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Document Title:	Appendix 4-2A Summary of Special Status Wildlife Species within the Study Area
Description:	The appendix includes a list of Special Status Wildlife Species with a Potential to Occur within the Survey Area.
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Appendix 4.2A

Summary of Special Status-Species within the Study
Area

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SPECIAL-STATUS WILDLIFE SPECIES POTENTIAL TO OCCUR TABLE

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
Amphibians				
<i>Anaxyrus californicus</i>	arroyo toad	FE/SSC	Semi-arid areas near washes, sandy riverbanks, riparian areas, palm oasis, Joshua tree, mixed chaparral and sagebrush; stream channels for breeding (typically third order); adjacent stream terraces and uplands for foraging and wintering	Not expected to occur. No suitable vegetation present. The closest known occurrence is approximated 5 miles from the project site (CDFW 2021).
<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	Low potential to occur. Limited suitable habitat present. Grassland within project site mainly consists of non-native grasses, and the water source within the project site moves too quickly for this species. The closest known occurrence is approximately 3 miles from the project site (CDFW 2021).
<i>Taricha torosa</i> (Monterey Co. south only)	California newt	None/SSC	Wet forests, oak forests, chaparral, and rolling grassland	Not expected to occur. No suitable vegetation present. The closest known occurrence is approximately 15 miles from the project site (CDFW 2021).
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. The closest known occurrence is approximately 0.5 miles from the project site (CDFW 2021).
<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	Not expected to occur. Vegetation present on project site is too dense for this species. The closest known occurrence is approximately 2 miles from the project site (CDFW 2021).

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Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
			and moist sandy or loose, loamy soils	
<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 habitat present for this species. The closest known occurrence is approximately 2 miles from the project site (CDFW 2021).
<i>Aspidoscelis hyperythra</i>	orange-throated whiptail	None/WL	Low-elevation coastal scrub, chaparral, and valley-foothill hardwood	Moderate potential to occur. Suitable vegetation present on project site. The closest known occurrence is approximately 2 miles from the project site (CDFW 2021).
<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 habitat present on site. The closest known occurrence is approximately 3 miles from the project site (CDFW 2021).
<i>Crotalus ruber</i>	red diamondback rattlesnake	None/SSC	Coastal scrub, chaparral, oak and pine woodlands, rocky grasslands, cultivated areas, and desert flats	Moderate potential to occur. Suitable vegetation present on project site. The closest known occurrence is approximately 5 miles from the project site (CDFW 2021).
<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. Vegetation present on site is too dense to support this species. The closest known occurrence is approximately 3 miles from the project site (CDFW 2021).

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Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Plestiodon skiltonianus interparietalis</i>	Coronado skink	None/WL	Woodlands, grasslands, pine forests, and chaparral; rocky areas near water	Low potential to occur. Limited suitable habitat present on site; however, it is isolated from any nearby observations. The closest known occurrence is approximately 10 miles from the project site (CDFW 2021).
<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 habitat present on site. The closest known occurrence is approximately 15 miles from the project site (CDFW 2021).
<i>Thamnophis hammondi</i>	two-striped gartersnake	None/SSC	Streams, creeks, pools, streams with rocky beds, ponds, lakes, vernal pools	Not expected to occur. No suitable vegetation present. The closest known occurrence is approximately 2 miles from the project site (CDFW 2021).
Birds				
<i>Accipiter cooperii</i> (nesting)	Cooper's hawk	None/WL	Nests and forages in dense stands of live oak, riparian woodlands, or other woodland habitats often near water	Low potential to forage, not expected to nest. Suitable foraging habitat present, but no habitat suitable for nesting. The closest known occurrence is approximately 2 miles from the project site (CDFW 2021).
<i>Agelaius tricolor</i> (nesting colony)	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	XXXX potential to occur. The closest known occurrence is approximately 1.5 miles from the project site (CDFW 2021).
<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. The closest known occurrence is approximately 2 miles from the project site (CDFW 2021).

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Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Ammodramus savannarum</i> (nesting)	grasshopper sparrow	None/SSC	Nests and forages in moderately open grassland with tall forbs or scattered shrubs used for perches	Not expected to occur. No suitable habitat present. The closest known occurrence is approximately 10 miles from the project site (CDFW 2021).
<i>Aquila chrysaetos</i> (nesting & wintering)	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. Suitable habitat The closest known occurrence is approximately 10 miles from the project site (CDFW 2021).
<i>Asio otus</i> (nesting)	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	Low potential to occur. Some suitable habitat is present on site; however, the habitat is low quality. The closest known occurrence is approximately 5 miles from the project site (CDFW 2021).
<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	Low potential to occur. Suitable agricultural fields are present; however, there is a lack of suitable burrows for nesting. The closest known occurrence is approximately 4 miles from the project site (CDFW 2021).
<i>Buteo regalis</i> (wintering)	ferruginous hawk	BCC/WL	Winters and forages in open, dry country, grasslands, open fields, agriculture	XXXX potential to occur. The closest known occurrence is approximately 10 miles from the project site (CDFW 2021).
<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 cactus scrub patches present to support this species. The closest known occurrence is approximately 2 miles from the project site (CDFW 2021).

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Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<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 closest known occurrence is approximately 10 miles from the project site (CDFW 2021).
<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. Wide riparian areas not present to support this species. The closest known occurrence is approximately 20 miles from the project site (CDFW 2021).
<i>Coturnicops noveboracensis</i>	yellow rail	BCC/SSC	Nesting requires wet marsh/sedge meadows or coastal marshes with wet soil and shallow, standing water	Not expected to occur. No suitable vegetation present. The closest known occurrence is approximately 15 miles from the project site (CDFW 2021).
<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	Low potential to occur. My forage but is unlikely to nest on site. The closest known occurrence is approximately 1 mile from the project site (CDFW 2021).
<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. The closest known occurrence is approximately 4 miles from the project site (CDFW 2021).
<i>Eremophila alpestris actia</i>	California horned lark	None/WL	This subspecies of horned lark occurs on the state's southern and central coastal slope and in the San Joaquin Valley. Nests and forages in grasslands, disturbed lands, agriculture, and beaches.	Moderate potential to occur. The closest known occurrence is approximately 10 miles from the project site (CDFW 2021).

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Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<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	Found on project site.
<i>Laterallus jamaicensis 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. The closest known occurrence is approximately 15 miles from the project site (CDFW 2021).
<i>Passerculus sandwichensis beldingi</i>	Belding's savannah sparrow	None/SE	Nests and forages in coastal saltmarsh dominated by pickleweed (<i>Salicornia</i> spp.)	Not expected to occur. Suitable vegetation is not present to support this species. The closest known occurrence is approximately 10 miles from the project site (CDFW 2021).
<i>Polioptila californica 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. The closest known occurrence overlaps the project site (CDFW 2021).
<i>Rallus obsoletus levipes</i>	Ridgway's rail	FE/SE, FP	Coastal wetlands, brackish areas, coastal saline emergent wetlands	Not expected to occur. No suitable vegetation present. The closest known occurrence is approximately 15 miles from the project site (CDFW 2021).
<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	Found on project site.
<i>Sternula antillarum browni</i> (nesting colony)	California least tern	FE/FP, SE	Forages in shallow estuaries and lagoons; nests on sandy beaches or exposed tidal flats	Not expected to occur. No suitable habitat is present to support this species. The closest known

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Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
				occurrence is approximately 15 miles from the project site (CDFW 2021).
<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	Moderate potential to occur. Suitable riparian vegetation is present across the project site. The closest known occurrence is approximately 1 mile from the project site (CDFW 2021).
Fishes				
<i>Eucyclogobius newberryi</i>	tidewater goby	FE/None	Brackish water habitats along the California coast from Agua Hedionda Lagoon, San Diego County, to the mouth of the Smith River	Not expected to occur. No suitable vegetation present. The closest known occurrence is approximately 5 miles from the project site (CDFW 2021).
<i>Gila orcuttii</i>	arroyo chub	None/SSC	Warm, fluctuating streams with slow-moving or backwater sections of warm to cool streams at depths >40 centimeters (16 inches); substrates of sand or mud	Not expected to occur. No suitable vegetation present. The closest known occurrence is approximately 0.5 miles from the project site (CDFW 2021).
<i>Oncorhynchus mykiss irideus</i> pop. 10	southern steelhead - southern California DPS	FE/None	Clean, clear, cool, well-oxygenated streams; needs relatively deep pools in migration and gravelly substrate to spawn	Not expected to occur. No suitable vegetation present. The closest known occurrence is approximately 0.5 miles from the project site (CDFW 2021).
<i>Rhinichthys osculus</i> ssp. 3	Santa Ana speckled dace	None/SSC	Headwaters of the Santa Ana and San Gabriel Rivers; may be extirpated from the Los Angeles River system	Not expected to occur. No suitable vegetation present. The closest known occurrence is approximately 15 miles from the project site (CDFW 2021).
Mammals				
<i>Antrozous pallidus</i>	pallid bat	None/SSC	Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for	Moderate potential to occur. The closest known occurrence is approximately 5 miles from the project site (CDFW 2021).

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Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
			roosting, but also roosts in man-made structures and trees	
<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 habitat present to support this species. The closest known occurrence is approximately 5 miles from the project site (CDFW 2021).
<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 habitat present to support this species. The closest known occurrence is approximately 10 miles from the project site (CDFW 2021).
<i>Choeronycteris mexicana</i>	Mexican long-tongued bat	None/SSC	Desert and montane riparian, desert succulent scrub, desert scrub, and pinyon-juniper woodland; roosts in caves, mines, and buildings	Not expected to occur. The closest known occurrence is approximately 10 miles from the project site (CDFW 2021).
<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 is present to support this species. Vegetation found on site is also too dense. The closest known occurrence is approximately 10 miles from the project site (CDFW 2021).
<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	Low potential to occur. The closest known occurrence is approximately 3 miles from the project site (CDFW 2021).

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Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Lasiurus blossevillii</i>	western red bat	None/SSC	Forest, woodland, riparian, mesquite bosque, and orchards, including fig, apricot, peach, pear, almond, walnut, and orange; roosts in tree canopy	Low potential to occur. The closest known occurrence is approximately 10 miles from the project site (CDFW 2021).
<i>Myotis yumanensis</i>	Yuma myotis	None/None	Riparian, arid scrublands and deserts, and forests associated with water (streams, rivers, tinajas); roosts in bridges, buildings, cliff crevices, caves, mines, and trees	Low potential to occur. The closest known occurrence is approximately 2 miles from the project site (CDFW 2021).
<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. The closest known occurrence is approximately 5 miles from the project site (CDFW 2021).
<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	Low potential to occur. Limited suitable habitat present. The closest known occurrence is approximately 10 miles from the project site (CDFW 2021).
<i>Nyctinomops macrotis</i>	big free-tailed bat	None/SSC	Rocky areas; roosts in caves, holes in trees, buildings, and crevices on cliffs and rocky outcrops; forages over water	Not expected to occur. Suitable habitat is not present to support this species. The closest known occurrence is approximately 10 miles from the project site (CDFW 2021).
<i>Onychomys torridus ramona</i>	southern grasshopper mouse	None/SSC	Grassland and sparse coastal scrub	Not expected to occur. No suitable habitat is present to support this species. The closest known occurrence is approximately 10 miles from the project site (CDFW 2021).
<i>Perognathus longimembris pacificus</i>	Pacific pocket mouse	FE/SSC	fine-grained sandy substrates in open coastal strand, coastal dunes, and river alluvium	Not expected to occur. No suitable vegetation present. The closest known occurrence is approximately 5

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Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
				miles from the project site (CDFW 2021).
<i>Sorex ornatus salicornicus</i>	southern California saltmarsh shrew	None/SSC	Saltmarsh, saltgrass, dense willow, bulrush	Not expected to occur. No suitable vegetation present. The closest known occurrence is approximately 15 miles from the project site (CDFW 2021).
<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. The project site is too isolated from other suitable habitat to support this species. The closest known occurrence is approximately 10 miles from the project site (CDFW 2021).
Invertebrates				
<i>Bombus crotchii</i>	Crotch bumble bee	None/PSE	Open grassland and scrub communities supporting suitable floral resources in arid areas.	Low potential to occur. Grassland and scrub with limited <i>Salvia</i> floral nectar resources onsite.
<i>Branchinecta sandiegonensis</i>	San Diego fairy shrimp	FE/None	Vernal pools, non-vegetated ephemeral pools	Not expected to occur. No suitable vernal pool habitat is present to support this species. The closest known occurrence is approximately 3 miles from the project site (CDFW 2021).
<i>Danaus plexippus</i> pop. 1	monarch	None/None	Wind-protected tree groves with nectar sources and nearby water sources	Low potential to occur. Some potential habitat is present to support this species. The closest known occurrence is approximately 2 miles from the project site (CDFW 2021).
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp	FE/None	Vernal pools, non-vegetated ephemeral pools	Not expected to occur. No suitable vernal pool habitat is present to support this species. The closest known occurrence is approximately 3 miles from the project site (CDFW 2021).