

Table 3-2: Solano HCP Draft List of Special-Status Species and Associated Habitats

Common Name/Scientific Name	Grassland Habitats		Aquatic Communities				Woodland Habitats		Riparian			Other			Status/Comments***
	Grassland	Seasonally Wet*	Freshwater Marsh	Tidal Marsh	Ponds/Lakes	Streams/Sloughs	Oak Woodland	Oak Savanna	Scrub	Woodland	Levee	Scrub/Chaparral	Agricultural	Urban	
Plants:															
Ferris's Milk-vetch <i>Astragalus tener</i> var. <i>ferrisiae</i>		√													SOC, L1B/ Required species in Biological Opinion
Alkali Milk-vetch <i>Astragalus tener</i> var. <i>tener</i>	√	√													SOC, L1B/ Required species in Biological Opinion
Vernal Pool Smallscale <i>Atriplex persistens</i>		√													L1B/ Required species in Biological Opinion
Suisun Thistle <i>Cirsium hydrophilum</i> var. <i>hydrophilum</i>				√											FE, L1B/ Required species in Biological Opinion
Soft Bird's-beak <i>Cordylanthus mollis</i> ssp. <i>mollis</i>				√											FE, SR, L1B/ Required species in Biological Opinion
Boggs Lake Hedge-hyssop <i>Gratiola heterosepala</i>		√													SOC, SE, L1B/ Required species in Biological Opinion
Contra Costa Goldfields <i>Lasthenia conjugens</i>		√						√							FE, L1B/ Required species in Biological Opinion
Delta Tule Pea <i>Lathyrus jepsonii</i> var. <i>jepsonii</i>			√	√		√									SOC, L1B/ Required species in Biological Opinion

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Legenere <i>Legenere limosa</i>		√													L1B/ Occurs in vernal pool habitats and conservation measures could be addressed through other required species.
Heckard's Pepper-grass <i>Lepidium latipes var. heckardii</i>		√													L1B/ Occurs in vernal pool habitats and conservation measures could be addressed through other required species.
Mason's Lilaepsis <i>Lilaepsis masonii</i>				√		√									SOC, SR, L1B/ Required species in Biological Opinion
Delta Mudwort <i>Limosella subulata</i>				√		√									L2/ Similar habitats to Mason's lilaepsis and Delta Tule pea and could be covered under the conservation measures for these required species.
Cotula Navarretia <i>Navarretia cotulifolia</i>	√	√					√	√				√			L4/ Limited information on presence or distribution in County; Occurs in vernal pool habitats and conservation measures could be addressed through other required species.
Baker's Navarretia <i>Navarretia leucocephala ssp. bakeri</i>		√					√	√							SOC, L1B/ Required species in Biological Opinion.
Colusa Grass <i>Neostapfia colusana</i>		√													FT, SE, L1B/ Required Species in Biological Opinion.

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San Joaquin Valley Orcutt Grass <i>Orcuttia inaequalis</i>		√													FT, SE, L1B/ Species not previously known in Solano County. One population found in 2003 in a potential reserve area.
Gairdner's Yampah <i>Perideridia gairdneri</i> ssp. <i>gairdneri</i>	√	√					√	√				√			SOC, L4/ Typically occurs around vernal pools and other seasonally wet areas; Conservation measures could likely be incorporated with other required species.
Marin Knotweed <i>Polygonum marinense</i>				√											SOC, L3/Occurs in upper salt marsh habitats; Conservation measures could likely be incorporated with other required species.
Delta Woolly-marbles <i>Psilocarphus brevissimus</i> var. <i>multiflorus</i>		√													L4/ Typically occurs around vernal pools and other seasonally wet areas; Conservation measures could likely be incorporated with other required species.
Lobb's Aquatic Buttercup <i>Ranunculus lobbii</i>		√	√		√	√	√	√							L4/ Typically occurs around vernal pools and other seasonally wet areas; Conservation measures could likely be incorporated with other required species.
Saline Clover <i>Trifolium depauperatum</i> var. <i>hydrophilum</i>		√		√	√	√									L1B/ Occurs in wetlands with alkaline soils; Conservation measures could likely be incorporated with other required species.

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Crampton's Tuctoria (Solano Grass) <i>Tuctoria mucronata</i>		√													FE, SE, L1B/ Required species in Biological Opinion.
Animals:															
Swainson's Hawk <i>Buteo swainsoni</i>	√	√	√					√	√	√	√		√	√	ST/ Concern for development and O&M activities in much of County.
California Black Rail <i>Laterallus jamaicensis coturniculus</i>			√	√											SOC, ST & CFP/ Would be covered under conservation actions for required federal species such as clapper rail.
California Clapper Rail <i>Rallus longirostris obsoletus</i>				√											FE, SE & CFP/ Required species under Biological Opinion.
Burrowing Owl <i>Athene cucicularia</i>	√	√						√	√		√		√	√	SOC, CSC/Potential for impacts and potential species for future federal and state listing; nest sites protected by existing state and federal laws.
Suisun Song Sparrow <i>Melospiza melodia maxillaris</i>			√	√		√									SOC, CSC/ Could generally be covered under conservation strategies for other required species.
Tricolored Blackbird <i>Agelaius tricolor</i>	√	√	√		√	√			√				√		SOC, CSC/ Potential for future listing; Some overlap with conservation strategies for other required species; may require additional measures.
California Tiger Salamander <i>Ambystoma californiense</i>	√	√						√							FT, CSC/ Required species in Biological Opinion.

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California Red-legged Frog <i>Rana aurora draytonii</i>	√		√		√	√	√	√	√	√					FT & CH, CSC/ Required species in Biological Opinion.
Giant Garter Snake <i>Thamnophis gigas</i>			√		√	√					√		√		FT, ST/ Required species in Biological Opinion.
Salt Marsh Harvest Mouse <i>Reithrodontomys raviventris halicoetes</i>	√	√		√											FE, SE & CFP/ Required species in Biological Opinion.
Conservancy Fairy Shrimp <i>Branchinecta conservation</i>		√													FE/ Required species in Biological Opinion.
Vernal Pool Fairy Shrimp <i>Branchinecta lynchi</i>		√													FT/ Required species in Biological Opinion.
Mid Valley Fairy Shrimp <i>Branchinecta mesovalleyensis</i>		√													Petitioned for federal listing/ Conservation actions can be addressed through other required species.
Vernal Pool Tadpole Shrimp <i>Lepidurus packardi</i>		√													FT/ Required species in Biological Opinion.
Valley Elderberry Longhorn Beetle <i>Desmocerus californicus dimorphus</i>									√	√					FT/ Required species in Biological Opinion.

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Delta Green Ground Beetle <i>Elaphrus viridis</i>		√													FE/ Required species in Biological Opinion.
Callippe Silverspot Butterfly <i>Speyeria callippe callippe</i>	√														FE/ Required species in Biological Opinion
Chinook Salmon - Winter-run <i>Oncorhynchus tshawtyscha</i>						√			√	√	√				FE &CH/ Primary concerns are for passage/movement and water quality.
Chinook Salmon-Central Valley fall/late fall-run ESU <i>Oncorhynchus tshawtyscha</i>						√			√	√	√				Candidate - not warranted/ Some potential breeding habitat. Concerns for water quality, passage, and riparian habitat protection.
Chinook Salmon - Spring-run <i>Oncorhynchus tshawtyscha</i>						√			√	√	√				FT &CH/ Primary concerns are for passage/movement and water quality
Steelhead - Central California Coast ESU <i>Oncorhynchus mykiss</i>						√			√	√	√				FT &CH/ Breeding habitat present; many streams in County may qualify as critical habitat; concerns for water quality, passage, and riparian habitat protection.

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Steelhead - Central Valley ESU <i>Oncorhynchus mykiss</i>						√			√	√	√				FT & CH/ Breeding habitat present; many streams in County may qualify as critical habitat; concerns for water quality, passage, and riparian habitat protection.
Delta smelt <i>Hypomesus transpacificus</i>			√	√		√									FT/ Required species in Biological Opinion.
Sacramento splittail <i>Pogonichthys macrolepidotus</i>			√	√		√									FT/ Required species in Biological Opinion.

Legend

*Plants that are also found in chenopod scrub habitats.

** Sand dunes

*** Status

Federal:

FE = Federally Endangered Species

FT = Federally Threatened Species

SOC = Federal Species of Concern

FC = Federal Candidate for listing

FPT = Federally Proposed Threatened Species

CH = Designated Critical Habitat present in County

CNPS (California Native Plant Society):

List 1B = Plant rare, threatened or endangered in California and elsewhere.

List 2 = Plant rare, threatened or endangered in California but common elsewhere.

List 3 = Plant for which more information is needed for assignment to a list.

List 4 = Plant of limited distribution (a watch list).

State:

SR = State Rare Species (applies only to plants)

SE = State Endangered Species

ST = State Threatened Species

CSC = California Species of Special Concern

CFP = California Fully Protected Species