



Photograph 1. South-facing view of the non-native grassland within the northern portion of the project site (35.350175°, -119.097907°).



Photograph 2. East-facing view of a California ground squirrel burrow within the project site (35.349472°, -119.097837°).



Photograph 3. South-facing view of the Arvin-Edison Canal within the eastern portion of the survey area (35.349586°, -119.096725°).



Photograph 4. Northeast-facing view of the non-native grassland within the eastern edge of the survey area (35.346977°, -119.096488°).



Photograph 5. West-facing view of the non-native grassland within the southern portion of the survey area (35.346977°, -119.096488°)



Photograph 6. South-facing view of the Fremont cottonwood woodland and forest within the southern portion of the survey area (35.347680°, -119.099325°).

ATTACHMENT C

Species Compendiums

PLANTS

Scientific Name	Common Name	Status Federal/State/CRPR
VASCULAR SPECIES		
EUDICOTS		
APOCYNACEAE		
<i>Nerium oleander</i>	oleander*	None/None/None
ASTERACEAE		
<i>Baccharis salicifolia</i>	mulefat	None/None/None
<i>Helminthotheca echioides</i>	bristly oxtongue*	None/None/None
BRASSICACEAE		
<i>Capsella bursa-pastoris</i>	shepherd's purse*	None/None/None
<i>Sisymbrium irio</i>	London rocket*	None/None/None
CHENOPODIACEAE		
<i>Atriplex polycarpa</i>	allscale	None/None/None
<i>Salsola tragus</i>	prickly Russian thistle*	None/None/None
FABACEAE		
<i>Acacia</i> sp.	wattle*	
GERANIACEAE		
<i>Erodium botrys</i>	big heron bill*	None/None/None
SALICACEAE		
<i>Populus fremontii</i>	Fremont cottonwood	None/None/None
<i>Salix exigua</i>	sandbar willow	None/None/None
URTICACEAE		
<i>Urtica urens</i>	dwarf nettle*	None/None/None
MONOCOTS		
ARECACEAE		
<i>Washingtonia robusta</i>	Washington fan palm*	None/None/None
CYPERACEAE		
<i>Cyperus eragrostis</i>	tall flatsedge	None/None/None
POACEAE		
<i>Bromus diandrus</i>	ripgut brome*	None/None/None
<i>Bromus madritensis</i>	compact brome*	None/None/None
<i>Hordeum murinum</i>	foxtail barley*	None/None/None

* Indicates non-native species

WILDLIFE

Scientific Name	Common Name	Status Federal/State Other
BIRDS		
CORVIDAE		
CROWS & JAYS		
<i>Aphelocoma californica</i>	California scrub-jay	None/None No Other Status
<i>Corvus brachyrhynchos</i>	American crow	None/None No Other Status
TROCHILIDAE		
HUMMINGBIRDS		
<i>Calypte anna</i>	Anna's hummingbird	None/None No Other Status
PARULIDAE		
WOOD-WARBLED		
<i>Setophaga coronata</i>	yellow-rumped warbler	None/None No Other Status
CATHARTIDAE		
NEW WORLD VULTURES		
<i>Cathartes aura</i>	turkey vulture	None/None No Other Status

Scientific Name	Common Name	Status Federal/State Other
FRINGILLIDAE	FRINGILLINE & CARDUELINE FINCHES & ALLIES	
<i>Haemorhous mexicanus</i>	house finch	None/None No Other Status
PICIDAE	WOODPECKERS & ALLIES	
<i>Colaptes auratus</i>	northern flicker	None/None No Other Status
COLUMBIDAE	PIGEONS & DOVES	
<i>Columba livia</i>	rock pigeon (rock dove)*	None/None No Other Status
<i>Zenaida macroura</i>	mourning dove	None/None No Other Status
TYRANNIDAE	TYRANT FLYCATCHERS	
<i>Sayornis nigricans</i>	black phoebe	None/None No Other Status
<i>Sayornis saya</i>	Say's phoebe	None/None No Other Status
FALCONIDAE	CARACARAS & FALCONS	
<i>Falco sparverius</i>	American kestrel	None/None No Other Status
MIMIDAE	MOCKINGBIRDS & THRASHERS	
<i>Mimus polyglottos</i>	northern mockingbird	None/None No Other Status
STURNIDAE	STARLINGS	
<i>Sturnus vulgaris</i>	European starling*	None/None No Other Status
MAMMALS		
SCIURIDAE	SQUIRRELS	
<i>Otospermophilus beecheyi</i>	California ground squirrel	None/None No Other Status

* Indicates non-native species

Status Legend:		
Federal	State	Other
FE: Federally listed as endangered	SE: State listed as endangered	BCC: U.S. Fish and Wildlife Service Bird of Conservation Concern
FT: Federally listed as threatened	ST: State listed as threatened	BLM-S: Bureau of Land Management Sensitive Species
FPE: Federally proposed for listing as endangered	SR: State rare	CDFW-FP: California Fully Protected Species
FPT: Federally proposed for listing as threatened	SCE: State candidate for listing as endangered	CDFW-SSC: California Species of Special Concern
FC: Federal candidate species (former Category 1 candidates)	SCT: State candidate for listing as threatened	USFS-S: U.S. Forest Service Sensitive Species
None: No federal listing	None: No state listing	
FDL: Delisted	SDL: State delisting	

ATTACHMENT D

Special-Status Species Potential to Occur Tables

SPECIAL-STATUS PLANT SPECIES WITH POTENTIAL TO OCCUR IN STUDY AREA

Scientific Name	Common Name	Status (Federal/State/CRPR/Other)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
<i>Allium howellii</i> var. <i>howellii</i>	Howell's onion	None/None/4.3/None	Valley and foothill grassland; Clay (sometimes), Serpentine (sometimes)/perennial bulbiferous herb/Mar–Apr/165–7220	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species is not expected to occur.
<i>Astragalus hornii</i> var. <i>hornii</i>	Horn's milk-vetch	None/None/1B.1/BLM-S	Meadows and seeps, Playas; Alkaline, Lake Margins/annual herb/May–Oct/195–2790	No meadow, seep, or playa habitat is present within the project site. Species not expected to occur.
<i>Atriplex cordulata</i> var. <i>cordulata</i>	heartscale	None/None/1B.2/BLM-S	Chenopod scrub, Meadows and seeps, Valley and foothill grassland (sandy); Alkaline (sometimes)/annual herb/Apr–Oct/0–1835	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species is not expected to occur.
<i>Atriplex coronata</i> var. <i>vallicola</i>	Lost Hills crownscale	None/None/1B.2/BLM-S	Chenopod scrub, Valley and foothill grassland, Vernal pools; Alkaline/annual herb/Apr–Sep/165–2085	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Atriplex tularensis</i>	Bakersfield smallscale	None/SE/1A/None	Chenopod scrub/annual herb/June–Oct/295–655	No chenopod scrub habitat is present within the project site. Species not expected to occur.
<i>Azolla microphylla</i>	Mexican mosquito fern	None/None/4.2/None	Marshes and swamps (ponds, slow water)/annual/perennial herb/Aug/100–330	No marsh or swamp habitat is present within the project site. Species not expected to occur.
<i>Calochortus striatus</i>	alkali mariposa-lily	None/None/1B.2/BLM-S, USFS-S	Chaparral, Chenopod scrub, Meadows and seeps, Mojavean desert scrub; Alkaline, Mesic/perennial bulbiferous herb/Apr–June/230–5235	No chaparral or chenopod scrub habitat is present within the project site. Species not expected to occur.
<i>Caulanthus californicus</i>	California jewelflower	FE/SE/1B.1/None	Chenopod scrub, Pinyon and juniper woodland, Valley and foothill grassland; Sandy/annual herb/Feb–May/200–3280	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species is not expected to occur.

Scientific Name	Common Name	Status (Federal/State/CRPR/Other)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
<i>Chloropyron molle</i> ssp. <i>hispidum</i>	hispid salty bird's-beak	None/None/1B.1/None	Meadows and seeps, Playas, Valley and foothill grassland; Alkaline/annual herb (hemiparasitic)/June–Sep/5–510	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species is not expected to occur.
<i>Clarkia exilis</i>	slender clarkia	None/None/4.3/None	Cismontane woodland/annual herb/Apr–May/395–3280	No cismontane woodland habitat is present within the project site. Species not expected to occur.
<i>Delphinium recurvatum</i>	recurved larkspur	None/None/1B.2/BLM-S	Chenopod scrub, Cismontane woodland, Valley and foothill grassland; Alkaline/perennial herb/Mar–June/10–2590	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Diplacus pictus</i>	calico monkeyflower	None/None/1B.2/BLM-S	Broadleafed upland forest, Cismontane woodland; Disturbed areas, Granitic/annual herb/Mar–May/330–4690	Disturbed areas and granitic outcrops within broadleafed upland forest and cismontane woodland is not present within the project site. Species not expected to occur.
<i>Eremalche parryi</i> ssp. <i>kernensis</i>	Kern mallow	FE/None/1B.2/None	Chenopod scrub, Pinyon and juniper woodland, Valley and foothill grassland; Clay (sometimes), Dry, Openings, Sandy (sometimes)/annual herb/Jan(Feb)Mar–May/230–4230	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Eriastrum hooveri</i>	Hoover's eriastrum	FD/None/4.2/None	Chenopod scrub, Pinyon and juniper woodland, Valley and foothill grassland; Gravelly (sometimes)/annual herb/Mar–July/165–3000	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Eriogonum gossypinum</i>	cottony buckwheat	None/None/4.2/None	Chenopod scrub, Valley and foothill grassland; Clay/annual herb/Mar–Sep/330–1805	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.

Scientific Name	Common Name	Status (Federal/State/CRPR/Other)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
<i>Eschscholzia lemmonii</i> ssp. <i>kernensis</i>	Tejon poppy	None/None/1B.1/BLM-S	Chenopod scrub, Valley and foothill grassland/annual herb/(Feb)Mar–May/525–3280	The study area is outside of the species' known elevation range. Species not expected to occur.
<i>Goodmania luteola</i>	golden goodmania	None/None/4.2/None	Meadows and seeps, Mojavean desert scrub, Playas, Valley and foothill grassland; Alkaline (sometimes), Clay (sometimes)/annual herb/Apr–Aug/65–7220	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Hordeum intercedens</i>	vernal barley	None/None/3.2/None	Coastal dunes, Coastal scrub, Valley and foothill grassland (depressions, saline flats), Vernal pools/annual herb/Mar–June/15–3280	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Imperata brevifolia</i>	California satintail	None/None/2B.1/USFS-S	Chaparral, Coastal scrub, Meadows and seeps (often alkali), Mojavean desert scrub, Riparian scrub; Mesic/perennial rhizomatous herb/Sep–May/0–3985	No chaparral, meadow, seep, or scrub habitat is present within the project site. Species not expected to occur.
<i>Lasthenia ferrisiae</i>	Ferris' goldfields	None/None/4.2/None	Vernal pools (alkaline, clay)/annual herb/Feb–May/65–2295	No vernal pool habitat is present within the project site. Species not expected to occur.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	None/None/1B.1/BLM-S	Marshes and swamps (coastal salt), Playas, Vernal pools/annual herb/Feb–June/5–4005	No marsh or swamp habitat is present within the project site. Species not expected to occur.
<i>Layia leucopappa</i>	Comanche Point layia	None/None/1B.1/None	Chenopod scrub, Valley and foothill grassland/annual herb/Mar–Apr/330–1150	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Leptosiphon grandiflorus</i>	large-flowered leptosiphon	None/None/4.2/None	Cismontane woodland, Closed-cone coniferous forest, Coastal bluff scrub, Coastal dunes, Coastal prairie, Coastal scrub, Valley and foothill grassland; Sandy (usually)/annual herb/Apr–Aug/15–4005	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species is not expected to occur.

Scientific Name	Common Name	Status (Federal/State/CRPR/Other)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
<i>Monolopia congdonii</i>	San Joaquin woollythreads	FE/None/1B.2/None	Chenopod scrub, Valley and foothill grassland (sandy)/annual herb/Feb–May/195–2625	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species is not expected to occur.
<i>Navarretia setiloba</i>	Piute Mountains navarretia	None/None/1B.1/BLM-S, USFS-S	Cismontane woodland, Pinyon and juniper woodland, Valley and foothill grassland; Clay (sometimes), Gravelly (sometimes), Loam (sometimes)/annual herb/Apr–July/935–6890	The study area is outside of the species' known elevation range. Species not expected to occur.
<i>Opuntia basilaris</i> var. <i>treleasei</i>	Bakersfield cactus	FE/SE/1B.1/None	Chenopod scrub, Cismontane woodland, Valley and foothill grassland; Gravelly (sometimes), Sandy (sometimes)/perennial stem/Apr–May/330–4755	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species is not expected to occur.
<i>Puccinellia simplex</i>	California alkali grass	None/None/1B.2/BLM-S	Chenopod scrub, Meadows and seeps, Valley and foothill grassland, Vernal pools; Alkaline, Flats, Lake Margins, Vernal Mesic/annual herb/Mar–May/5–3050	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species is not expected to occur.
<i>Stylocline citroleum</i>	oil neststraw	None/None/1B.1/BLM-S	Chenopod scrub, Coastal scrub, Valley and foothill grassland; Clay/annual herb/Mar–Apr/165–1310	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Stylocline masonii</i>	Mason's neststraw	None/None/1B.1/USFS-S	Chenopod scrub, Pinyon and juniper woodland; Sandy/annual herb/Mar–May/330–3935	No chenopod scrub, pinyon, or juniper woodland habitat is present within the project site. Species not expected to occur.
<i>Tortula californica</i>	California screw moss	None/None/1B.2/BLM-S	Chenopod scrub, Valley and foothill grassland; Sandy/moss//35–4790	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.

Scientific Name	Common Name	Status (Federal/State/CRPR/Other)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
<i>Trichostema ovatum</i>	San Joaquin bluecurls	None/None/4.2/None	Chenopod scrub, Valley and foothill grassland/annual herb/(Apr–June)July–Oct/215–1050	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species is not expected to occur.

Status Legend:

Federal

FE: Federally listed as endangered
 FT: Federally listed as threatened
 FPE: Federally proposed for listing as endangered
 FPT: Federally proposed for listing as threatened
 FC: Federal candidate species (former Category 1 candidates)
 None: No federal listing
 FDL: Delisted

California Rare Plant Rank (CRPR)

CBR: Considered but rejected
 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 common elsewhere
 CRPR 2B: Plants rare, threatened, or endangered in California but more common elsewhere
 CRPR 3: Review List: Plants about which more information is needed
 CRPR 4: Watch List: Plants of limited distribution
 .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)

State

SE: State listed as endangered
 ST: State listed as threatened
 SR: State rare
 SCE: State candidate for listing as endangered
 SCT: State candidate for listing as threatened
 None: No state listing
 SDL: State delisting

HCP/NCCP Designations:

Covered: Species afforded incidental take coverage
 None: Species not afforded incidental take coverage

SPECIAL-STATUS ANIMAL SPECIES WITH POTENTIAL TO OCCUR IN STUDY AREA

Scientific Name	Common Name	Status Federal/State/Other	Habitats	Potential to Occur in BSA
Amphibians				
<i>Spea hammondi</i>	western spadefoot	FPT / None / BLM-S, CDFW-SSC	Cismontane woodland Coastal scrub Valley & foothill grassland Vernal pool Wetland; Occurs primarily in grassland habitats but can be found in valley-foothill hardwood woodlands.	Although suitable grassland habitat is present within the project site, there are no vernal pools which are essential for breeding and egg-laying for this species. This species is not expected to occur.
Birds				
<i>Agelaius tricolor</i>	tricolored blackbird	None / ST / BLM-S, CDFW-SSC	Freshwater marsh Marsh & swamp Swamp Wetland; Highly colonial species, most numerous in Central Valley and vicinity. Largely endemic to California.	No marsh or wetland habitat is present within the project site. Species not expected to occur.
<i>Athene cunicularia</i>	burrowing owl	None / SCE / BLM-S, CDFW-SSC	Coastal prairie Coastal scrub Great Basin grassland Great Basin scrub Mojavean desert scrub Sonoran desert scrub Valley & foothill grassland; Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation.	The project site has grassland habitat, suitable empty burrows, and is within the species' range. The species has been recently documented within five miles of the site. Species has a moderate potential to occur.
<i>Buteo swainsoni</i>	Swainson's hawk	None / ST / BLM-S	Great Basin grassland Riparian forest Riparian woodland Valley & foothill grassland; Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees.	Although suitable foraging habitat is present within the project site, suitable nesting habitat is not. All the recent extant occurrence records are over 5 miles from the project site. Species not expected to occur.
<i>Charadrius nivosus nivosus</i>	western snowy plover	FT / None / CDFW-SSC	Great Basin standing waters Sand shore Wetland; Sandy beaches, salt pond levees and shores of large alkali lakes.	No sand shore or wetland habitat is present within the project site. Species not expected to occur.
<i>Coccyzus americanus occidentalis</i>	western yellow-billed cuckoo	FT / SE / BLM-S, USFS-S	Riparian forest; Riparian forest nester, along the broad, lower flood-bottoms of larger river systems.	No suitable habitat is present within the project site. Species not expected to occur.
<i>Dendrocygna bicolor</i>	fulvous whistling-duck	None / None / CDFW-SSC	Freshwater marsh Marsh & swamp; Fresh-water marsh.	No marsh or wetland habitat is present within the project site. Species not expected to occur.

Scientific Name	Common Name	Status Federal/State/Other	Habitats	Potential to Occur in BSA
<i>Elanus leucurus</i>	white-tailed kite	None / None / BLM-S, CDFW-FP	Cismontane woodland Marsh & swamp Riparian woodland Valley & foothill grassland Wetland; Rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to deciduous woodland.	This species forages almost exclusively in open, grassy habitats and build nests high in trees. Although grassland habitat is present on-site, it is generally surrounded by development that is not suitable foraging habitat and no trees suitable for nesting by this species occurs on-site. One record of this species from 1992 on the north side of the Kern River in riparian habitat was identified during the literature. While documented within 5 miles of the project site, this species is not expected to occur.
<i>Eremophila alpestris actia</i>	California horned lark	None / None / None	Marine intertidal & splash zone communities Meadow & seep; Coastal regions, chiefly from Sonoma County to San Diego County. Also main part of San Joaquin Valley and east to foothills.	No marine, meadow, or seep habitat is present within the project site. Species not expected to occur.
<i>Gymnogyps californianus</i>	California condor	FE / SE / CDFW-FP	Chaparral Valley & foothill grassland; Require vast expanses of open savannah, grasslands, and foothill chaparral in mountain ranges of moderate altitude.	The project site has grassland habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Plegadis chihi</i>	white-faced ibis	None / None / None	Marsh & swamp Wetland; Shallow freshwater marsh.	No marsh or wetland habitat is present within the project site. Species not expected to occur.
<i>Xanthocephalus xanthocephalus</i>	yellow-headed blackbird	None / None / CDFW-SSC	Marsh & swamp Wetland; Nests in freshwater emergent wetlands with dense vegetation and deep water. Often along borders of lakes or ponds.	No marsh or wetland habitat is present within the project site. Species not expected to occur.
Invertebrates				
<i>Bombus crotchii</i>	Crotch's bumble bee	None / SCE / None	Open grassland and scrub communities supporting suitable floral resources. ; Coastal California east to the Sierra-Cascade crest and south into Mexico.	Although there are recent occurrence records for this species located approximately 2.5 miles east of the project site, the non-native grassland within the project site is not suitable habitat for this species. Species is not expected to occur.

Scientific Name	Common Name	Status Federal/State/Other	Habitats	Potential to Occur in BSA
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	FT / None / None	Valley & foothill grassland Vernal pool Wetland; Endemic to the grasslands of the Central Valley, Central Coast mountains, and South Coast mountains, in astatic rain-filled pools.	No vernal pools are present within the project site. Species not expected to occur.
<i>Danaus plexippus plexippus</i>	monarch - California overwintering population	FPT / None / USFS-S	Closed-cone coniferous forest; Winter roost sites extend along the coast from northern Mendocino to Baja California, Mexico.	The species has been recently documented within five miles of the project site, but no roosting habitat is present on site, since no milkweed was observed. Species is not expected to be roosting on site.
<i>Desmocerus californicus dimorphus</i>	valley elderberry longhorn beetle	FT / None / None	Riparian scrub; Occurs only in the Central Valley of California, in association with blue elderberry (<i>Sambucus mexicana</i>).	No riparian scrub habitat is present within the project site. Species not expected to occur.
<i>Gonidea angulata</i>	western ridged mussel	None / None / None	Aquatic; Primarily creeks and rivers and less often lakes. Originally in most of state, now extirpated from Central and Southern California.	No aquatic habitat is present within the project site. Species not expected to occur.
<i>Helminthoglypta callistoderma</i>	Kern shoulderband	None / None / None	Aquatic Sacramento/San Joaquin flowing waters; Known only from Tulare and Kern counties, along the lower Kern River Canyon.	No aquatic habitat is present within the project site. Species not expected to occur.
<i>Lytta moesta</i>	moestan blister beetle	None / None / None	Valley & foothill grassland; Central California.	The project site has grassland habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Lytta morrisoni</i>	Morrison's blister beetle	None / None / None	Valley & foothill grassland; Inhabitant of the southern Central Valley of California.	The project site has grassland habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Rhaphiomidas trochilus</i>	San Joaquin Valley giant flower-loving fly	None / None / None	Interior dunes; Historically known from, and endemic to, sandy soils of the San Joaquin Valley from Antioch Dunes in Contra Costa Co south to Sand Ridge in Kern Co. Associated with sandy soils such as riverine deposits and sand dunes with relatively sparse vegetation.	No dune habitat is present within the project site. Species not expected to occur.

Scientific Name	Common Name	Status Federal/State/Other	Habitats	Potential to Occur in BSA
Mammals				
<i>Ammospermophilus nelsoni</i>	Nelson's (=San Joaquin) antelope squirrel	None / ST / BLM-S	Chenopod scrub; Western San Joaquin Valley from 200-1200 ft elev. On dry, sparsely vegetated loam soils.	No scrub habitat is present within the project site. Species not expected to occur.
<i>Dipodomys ingens</i>	giant kangaroo rat	FE / SE / None	Chenopod scrub Valley & foothill grassland; Annual grasslands on the western side of the San Joaquin Valley, marginal habitat in alkali scrub.	The project site has grassland habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Dipodomys nitratooides brevinasus</i>	short-nosed kangaroo rat	None / None / BLM-S, CDFW-SSC	Chenopod scrub Valley & foothill grassland; Western side of San Joaquin Valley in grassland and desert shrub associations, especially Atriplex.	The project site has grassland habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Dipodomys nitratooides nitratooides</i>	Tipton kangaroo rat	FE / SE / None	Chenopod scrub; Saltbrush scrub and sink scrub communities in the Tulare Lake Basin of the southern San Joaquin Valley.	The project site has grassland habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Eumops perotis californicus</i>	western mastiff bat	None / None / BLM-S, CDFW-SSC	Chaparral Cismontane woodland Coastal scrub Valley & foothill grassland; Many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, chaparral, etc.	The project site has grassland habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Lasiurus cinereus</i>	hoary bat	None / None / None	Broadleaved upland forest Cismontane woodland Lower montane coniferous forest North coast coniferous forest; Prefers open habitats or habitat mosaics, with access to trees for cover and open areas or habitat edges for feeding.	No suitable habitat is present within the project site. Species not expected to occur.
<i>Onychomys torridus tularensis</i>	Tulare grasshopper mouse	None / None / BLM-S, CDFW-SSC	Chenopod scrub; Hot, arid valleys and scrub deserts in the southern San Joaquin Valley.	No scrub habitat is present within the project site. Species not expected to occur.

Scientific Name	Common Name	Status Federal/State/Other	Habitats	Potential to Occur in BSA
<i>Perognathus inornatus</i>	San Joaquin pocket mouse	None / None / BLM-S	Cismontane woodland Mojavean desert scrub Valley & foothill grassland; Grassland, oak savanna and arid scrubland in the southern Sacramento Valley, Salinas Valley, San Joaquin Valley and adjacent foothills, south to the Mojave Desert.	The project site has grassland habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Sorex ornatus relictus</i>	Buena Vista Lake ornate shrew	FE / None / CDFW-SSC	Marsh & swamp Riparian scrub; Marshlands and riparian areas in the Tulare Basin.	No scrub, marsh, or wetland habitat is present within the project site. Species not expected to occur.
<i>Taxidea taxus</i>	American badger	None / None / CDFW-SSC	Alkali marsh Alkali playa Alpine Alpine dwarf scrub Bog & fen Brackish marsh Broadleaved upland forest Chaparral Chenopod scrub Cismontane woodland Closed-cone coniferous forest Coastal bluff scrub Coastal dunes Coastal prairie; Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils.	No suitable habitat is present within the project site. Species not expected to occur.
<i>Vulpes macrotis mutica</i>	San Joaquin kit fox	FE / ST / None	Chenopod scrub Valley & foothill grassland; Annual grasslands or grassy open stages with scattered shrubby vegetation.	The project site has suitable grassland habitat and is within the species' range. Previous surveys have identified a den of this species on-site and this species is known from the area between the Kern River south to Ming Avenue. Species is expected to occur.
Reptiles				
<i>Actinemys marmorata</i>	northwestern pond turtle	FPT / None / BLM-S, CDFW-SSC, USFS-S		No aquatic habitat is present within the project site. Species not expected to occur.
<i>Anniella grinnelli</i>	Bakersfield legless lizard	None / None / CDFW-SSC	Southern San Joaquin Valley. Known from two disjunct areas: the east side of the Carrizo Plain and portions of the city limits of Bakersfield. Often found underneath leaf litter, rocks, and logs (CDFW 2017).; Southern San Joaquin Valley. Known from two disjunct areas: the east side of the Carrizo Plain and portions of the city limits of Bakersfield.	The project site has suitable habitat and is within the species' range. The species has been recently documented within five miles of the site. Species has a moderate potential to occur.

Scientific Name	Common Name	Status Federal/State/Other	Habitats	Potential to Occur in BSA
<i>Anniella</i> spp.	California legless lizard	None / None / CDFW-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; Contra Costa County south to San Diego, within a variety of open habitats. This element represents California records of <i>Anniella</i> not yet assigned to new species within the <i>Anniella pulchra</i> complex.	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Arizona elegans occidentalis</i>	California glossy snake	None / None / CDFW-SSC	Arid scrub, rocky washes, grasslands, chaparral, open areas with loose soil; Patchily distributed from the eastern portion of San Francisco Bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular ranges, south to Baja California.	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.
<i>Gambelia sila</i>	blunt-nosed leopard lizard	FE / SE / CDFW-FP	Chenopod scrub; Resident of sparsely vegetated alkali and desert scrub habitats, in areas of low topographic relief.	No scrub habitat is present within the project site. Species not expected to occur.
<i>Masticophis flagellum ruddocki</i>	San Joaquin coachwhip	None / None / CDFW-SSC	Chenopod scrub Valley & foothill grassland; Open, dry habitats with little or no tree cover. Found in valley grassland and saltbush scrub in the San Joaquin Valley.	The project site has suitable habitat and is within the species' range. The species has been recently documented within five miles of the site. Species has a moderate potential to occur.
<i>Phrynosoma blainvillii</i>	coast horned lizard	None / None / BLM-S, CDFW-SSC	Chaparral Cismontane woodland Coastal bluff scrub Coastal scrub Desert wash Pinon & juniper woodlands Riparian scrub Riparian woodland Valley & foothill grassland; Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes.	The project site has suitable habitat and is within the species' range. The species has not been recently documented within five miles of the site. Species not expected to occur.

<p>Status Legend:</p> <p>Federal FE: Federally listed as endangered FT: Federally listed as threatened FPE: Federally proposed for listing as endangered FPT: Federally proposed for listing as threatened FC: Federal candidate species (former Category 1 candidates) None: No federal listing FDL: Delisted</p>	<p>State SE: State listed as endangered ST: State listed as threatened SR: State rare SCE: State candidate for listing as endangered SCT: State candidate for listing as threatened None: No state listing SDL: State delisting</p>	<p>Other BCC: U.S. Fish and Wildlife Service Bird of Conservation Concern BLM-S: Bureau of Land Management Sensitive Species CDFW-FP: California Fully Protected Species CDFW-SSC: California Species of Special Concern USFS-S: U.S. Forest Service Sensitive Species</p>
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