





\*The database used to provide updates to the Online Inventory is under construction. View updates and changes made since May 2019 here.

### **Plant List**

29 matches found. Click on scientific name for details

#### **Search Criteria**

Found in Quads 3712178 and 3712168;

Q Modify Search Criteria **Export to Excel** Modify Columns Modify Sort Modify Sort Display Photos

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Scientific Name	Common Name	Family	Lifeform	Blooming Period	CA Rare Plant Rank	State Rank	Global Rank
Androsace elongata ssp. acuta	California androsace	Primulaceae	annual herb	Mar-Jun	4.2	S3S4	G5? T3T4
Anomobryum julaceum	slender silver moss	Bryaceae	moss		4.2	S2	G5?
Arctostaphylos auriculata	Mt. Diablo manzanita	Ericaceae	perennial evergreen shrub	Jan-Mar	1B.3	S2	G2
<u>Arctostaphylos manzanita</u> <u>ssp. laevigata</u>	Contra Costa manzanita	Ericaceae	perennial evergreen shrub	Jan- Mar(Apr)	1B.2	S2	G5T2
Calochortus pulchellus	Mt. Diablo fairy- lantern	Liliaceae	perennial bulbiferous herb	Apr-Jun	1B.2	S2	G2
Calochortus umbellatus	Oakland star-tulip	Liliaceae	perennial bulbiferous herb	Mar-May	4.2	S3?	G3?
Campanula exigua	chaparral harebell	Campanulaceae	annual herb	May-Jun	1B.2	S2	G2
Centromadia parryi ssp. congdonii	Congdon's tarplant	Asteraceae	annual herb	May- Oct(Nov)	1B.1	S1S2	G3T1T2
<u>Clarkia concinna ssp.</u> <u>automixa</u>	Santa Clara red ribbons	Onagraceae	annual herb	(Apr)May- Jun(Jul)	4.3	S3	G5?T3
<u>Delphinium californicum</u> <u>ssp. interius</u>	Hospital Canyon larkspur	Ranunculaceae	perennial herb	Apr-Jun	1B.2	S3	G3T3
Dirca occidentalis	western leatherwood	Thymelaeaceae	perennial deciduous shrub	Jan- Mar(Apr)	1B.2	S2	G2
Eriogonum truncatum	Mt. Diablo buckwheat	Polygonaceae	annual herb	Apr- Sep(Nov- Dec)	1B.1	S1	G1
Eryngium jepsonii	Jepson's coyote thistle	Apiaceae	perennial herb	Apr-Aug	1B.2	S2?	G2?
Extriplex joaquinana	San Joaquin spearscale	Chenopodiaceae	annual herb	Apr-Oct	1B.2	S2	G2
Fritillaria liliacea	fragrant fritillary	Liliaceae	perennial bulbiferous herb	Feb-Apr	1B.2	S2	G2
Helianthella castanea	Diablo	Asteraceae	perennial herb	Mar-Jun	1B.2	S2	G2
raranlanta anna ara/raault html?adu=t0	2 au a d=2712170.271216	20					1/2

	helianthella						
Hesperolinon breweri	Brewer's western flax	Linaceae	annual herb	May-Jul	1B.2	S2	G2
<u>Leptosiphon acicularis</u>	bristly leptosiphon	Polemoniaceae	annual herb	Apr-Jul	4.2	S4?	G4?
Malacothamnus hallii	Hall's bush- mallow	Malvaceae	perennial evergreen shrub	(Apr)May- Sep(Oct)	1B.2	S2	G2
Monolopia gracilens	woodland woolythreads	Asteraceae	annual herb	(Feb)Mar- Jul	1B.2	S3	G3
Navarretia nigelliformis ssp. radians	shining navarretia	Polemoniaceae	annual herb	(Mar)Apr-Jul	1B.2	S2	G4T2
Phacelia phacelioides	Mt. Diablo phacelia	Hydrophyllaceae	annual herb	Apr-May	1B.2	S2	G2
Polemonium carneum	Oregon polemonium	Polemoniaceae	perennial herb	Apr-Sep	2B.2	S2	G3G4
Sanicula saxatilis	rock sanicle	Apiaceae	perennial herb	Apr-May	1B.2	S2	G2
<u>Spergularia macrotheca var.</u> <u>longistyla</u>	long-styled sand- spurrey	Caryophyllaceae	perennial herb	Feb- May(Jun)	1B.2	S2	G5T2
Streptanthus hispidus	Mt. Diablo jewelflower	Brassicaceae	annual herb	Mar-Jun	1B.3	S2	G2
Trifolium hydrophilum	saline clover	Fabaceae	annual herb	Apr-Jun	1B.2	S2	G2
Triquetrella californica	coastal triquetrella	Pottiaceae	moss		1B.2	S2	G2
Viburnum ellipticum	oval-leaved viburnum	Adoxaceae	perennial deciduous shrub	May-Jun	2B.3	S3?	G4G5

### **Suggested Citation**

California Native Plant Society, Rare Plant Program. 2019. Inventory of Rare and Endangered Plants of California (online edition, v8-03 0.39). Website http://www.rareplants.cnps.org [accessed 25 October 2019].

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#### **Questions and Comments**

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### **Selected Elements by Scientific Name**

# California Department of Fish and Wildlife California Natural Diversity Database



Query Criteria: Quad<span style='color:Red'> IS </span>(Dublin (3712168)<span style='color:Red'> OR </span>Diablo (3712178))

Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Agelaius tricolor	ABPBXB0020	None	Threatened	G2G3	S1S2	SSC
tricolored blackbird						
Ambystoma californiense	AAAAA01180	Threatened	Threatened	G2G3	S2S3	WL
California tiger salamander						
Anomobryum julaceum	NBMUS80010	None	None	G5?	S2	4.2
slender silver moss						
Antrozous pallidus	AMACC10010	None	None	G5	S3	SSC
pallid bat						
Arctostaphylos auriculata	PDERI04040	None	None	G2	S2	1B.3
Mt. Diablo manzanita						
Arctostaphylos manzanita ssp. laevigata	PDERI04273	None	None	G5T2	S2	1B.2
Contra Costa manzanita						
Athene cunicularia	ABNSB10010	None	None	G4	S3	SSC
burrowing owl						
Bombus caliginosus	IIHYM24380	None	None	G4?	S1S2	
obscure bumble bee						
Bombus crotchii	IIHYM24480	None	Candidate	G3G4	S1S2	
Crotch bumble bee			Endangered			
Bombus occidentalis	IIHYM24250	None	Candidate	G2G3	S1	
western bumble bee			Endangered			
Buteo swainsoni	ABNKC19070	None	Threatened	G5	S3	
Swainson's hawk						
Calochortus pulchellus	PMLIL0D160	None	None	G2	S2	1B.2
Mt. Diablo fairy-lantern						
Campanula exigua	PDCAM020A0	None	None	G2	S2	1B.2
chaparral harebell						
Centromadia parryi ssp. congdonii	PDAST4R0P1	None	None	G3T1T2	S1S2	1B.1
Congdon's tarplant						
Corynorhinus townsendii	AMACC08010	None	None	G3G4	S2	SSC
Townsend's big-eared bat						
Delphinium californicum ssp. interius	PDRAN0B0A2	None	None	G3T3	S3	1B.2
Hospital Canyon larkspur						
Dipodomys heermanni berkeleyensis	AMAFD03061	None	None	G3G4T1	S1	
Berkeley kangaroo rat						
Efferia antiochi	IIDIP07010	None	None	G1G2	S1S2	
Antioch efferian robberfly						
Elanus leucurus	ABNKC06010	None	None	G5	S3S4	FP
white-tailed kite						
Emys marmorata	ARAAD02030	None	None	G3G4	S3	SSC
western pond turtle						



## **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
Eremophila alpestris actia	ABPAT02011	None	None	G5T4Q	S4	WL
California horned lark						
Eriogonum truncatum	PDPGN085Z0	None	None	G1	S1	1B.1
Mt. Diablo buckwheat						
Eryngium jepsonii	PDAPI0Z130	None	None	G2	S2	1B.2
Jepson's coyote-thistle						
Extriplex joaquinana	PDCHE041F3	None	None	G2	S2	1B.2
San Joaquin spearscale						
Falco mexicanus	ABNKD06090	None	None	G5	S4	WL
prairie falcon						
Fritillaria liliacea	PMLIL0V0C0	None	None	G2	S2	1B.2
fragrant fritillary						
Helianthella castanea	PDAST4M020	None	None	G2	S2	1B.2
Diablo helianthella						
Helminthoglypta nickliniana bridgesi	IMGASC2362	None	None	G3T1	S1S2	
Bridges' coast range shoulderband						
Hesperolinon breweri	PDLIN01030	None	None	G2	S2	1B.2
Brewer's western flax						
Linderiella occidentalis	ICBRA06010	None	None	G2G3	S2S3	
California linderiella						
Malacothamnus hallii	PDMAL0Q0F0	None	None	G2	S2	1B.2
Hall's bush-mallow						
Masticophis lateralis euryxanthus	ARADB21031	Threatened	Threatened	G4T2	S2	
Alameda whipsnake						
Monolopia gracilens	PDAST6G010	None	None	G3	S3	1B.2
woodland woollythreads						
Myotis yumanensis	AMACC01020	None	None	G5	S4	
Yuma myotis						
Navarretia nigelliformis ssp. radians	PDPLM0C0J2	None	None	G4T2	S2	1B.2
shining navarretia						
Phacelia phacelioides	PDHYD0C3Q0	None	None	G2	S2	1B.2
Mt. Diablo phacelia						
Polemonium carneum	PDPLM0E050	None	None	G3G4	S2	2B.2
Oregon polemonium						
Rana boylii	AAABH01050	None	Candidate Threatened	G3	S3	SSC
foothill yellow-legged frog						
Rana draytonii	AAABH01022	Threatened	None	G2G3	S2S3	SSC
California red-legged frog						
Streptanthus hispidus	PDBRA2G0M0	None	None	G2	S2	1B.3
Mt. Diablo jewelflower						
Stuckenia filiformis ssp. alpina	PMPOT03091	None	None	G5T5	S2S3	2B.2
slender-leaved pondweed						



## **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
Taxidea taxus	AMAJF04010	None	None	G5	S3	SSC
American badger						
Triquetrella californica	NBMUS7S010	None	None	G2	S2	1B.2
coastal triquetrella						
Viburnum ellipticum	PDCPR07080	None	None	G4G5	S3?	2B.3
oval-leaved viburnum						
Vulpes macrotis mutica	AMAJA03041	Endangered	Threatened	G4T2	S2	
San Joaquin kit fox						

**Record Count: 45** 



### **Special-status Plant Species Potentially Occurring within the Project**

Scientific Name		Status				Included in Impact
Common Name	USFWS <sup>1</sup>	CDFW <sup>2</sup>	CNPS <sup>3</sup>	Habitat Description <sup>4</sup>	Potential to Occur and Rationale	Analysis
Androsace elongata ssp. acuta California androsace	_	_	4.2	Chaparral, Cismontane woodland, Coastal scrub, Meadows and seeps, Pinyon and juniper woodland, Valley and foothill grassland.  Mar. – June blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of chaparral, woodland or grassland vegetation. No recorded occurrences are within 1 mile of the Project.	No
Anomobryum julaceum slender silver moss	_	_	4.2	Broadleafed upland forest, Lower montane coniferous forest, North Coast coniferous forest. Often found growing on damp rock and soil on outcrops, usually on roadcuts	Unlikely to Occur: no suitable habitat is present within the Project due to lack of forested habitat. No recorded occurrences are within 1 mile of the Project.	No
Arctostaphylos auriculata Mt. Diablo manzanita	_	_	1B.3	Chaparral (sandstone), Cismontane woodland. Jan. – Mar. blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of chaparral or woodlands. No recorded occurrences are within 1 mile of the Project.	No
Arctostaphylos manzanita ssp. laevigata Contra Costa manzanita	_	_	18.2	Chaparral (rocky). Jan. – April blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of chaparral vegetation. No recorded occurrences are within 1 mile of the Project.	No
Calochortus pulchellus Mt. Diablo fairy-lantern	_	_	18.2	Chaparral, Cismontane woodland, Riparian woodland, Valley and foothill grassland. April – June blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of chaparral, woodland and grassland vegetation. No recorded occurrences are within 1 mile of the Project.	No
Calochortus umbellatus Oakland star-tulip	_	_	4.2	Broadleafed upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland. Prefers serpentinite soils. Mar. – May blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of chaparral, grasslands, forests and serpentine soils. No recorded	No

Scientific Name		Status				Included in Impact
Common Name	USFWS <sup>1</sup>	CDFW <sup>2</sup>	CNPS <sup>3</sup>	Habitat Description⁴	Potential to Occur and Rationale	Analysis
					occurrences are within 1 mile of the Project.	
Campanula exigua chaparral harebell	_	_	1B.2	Chaparral (rocky), usually found where serpentinite soils occur.  May – June blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of chaparral vegetation and serpentine soils. No recorded occurrences are within 1 mile of the Project.	No
Centromadia parryi ssp. congdonii Congdon's tarplant	_	_	1B.1	Valley and foothill grassland with alkaline soils.  May – Nov. blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of grassland habitat. No recorded occurrences are within 1 mile of the Project.	No
Clarkia concinna ssp. automixa Santa Clara red ribbons	_	_	4.3	Chaparral, Cismontane woodland. April – July blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to chaparral or woodlands. No recorded occurrences are within 1 mile of the Project.	No
Delphinium californicum ssp. interius Hospital Canyon larkspur	_	_	18.2	Chaparral (openings), Cismontane woodland (mesic), Coastal scrub. April – June blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to chaparral or woodlands. No recorded occurrences are within 1 mile of the Project.	No
Dirca occidentalis western leatherwood	_	_	1B.2	Broadleafed upland forest, Closed-cone coniferous forest, Chaparral, Cismontane woodland, North Coast coniferous forest, Riparian forest, Riparian woodland.  Jan. – April blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of conifer or riparian forests. No recorded occurrences are within 1 mile of the Project.	No
Eriogonum truncatum Mt. Diablo buckwheat	_	_	1B.1	Chaparral, Coastal scrub, Valley and foothill grassland. Prefers sandy soils. April – Sept. blooming period.	<b>Unlikely to Occur:</b> no suitable habitat is present within the Project chaparral, grasslands and sandy soils. No recorded	No

Scientific Name		Status				Included in Impact
Common Name	USFWS <sup>1</sup>	CDFW <sup>2</sup>	CNPS <sup>3</sup>	Habitat Description⁴	Potential to Occur and Rationale	Analysis
					occurrences are within 1 mile of the Project.	
Eryngium jepsonii Jepson's coyote thistle	_	_	1B.2	Valley and foothill grassland, Vernal pools. Prefers clay soils. April – Aug. blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of grasslands, vernal pools and clay soils. No recorded occurrences are within 1 mile of the Project.	No
Extriplex joaquinana San Joaquin spearscale	_	_	1B.2	Chenopod scrub, Meadows and seeps, Playas, Valley and foothill grassland with alkaline soils.  April – Oct. blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of meadows, grasslands and alkaline soils. No recorded occurrences are within 1 mile of the Project.	No
Fritillaria liliacea fragrant fritillary	_	_	1B.2	Cismontane woodland, Coastal prairie, Coastal scrub, Valley and foothill grassland. Often occurs in serpentinite soils. Feb. – April blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of woodlands, grasslands and serpentinite soils. No recorded occurrences are within 1 mile of the Project.	No
Helianthella castanea Diablo helianthella	_	_	1B.2	Broadleafed upland forest, Chaparral, Cismontane woodland, Coastal scrub, Riparian woodland, Valley and foothill grassland. Usually found in rocky, axonal soils, often in partial shade. Mar. – June blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of chaparral, grasslands and woodlands and rock soils. No recorded occurrences are within 1 mile of the Project.	No
<i>Hesperolinon breweri</i> Brewer's western flax	_	_	18.2	Chaparral, Cismontane woodland, Valley and foothill grassland. Often occurs in serpentinite soils.  May – July blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of chaparral, grassland and woodlands. No recorded occurrences are within 1 mile of the Project.	No
Leptosiphon acicularis bristly leptosiphon	_	_	1B.2	Chaparral, Cismontane woodland, Coastal prairie, Valley and foothill grassland.  April – July blooming period.	<b>Unlikely to Occur:</b> no suitable habitat is present within the Project due to lack of chaparral, grasslands and woodlands.	No

FirstCarbon Solutions 3

Scientific Name		Status				Included in Impact
Common Name	USFWS <sup>1</sup>	CDFW <sup>2</sup>	CNPS <sup>3</sup>	Habitat Description <sup>4</sup>	Potential to Occur and Rationale	Analysis
					No recorded occurrences are within 1 mile of the Project.	
Malacothamnus hallii Hall's bushmallow	_	_	1B.2	Chaparral, Coastal scrub.  April – Sept. blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of chaparral vegetation. No recorded occurrences are within 1 mile of the Project.	No
Monolopia gracilens woodland woolythreads	_	_	1B.2	Broadleafed upland forest (openings), Chaparral (openings), Cismontane woodland, North Coast coniferous forest (openings), Valley and foothill grasslands with serpentinite soils. Feb. – July blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of forested or grassland habitat with serpentinite soils. No recorded occurrences are within 1 mile of the Project.	No
Navarretia nigelliformis ssp. radians shining navarretia	_	_	1B.2	Cismontane woodland, Valley and foothill grassland, Vernal pools.  Mar. – July blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of woodlands, grasslands or vernal pools. No recorded occurrences are within 1 mile of the Project.	No
Phacelia phacelioides Mt. Diablo phacelia	_	_	1B.2	Chaparral, Cismontane woodland. Prefers rocky soils. April – May blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of chaparral or woodlands. No recorded occurrences are within 1 mile of the Project.	No
Polemonium carneum Oregon polemonium	_	_	2B.2	Coastal prairie, Coastal scrub, Lower montane coniferous forest. April – Sept. blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of coastal scrub or forested habitats. No recorded occurrences are within 1 mile of the Project.	No
Sanicula saxatilis rock sanicle	_	CR	1B.2	Broadleafed upland forest, Chaparral, Valley and foothill grassland. Often found growing in rocky, scree, talus substrate. April – May blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of chaparral, grasslands and woodlands. No recorded occurrences are within 1 mile of the Project.	No

Scientific Name		Status				Included in Impact
Common Name	USFWS <sup>1</sup>	CDFW <sup>2</sup>	CNPS <sup>3</sup>	Habitat Description⁴	Potential to Occur and Rationale	Analysis
Spergularia macrotheca var. longistyla long-styled sandspurrey	_	_	1B.2	Meadows and seeps, Marshes and swamps with alkaline soils. Feb – May blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of meadows or marshes with alkaline soils. No recorded occurrences are within 1 mile of the Project.	No
<i>Streptanthus hispidus</i> Mt. Diablo jewelflower	_	_	1B.3	Chaparral, Valley and foothill grassland with rocky soils. Mar. – June blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of chaparral or grasslands. No recorded occurrences are within 1 mile of the Project.	No
Trifolium hydrophilum saline clover	_	_	1B.2	Marshes and swamps, Valley and foothill grassland (mesic, alkaline), Vernal pools.  April – June blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of marshes, grasslands or vernal pool habitats. No recorded occurrences are within 1 mile of the Project.	No
Triquetrella californica coastal triquetrella	_	_	1B.2	Coastal bluff scrub, Coastal scrub.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of coastal scrub vegetation. No recorded occurrences are within 1 mile of the Project.	No
Viburnum ellipticum oval-leaved viburnum	_	_	2B.3	Chaparral, Cismontane woodland, Lower montane coniferous forest. May – June blooming period.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of chaparral or montane forest habitats.  No recorded occurrences are within 1 mile of the Project.	No

<sup>1</sup> Federal Status: 2019 USFWS Listing	<sup>2</sup> State Status: 2019 CDFW Listing	<sup>3</sup> CNPS: 2019 CNPS Listing
Species Act	<ul> <li>SE = Listed as endangered under the California Endangered Species Act</li> <li>ST = Listed as threatened under the California Endangered Species Act</li> </ul>	Rank 1A Plants presumed Extinct in California. Rank 1B Plants Rare, Threatened, or Endangered in California and elsewhere. Rank 2 Plants Rare, Threatened, or Endangered in California, but more numerous elsewhere.

First Carbon Solutions 5

Scientific Name	Status					Included in Impact
Common Name	USFWS <sup>1</sup>	CDFW <sup>2</sup>	CNPS <sup>3</sup>	Habitat Description <sup>4</sup>	Potential to Occur and Rationale	Analysis
FC = Candidate for listing (threatened or endangered) under Endangered Species Act FD = Delisted in accordance with the Endangered			SSC = Species of Special Concern as identified by CDFW  CFP = Listed as fully protected under FGC  CR = Species identified as rare by CDFW  — = Not state listed		Rank 3 Plants about which we need more information—A Review List. Rank 4 Plants of limited distribution—A Watch List. Blooming period: Months in parentheses are uncommon.	

FirstCarbon Solutions 6

### **Special-status Wildlife Species Potentially Occurring within the Project**

Scientific Name	Status				Included in Impact
Common Name	USFWS <sup>1</sup>	CDFW <sup>2</sup>	Habitat Description <sup>3</sup>	Potential to Occur and Rationale	Analysis
Invertebrates					
Bombus crotchii Crotch bumble bee	_	SC	Inhabits grassland and scrub habitats. Occurs at relatively warm and dry sites, including the inner Coast Range of California and even the margins of the Mojave Desert.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of grassland or scrub vegetation. No recorded occurrences are within 1 mile of the Project.	No
Bombus occidentalis western bumble bee	_	SC	Found in a wide variety of habitats from southern Alaska and western Canada, and much of the western USA. Commonly found foraging in agricultural fields.	Unlikely to Occur: no suitable habitat is present within the Project due the lack of suitable plants for this species to forage. No recorded occurrences are within 1 mile of the Project.	No
Amphibians					
Ambystoma californiense California tiger salamander	FT	ST WL	Found in grassland, oak savanna, edges of mixed woodland and lower elevation coniferous forest.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of grassland, oak savanna or woodland vegetation. No recorded occurrences are within 1 mile of the Project.	No
Rana boylii foothill yellow-legged frog	_	SC SSC	Inhabits lakes, ponds, meadow streams, isolated pools, sunny riverbanks in the Sierra Nevada foothills and Coast Ranges.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of natural streams or ponds. No recorded occurrences are within 1 mile of the Project.	No
Rana draytonii California red-legged frog	FT	SSC	Found mainly near ponds in humid forests, woodlands, grasslands, coastal scrub, and streamsides with plant cover. Most common in lowlands or foothills. Frequently found in woods adjacent to streams. Breeds in water sources; lakes, ponds, reservoirs, slow streams, marshes, bogs, and swamps.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of streams, lakes or wetlands with sufficient plant cover. No recorded occurrences are within 1 mile of the Project.	No

FirstCarbon Solutions 7

Scientific Name	Status				Included in Impact
Common Name	USFWS <sup>1</sup>	CDFW <sup>2</sup>	Habitat Description <sup>3</sup>	Potential to Occur and Rationale	Analysis
Reptiles					
Emys marmorata Western pond turtle	_	SSC	This species is a thoroughly aquatic turtle found in ponds, marshes, rivers, streams, and irrigation ditches, usually with aquatic vegetation below 6000 feet elevation. Requires basking sites and suitable upland habitat (sandy banks or grassy open fields) up to 0.5 km from water for egg-laying.	Unlikely to Occur: no suitable habitat is present within the Project due lack of ponds, rivers or wetlands with aquatic vegetation. No recorded occurrences are within 1 mile of the Project.	No
Masticophis lateralis euryxanthus Alameda whipsnake	FT	ST	Open areas in canyons, rocky hillsides, chaparral scrublands, open woodlands, pond edges, stream courses.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of chaparral or woodland vegetation. No recorded occurrences are within 1 mile of the Project.	No
Birds					
Agelaius tricolor Tricolored blackbird	— MBTA	SSC	Highly colonial species, most numerous in Central Valley and its vicinity. Requires open water, protected nesting substrate, and foraging area with insect prey in the vicinity of the colony.	Unlikely to Occur: no suitable habitat is present within the Project to lack of wetlands and suitable foraging habitat. No recorded occurrences are within 1 mile of the Project.	No
Athene cunicularia Burrowing owl	— MBTA	SSC FGC	Found in open, dry annual or perennial grasslands, deserts, and scrublands characterized by lowgrowing vegetation. A subterranean nester, dependent upon burrowing mammals, most notably the California ground squirrel.	Potential to Occur: suitable habitat is present within a limited area the project site. Previous recorded occurrences have been documented near Iron Horse Regional Trail. Extensive ground squirrel burrows are present on BR 1A.	Yes
Buteo swainsoni Swainson's hawk	— MBTA	ST FGC	Breeds in grasslands with scattered trees, junipersage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees.  Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of suitable nesting trees and foraging habitat. No recorded occurrences are within 1 mile of the Project.	No

First Carbon Solutions 8

Scientific Name	Status				Included in Impact
Common Name	USFWS <sup>1</sup>	CDFW <sup>2</sup>	Habitat Description <sup>3</sup>	Potential to Occur and Rationale	Analysis
Elanus leucurus White-tailed kite	— МВТА	FP FGC	Found in rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to deciduous woodland. Requires open grasslands, meadows, or marshes for foraging close to the isolated, dense-topped trees for nesting and perching.	Unlikely to Occur: no suitable habitat is present within the Project due to no river bottomlands or marshes present in the vicinity to support this species. One recorded occurrence within 1 mile of the Project.	No
Eremophila alpestris actia California horned lark	— МВТА	_	Occurs in coastal regions, primarily from Sonoma County to San Diego County, as well as the main part of the San Joaquin Valley and eastward to the foothills. Found in short-grass prairie, "bald" hills, mountain meadows, open coastal plains, fallow grain fields, and alkali flats.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of open habitat with short vegetation. No recorded occurrences are within 1 mile of the Project.	No
Falco mexicanus prairie falcon	— MBTA	WL	Typically found in fairly dry open country, including Open hills, plains, prairies and desert. Also in open country above treeline in high mountains. In winter, often found in farmland and around lakes and reservoirs, and may regularly winter in some western cities. Avoids forested country, and usually scarce on the immediate coast.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of open habitat for this species to forage. No recorded occurrences are within 1 mile of the Project.	No
Mammals					
Antrozous pallidus Pallid bat	_	SSC	Found in deserts, grasslands, shrublands, woodlands, and forests. Most common in open, dry habitats with rocky areas for roosting. Roosts must protect bats from high temperatures. Species is very sensitive to disturbance of roosting sites.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of suitable roosting locations and high level of disturbance from continuous human activity. No recorded occurrences are within 1 mile of the Project.	No
Corynorhinus townsendii Townsend's big-eared bat	_	SSC	Feeds on nectar and pollen of night-blooming succulents. Roosts in relatively well-lit caves, and in and around buildings.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of suitable roosting locations and preferred plants for foraging. No recorded occurrences are within 1 mile of the Project.	No

First Carbon Solutions 9

Scientific Name	Status				Included in Impact
Common Name	USFWS <sup>1</sup>	CDFW <sup>2</sup>	Habitat Description <sup>3</sup>	Potential to Occur and Rationale	Analysis
<i>Myotis yumanensis</i> Yuma myotis	_	_	Found in open forests and woodlands with sources of water for foraging. Distribution is closely tied to bodies of water. Maternity colonies roost in caves, mines, buildings, or crevices.	Unlikely to Occur: no suitable habitat is present within the Project due to lack of forest or woodland habitat near a water source. No recorded occurrences are within 1 mile of the Project.	No
<i>Taxidea taxus</i> American badger	_	SSC	Found in drier open stages of most shrub, forest, and herbaceous habitats with friable soils. Requires sufficient food sources (rodents), friable soils, and open, uncultivated ground. Digs large burrows.	Unlikely to Occur: no suitable habitat is present within the Project to lack of suitable soils for burrowing and or open habitat for foraging. No recorded occurrences are within 1 mile of the Project.	No
<i>Vulpes macrotis mutica</i> San Joaquin kit fox	FE	ST	Historically inhabited grassland, scrubland, and wetland communities in the San Joaquin Valley and adjacent habitat. Today, the kit fox must often resort to living in and near agricultural and urban areas.	Unlikely to Occur: no suitable habitat is present within the Project due to the lack of suitable grassland or scrubland vegetation preferred by this species for foraging. No recorded occurrences are within 1 mile of the Project.	No

#### **Code Designations**

	<sup>1</sup> Federal Status: 2019 USFWS Listing	<sup>2</sup> State Status: 2019 CDFW Listing
ESU = E	Evolutionary Significant Unit is a distinctive population.	<b>SE</b> = Listed as endangered under the CESA.
FE = L	Listed as endangered under the FESA.	ST = Listed as threatened under the CESA.
FT = L	Listed as threatened under the FESA.	<b>SSC</b> = Species of Special Concern as identified by the CDFW.
<b>FC</b> = 0	Candidate for listing (threatened or endangered) under FESA.	<b>FP</b> = Listed as fully protected under FGC.
<b>FD</b> = 0	Delisted in accordance with the FESA.	<b>CFG</b> = FGC =protected by Fish and Game Code 3503.5
FPD = F	Federally Proposed to be Delisted.	<b>SC</b> = Candidate for listing (threatened or endangered) under CESA.
MBTA = p	protected by the Migratory Bird Treaty Act	WL = On CFDW watchlist.
<del>-</del> = N	Not federally listed	— = Not state listed
3 Hahitat	t description: Habitat description adapted from CNDDB (CDFW 2019a).	

**Habitat description**: Habitat description adapted from CNDDB (CDFW 2019a).