airfield Justice Campus Asset Protection a nitial Study/Mitigated Negative Declaratio	and Resiliency Project ion
	Appendix
	Biological Resources Supporting Information
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Solano County Department of General Services



Solano County Department of General Services Fairfield Justice Campus Asset Protection and Resiliency Project Initial Study/Mitigated Negative Declaration	
	B.1 - Special-status Species Tables



Table 1: Special-status Plant Species Evaluated

Scientific Name		Status			
Common Name	USFWS1	CDFW ²	CNPS ³	Habitat Description ⁴	Potential to Occur and Rationale ⁵
Astragalus tener var. tener alkali milk–vetch	_	_	1B.2	Playas, valley and foothill grasslands with adobe clay soils and vernal pools. Elevation: 1–60 m. Blooming period: March–June	None. The project site does not contain suitable grassland or vernal pool habitat to support this species.
Atriplex cordulata var. cordulata Heartscale	_	_	1B.2	Chenopod scrub, valley and foothill grassland, meadows and seeps. Alkaline flats and scalds in the Central Valley; sandy soils Elevation: 3–275 m. Blooming period:	None. The project site does not contain suitable grassland, vernal pool, or scrub habitat to support this species.
Atriplex depressa brittlescale	_	_	1B.2	Chenopod scrub, meadows and seeps, playas, valley and foothill grassland, vernal pools. Usually in alkali scalds or alkali clay in meadows or annual grassland; rarely associated with riparian, marshes, or vernal pools. Elevation: 1–325 m. Blooming period:	None. The project site does not contain suitable grassland, vernal pool, or scrub habitat to support this species.
Atriplex persistens Vernal pool smallscale	_	_	1B.2	Vernal pools Elevation: 3–115 m. Blooming period:	None. The project site does not contain vernal pools to support this species.
Carex lyngbyei Lyngbye's sedge	_	_	2B.2	Marshes and swamps— brackish or freshwater Elevation: 0— 200 m. Blooming period:	None. The project site does not contain, marsh or swamp habitat to support this species.
Centromadia parryi ssp. parryi Pappose tarplant	_	_	1B.1	Chaparral, coastal prairie, meadows and seeps, coastal salt marsh, valley and foothill grassland. Often on alkaline sites. Elevation: 0– 500 m. Blooming period:	None. The project site does not contain chaparral, prairie, marsh, or grassland habitat to support this species.
Chloropyron molle ssp. molle soft salty bird's—beak	FE	CR	1B.2	Marshes and swamps (coastal salt) Elevation: 0–3 m. Blooming period: June–November	None. The project site does not contain, marsh habitat to support this species.
Cicuta maculata var. bolanderi Bolander's water–hemlock	_	_	2B.1	Coastal, freshwater or brackish marshes and swamps. Elevation: 0–200 m. Blooming period: July–September	None. The project site does not contain marsh habitat to support this species.

Scientific Name		Status			
Common Name	USFWS1	CDFW ²	CNPS ³	Habitat Description ⁴	Potential to Occur and Rationale ⁵
Cirsium hydrophilum var. hydrophilum Suisun thistle	FE	_	18.1	Marshes and swamps. Elevation: 0–1 m. Blooming period:	None. The project site does not contain marsh habitat to support this species.
Downingia pusilla Dwarf downingia	_	_	2B.2	Valley and foothill grassland (mesic sites), vernal pools. Elevation: 1–490 m. Blooming period:	None. The project site does not contain grassland or vernal pool habitat to support this species.
Eriogonum truncatum Mt. Diablo buckwheat	_	_	1B.1	Chaparral, coastal scrub, valley and foothill grassland. Dry, exposed clay or sandy substrates. Elevation: 105–350 m. Blooming period:	None. The project site does not contain chaparral, scrub, or grassland habitat to support this species.
Eryngium jepsonii Jepson's coyote–thistle	_	_	1B.2	Valley and foothill grasslands and vernal pools Elevation: 3–300 m. Blooming period: April–August	None. The project site does not contain vernal pools to support this speices.
Extriplex joaquinana San Joaquin spearscale	_	_	1B.2	Chenopod scrub, meadows, seeps, playas, valley and foothill grasslands Elevation: 1–835 m. Blooming period: April–October	None. The project site does not contain grassland, scrub, or meadow habitats support this species
Isocoma arguta Carquinez goldenbush	_	_	18.1	Valley and foothill grassland (alkaline) Elevation: 1–20 m. Blooming period: August–December	None. The project site does not contain grassland habitat to support this species.
Lasthenia conjugens Contra Costa goldfields	FE	_	1B.1	Valley and foothill grassland, vernal pools, alkaline playas, cismontane woodland. Swales, low depressions, in open grassy areas. Elevation: 1–450 m. Blooming period:	None. The project site does not contain grassland, vernal pool, or woodland habitat to support this species.
Legenere limosa Legenere	_	_	18.1	Vernal pools Elevation: 1–1005 m. Blooming period:	None. The project site does not contain vernal pools to support this species.
Lilaeopsis masonii Mason's lilaeopsis	_	_	1B.1	Freshwater or brackish marshes and swamps and riparian scrub. Elevation: 0–10 m. Blooming period: April–November	None. The project site does not contain marsh habitat to support this species.

Scientific Name		Status				
Common Name	USFWS ¹	CDFW ²	CNPS ³	Habitat Description⁴	Potential to Occur and Rationale ⁵	
Microseris paludosa Marsh microseris	_	_	1B.2	Closed–cone coniferous forest, cismontane woodland, coastal scrub, valley and foothill grassland. Elevation: 3–610 m. Blooming period:	None. The project site does not contain woodland, scrub, or grassland habitat to support this species.	
Navarretia leucocephala ssp. bakeri Baker's navarretia	_	_	1B.1	Cismontane woodland, meadows and seeps, vernal pools, valley and foothill grassland, lower montane coniferous forest. Vernal pools and swales; adobe or alkaline soils. Elevation: 3–1680 m. Blooming period:	None. The project site does not contain suitable habitat to support this species.	
Plagiobothrys hystriculus Bearded popcornflower	_	_	18.1	Vernal pools, valley and foothill grassland. Elevation: 1– 275 m. Blooming period:	None. The project site does not contain vernal pools or grasslands to support this species.	
Puccinellia simplex California alkali grass	_	_	1B.2	Meadows and seeps, chenopod scrub, valley and foothill grasslands, vernal pools. Alkaline, vernally mesic sites. Elevation: 1–915 m. Blooming period:	None. The project site does not contain suitable habitat to support this species	
Spergularia macrotheca var. longistyla Long–styled sand–spurrey	_	_	1B.2	Marshes and swamps, meadows and seeps. Elevation: 0–220 m. Blooming period:	None. The project site does not contain marsh habitat to support this species.	
Stuckenia filiformis ssp. alpina Northern slender pondweed	_	_	2B.2	Marshes and swamps. Shallow, clear water of lakes and drainage channels. Elevation: 5–2325 m. Blooming period:	None. The project site does not contain marsh habitat to support this species.	
Symphyotrichum lentum Suisun Marsh aster	_	_	1B.2	Brackish or freshwater marshes and swamps Elevation: 0–3 m. Blooming period: May–November	None. The project site does not contain marsh habitat to support this species.	
Trifolium amoenum Two–fork clover	FE	_	18.1	Valley and foothill grassland, coastal bluff scrub. Sometimes on serpentine soil, open sunny sites, swales. Most recently cited on roadside and eroding cliff face. Elevation: 5–310 m. Blooming period:	None. The project site does not contain grassland or coastal bluff scrub habitat to support this species.	

Scientific Name		Status						
Common Name	USFWS ¹	CDFW ²	CNPS ³	Habitat Description ⁴		Potential to Occur and Rationale ⁵		
<i>Trifolium hydrophilum</i> Saline clover	_	_	1B.2	Marshes and swamps, valley and foothill grassland (mesic, alkaline) and vernal pools Elevation: 0–300 m. Blooming period: April–June		None. The project site does not contain marsh of grassland habitat to support this species.		
Federal Status: 2021 USF	NS Listing		² State Status: 2021 CDFW Listing			3 CNPS: 2021 CNPS Listing		
ESU = Evolutionary Significant Unipopulation. FE = Listed as endangered under FT = Listed as threatened under FC = Candidate for listing (threat under FESA. FD = Delisted in accordance with FPD = Federally Proposed to be DeMBTA = protected by the Migratory = Not federally listed	the FESA. the FESA. ened or endan the FESA. elisted.	gered)	SSC = Listed as SSC = Species CDFW. FP = Listed as		Rank 3	California.		

⁴ Habitat Description: Habitat description adapted from CNDDB¹ and CNPS online inventory² or other specified source*.

⁵ Potential to Occur and Rationale: Location of recorded species occurrences determined by geospatial information from BIOS 53 or other specified source*.

¹ California Department of Fish and Wildlife (CDFW). 2020. CNDDB RareFind 5 California Natural Diversity Database Query for Special-Status Species. Website: https://map.dfg.ca.gov/rarefind/view/RareFind.aspx. Accessed February 18, 2022.

² California Native Plant Society (CNPS). 2020. California Native Plant Society Rare and Endangered Plant Inventory. Website: http://www.rareplants.cnps.org/. Accessed February 18, 2022.

³ California Department of Fish and Wildlife (CDFW). 2020. Biogeographic Information and Observation System (BIOS 5). Website: https://map.dfg.ca.gov/bios/. Accessed February 18, 2022.

Table 2: Special-status Wildlife Species Evaluated

Scientific Name	Stat	us		
Common Name			Habitat Description ³	Potential to Occur and Rationale⁴
Amphibians				
Rana boylii foothill yellow–legged frog	_	SE SSC	Partly—shaded, shallow streams and riffles with a rocky substrate in forests, chaparral, and woodlands. Needs at least some cobble—sized substrate for egg—laying.	None. The project site does not contain suitable habitat to support this species. The project site does not contain a waterbody with a suitable substrate for breeding. Additionally, the project site lacks suitable upland refuge habitat due to the dense surrounding developments. The nearest recorded occurrence is located 3.72 miles northwest of the project site.
Ambystoma californiense pop. 1 California tiger salamander– central California DPS	FT	ST	Lives in vacant or mammal—occupied burrows throughout most of the year; in grassland, savanna, or open woodland habitats. Need underground refuges, especially ground squirrel burrows, and vernal pools or other seasonal water sources for breeding.	None. No suitable breeding habitat is present on—site for this species. The project site lacks vernal pools, seasonal wetlands, or seasonal water sources with standing water. Additionally, the project site does not contain suitable upland refuge habitat with underground burrows due previous development. The nearest recorded occurrence is located 4.3 miles southeast of the project site.
Birds				
Agelaius tricolor tricolored blackbird	— MBTA	ST SSC	Inhabits freshwater marsh, swamps and wetlands. Highly colonial species, most numerous in Central Valley and vicinity. Breeds in large freshwater marshes, dense stands of hydrophytic vegetation (cattails, bulrushes, etc.). Requires open water, protected nesting substrate, and foraging area with insect prey within a few km. of the colony.	None. The project site does not contain suitable wetland habitat with dense stands of hydrophytic vegetation to support this species. The nearest recorded occurrence is located 3.4 miles northeast of the project site
Athene cunicularia burrowing owl	— MBTA	_ SSC	Found in open, dry annual or perennial grasslands, deserts, and scrublands characterized by low–growing vegetation. A subterranean nester, dependent upon burrowing mammals, most notably the California ground squirrel (Otospermophilus beecheyi).	None. The project site lacks grassland habitat, or areas of flat open ground preferred by this species. No owls, signs of owls, or ground squirrel burrows were observed during the field survey. The nearest recorded occurrence of this species is located approximately .75 miles south of the site, across Highway 12.
Buteo regalis Ferruginous hawk	— MBTA	_	Open grasslands, sagebrush flats, desert scrub, low foothills and fringes of pinyon and juniper habitats. Preferred nesting habitat consists of communities with isolated trees, woodland edges, or cliffs.	None. The project site does contain open grassland, pinyon, or juniper habitats. The nearest recorded occurrence of this species is located approximately 4.2 miles southeast of the site.

Scientific Name	Stat	us		
Common Name	USFWS1	CDFW ²	Habitat Description ³	Potential to Occur and Rationale ⁴
Buteo swainsoni Swainson's hawk	— MBTA	ST	Breeds in grasslands with scattered trees, juniper–sage 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.	None. The project site does contain grasslands, riparian areas, or agricultural spaces for nesting. Additionally, the project site lacks suitable foraging habitat due to previous developments. The nearest recorded occurrence of this species is located approximately 3.2 miles northwest of the site.
Circus hudsonius northern harrier	— MBTA	_ SSC	Coastal salt marsh and freshwater marsh; nests and forages in grasslands; nests on ground in shrubby vegetation, usually at marsh edge.	None. The project site does not contain marsh or grassland habitat to support this species. The nearest recorded occurrence of this species is located approximately 4 miles south of the project site associated with the Suisun marsh.
Coturnicops noveboracensis Yellow rail	— MBTA	_ SSC	Wet or shallow marshes populated with dense sedges and grasses.	None. The project site does not contain marsh habitat with dense vegetation to support this species. The nearest recorded occurrence of this species is located approximately 4.5 miles south of the project site associated with the Suisun marsh.
Elanus leucurus white-tailed kite	— MBTA	— FP	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.	Low. The project site does contain large trees suitable for nesting. However, it does not contain this species preferred foraging habitat of open meadows, grasslands or marshes. The nearest recorded occurrence of this species is located approximately 4.5 miles to the west of the project site associatd with Suisun Creek.
Falco peregrinus anatum American peregrine falcon	FD MBTA	SD FP FGC	Found near wetlands, lakes, rivers, or other water; on cliffs, banks, dunes, mounds; also, human–made structures. Nest consists of a scrape or a depression or ledge in an open site.	Low. The project site does contain human made structures that may provide marginal nesting habitat. However, the project site does not contain this species preferred foraging habitat. This species has two recorded occurrences within 5 miles of the site.
Geothlypis trichas sinuosa saltmarsh common yellowthroat	— MBTA	_ SSC	Resident of the San Francisco Bay region, in fresh and salt water marshes. Requires thick continuous cover down to water surface for foraging; tall grasses, tule patches, willows for nesting.	None. The project site does not contain dense emergent vegetation to support this species. The nearest recorded occurrence of this species is located approximately 1 mile south of the site associated with Suisun marsh.
Laterallus jamaicensis coturniculus California black rail	— MBTA	ST FP	Inhabits freshwater marshes, wet meadows, and shallow margins of saltwater marshes bordering larger bays. Requires water depth of about 1 inch that does not fluctuate during the year, and dense vegetation for nesting.	None. The project site does not contain fresh or saltwater marsh habitat to support this species. The nearest recorded occurrence of this species is located approximately 1.5 miles south of the site associated with Suisun marsh.
Melospiza melodia maxillaris Suisun song sparrow	— MBTA	_ SSC	Resident of brackish—water marshes surrounding Suisun Bay. Inhabits cattails, tules and other sedges, and <i>Salicornia</i> ; also known to frequent tangles bordering sloughs.	None. The project site does not contain tidal marsh with associated emergent vegetation to support this species. The nearest recorded occurrence of this species is located approximately 1.5 miles south of the site associated with Suisun marsh.

Scientific Name	Stat	us		
Common Name	USFWS ¹	CDFW ²	Habitat Description ³	Potential to Occur and Rationale ⁴
Rallus obsoletus obsoletus California Ridgway's rail	FE MBTA	SE FP	Found in saltwater marshes traversed by tidal sloughs in the vicinity of San Francisco Bay; associated with abundant growths of pickleweed; feeds on mollusks obtained from mud bottomed sloughs	None. The project site does not contain tidal marsh habitat containing pickleweed to support this species. The nearest recorded occurrence of this species is located approximately 1.75 miles south of the site associated with Suisun marsh.
Fish				
Pogonichthys macrolepidotus Sacramento splittail	_	_ SSC	Endemic to the lakes and rivers of the Central Valley, but now confined to the Delta, Suisun Bay and associated marshes. Inhabits slow moving river sections, dead end sloughs. Requires flooded vegetation for spawning and foraging for young.	None. The project site does not contain suitable aquatic habitat to support this species. The nearest recorded occurrence of this species is located 3 miles to the south of the site associated with Suisun marsh.
Spirinchus thaleichthys longfin smelt	FC	ST	Euryhaline, nektonic & anadromous. Found in open waters of estuaries, mostly in middle or bottom of water column. Prefer salinities of 15–30 ppt, but can be found in completely freshwater to almost pure seawater.	None. The project site does not contain suitable aquatic habitat to support this species. The nearest recorded occurrence of this species is located 1.5 miles to the south of the site associated with Suisun marsh.
Invertebrates				
Danaus plexippus (pop. 1) Monarch—California overwintering population	FC	_	Roosts located in wind protected Eucalyptus, Monterey pine, and Cypress tree groves with nectar and water sources nearby.	None: The project site does not contain suitable tree groves to support this species.
Desmocerus californicus dimorphus Valley elderberry longhorn beetle	FT	_	Occurs only in the Central Valley of California, in association with blue elderberry (<i>Sambucus mexicana</i>). Prefers to lay eggs in elderberries 2–8 inches in diameter; some preference shown for "stressed" elderberries, usually in riparian scrub.	None: The project site does not contain suitable blue elderberry trees with associated riparian habitat to support this species.
Branchinecta conservation Conservancy fair shrimp	FE	_	Endemic to the grasslands of the northern two–thirds of the Central Valley; found in large, turbid pools. Inhabit astatic pools located in swales formed by old, braided alluvium; filled by winter/spring rains, last until June.	None: The project site does not contain suitable habitat to support this species.
Branchinecta lynchi vernal pool fairy shrimp	FT	_	Endemic to the grasslands of the Central Valley, Central Coast mountains, and South Coast mountains, in astatic rain–filled pools. Inhabit small, clear–water sandstone–depression pools and grassed swale, earth slump, or basalt–flow depression pools.	None: The project site does not contain suitable habitat to support this species.

Scientific Name	Stat	tus		
Common Name			Habitat Description ³	Potential to Occur and Rationale ⁴
Lepidurus packardi vernal pool tadpole shrimp	FE	_	Inhabits vernal pools and swales in the Sacramento Valley containing clear to highly turbid water. Pools commonly found in grass-bottomed swales of unplowed grasslands. Some pools are mud-bottomed and highly turbid.	None: The project site does not contain suitable habitat to support this species.
Mammals				
Corynorhinus townsendii Townsend's big–eared bat	_	_ SSC	Roosts in caves, cliffs, and rock ledges. Also found hanging from walls and ceilings in man–made structures. Roosting sites limiting. Extremely sensitive to human disturbance.	Low: The project site contains marginal roosting habitat in the form of trees and man–made structures.
Reithrodontomys raviventris salt–marsh harvest mouse	FE	SE FP	Only in the saline emergent wetlands of San Francisco Bay and its tributaries. Pickleweed is primary habitat, but may occur in other marsh vegetation types and in adjacent upland areas. Does not burrow; builds loosely organized nests. Requires higher areas for flood escape.	None. The project site does not contain pickleweed marsh habitat to support this species. The nearest recorded occurrence of this species is located 1 mile to the south of the site associated with Suisun marsh.
Sorex ornatus sinuosus Suisun shrew	-	_ SSC	Inhabits tidal marshes of the northern shores of San Pablo and Suisun bays. Require dense low—lying cover and driftweed and other litter above the mean hightide line for nesting and foraging.	None. The project site does not contain tidal marsh habitat to support this species. The nearest recorded occurrence of this species is located 1 mile to the south of the site associated with Suisun marsh.
Reptiles				
Emys marmorata western pond turtle	_	_ SSC	Found in ponds, lakes, rivers, streams, creeks, marshes, and irrigation ditches, with abundant vegetation, and either rocky or muddy bottoms, in woodland, forest, and grassland. In streams, prefers pools to shallower areas. Logs, rocks, cattail mats, and exposed banks are required for basking.	Low: The project site lacks suitable upland habitat for reproduction. The adjacent aquatic feature lacks suitable basking sites, and is generally separated from suitable habitat by culverts, dense residential developments, and high—use traffic corridors. The nearest recorded occurrence of this species is located 4.5 miles to the south of the site associated with Chadbourne slough.

Scientific Name	Stat	us				
Common Name	USFWS ¹	CDFW ²	Habitat Description ³			Potential to Occur and Rationale ⁴
	¹ Federal S	tatus: 2020	USFWS Listing	2	State	Status: 2021 CDFW Listing
ESU = Evolutionary Significant Unit is a distinctive population. FE = Listed as endangered under the FESA. FT = Listed as threatened under the FESA. FC = Candidate for listing (threatened or endangered) under FESA. FD = Delisted in accordance with the FESA. FPD = Federally Proposed to be Delisted. MBTA = protected by the Migratory Bird Treaty Act — Not federally listed						Listed as endangered under the CESA. Listed as threatened under the CESA. Species of Special Concern as identified by the CDFW. Listed as fully protected under FGC. FGC =protected by FGC 3503.5 Candidate endangered under the CESA. Not state listed

³ Habitat Description: Habitat description adapted from CNDDB or other specified source*

⁴ Potential to Occur and Rationale: Location of recorded species occurrences determined by geospatial information from BIOS 5 or other specified source*



Solano County Department of General Services Fairfield Justice Campus Asset Protection and Resiliency Project Initial Study/Mitigated Negative Declaration	
	B.2 - CNDDB Inventory Search Results





California Department of Fish and Wildlife California Natural Diversity Database



Query Criteria:

Quad IS (Fairfield South (3812221) OR Fairfield North (3812231) OR Mt. George (3812232) OR Cordelia (3812222) OR Elmira (3812138) OR Honker Bay (3812118) OR Une Hill (3812211) OR Denverton (3812128))

Species	Element Code	Endoral Status	State Status	Global Barri	State Bank	Rare Plant Rank/CDFW SSC or FP
Accipiter cooperii	ABNKC12040	None Federal Status	State Status None	Global Rank G5	State Rank S4	WL
Cooper's hawk	7.BIVIC 12040	None	140110	00	04	***
Agelaius tricolor	ABPBXB0020	None	Threatened	G1G2	S1S2	SSC
tricolored blackbird						
Agrostis hendersonii	PMPOA040K0	None	None	G2Q	S2	3.2
Henderson's bent grass						
Ambystoma californiense pop. 1 California tiger salamander - central California DPS	AAAAA01181	Threatened	Threatened	G2G3	S3	WL
Ammodramus savannarum	ABPBXA0020	None	None	G5	S3	SSC
grasshopper sparrow						
Aquila chrysaetos	ABNKC22010	None	None	G5	S3	FP
golden eagle						
Ardea herodias	ABNGA04010	None	None	G5	S4	
great blue heron						
Asio flammeus	ABNSB13040	None	None	G5	S3	SSC
short-eared owl						
Astragalus tener var. tener alkali milk-vetch	PDFAB0F8R1	None	None	G2T1	S1	1B.2
Athene cunicularia	ABNSB10010	None	None	G4	S3	SSC
burrowing owl						
Atriplex cordulata var. cordulata	PDCHE040B0	None	None	G3T2	S2	1B.2
heartscale						
Atriplex depressa	PDCHE042L0	None	None	G2	S2	1B.2
brittlescale						
Atriplex persistens	PDCHE042P0	None	None	G2	S2	1B.2
vernal pool smallscale						
Balsamorhiza macrolepis	PDAST11061	None	None	G2	S2	1B.2
big-scale balsamroot						
Blepharizonia plumosa	PDAST1C011	None	None	G1G2	S1S2	1B.1
big tarplant				2.0	0.100	
Bombus caliginosus obscure bumble bee	IIHYM24380	None	None	G4?	S1S2	
	IIHYM24480	None	None	C2C4	0400	
Bombus crotchii Crotch bumble bee	III I I IVIZ446U	None	None	G3G4	S1S2	
Bombus occidentalis	IIHYM24250	None	None	G2G3	S1	
western bumble bee	11 11127200	. 10110	140110	3200	51	
Branchinecta conservatio	ICBRA03010	Endangered	None	G2	S2	
Conservancy fairy shrimp						





Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Branchinecta lynchi	ICBRA03030	Threatened	None	G3	S3	
vernal pool fairy shrimp						
Branchinecta mesovallensis	ICBRA03150	None	None	G2	S2S3	
midvalley fairy shrimp						
Brodiaea leptandra	PMLIL0C022	None	None	G3?	S3?	1B.2
narrow-anthered brodiaea						
Buteo regalis	ABNKC19120	None	None	G4	S3S4	WL
ferruginous hawk						
Buteo swainsoni	ABNKC19070	None	Threatened	G5	S3	
Swainson's hawk						
Calochortus pulchellus	PMLIL0D160	None	None	G2	S2	1B.2
Mt. Diablo fairy-lantern						
Carex lyngbyei	PMCYP037Y0	None	None	G5	S3	2B.2
Lyngbye's sedge						
Castilleja affinis var. neglecta	PDSCR0D013	Endangered	Threatened	G4G5T1T2	S1S2	1B.2
Tiburon paintbrush						
Ceanothus purpureus	PDRHA04160	None	None	G2	S2	1B.2
holly-leaved ceanothus						
Centromadia parryi ssp. congdonii	PDAST4R0P1	None	None	G3T1T2	S1S2	1B.1
Congdon's tarplant						
Centromadia parryi ssp. parryi	PDAST4R0P2	None	None	G3T2	S2	1B.2
pappose tarplant						
Chloropyron molle ssp. hispidum hispid salty bird's-beak	PDSCR0J0D1	None	None	G2T1	S1	1B.1
Chloropyron molle ssp. molle	PDSCR0J0D2	Endangered	Rare	G2T1	S1	1B.2
soft salty bird's-beak						
Cicuta maculata var. bolanderi	PDAPI0M051	None	None	G5T4T5	S2?	2B.1
Bolander's water-hemlock						
Circus hudsonius	ABNKC11011	None	None	G5	S3	SSC
northern harrier						
Cirsium hydrophilum var. hydrophilum Suisun thistle	PDAST2E1G1	Endangered	None	G2T1	S1	1B.1
Coastal Brackish Marsh Coastal Brackish Marsh	CTT52200CA	None	None	G2	S2.1	
Corynorhinus townsendii Townsend's big-eared bat	AMACC08010	None	None	G4	S2	SSC
Coturnicops noveboracensis	ADNIME 04040	Nama	Nama	04	0400	000
yellow rail	ABNME01010	None	None	G4	S1S2	SSC
Danaus plexippus pop. 1	IILEPP2012	Candidate	None	G4T2T3	S2S3	
monarch - California overwintering population						
Delphinium recurvatum	PDRAN0B1J0	None	None	G2?	S2?	1B.2
recurved larkspur						





			.		.	Rare Plant Rank/CDFW
Species	Element Code	Federal Status	State Status	Global Rank	State Rank	SSC or FP
Desmocerus californicus dimorphus	IICOL48011	Threatened	None	G3T2	S3	
valley elderberry longhorn beetle	DDT: 11/000/10			0.0		15.0
Dirca occidentalis	PDTHY03010	None	None	G2	S2	1B.2
western leatherwood						
Downingia pusilla	PDCAM060C0	None	None	GU	S2	2B.2
dwarf downingia						
Dumontia oregonensis	ICBRA23010	None	None	G1G3	S1	
hairy water flea				0-	•	
Egretta thula	ABNGA06030	None	None	G5	S4	
snowy egret						
Elanus leucurus	ABNKC06010	None	None	G5	S3S4	FP
white-tailed kite				_		
Elaphrus viridis	IICOL36010	Threatened	None	G1	S1	
Delta green ground beetle						
Emys marmorata	ARAAD02030	None	None	G3G4	S3	SSC
western pond turtle						
Erigeron greenei	PDAST3M5G0	None	None	G3	S3	1B.2
Greene's narrow-leaved daisy						
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						
Erysimum capitatum var. angustatum	PDBRA16052	Endangered	Endangered	G5T1	S1	1B.1
Contra Costa wallflower						
Extriplex joaquinana	PDCHE041F3	None	None	G2	S2	1B.2
San Joaquin spearscale						
Falco peregrinus anatum	ABNKD06071	Delisted	Delisted	G4T4	S3S4	FP
American peregrine falcon						
Fritillaria pluriflora	PMLIL0V0F0	None	None	G2G3	S2S3	1B.2
adobe-lily						
Geothlypis trichas sinuosa	ABPBX1201A	None	None	G5T3	S3	SSC
saltmarsh common yellowthroat						
Helianthella castanea	PDAST4M020	None	None	G2	S2	1B.2
Diablo helianthella						
Helminthoglypta nickliniana bridgesi Bridges' coast range shoulderband	IMGASC2362	None	None	G3T1	S1S2	
Hesperolinon breweri	PDLIN01030	None	None	G2	S2	1B.2
Brewer's western flax						
Hydrochara rickseckeri	IICOL5V010	None	None	G2?	S2?	
Ricksecker's water scavenger beetle				-		
Isocoma arguta	PDAST57050	None	None	G1	S1	1B.1
Carquinez goldenbush	. 2		1.00		J .	





Species	Element Code	Federal Status	State Status	Global Rank	State Rank	Rare Plant Rank/CDFW SSC or FP
Lasiurus blossevillii	AMACC05060	None	None	G4	S3	SSC
western red bat						
Lasiurus cinereus	AMACC05030	None	None	G3G4	S4	
hoary bat						
Lasthenia conjugens	PDAST5L040	Endangered	None	G1	S1	1B.1
Contra Costa goldfields						
Lasthenia glabrata ssp. coulteri	PDAST5L0A1	None	None	G4T2	S2	1B.1
Coulter's goldfields						
Laterallus jamaicensis coturniculus	ABNME03041	None	Threatened	G3G4T1	S1	FP
California black rail						
Lathyrus jepsonii var. jepsonii	PDFAB250D2	None	None	G5T2	S2	1B.2
Delta tule pea						
Legenere limosa	PDCAM0C010	None	None	G2	S2	1B.1
legenere						
Lepidurus packardi	ICBRA10010	Endangered	None	G4	S3S4	
vernal pool tadpole shrimp						
Leptosiphon jepsonii	PDPLM09140	None	None	G2G3	S2S3	1B.2
Jepson's leptosiphon						
Lilaeopsis masonii	PDAPI19030	None	Rare	G2	S2	1B.1
Mason's lilaeopsis						
Limosella australis	PDSCR10030	None	None	G4G5	S2	2B.1
Delta mudwort						
Linderiella occidentalis	ICBRA06010	None	None	G2G3	S2S3	
California linderiella						
Masticophis lateralis euryxanthus	ARADB21031	Threatened	Threatened	G4T2	S2	
Alameda whipsnake						
Melospiza melodia maxillaris	ABPBXA301K	None	None	G5T3	S3	SSC
Suisun song sparrow						
Melospiza melodia samuelis	ABPBXA301W	None	None	G5T2	S2	SSC
San Pablo song sparrow						
Microseris paludosa	PDAST6E0D0	None	None	G2	S2	1B.2
marsh microseris						
Navarretia leucocephala ssp. bakeri	PDPLM0C0E1	None	None	G4T2	S2	1B.1
Baker's navarretia				_	_	
Northern Claypan Vernal Pool	CTT44120CA	None	None	G1	S1.1	
Northern Claypan Vernal Pool						
Northern Coastal Salt Marsh Northern Coastal Salt Marsh	CTT52110CA	None	None	G3	S3.2	
	ADNO 444040	Nama	Nama	0.5	0.4	
Nycticorax nycticorax	ABNGA11010	None	None	G5	S4	
black-crowned night heron	ANA O DO 4000	Nana	None	C.F.	Co	000
Nyctinomops macrotis	AMACD04020	None	None	G5	S3	SSC
big free-tailed bat						





Smeeting	Flores of Co. 4-	Fodoval Status	State Status	Clabal Baul	Ctata Danie	Rare Plant Rank/CDFW
Species	Element Code	Federal Status	State Status	Global Rank	State Rank	SSC or FP
Oenothera deltoides ssp. howellii Antioch Dunes evening-primrose	PDONA0C0B4	Endangered	Endangered	G5T1	S1	1B.1
• .	AFCHA0209K	Throatonad	None	G5T2Q	S2	
Oncorhynchus mykiss irideus pop. 11 steelhead - Central Valley DPS	AFCHA0209K	Threatened	None	G512Q	32	
Orcuttia inaequalis	PMPOA4G060	Threatened	Endangered	G1	S1	1B.1
San Joaquin Valley Orcutt grass	FINFOA4G000	rineatened	Lildarigered	Gi	31	10.1
Pandion haliaetus	ABNKC01010	None	None	G5	S4	WL
osprey	ABINICOTOTO	None	None	00	04	***
Perognathus inornatus	AMAFD01060	None	None	G2G3	S2S3	
San Joaquin pocket mouse	AWAI 201000	None	None	0203	0200	
Plagiobothrys hystriculus	PDBOR0V0H0	None	None	G2	S2	1B.1
bearded popcornflower	1 BBONOVOITO	None	140110	02	02	15.1
Pogonichthys macrolepidotus	AFCJB34020	None	None	GNR	S 3	SSC
Sacramento splittail	711 00004020	None	140110	ONIX	00	000
Polygonum marinense	PDPGN0L1C0	None	None	G2Q	S2	3.1
Marin knotweed	. 2. 0.102.00			0_4	<u></u>	
Puccinellia simplex	PMPOA53110	None	None	G3	S2	1B.2
California alkali grass						
Rallus obsoletus	ABNME05011	Endangered	Endangered	G3T1	S1	FP
California Ridgway's rail		3	3			
Rana boylii	AAABH01050	None	Endangered	G3	S3	SSC
foothill yellow-legged frog			-			
Rana draytonii	AAABH01022	Threatened	None	G2G3	S2S3	SSC
California red-legged frog						
Reithrodontomys raviventris	AMAFF02040	Endangered	Endangered	G1G2	S1S2	FP
salt-marsh harvest mouse						
Rhynchospora californica	PMCYP0N060	None	None	G1	S1	1B.1
California beaked-rush						
Saldula usingeri	IIHEM07010	None	None	G1	S1	
Wilbur Springs shorebug						
Senecio aphanactis	PDAST8H060	None	None	G3	S2	2B.2
chaparral ragwort						
Serpentine Bunchgrass	CTT42130CA	None	None	G2	S2.2	
Serpentine Bunchgrass						
Sidalcea hickmanii ssp. napensis	PDMAL110A6	None	None	G3T1	S1	1B.1
Napa checkerbloom						
Sidalcea keckii	PDMAL110D0	Endangered	None	G2	S2	1B.1
Keck's checkerbloom						
Sorex ornatus sinuosus	AMABA01103	None	None	G5T1T2Q	S1S2	SSC
Suisun shrew						
Spergularia macrotheca var. longistyla	PDCAR0W062	None	None	G5T2	S2	1B.2
long-styled sand-spurrey						



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
Speyeria callippe callippe	IILEPJ6091	Endangered	None	G5T1	S1	
callippe silverspot butterfly						
Spirinchus thaleichthys	AFCHB03010	Candidate	Threatened	G5	S1	
longfin smelt						
Sternula antillarum browni	ABNNM08103	Endangered	Endangered	G4T2T3Q	S2	FP
California least tern						
Stuckenia filiformis ssp. alpina	PMPOT03091	None	None	G5T5	S2S3	2B.2
northern slender pondweed						
Symphyotrichum lentum	PDASTE8470	None	None	G2	S2	1B.2
Suisun Marsh aster						
Taxidea taxus	AMAJF04010	None	None	G5	S3	SSC
American badger						
Thamnophis gigas	ARADB36150	Threatened	Threatened	G2	S2	
giant gartersnake						
Trichostema ruygtii	PDLAM220H0	None	None	G1G2	S1S2	1B.2
Napa bluecurls						
Trifolium amoenum	PDFAB40040	Endangered	None	G1	S1	1B.1
two-fork clover						
Trifolium hydrophilum	PDFAB400R5	None	None	G2	S2	1B.2
saline clover						
Valley Needlegrass Grassland	CTT42110CA	None	None	G3	S3.1	
Valley Needlegrass Grassland						
Viburnum ellipticum	PDCPR07080	None	None	G4G5	S3?	2B.3
oval-leaved viburnum						

Record Count: 115

Solano County Department of General Services Fairfield Justice Campus Asset Protection and Resilien Initial Study/Mitigated Negative Declaration	cy Project
	B.3 - CNPS Rare Plant Inventory Search Results



CNPS Rare Plant Inventory



Search Results

5 matches found. Click on scientific name for details

Search Criteria: CRPR is one of [1A:1B:2A:2B] Fed List is one of [FE:FT:FC] and State List is one of [CE:CT:CR:CE:CT], 9-Quad include [3812232:3812222:3812231:3812138:3812118:3812211:3812221:3812212:3812128]

▲ SCIENTIFIC NAME	COMMON NAME	FAMILY	LIFEFORM	BLOOMING PERIOD	FED LIST	STATE LIST	GLOBAL RANK	STATE RANK	CA RARE PLANT RANK	РНОТО
<u>Castilleja affinis</u>	Tiburon	Orobanchaceae	perennial herb	Apr-Jun	FE	СТ	G4G5T1T2	S1S2	1B.2	
<u>var. neglecta</u>	paintbrush		(hemiparasitic)							No Photo
										Available
<u>Chloropyron</u>	soft salty	Orobanchaceae	annual herb	Jun-Nov	FE	CR	G2T1	S1	1B.2	
molle ssp. molle	bird's-beak		(hemiparasitic)							No Photo
										Available
<u>Erysimum</u>	Contra Costa	Brassicaceae	perennial herb	Mar-Jul	FE	CE	G5T1	S1	1B.1	
<u>capitatum var.</u>	wallflower									No Photo
<u>angustatum</u>										Available
<u>Oenothera</u>	Antioch Dunes	Onagraceae	perennial herb	Mar-Sep	FE	CE	G5T1	S1	1B.1	
<u>deltoides ssp.</u>	evening-									No Photo
<u>howellii</u>	primrose									Available
<u>Orcuttia</u>	San Joaquin	Poaceae	annual herb	Apr-Sep	FT	CE	G1	S1	1B.1	
<u>inaequalis</u>	Valley Orcutt									No Photo
	grass									Available

Showing 1 to 5 of 5 entries

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