

Federal Endangered and Threatened Species that may be affected by projects in Alameda County

Database Last Updated: January 19, 2005

Today's Date is: January 27, 2005

Listed Species

Invertebrates

Branchinecta longiantenna - longhorn fairy shrimp (E)

Branchinecta lynchi - vernal pool fairy shrimp (T)

Euphydryas editha bayensis - bay checkerspot butterfly (T)

Lepidurus packardii - vernal pool tadpole shrimp (E)

Speyeria callippe callippe - callippe silverspot butterfly (E)

Fish

Eucyclogobius newberryi - tidewater goby (E)

Hypomesus transpacificus - delta smelt (T)

Oncorhynchus kisutch - coho salmon - central CA coast (T) (NMFS)

Oncorhynchus mykiss - Central California Coastal steelhead (T) (NMFS)

Oncorhynchus tshawytscha - Central Valley spring-run chinook salmon (T) (NMFS)

Oncorhynchus tshawytscha - winter-run chinook salmon (E) (NMFS)

Amphibians

Ambystoma californiense - California tiger salamander (T)

Rana aurora draytonii - California red-legged frog (T)

Reptiles

Masticophis lateralis euryxanthus - Alameda whipsnake (T)

Birds

Haliaeetus leucocephalus - bald eagle (T)

Pelecanus occidentalis californicus - California brown pelican (E)

Rallus longirostris obsoletus - California clapper rail (E)

Sterna antillarum (=albifrons) *browni* - California least tern (E)

Mammals

Neotoma fuscipes riparia - riparian (San Joaquin Valley) woodrat (E)

Reithrodontomys raviventris - salt marsh harvest mouse (E)

Sylvilagus bachmani riparius - riparian brush rabbit (E)

Vulpes macrotis mutica - San Joaquin kit fox (E)

Plants

Amsinckia grandiflora - large-flowered fiddleneck (E)

Arctostaphylos pallida - pallid manzanita (=Alameda or Oakland Hills manzanita) (T)

Chorizanthe robusta var. *robusta* - robust spineflower (E)

Clarkia franciscana - Presidio clarkia (E)

Cordylanthus palmatus - palmate-bracted bird's-beak (E)

Holocarpha macradenia - Santa Cruz tarplant (T)

Lasthenia conjugens - Contra Costa goldfields (E)

Suaeda californica - California sea blite (E)

Trifolium amoenum - showy Indian clover (E)

Candidate Species

Fish

Acipenser medirostris - green sturgeon (C)

Oncorhynchus tshawytscha - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

Species of Concern

Invertebrates

Adela oplerella - Opler's longhorn moth (SC)

Helminthoglypta nickliniana bridgesi - Bridges' Coast Range shoulderband snail (SC)

Hydrochara rickseckeri - Ricksecker's water scavenger beetle (SC)

Hygrotus curvipes - curved-foot hygrotus diving beetle (SC)

Linderiella occidentalis - California linderiella fairy shrimp (SC)

Microcina lumi - Fairmont (=Lum's) microblind harvestman (SC)

Nothochrysa californica - San Francisco lacewing (SC)

Fish

Lampetra ayresi - river lamprey (SC)

Lampetra tridentata - Pacific lamprey (SC)

Pogonichthys macrolepidotus - Sacramento splittail (SC)

Spirinchus thaleichthys - longfin smelt (SC)

Amphibians

Rana boylei - foothill yellow-legged frog (SC)

Spea hammondi - western spadefoot toad (SC)

Reptiles

Anniella pulchra pulchra - silvery legless lizard (SC)

Clemmys marmorata marmorata - northwestern pond turtle (SC)

Clemmys marmorata pallida - southwestern pond turtle (SC)

Masticophis flagellum ruddocki - San Joaquin coachwhip (=whipsnake) (SC)

Phrynosoma coronatum frontale - California horned lizard (SC)

Birds

Agelaius tricolor - tricolored blackbird (SC)

Amphispiza belli belli - Bell's sage sparrow (SC)

Athene cunicularia hypugaea - western burrowing owl (SC)

Baeolophus inornatus - oak titmouse (SLC)

Botaurus lentiginosus - American bittern (SC)

Branta canadensis leucopareia - Aleutian Canada goose (D)

Buteo regalis - ferruginous hawk (SC)

Calidris canutus - red knot (SC)

Calypte costae - Costa's hummingbird (SC)

Carduelis lawrencei - Lawrence's goldfinch (SC)

Chaetura vauxi - Vaux's swift (SC)

Charadrius montanus - mountain plover (SC)

Contopus cooperi - olive-sided flycatcher (SC)

Elanus leucurus - white-tailed (=black shouldered) kite (SC)

Empidonax traillii brewsteri - little willow flycatcher (CA)

Falco peregrinus anatum - American peregrine falcon (D)

Geothlypis trichas sinuosa - saltmarsh common yellowthroat (SC)

Lanius ludovicianus - loggerhead shrike (SC)

Laterallus jamaicensis coturniculus - black rail (CA)

Limosa fedoa - marbled godwit (SC)

Melanerpes lewis - Lewis' woodpecker (SC)

Melospiza melodia pusillula - Alameda (South Bay) song sparrow (SC)

Numenius americanus - long-billed curlew (SC)

Plegadis chihi - white-faced ibis (SC)

Riparia riparia - bank swallow (CA)

Rynchops niger - black skimmer (SC)

Selasphorus rufus - rufous hummingbird (SC)

Selasphorus sasin - Allen's hummingbird (SC)

Sphyrapicus ruber - red-breasted sapsucker (SC)

Toxostoma redivivum - California thrasher (SC)

Mammals

Corynorhinus (=Plecotus) townsendii townsendii - Pacific western big-eared bat (SC)

Dipodomys heermanni berkeleyensis - Berkeley kangaroo rat (SC)

Eumops perotis californicus - greater western mastiff-bat (SC)

Myotis ciliolabrum - small-footed myotis bat (SC)

Myotis evotis - long-eared myotis bat (SC)

Myotis thysanodes - fringed myotis bat (SC)

Myotis volans - long-legged myotis bat (SC)

Myotis yumanensis - Yuma myotis bat (SC)

Neotoma fuscipes annectens - San Francisco dusky-footed woodrat (SC)

Perognathus inornatus - San Joaquin pocket mouse (SC)

Scapanus latimanus parvus - Alameda Island mole (SC)

Sorex vagrans halicoetes - salt marsh vagrant shrew (SC)

Plants

Allium sharsmithae - Sharsmith's onion (SC)

Amsinckia lunaris - bent-flowered fiddleneck (SLC)

Astragalus tener var. *tener* - alkali milk-vetch (SC)

Atriplex cordulata - heartscale (SC)

Atriplex depressa - brittlescale (SC)

Atriplex joaquiniana - San Joaquin spearscale (=saltbush) (SC)

Balsamorhiza macrolepis var. *macrolepis* - big-scale (=California) balsamroot (SLC)

Blepharizonia plumosa ssp. *plumosa* - big tarplant (SC)

Campanula exigua - chaparral harebell (=bellflower) (SLC)

Castilleja ambigua ssp. *ambigua* - salt marsh owl's clover (=johnny-nip) (SLC)

- Caulanthus coulteri* var. *lemmonii* - Lemmon's jewelflower (SLC)
- Chorizanthe cuspidata* var. *cuspidata* - San Francisco Bay spineflower (SC)
- Cirsium fontinale* var. *campylon* - Mt. Hamilton thistle (SC)
- Clarkia concinna* ssp. *automixa* - South Bay clarkia (=Santa Clara red ribbons) (SC)
- Cordylanthus maritimus* ssp. *palustris* - northcoast (=Point Reyes) bird's-beak (SC)
- Cordylanthus mollis* ssp. *hispidus* - hispid bird's-beak (SC)
- Coreopsis hamiltonii* - Mt. Hamilton coreopsis (SC)
- Cryptantha hooveri* - Hoover's cryptantha (SLC)
- Deinandra bacigalupii* - Livermore tarplant (SC)
- Delphinium californicum* ssp. *interius* - interior California (Hospital Canyon) larkspur (SC)
- Delphinium recurvatum* - recurved larkspur (SC)
- Dirca occidentalis* - western leatherwood (SLC)
- Eriogonum caninum* - Tiburon buckwheat (SLC)
- Eriogonum nudum* var. *decurrans* - Ben Lomond buckwheat (= naked buckwheat) (SC)
- Eryngium aristulatum* var. *hooveri* - Hoover's button-celery (SC)
- Eschscholzia rhombipetala* - diamond-petaled California poppy (SC)
- Fritillaria agrestis* - stinkbells (SLC)
- Fritillaria falcata* - talus fritillary (SC)
- Fritillaria liliacea* - fragrant fritillary (= prairie bells) (SC)
- Galium andrewsii* ssp. *gatense* - serpentine bedstraw (SLC)
- Helianthella castanea* - Diablo helianthella (=rock-rose) (SC)
- Hemizonia parryi* ssp. *congdonii* - Congdon's tarplant (SC)
- Hesperolinon serpentinum* - Napa western flax (SC)
- Hoita strobilina* - Loma Prieta hoita (SC)
- Horkelia cuneata* ssp. *sericea* - Kellogg's horkelia (SC)

Lathyrus jepsonii var. *jepsonii* - delta tule-pea (SC)

Lilaeopsis masonii - Mason's lilaeopsis (SC)

Linanthus grandiflorus - large-flowered (=flower) linanthus (SC)

Malacothamnus hallii (=M. *fasciculatus*) - Hall's bush mallow (SLC)

Monardella villosa ssp. *globosa* - robust monardella (=robust coyote mint) (SLC)

Myosurus minimus ssp. *apus* - little mousetail (SC)

Navarretia prostrata - prostrate navarretia (=prostrate pincushionplant) (SC)

Plagiobothrys chorisianus var. *chorisianus* - Choris's (=artist's) popcorn-flower (SLC)

Plagiobothrys diffusus - San Francisco popcornflower (CA)

Plagiobothrys glaber - hairless allocarya (=popcornflower) (SC)

Sanicula maritima - adobe sanicle (SC)

Spartina foliosa - Pacific cordgrass (=California cordgrass) (SLC)

Streptanthus albidus ssp. *peramoenus* - most beautiful (uncommon) jewelflower (SC)

Trifolium depauperatum var. *hydrophilum* - water sack (=saline) clover (SC)

Tropidocarpum capparideum - caper-fruited tropidocarpum (SC)

Species with [Critical Habitat](#) Proposed or Designated in this County

Alameda whipsnake (T)

CA tiger salamander - Central Valley population (PX)

California red-legged frog (Proposed) (PX)

Central Valley fall/late fall-run chinook (C)

vernal pool fairy shrimp (X)

vernal pool invertebrates (X)

vernal pool plants (X)

vernal pool tadpole shrimp (X)

winter-run chinook salmon (E)

Key:

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(NMFS) Species under the Jurisdiction of the [National Marine Fisheries Service](#). Consult with them directly about these species.

Critical Habitat - Area essential to the conservation of a species.

(PX) Proposed Critical Habitat - The species is already listed. Critical habitat is being proposed for it.

(C) Candidate - Candidate to become a proposed species.

(CA) Listed by the State of California but not by the Fish & Wildlife Service.

(D) Delisted - Species will be monitored for 5 years.

(SC) Species of Concern/(SLC) Species of Local Concern - Other species of concern to the Sacramento Fish Wildlife Office.

Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our list includes all of the sensitive species that have been found in a certain area *and also ones that may be affected by projects in the area*. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the species we want people to consider when they do something that affects the environment.

This is *not* an official list for formal consultation under the Endangered Species Act. *However, it may be used to update official lists.*

If you have a project that may affect endangered species, please contact the [Endangered Species Division](#), [Sacramento Fish and Wildlife Office](#), [U.S. Fish and Wildlife Service](#).

Federal Endangered and Threatened Species that may be affected by projects in Contra Costa County

Database Last Updated: January 19, 2005

Today's Date is: January 27, 2005

Listed Species

Invertebrates

Apodemia mormo langei - Lange's metalmark butterfly (E)

Branchinecta conservatio - Conservancy fairy shrimp (E)

Branchinecta longiantenna - longhorn fairy shrimp (E)

Branchinecta lynchi - vernal pool fairy shrimp (T)

Desmocerus californicus dimorphus - valley elderberry longhorn beetle (T)

Lepidurus packardi - vernal pool tadpole shrimp (E)

Speyeria callippe callippe - callippe silverspot butterfly (E)

Fish

Eucyclogobius newberryi - tidewater goby (E)

Hypomesus transpacificus - delta smelt (T)

Oncorhynchus kisutch - coho salmon - central CA coast (T) (NMFS)

Oncorhynchus mykiss - Central California Coastal steelhead (T) (NMFS)

Oncorhynchus tshawytscha - Central Valley spring-run chinook salmon (T) (NMFS)

Oncorhynchus tshawytscha - winter-run chinook salmon (E) (NMFS)

Amphibians

Ambystoma californiense - California tiger salamander (T)

Rana aurora draytonii - California red-legged frog (T)

Reptiles

Masticophis lateralis euryxanthus - Alameda whipsnake (T)

Thamnophis gigas - giant garter snake (T)

Birds

Charadrius alexandrinus nivosus - western snowy plover (T)

Haliaeetus leucocephalus - bald eagle (T)

Pelecanus occidentalis californicus - California brown pelican (E)

Rallus longirostris obsoletus - California clapper rail (E)

Sterna antillarum (=albifrons) *browni* - California least tern (E)

Mammals

Neotoma fuscipes riparia - riparian (San Joaquin Valley) woodrat (E)

Reithrodontomys raviventris - salt marsh harvest mouse (E)

Sylvilagus bachmani riparius - riparian brush rabbit (E)

Vulpes macrotis mutica - San Joaquin kit fox (E)

Plants

Amsinckia grandiflora - large-flowered fiddleneck (E)

Arctostaphylos pallida - pallid manzanita (=Alameda or Oakland Hills manzanita) (T)

Cordylanthus mollis ssp. *mollis* - soft bird's-beak (E)

Erysimum capitatum ssp. *angustatum* - Contra Costa wallflower (E)

Holocarpha macradenia - Santa Cruz tarplant (T)

Lasthenia conjugens - Contra Costa goldfields (E)

Oenothera deltoides ssp. *howellii* - Antioch Dunes evening-primrose (E)

Candidate Species

Fish

Acipenser medirostris - green sturgeon (C)

Oncorhynchus tshawytscha - Central Valley fall/late fall-run chinook salmon (C) (NMFS)

Species of Concern

Invertebrates

- Aegialia concinna* - Ciervo aegialian scarab beetle (SC)
- Anthicus antiochensis* - Antioch Dunes anthicid beetle (SC)
- Anthicus sacramento* - Sacramento anthicid beetle (SC)
- Branchinecta mesovallensis* - Midvalley fairy shrimp (SC)
- Coelus gracilis* - San Joaquin dune beetle (SC)
- Cophura hurdi* - Antioch cophuran robberfly (SC)
- Efferia antiochi* - Antioch efferian robberfly (SC)
- Helminthoglypta nickliniana bridgesi* - Bridges' Coast Range shoulderband snail (SC)
- Hydrochara rickseckeri* - Ricksecker's water scavenger beetle (SC)
- Hygrotus curvipes* - curved-foot hygrotus diving beetle (SC)
- Idiostatus middlekaufi* - Middlekauf's shieldback katydid (SC)
- Incisalia mossii marinensis* - Marin elfin butterfly (SC)
- Linderiella occidentalis* - California linderiella fairy shrimp (SC)
- Lytta molesta* - molestan blister beetle (SC)
- Metapogon hurdi* - Hurd's metapogon robberfly (SC)
- Myrmosula pacifica* - Antioch mutillid wasp (SC)
- Nothochrysa californica* - San Francisco lacewing (SC)
- Perdita hirticeps luteocincta* - yellow-banded andrenid bee (SC)
- Perdita scitula antiochensis* - Antioch andrenid bee (SC)
- Philanthus nasilis* - Antioch sphecid wasp (SC)

Fish

- Lampetra ayresi* - river lamprey (SC)
- Lampetra tridentata* - Pacific lamprey (SC)

Pogonichthys macrolepidotus - Sacramento splittail (SC)

Spirinchus thaleichthys - longfin smelt (SC)

Amphibians

Rana boylei - foothill yellow-legged frog (SC)

Spea hammondi - western spadefoot toad (SC)

Reptiles

Anniella pulchra pulchra - silvery legless lizard (SC)

Clemmys marmorata marmorata - northwestern pond turtle (SC)

Clemmys marmorata pallida - southwestern pond turtle (SC)

Masticophis flagellum ruddocki - San Joaquin coachwhip (=whipsnake) (SC)

Phrynosoma coronatum frontale - California horned lizard (SC)

Birds

Agelaius tricolor - tricolored blackbird (SC)

Amphispiza belli belli - Bell's sage sparrow (SC)

Athene cunicularia hypugaea - western burrowing owl (SC)

Baeolophus inornatus - oak titmouse (SLC)

Botaurus lentiginosus - American bittern (SC)

Branta canadensis leucopareia - Aleutian Canada goose (D)

Buteo regalis - ferruginous hawk (SC)

Buteo Swainsoni - Swainson's hawk (CA)

Calidris canutus - red knot (SC)

Calypte costae - Costa's hummingbird (SC)

Carduelis lawrencei - Lawrence's goldfinch (SC)

Chaetura vauxi - Vaux's swift (SC)

Charadrius montanus - mountain plover (SC)

Contopus cooperi - olive-sided flycatcher (SC)

Elanus leucurus - white-tailed (=black shouldered) kite (SC)

Empidonax traillii brewsteri - little willow flycatcher (CA)

Falco peregrinus anatum - American peregrine falcon (D)

Geothlypis trichas sinuosa - saltmarsh common yellowthroat (SC)

Lanius ludovicianus - loggerhead shrike (SC)

Laterallus jamaicensis coturniculus - black rail (CA)

Limosa fedoa - marbled godwit (SC)

Melanerpes lewis - Lewis' woodpecker (SC)

Melospiza melodia maxillaris - Suisun song sparrow (SC)

Melospiza melodia pusillula - Alameda (South Bay) song sparrow (SC)

Melospiza melodia samuelis - San Pablo song sparrow (SC)

Numenius americanus - long-billed curlew (SC)

Numenius phaeopus - whimbrel (SC)

Plegadis chihi - white-faced ibis (SC)

Riparia riparia - bank swallow (CA)

Selasphorus rufus - rufous hummingbird (SC)

Selasphorus sasin - Allen's hummingbird (SC)

Sphyrapicus ruber - red-breasted sapsucker (SC)

Toxostoma redivivum - California thrasher (SC)

Mammals

Corynorhinus (=Plecotus) townsendii townsendii - Pacific western big-eared bat (SC)

Dipodomys heermanni berkeleyensis - Berkeley kangaroo rat (SC)

Eumops perotis californicus - greater western mastiff-bat (SC)

Myotis ciliolabrum - small-footed myotis bat (SC)

Myotis evotis - long-eared myotis bat (SC)

Myotis thysanodes - fringed myotis bat (SC)

Myotis volans - long-legged myotis bat (SC)

Myotis yumanensis - Yuma myotis bat (SC)

Neotoma fuscipes annectens - San Francisco dusky-footed woodrat (SC)

Perognathus inornatus - San Joaquin pocket mouse (SC)

Sorex ornatus sinuosus - Suisun ornate shrew (SC)

Sorex vagrans halicoetes - salt marsh vagrant shrew (SC)

Plants

Amsinckia lunaris - bent-flowered fiddleneck (SLC)

Arabis blepharophylla - coast rock-cress (SLC)

Aster lentus - Suisun Marsh aster (SC)

Astragalus tener var. *tener* - alkali milk-vetch (SC)

Atriplex cordulata - heartscale (SC)

Atriplex depressa - brittlescale (SC)

Atriplex joaquiniana - San Joaquin spearscale (=saltbush) (SC)

Blepharizonia plumosa ssp. *plumosa* - big tarplant (SC)

Calochortus pulchellus - Mt. Diablo fairy-lantern (SLC)

Campanula exigua - chaparral harebell (=bellflower) (SLC)

Castilleja ambigua ssp. *ambigua* - salt marsh owl's clover (=johnny-nip) (SLC)

Cirsium andrewsii - Franciscan thistle (SC)

Cordylanthus nidularius - Mt. Diablo bird's-beak (SC)

Croton californicus - California croton (SLC)

Cryptantha hooveri - Hoover's cryptantha (SLC)

Deinandra bacigalupii - Livermore tarplant (SC)

- Delphinium californicum* ssp. *interius* - interior California (Hospital Canyon) larkspur (SC)
- Delphinium recurvatum* - recurved larkspur (SC)
- Dirca occidentalis* - western leatherwood (SLC)
- Eriogonum caninum* - Tiburon buckwheat (SLC)
- Eriogonum nudum* var. *decurrans* - Ben Lomond buckwheat (= naked buckwheat) (SC)
- Eryngium racemosum* - delta coyote-thistle (=button-celery) (CA)
- Eschscholzia rhombipetala* - diamond-petaled California poppy (SC)
- Fritillaria agrestis* - stinkbells (SLC)
- Fritillaria liliacea* - fragrant fritillary (= prairie bells) (SC)
- Galium andrewsii* ssp. *gatense* - serpentine bedstraw (SLC)
- Helianthella castanea* - Diablo helianthella (=rock-rose) (SC)
- Hemizonia parryi* ssp. *congdonii* - Congdon's tarplant (SC)
- Hesperolinon breweri* - Brewer's dwarf-flax (=western flax) (SC)
- Hoita strobilina* - Loma Prieta hoita (SC)
- Isocoma arguta* - Carquinez goldenbush (SC)
- Juglans californica* var. *hindsii* - Northern California black walnut (SC)
- Lathyrus jepsonii* var. *jepsonii* - delta tule-pea (SC)
- Lilaeopsis masonii* - Mason's lilaeopsis (SC)
- Madia radiata* - showy (=golden) madia (SC)
- Malacothamnus hallii* (=M. *fasciculatus*) - Hall's bush mallow (SLC)
- Meconella oregana* - Oregon meconella (=white fairypoppy) (SC)
- Monardella villosa* ssp. *globosa* - robust monardella (=robust coyote mint) (SLC)
- Myosurus minimus* ssp. *apus* - little mousetail (SC)
- Perideridia gairdneri* ssp. *gairdneri* - Gairdner's yampah (SC)
- Phacelia phacelioides* - Mt. Diablo phacelia (SC)

Sanicula saxatilis - rock sanicle (SC)

Spartina foliosa - Pacific cordgrass (=California cordgrass) (SLC)

Streptanthus albidus ssp. *peramoenus* - most beautiful (uncommon) jewelflower (SC)

Streptanthus hispidus - Mt. Diablo jewelflower (SC)

Triquetrella californica - California triquetrella moss (SLC)

Tropidocarpum capparideum - caper-fruited tropidocarpum (SC)

Species with [Critical Habitat](#) Proposed or Designated in this County

Alameda whipsnake (T)

Antioch Dunes evening-primrose (E)

CA tiger salamander - Central Valley population (PX)

California red-legged frog (Proposed) (PX)

Central Valley fall/late fall-run chinook (C)

Contra Costa wallflower (E)

delta smelt (T)

Santa Cruz tarplant (T)

vernal pool fairy shrimp (X)

vernal pool invertebrates (X)

vernal pool plants (X)

winter-run chinook salmon (E)

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