

Table 9. Federal and State listed species occurring or potentially occurring at Sacramento, Delevan, Colusa, and Sutter Refuges.

| Species | | Status | | Habitat Type | Refuge Occurrence |
|---|---|--------|----------|-----------------------------|-------------------|
| | | State | Federal | | |
| Plants | | | | | |
| Palmate-bracted bird's-beak | <i>Cordylanthus palmatus</i> | CE | FE | vernal pool, alkali meadow | SA, D, C |
| Hairy Orcutt grass | <i>Orcuttia pilosa</i> | CE | FE | vernal pool | SA, D, C |
| Greene's tuctoria | <i>Tuctoria greenei</i> | | FE | vernal pool | SA, D, C |
| Hoover's spurge | <i>Chamaesyce hooveri</i> | | FT | vernal pool | SA, D, C |
| Colusa grass | <i>Neostapfia colusana</i> | CE | FT | vernal pool | extirpated |
| Invertebrates | | | | | |
| Conservancy fairy shrimp | <i>Branchinecta conservatio</i> | | FE | vernal pool | SA, D, C |
| Vernal pool fairy shrimp | <i>Branchinecta lynchi</i> | | FT | vernal pool | SA, D, C |
| Vernal pool tadpole shrimp | <i>Lepidurus packardi</i> | | FE | vernal pool | SA, D, C |
| Fish | | | | | |
| Chinook salmon, Central Valley Spring.-run | <i>Oncorhynchus tshawytscha</i> | CT | FT | riverine floodplain | SU |
| Chinook salmon, Sacramento River Winter-run | <i>Oncorhynchus tshawytscha</i> | CE | FE | riverine floodplain | SU |
| Chinook salmon, Central Valley Fall/late Fall-run | <i>Oncorhynchus tshawytscha</i> | | CS | riverine floodplain | SU |
| Steelhead, Central Valley ESU | <i>Oncorhynchus mykiss</i> | | FT | riverine floodplain | SU |
| Amphibians & Reptiles | | | | | |
| Giant garter snake | <i>Thamnophis gigas</i> | CT | FT | wetlands, uplands | All |
| Birds | | | | | |
| Bald eagle | <i>Haliaeetus leucecephalus</i> | CE | delisted | wetlands, riparian forest | All |
| Swainson's hawk | <i>Buteo swainsoni</i> | CT | | riparian forest, grasslands | All |
| Greater sandhill crane | <i>Grus canadensis tabida</i> | CT | | seasonal wetlands | All |
| Western yellow-billed cuckoo | <i>Coccyzus americanus occidentalis</i> | CE | CS | riparian forest | SU |
| Willow flycatcher | <i>Empidonax traillii</i> | CE | | riparian forest | All |
| Status Key: State of California: CE - State-listed, Endangered, CT - State-listed, Threatened Federal: FE - Federal-listed, Endangered, FT - Federal-listed, Threatened, CS – Candidate Species Refuge Occurrence: SA – Sacramento Refuge, D – Delevan Refuge, C – Colusa Refuge, SU – Sutter Refuge Bold indicates species has been observed on the Refuge and non-bold indicates suitable habitat is present. | | | | | |

Table 5. Special status wildlife species occurring or potentially occurring at Sacramento River Refuge.

| Species | | Status | | |
|---|--|--------|-------|---------|
| | | CNPS | State | Federal |
| Plants | | | | |
| Silky cryptantha | <i>Cryptantha crinita</i> | CNPS 1 | | FSC |
| Sanford's arrowhead | <i>Sagittaria sanfordii</i> | CNPS 1 | | FSC |
| Rose mallow | <i>Hibiscus lasiocarpus</i> | CNPS 2 | | |
| Fox sedge | <i>Carex vulpinoidea</i> | CNPS 2 | | |
| Four-angled spikerush | <i>Eleocharis quadrangulata</i> | CNPS 2 | | |
| Columbian watermeal | <i>Wolffia brasiliensis</i> | CNPS 2 | | |
| Insects | | | | |
| Valley elderberry longhorn beetle | <i>Desmocerus californicus dimorphus</i> | | | FT |
| Fish | | | | |
| River lamprey | <i>Lamprreta ayresi</i> | | CSC | FSC |
| Pacific lamprey | <i>Lampetra tridentate</i> | | | FSC |
| Green sturgeon | <i>Ascipenser medirostris</i> | | CSC | CS |
| Chinook salmon, Central Valley Spring-run | <i>Oncorhynchus tshawytscha</i> | | CT | FT |
| Chinook salmon, Sacramento River Winter-run | <i>Oncorhynchus tshawytscha</i> | | CE | FE |
| Chinook salmon, Central Valley Fall/late Fall-run | <i>Oncorhynchus tshawytscha</i> | | CSC | CS |
| Central Valley steelhead | <i>Oncorhynchus mykiss</i> | | | FT |
| Pink salmon | <i>Oncorhynchus gorbuscha</i> | | CSC | |
| Chum salmon | <i>Oncorhynchus keta</i> | | CSC | |
| Coho salmon | <i>Oncorhynchus kisutch</i> | | CSC | |
| Sacramento splittail | <i>Pogonichthys macrolepidotus</i> | | CSC | FSC |
| Hardhead | <i>Mylopharadon conocephalus</i> | | CSC | |
| Sacramento perch | <i>Archoplites interruptus</i> | | CSC | FSC |
| Amphibians & Reptiles | | | | |
| Giant garter snake | <i>Thamnophis gigas</i> | | CT | FT |
| Northwestern pond turtle | <i>Clemmys marmorata marmorata</i> | | CSC | FSC |
| Birds | | | | |
| American white pelican | <i>Pelecanus erythrorhynchos</i> | | CSC | |
| Double-crested cormorant | <i>Phalacrocorax auritus</i> | | CSC | |
| American bittern | <i>Botaurus lentiginosus</i> | | | FSC |
| Least bittern | <i>Ixobrychus exilis</i> | | CSC | |
| Barrow's goldeneye | <i>Bucephala islandica</i> | | CSC | |
| Bald eagle | <i>Haliaeetus leuccephalus</i> | | CE | FT |
| Golden eagle | <i>Aquila chrysaetos</i> | | CSC | PR |
| Osprey | <i>Pandion haliaetus</i> | | CSC | |

| Species | | Status | | |
|---------------------------------|---|--------|---------|----------|
| | | CNPS | State | Federal |
| Northern harrier | <i>Circus cyaneus</i> | | CSC | |
| Cooper's Hawk | <i>Accipiter cooperii</i> | | CSC | |
| American Peregrine Falcon | <i>Falco peregrinus anatum</i> | | SFP, CE | FSC, BCC |
| Merlin | <i>Falco columbarius</i> | | CSC | |
| Sharp-shinned hawk | <i>Accipiter striatus</i> | | CSC | |
| Swainson's hawk | <i>Buteo swainsoni</i> | | CT | FSC, BCC |
| White-tailed kite | <i>Elanus leucurus</i> | | | FSC |
| Western yellow-billed cuckoo | <i>Coccyzus americanus occidentalis</i> | | CE | CS, BCC |
| Long-eared owl | <i>Asio otus</i> | | CSC | |
| Vaux's swift | <i>Chaetura vauxi</i> | | CSC | FSC |
| Lewis' woodpecker | <i>Melanerpes lewis</i> | | | FSC |
| Nuttall's woodpecker | <i>Picooides nuttallii</i> | | | FSC |
| Red-breasted sapsucker | <i>Sphyrapicus ruber</i> | | | FSC |
| Willow flycatcher | <i>Empidonax traillii</i> | | CE | FSC |
| Bank swallow | <i>Riparia riparia</i> | | CT | FSC |
| Oak titmouse | <i>Parus inornatus</i> | | | FSC |
| Loggerhead shrike | <i>Lanius ludovicianus</i> | | CSC | FSC, BCC |
| Least Bell's Vireo (extirpated) | <i>Vireo bellii pusillus</i> | | CE | FE |
| Yellow warbler | <i>Dendroica petechia bewersterii</i> | | CSC | |
| Yellow-breasted chat | <i>Icteria virens</i> | | CSC | |
| Tricolored blackbird | <i>Agelaius tricolor</i> | | CSC | FSC, BCC |
| Lawrence's goldfinch | <i>Carduelis lawrencei</i> | | | FSC, BCC |
| Mammals | | | | |
| Townsend's big-eared bat | <i>Corynorhinus townsendii pallescens</i> | | CSC | FSC |
| Western mastiff bat | <i>Eumops perotis californicus</i> | | CSC | FSC |
| Pallid bat | <i>Antrozous pallidus</i> | | CSC | |
| Yuma bat | <i>Myotis yumanensis</i> | | | FSC |
| Ringtail | <i>Bassariscus astutus</i> | | SFP | |

Status Key:

California Native Plant Society:

CSP 1 - Plants rare, threatened, or endangered in California and elsewhere;

CSP 2 - Plants rare, threatened, or endangered in California but more common elsewhere

State of California:

CE - State-listed, Endangered, CT - State-listed, Threatened, CSC - State

Species of Special Concern, SFP - State Fully Protected

Federal:

FE - Federally-listed, Endangered, FT - Federally-listed, Threatened, CS -

Candidate Species, FSC - Federal Species of Concern, PR - Protected under

Golden Eagle Protection Act, BCC - Birds of Conservation Concern