaipa onion	None/None/1B.2	Chaparral (clay, openings)/perennial bulbiferous herb/Apr–May/2,490–3,490	Not expected to occur. The site is outside of the species' known elevation range.
<i>Allium munzii</i>	Munz's onion	FE/ST/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Pinyon and juniper woodland, Valley and foothill grassland; mesic, clay/perennial bulbiferous herb/Mar–May/970–3,510	Low potential to occur. The site has grassland habitat present; however, this grassland consists of non-native grasses. No CCH, CNDDDB, or CalFlora observations have been documented within 5 miles of this site.
<i>Ambrosia pumila</i>	San Diego ambrosia	FE/None/1B.1	Chaparral, Coastal scrub, Valley and foothill grassland, Vernal pools; sandy loam or clay, often in disturbed areas, sometimes alkaline/perennial rhizomatous herb/Apr–Oct/65–1,360	Low potential to occur. The site has grassland present; however, this grassland consists of non-native grasses. Sandy loam soils are also present on site. One California State Parks observation is mapped 4.4 miles northeast of the site, and last documented in 1976.
<i>Arenaria paludicola</i>	marsh sandwort	FE/SE/1B.1	Marshes and swamps (freshwater or brackish); sandy, openings/perennial stoloniferous herb/May–Aug/5–560	Not expected to occur. The site is outside of the species' known elevation range.
<i>Artemisia palmeri</i>	San Diego sagewort	None/None/4.2	Chaparral, Coastal scrub, Riparian forest, Riparian scrub, Riparian woodland; sandy, mesic/perennial deciduous shrub/(Feb)May–Sep/45–3,000	Not expected to occur. No suitable chaparral, or riparian vegetation is present on site. No CCH, CNDDDB, or CalFlora observations are documented within 5 miles of this site.
<i>Astragalus pachypus</i> var. <i>jaegeri</i>	Jaeger's bush milk- vetch	None/None/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland; sandy or rocky/perennial shrub/Dec–June/1,195–3,195	Low potential to occur. The site has grassland habitat present; however, this grassland consists of non-native grasses. No CCH, CNDDDB, or CalFlora observations have been documented within 5 miles of this site.
<i>Atriplex coronata</i> var. <i>notator</i>	San Jacinto Valley crownscale	FE/None/1B.1	Playas, Valley and foothill grassland (mesic), Vernal pools; alkaline/annual herb/Apr–Aug/455–1,640	Low potential to occur. The site has grassland habitat present; however, this grassland consists of non-native grasses. Two CNDDDB observations are mapped within 5 miles southeast of the site. One observation was last documented in 2013, and the other in 2015.

APPENDIX D
SPECIAL-STATUS PLANT SPECIES POTENTIALLY OCCURRING WITHIN THE STUDY AREA

Scientific Name	Common Name	Status Federal/State/ CRPR	Primary Habitat Associations/Life Form/ Blooming Period/Elevation Range (feet amsl)	Potential to Occur
<i>Atriplex pacifica</i>	South Coast saltscale	None/None/1B.2	Coastal bluff scrub, Coastal dunes, Coastal scrub, Playas/annual herb/Mar–Oct/0–460	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Atriplex parishii</i>	Parish's brittlescale	None/None/1B.1	Chenopod scrub, Playas, Vernal pools; alkaline/annual herb/June–Oct/80–6,230	Not expected to occur. No suitable chenopod scrub vegetation, or vernal pool habitat is present on site. One CNDDDB observation is mapped 4.1 miles southeast of the site, a last date of documentation for the observation is not available.
<i>Atriplex serenana</i> <i>var. davidsonii</i>	Davidson's saltscale	None/None/1B.2	Coastal bluff scrub, Coastal scrub; alkaline/annual herb/Apr–Oct/30–655	Not expected to occur. The site is outside of the species' known elevation range.
<i>Berberis nevinii</i>	Nevin's barberry	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Riparian scrub; sandy or gravelly/perennial evergreen shrub/(Feb)Mar–June/225–2,705	Not expected to occur. No suitable chaparral, or riparian vegetation is present on site. No CCH, CNDDDB, or CalFlora observations are documented within 5 miles of this site.
<i>Brodiaea filifolia</i>	thread-leaved brodiaea	FT/SE/1B.1	Chaparral (openings), Cismontane woodland, Coastal scrub, Playas, Valley and foothill grassland, Vernal pools; often clay/perennial bulbiferous herb/Mar–June/80–3,670	Low potential to occur. The site has grassland habitat present; however, the grassland consists of non-native grasses. Two CNDDDB observations are mapped within 5 miles southeast of the site. The observations were last documented in 2003, and 2008.
<i>Calochortus plummerae</i>	Plummer's mariposa lily	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Valley and foothill grassland; granitic, rocky/perennial bulbiferous herb/May–July/325–5,575	Low potential to occur. The site has grassland habitat present; however, the grassland consists of non-native grasses. No CCH, CNDDDB, or CalFlora observations have been documented within 5 miles of this site.
<i>Calochortus weedii</i> <i>var. intermedius</i>	intermediate mariposa lily	None/None/1B.2	Chaparral, Coastal scrub, Valley and foothill grassland; rocky, calcareous/perennial bulbiferous herb/May–July/340–2,805	Not expected to occur. While there is grassland habitat present on the site, the grassland consists of non-native grasses. A rocky substrate is not present on site. No CCH, CNDDDB, or CalFlora observations have been documented within 5 miles of this site.
<i>Caulanthus simulans</i>	Payson's jewelflower	None/None/4.2	Chaparral, Coastal scrub; sandy, granitic/annual herb/(Feb)Mar–May(June)/295–7,215	Not expected to occur. No suitable chaparral vegetation is present on site. One CalFlora observation is mapped approximately 3.5 miles southeast of the site, no information on when the observation was last documented is available.

APPENDIX D

SPECIAL-STATUS PLANT SPECIES POTENTIALLY OCCURRING WITHIN THE STUDY AREA

Scientific Name	Common Name	Status Federal/State/ CRPR	Primary Habitat Associations/Life Form/ Blooming Period/Elevation Range (feet amsl)	Potential to Occur
<i>Centromadia pungens ssp. laevis</i>	smooth tarplant	None/None/1B.1	Chenopod scrub, Meadows and seeps, Playas, Riparian woodland, Valley and foothill grassland; alkaline/annual herb/Apr–Sep/0–2,095	Low potential to occur. There is grassland habitat present on site; however, the grassland consists of non-native grasses. Eight CNDDDB observations are mapped within 5 miles of the site. The observation mapped closest to the site, was last documented in 2017.
<i>Chloropyron maritimum ssp. maritimum</i>	salt marsh bird's- beak	FE/SE/1B.2	Coastal dunes, Marshes and swamps (coastal salt)/annual herb (hemiparasitic)/May–Oct(Nov)/0–100	Not expected to occur. The site is outside of the species' known elevation range.
<i>Chorizanthe leptotheca</i>	Peninsular spineflower	None/None/4.2	Chaparral, Coastal scrub, Lower montane coniferous forest; alluvial fan, granitic/annual herb/May–Aug/980–6,230	Not expected to occur. No suitable chaparral, or montane coniferous forest vegetation is present on site. No CCH, CNDDDB, or CalFlora observations are documented within 5 miles of this site.
<i>Chorizanthe parryi var. parryi</i>	Parry's spineflower	None/None/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland; sandy or rocky, openings/annual herb/Apr–June/900–4,000	Not expected to occur. There is grassland habitat present on site; however, the grassland consists of non-native grasses. There are no suitable openings for this species. No CCH, CNDDDB, or CalFlora observations documented within 5 miles of this site.
<i>Chorizanthe polygonoides var. longispina</i>	long-spined spineflower	None/None/1B.2	Chaparral, Coastal scrub, Meadows and seeps, Valley and foothill grassland, Vernal pools; often clay/annual herb/Apr–July/95–5,015	Low potential to occur. There is grassland habitat present on site; however, the grassland consists of non-native grasses. One CNDDDB observation is documented 2.4 miles southwest of the site, last documented in 1980.
<i>Convolvulus simulans</i>	small-flowered morning-glory	None/None/4.2	Chaparral (openings), Coastal scrub, Valley and foothill grassland; clay, serpentinite seeps/annual herb/Mar–July/95–2,425	Low potential to occur. There is grassland habitat present on site; however, the grassland consists of non-native grasses. No CCH, CNDDDB, or CalFlora observations are documented within 5 miles of this site.
<i>Cylindropuntia californica var. californica</i>	snake cholla	None/None/1B.1	Chaparral, Coastal scrub/perennial stem succulent/Apr–May/95–490	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Deinandra paniculata</i>	paniculate tarplant	None/None/4.2	Coastal scrub, Valley and foothill grassland, Vernal pools; usually vernal mesic, sometimes sandy/annual herb/(Mar)Apr–Nov(Dec)/80–3,080	Low potential to occur. There is grassland habitat present on site; however, the grassland consists of non-native grasses. Five CCH observations are mapped within 5 miles of the site. These observations were last documented between 1980 and 2008.

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SPECIAL-STATUS PLANT SPECIES POTENTIALLY OCCURRING WITHIN THE STUDY AREA

Scientific Name	Common Name	Status Federal/State/ CRPR	Primary Habitat Associations/Life Form/ Blooming Period/Elevation Range (feet amsl)	Potential to Occur
<i>Dodecahema leptoceras</i>	slender-horned spineflower	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub (alluvial fan); sandy/annual herb/Apr–June/655–2,490	Not expected to occur. No suitable chaparral vegetation is present on site. No CCH, CNDDDB, or CalFlora observations have been documented within 5 miles of this site.
<i>Dudleya multicaulis</i>	many-stemmed dudleya	None/None/1B.2	Chaparral, Coastal scrub, Valley and foothill grassland; often clay/perennial herb/Apr–July/45–2,590	Not expected to occur. No suitable clay substrate is present on site. No CCH, CNDDDB, or CalFlora observations have been documented within 5 miles of this site.
<i>Harpagonella palmeri</i>	Palmer's grapplinghook	None/None/4.2	Chaparral, Coastal scrub, Valley and foothill grassland; Clay; open grassy areas within shrubland/annual herb/Mar–May/65–3,130	Not expected to occur. While there is grassland habitat present on the site, the grassland consists of non-native grasses. A clay substrate is not present on site. No CCH, CNDDDB, or CalFlora observations have been documented within 5 miles of this site.
<i>Hordeum intercedens</i>	vernal barley	None/None/3.2	Coastal dunes, Coastal scrub, Valley and foothill grassland (saline flats and depressions), Vernal pools/annual herb/Mar–June/15–3,280	Not expected to occur. No suitable chaparral, or grassland vegetation is present on site. Five CCH observations are mapped within 5 miles of the site. These observations have been documented between 1952 and 2009.
<i>Juglans californica</i>	Southern California black walnut	None/None/4.2	Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland; alluvial/perennial deciduous tree/Mar–Aug/160–2,950	Not expected to occur. No suitable chaparral, or riparian vegetation is present on site. No CCH, CNDDDB, or CalFlora observations are documented within 5 miles of this site.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	None/None/1B.1	Marshes and swamps (coastal salt), Playas, Vernal pools/annual herb/Feb–June/0–4,000	Not expected to occur. No suitable wetland habitat is present on this site. Two CNDDDB observations are mapped with 5 miles southeast of the site, these observations were last documented in 2000 and 2013.
<i>Lepechinia cardiophylla</i>	heart-leaved pitcher sage	None/None/1B.2	Closed-cone coniferous forest, Chaparral, Cismontane woodland/perennial shrub/Apr–July/1,705–4,490	Not expected to occur. The site is outside of the species' known elevation range and there is no suitable vegetation present.
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	None/None/4.3	Chaparral, Coastal scrub/annual herb/Jan–July/0–2,900	Not expected to occur. No suitable vegetation present.

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Scientific Name	Common Name	Status Federal/State/ CRPR	Primary Habitat Associations/Life Form/ Blooming Period/Elevation Range (feet amsl)	Potential to Occur
<i>Microseris douglasii</i> <i>ssp. platycarpha</i>	small-flowered microseris	None/None/4.2	Cismontane woodland, Coastal scrub, Valley and foothill grassland, Vernal pools; clay/annual herb/Mar–May/45– 3,510	Low potential to occur. There is grassland habitat present on site; however, the grassland consists of non-native grasses. No CCH, CNDDDB, or CalFlora observations are documented within 5 miles of this site.
<i>Myosurus minimus</i> <i>ssp. apus</i>	little mousetail	None/None/3.1	Valley and foothill grassland, Vernal pools (alkaline)/annual herb/Mar–June/65–2,095	Low potential to occur. There is grassland habitat present on site; however, the grassland consists of non-native grasses. One outdated CCH observation is mapped approximately 4.2 miles north of the site, this observation has not been documented since 1922.
<i>Nama stenocarpa</i>	mud nama	None/None/2B.2	Marshes and swamps (lake margins, riverbanks)/annual / perennial herb/Jan–July/15–1,640	Not expected to occur. No suitable marsh or swamp habitat is present on site. No CCH, CNDDDB, or CalFlora observations are documented within 5 miles of this site.
<i>Navarretia fossalis</i>	spreading navarretia	FT/None/1B.1	Chenopod scrub, Marshes and swamps (assorted shallow freshwater), Playas, Vernal pools/annual herb/Apr–June/95– 2,145	Not expected to occur. No suitable chenopod scrub vegetation, or wetland habitat is present on site. Four CNDDDB observations are mapped within 5 miles southeast of the site. These observations have been last documented between 2000 and 2007.
<i>Orcuttia californica</i>	California Orcutt grass	FE/SE/1B.1	Vernal pools/annual herb/Apr–Aug/45–2,165	Not expected to occur. No suitable vegetation present.
<i>Romneya coulteri</i>	Coulter's matilija poppy	None/None/4.2	Chaparral, Coastal scrub; Often in burns/perennial rhizomatous herb/Mar–July(Aug)/65–3,935	Not expected to occur. No suitable chaparral vegetation is present on site. No CCH, CNDDDB, or CalFlora observations have been documented within 5 miles of this site.
<i>Senecio aphanactis</i>	chaparral ragwort	None/None/2B.2	Chaparral, Cismontane woodland, Coastal scrub; sometimes alkaline/annual herb/Jan–Apr(May)/45–2,620	Not expected to occur. No suitable chaparral vegetation is present on site. No CCH, CNDDDB, or CalFlora observations have been documented within 5 miles of this site.
<i>Sidalcea</i> <i>neomexicana</i>	salt spring checkerbloom	None/None/2B.2	Chaparral, Coastal scrub, Lower montane coniferous forest, Mojavean desert scrub, Playas; alkaline, mesic/perennial herb/Mar–June/45–5,015	Not expected to occur. No suitable chaparral, desert scrub, or montane coniferous forest vegetation is present on site. No CCH, CNDDDB, or CalFlora observation have been documented within 5 miles of this site.

APPENDIX D
SPECIAL-STATUS PLANT SPECIES POTENTIALLY OCCURRING WITHIN THE STUDY AREA

Scientific Name	Common Name	Status Federal/State/ CRPR	Primary Habitat Associations/Life Form/ Blooming Period/Elevation Range (feet amsl)	Potential to Occur
<i>Symphotrichum defoliatum</i>	San Bernardino aster	None/None/1B.2	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(Dec)/5–6,690	Not expected to occur. No suitable woodland vegetation, or wetland habitat is present on site. No CCH, CNDDDB, or CalFlora observations have been documented within 5 miles of this site.
<i>Texosporium sancti-jacobi</i>	woven-spored lichen	None/None/3	Chaparral (openings); On soil, small mammal pellets, dead twigs, and on Selaginella spp/crustose lichen (terricolous)/N.A./195–2,165	Not expected to occur. No suitable chaparral vegetation is present on site. No CCH, CNDDDB, or CalFlora observations have been documented within 5 miles of this site.
<i>Tortula californica</i>	California screw-moss	None/None/1B.2	Chenopod scrub, Valley and foothill grassland; sandy, soil/moss/N.A./30–4,790	Low potential to occur. There is grassland habitat present on site; however, the grassland consists of non-native grasses. There is sandy substrate present on site. No CCH, CNDDDB, or CalFlora observations have been documented within 5 miles of this site.
<i>Trichocoronis wrightii</i> var. <i>wrightii</i>	Wright's trichocoronis	None/None/2B.1	Meadows and seeps, Marshes and swamps, Riparian forest, Vernal pools; alkaline/annual herb/May–Sep/15–1,425	Not expected to occur. No suitable riparian vegetation, or wetland habitat is present on site. One CNDDDB observation is mapped 4.3 miles east of the site. The observation was last documented in 1991.

Notes: CDFW = California Fish and Wildlife Service,

* Region refers to the USGS 7.5-minute quadrangle in which the project site is located (Perris) and the eight surrounding quadrangles (Riverside East, Sunnymead, El Casco, Steele Peak, Lakeview, Lake Elsinore, Romoland, Winchester).

Status Legend

Federal

FE: Federally listed as endangered

FT: Federally listed as threatened

FC: Federal candidate for listing as threatened or endangered

State

SE: State listed as endangered

ST: State listed as threatened

SR: State listed as rare

CRPR (California Rare Plant Rank)

CRPR 1A: Plants presumed extinct in California and either rare or extinct elsewhere

CRPR List 1B: Plants rare, threatened, or endangered in California and elsewhere

CRPR List 2A: Plants rare, threatened, or endangered in California but common elsewhere

CRPR List 2B: Plants rare, threatened, or endangered in California but more common elsewhere

Threat Rank

APPENDIX D
SPECIAL-STATUS PLANT SPECIES POTENTIALLY OCCURRING WITHIN THE STUDY AREA

- .1 Seriously endangered in California (over 80% of occurrences threatened/high degree and immediacy of threat)
- .2 Fairly endangered in California (20% to 80% of occurrences threatened/moderate degree and immediacy of threat)
- .3 Not very endangered in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known).

References

- CDFW (California Department of Fish and Wildlife). 2020. RareFind 5, Version 5.2.14. California Natural Diversity Database. Sacramento, California: CDFW, Biogeographic Data Branch. Accessed July 2020. <https://map.dfg.ca.gov/rarefind/view/RareFind.aspx>.
- USDA (U.S. Department of Agriculture). 2019. Web Soil Survey: Santa Clara County Area. USDA, Natural Resources Conservation Service, Web Soil Survey Staff. Accessed July 2020. <http://websoilsurvey.nrcs.usda.gov/>.

Special-Status Wildlife Species

Scientific Name	Common Name	Status (Federal/State)	Primary Habitat Associations	Potential to Occur
Amphibians				
<i>Spea hammondi</i>	western spadefoot	None/SSC	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley-foothill woodlands, pastures, and other agriculture	Not expected to occur. No suitable vegetation present.
Reptiles				
<i>Actinemys marmorata</i>	northwestern pond turtle	None/SSC	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	Not expected to occur. No suitable vegetation present.
<i>Anniella stebbinsi</i>	southern California legless lizard	None/SSC	Coastal dunes, stabilized dunes, beaches, dry washes, valley-foothill, chaparral, and scrubs; pine, oak, and riparian woodlands; associated with sparse vegetation and moist sandy or loose, loamy soils	Not expected to occur. No suitable vegetation present.
<i>Arizona elegans occidentalis</i>	California glossy snake	None/SSC	Commonly occurs in desert regions throughout southern California. Prefers open sandy areas with scattered brush. Also found in rocky areas.	Not expected to occur. No suitable vegetation present.
<i>Aspidoscelis hyperythra</i>	orange-throated whiptail	None/WL	Low-elevation coastal scrub, chaparral, and valley-foothill hardwood	Not expected to occur. No suitable vegetation present.
<i>Aspidoscelis tigris stejnegeri</i>	San Diegan tiger whiptail	None/SSC	Hot and dry areas with sparse foliage, including chaparral, woodland, and riparian areas.	Not expected to occur. No suitable vegetation present.
<i>Coleonyx variegatus abbotti</i>	San Diego banded gecko	None/SSC	Rocky areas within coastal scrub and chaparral	Not expected to occur. No suitable vegetation present.
<i>Crotalus ruber</i>	red diamondback rattlesnake	None/SSC	Coastal scrub, chaparral, oak and pine woodlands, rocky grasslands, cultivated areas, and desert flats	Not expected to occur. No suitable vegetation present.
<i>Diadophis punctatus modestus</i>	San Bernardino ring-necked snake	None/None	Moist habitats including wet meadows, rocky hillsides, gardens, farmland grassland, chaparral, mixed-conifer forest, and woodland	Not expected to occur. No suitable vegetation present.

APPENDIX E

SPECIAL-STATUS WILDLIFE SPECIES POTENTIALLY OCCURRING WITHIN THE BIOLOGICAL STUDY AREA

Scientific Name	Common Name	Status (Federal/State)	Primary Habitat Associations	Potential to Occur
<i>Phrynosoma blainvillii</i>	Blainville's horned lizard	None/SSC	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	Not expected to occur. No suitable vegetation present.
<i>Salvadora hexalepis virgulata</i>	coast patch-nosed snake	None/SSC	Brushy or shrubby vegetation; requires small mammal burrows for refuge and overwintering sites	Not expected to occur. No suitable vegetation present.
Birds				
<i>Accipiter cooperii (nesting)</i>	Cooper's hawk	None/WL	Nests and forages in dense stands of live oak, riparian woodlands, or other woodland habitats often near water	Not expected to occur. No suitable vegetation present.
<i>Agelaius tricolor (nesting colony)</i>	tricolored blackbird	BCC/SSC, ST	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberry; forages in grasslands, woodland, and agriculture	Not expected to occur. No suitable vegetation present.
<i>Aimophila ruficeps canescens</i>	Southern California rufous-crowned sparrow	None/WL	Nests and forages in open coastal scrub and chaparral with low cover of scattered scrub interspersed with rocky and grassy patches	Not expected to occur. No suitable vegetation present.
<i>Aquila chrysaetos (nesting & wintering)</i>	golden eagle	BCC/FP, WL	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	Not expected to occur. No suitable vegetation present.
<i>Artemisiospiza belli belli</i>	Bell's sage sparrow	BCC/WL	Nests and forages in coastal scrub and dry chaparral; typically in large, unfragmented patches dominated by chamise; nests in more dense patches but uses more open habitat in winter	Not expected to occur. No suitable vegetation present.
<i>Asio otus (nesting)</i>	long-eared owl	None/SSC	Nests in riparian habitat, live oak thickets, other dense stands of trees, edges of coniferous forest; forages in nearby open habitats	Not expected to occur. No suitable vegetation present.

APPENDIX E

SPECIAL-STATUS WILDLIFE SPECIES POTENTIALLY OCCURRING WITHIN THE BIOLOGICAL STUDY AREA

Scientific Name	Common Name	Status (Federal/State)	Primary Habitat Associations	Potential to Occur
<i>Athene cunicularia</i> (burrow sites & some wintering sites)	burrowing owl	BCC/SSC	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	Moderate potential to occur. There is suitable habitat present on site. Twelve CNDDDB observations have been mapped within 5 miles of the site, on sites similar in habitat to the project site. The majority of these observations have been recorded within the last twenty years.
<i>Buteo regalis</i> (wintering)	ferruginous hawk	BCC/WL	Winters and forages in open, dry country, grasslands, open fields, agriculture	Not expected to occur. No suitable vegetation present.
<i>Campylorhynchus brunneicapillus sandiegensis</i> (San Diego & Orange Counties only)	coastal cactus wren	BCC/SSC	Southern cactus scrub patches	Not expected to occur. No suitable vegetation present.
<i>Charadrius alexandrinus nivosus</i> (nesting)	western snowy plover	FT, BCC/SSC	On coasts nests on sandy marine and estuarine shores; in the interior nests on sandy, barren or sparsely vegetated flats near saline or alkaline lakes, reservoirs, and ponds	Not expected to occur. No suitable vegetation present.
<i>Circus hudsonius</i> (nesting)	northern harrier	None/SSC	Nests in open wetlands (marshy meadows, wet lightly-grazed pastures, old fields, freshwater and brackish marshes); also in drier habitats (grassland and grain fields); forages in grassland, scrubs, rangelands, emergent wetlands, and other open habitats	Not expected to occur. The site is outside of the species' known geographic range and there is no suitable vegetation present.
<i>Coccyzus americanus occidentalis</i> (nesting)	western yellow-billed cuckoo	FT, BCC/SE	Nests in dense, wide riparian woodlands and forest with well-developed understories	Not expected to occur. No suitable vegetation present.
<i>Elanus leucurus</i> (nesting)	white-tailed kite	None/FP	Nests in woodland, riparian, and individual trees near open lands; forages opportunistically in grassland, meadows, scrubs, agriculture, emergent wetland, savanna, and disturbed lands	Not expected to occur. No suitable vegetation present.
<i>Empidonax traillii extimus</i> (nesting)	southwestern willow flycatcher	FE/SE	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration	Not expected to occur. No suitable vegetation present.
<i>Eremophila alpestris actia</i>	California horned lark	None/WL	Nests and forages in grasslands, disturbed lands, agriculture, and beaches; nests in alpine fell fields of the Sierra Nevada	Not expected to occur. No suitable vegetation present.

APPENDIX E

SPECIAL-STATUS WILDLIFE SPECIES POTENTIALLY OCCURRING WITHIN THE BIOLOGICAL STUDY AREA

Scientific Name	Common Name	Status (Federal/State)	Primary Habitat Associations	Potential to Occur
<i>Haliaeetus leucocephalus</i> (nesting & wintering)	bald eagle	FDL, BCC/FP, SE	Nests in forested areas adjacent to large bodies of water, including seacoasts, rivers, swamps, large lakes; winters near large bodies of water in lowlands and mountains	Not expected to occur. No suitable vegetation present.
<i>Icteria virens</i> (nesting)	yellow-breasted chat	None/SSC	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush	Not expected to occur. No suitable vegetation present.
<i>Lanius ludovicianus</i> (nesting)	loggerhead shrike	BCC/SSC	Nests and forages in open habitats with scattered shrubs, trees, or other perches	Not expected to occur. No suitable vegetation present.
<i>Laterallus jamaicensis</i> <i>coturniculus</i>	California black rail	BCC/FP, ST	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. No suitable vegetation present.
<i>Plegadis chihi</i> (nesting colony)	white-faced ibis	None/WL	Nests in shallow marshes with areas of emergent vegetation; winter foraging in shallow lacustrine waters, flooded agricultural fields, muddy ground of wet meadows, marshes, ponds, lakes, rivers, flooded fields, and estuaries	Not expected to occur. No suitable vegetation present.
<i>Poliophtila californica</i> <i>californica</i>	coastal California gnatcatcher	FT/SSC	Nests and forages in various sage scrub communities, often dominated by California sagebrush and buckwheat; generally avoids nesting in areas with a slope of greater than 40%; majority of nesting at less than 1,000 feet above mean sea level	Not expected to occur. No suitable vegetation present.
<i>Setophaga petechia</i> (nesting)	yellow warbler	BCC/SSC	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats	Not expected to occur. No suitable vegetation present.
<i>Spinus lawrencei</i> (nesting)	Lawrence's goldfinch	BCC/None	Nests and forages in open oak, arid woodlands, and chaparral near water	Not expected to occur. No suitable vegetation present.
<i>Vireo bellii pusillus</i> (nesting)	least Bell's vireo	FE/SE	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	Not expected to occur. No suitable vegetation present.

APPENDIX E

SPECIAL-STATUS WILDLIFE SPECIES POTENTIALLY OCCURRING WITHIN THE BIOLOGICAL STUDY AREA

Scientific Name	Common Name	Status (Federal/State)	Primary Habitat Associations	Potential to Occur
<i>Xanthocephalus xanthocephalus (nesting)</i>	yellow-headed blackbird	None/SSC	Nests in marshes with tall emergent vegetation, often along borders of lakes and ponds; forages in emergent wetlands, open areas, croplands, and muddy shores of lacustrine habitat	Not expected to occur. No suitable vegetation present.
Mammals				
<i>Chaetodipus californicus femoralis</i>	Dulzura pocket mouse	None/SSC	Open habitat, coastal scrub, chaparral, oak woodland, chamise chaparral, mixed-conifer habitats; disturbance specialist; 0 to 3,000 feet above mean sea level	Not expected to occur. No suitable vegetation present.
<i>Chaetodipus fallax fallax</i>	northwestern San Diego pocket mouse	None/SSC	Coastal scrub, mixed chaparral, sagebrush, desert wash, desert scrub, desert succulent shrub, pinyon-juniper, and annual grassland	Not expected to occur. No suitable vegetation present.
<i>Dipodomys merriami parvus</i>	San Bernardino kangaroo rat	FE/SSC, PSE	Sparse scrub habitat, alluvial scrub/coastal scrub habitats on gravelly and sandy soils near river and stream terraces	Not expected to occur. No suitable vegetation present.
<i>Dipodomys stephensi</i>	Stephens' kangaroo rat	FE/ST	Annual and perennial grassland habitats, coastal scrub or sagebrush with sparse canopy cover, or in disturbed areas	Not expected to occur. No suitable vegetation present.
<i>Eumops perotis californicus</i>	western mastiff bat	None/SSC	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	Not expected to occur. No suitable vegetation present.
<i>Lasiurus xanthinus</i>	western yellow bat	None/SSC	Valley-foothill riparian, desert riparian, desert wash, and palm oasis habitats; below 2,000 feet above mean sea level; roosts in riparian and palms	Not expected to occur. No suitable vegetation present.
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit	None/SSC	Arid habitats with open ground; grasslands, coastal scrub, agriculture, disturbed areas, and rangelands	Not expected to occur. No suitable vegetation present.
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	None/SSC	Coastal scrub, desert scrub, chaparral, cacti, rocky areas	Not expected to occur. No suitable vegetation present.

APPENDIX E

SPECIAL-STATUS WILDLIFE SPECIES POTENTIALLY OCCURRING WITHIN THE BIOLOGICAL STUDY AREA

Scientific Name	Common Name	Status (Federal/State)	Primary Habitat Associations	Potential to Occur
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat	None/SSC	Pinyon-juniper woodlands, desert scrub, desert succulent shrub, desert riparian, desert wash, alkali desert scrub, Joshua tree, and palm oases; roosts in high cliffs or rock outcrops with drop-offs, caverns, and buildings	Not expected to occur. No suitable vegetation present.
<i>Onychomys torridus ramona</i>	southern grasshopper mouse	None/SSC	Grassland and sparse coastal scrub	Not expected to occur. No suitable vegetation present.
<i>Perognathus longimembris brevinasus</i>	Los Angeles pocket mouse	None/SSC	Lower-elevation grassland, alluvial sage scrub, and coastal scrub	Not expected to occur. No suitable vegetation present.
<i>Taxidea taxus</i>	American badger	None/SSC	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	Not expected to occur. No suitable vegetation present.
Invertebrates				
<i>Bombus crotchii</i>	Crotch bumble bee	None/PSE	Open grassland and scrub communities supporting suitable floral resources.	Not expected to occur. No suitable vegetation present.
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	FT/None	Vernal pools, seasonally ponded areas within vernal swales, and ephemeral freshwater habitats	Not expected to occur. No suitable vegetation present.
<i>Ceratochrysis longimata</i>	Desert cuckoo wasp	None/None	(blank)	Not expected to occur. No suitable vegetation present.
<i>Cicindela senilis frosti</i>	senile tiger beetle	None/None	Inhabits marine shoreline, from Central California coast south to saltmarshes of San Diego; also found at Lake Elsinore	Not expected to occur. No suitable vegetation present.
<i>Euphydryas editha quino</i>	quino checkerspot butterfly	FE/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)	Not expected to occur. No suitable vegetation present.
<i>Socalchemmis icenoglei</i>	Icenogle's socialchemmis spider	None/None	Known only from the type locality in the vicinity of Winchester, Riverside County	Not expected to occur. No suitable vegetation present.
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp	FE/None	Vernal pools, non-vegetated ephemeral pools	Not expected to occur. No suitable vegetation present.

Notes: CDFW = California Department of Fish and Wildlife

* Region refers to the USGS 7.5-minute quadrangle in which the project site is located (Perris) and the eight surrounding quadrangles (Riverside East, Sunnymead, El Casco, Steele Peak, Lakeview, Lake Elsinore, Romoland, Winchester).

APPENDIX E

SPECIAL-STATUS WILDLIFE SPECIES POTENTIALLY OCCURRING WITHIN THE BIOLOGICAL STUDY AREA

Status Legend

Federal

BCC: Bird of Conservation Concern

FC: Candidate for federal listing as threatened or endangered

FDL: Federally delisted; monitored for 5 years

FE: Federally listed endangered

FT: Federally listed as threatened

State

PSE: Proposed state listing as endangered

SDL: State delisted

SSC: Species of Special Concern

FP: California Department of Fish and Wildlife Protected and Fully Protected Species

SE: State listed as endangered

ST: State listed as threatened

References

CDFW. 2020. RareFind 5, Version 5.2.14. California Natural Diversity Database. Sacramento, California: CDFW, Biogeographic Data Branch. Accessed July 2020.

<https://map.dfg.ca.gov/rarefind/view/RareFind.aspx>.

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