FINAL Environmental Assessment

One-Year Recapture of San Joaquin River Restoration Flows at Patterson Irrigation District and/or Banta-Carbona Irrigation District

Attachment B – US Fish and Wildlife Service Endangered Species List – October 13, 2015



Patterson Irrigation District

IPaC Trust Resource Report

Generated October 14, 2015 08:40 AM MDT

This report is for informational purposes only and should not be used for planning or analyzing project-level impacts. For projects that require FWS review, please return to this project on the IPaC website and request an official species list from the Regulatory Documents page.



US Fish & Wildlife Service IPaC Trust Resource Report



Project Description

NAME

Patterson Irrigation District

PROJECTCODE

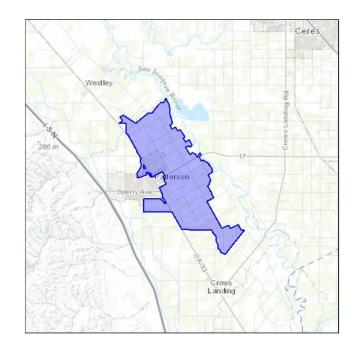
6KZZD-GJPWJ-DNNOV-7TJNG-KUVEGE

LOCATION

Stanislaus County, California

DESCRIPTION

No description provided



U.S. Fish & Wildlife Contact Information

Species in this report are managed by:

Sacramento Fish And Wildlife Office

Federal Building 2800 COTTAGE WAY, ROOM W-2605 Sacramento, CA 95825-1846 (916) 414-6600

Endangered Species

Proposed, candidate, threatened, and endangered species that are managed by the Endangered Species Program and should be considered as part of an effect analysis for this project.

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Amphibians

California Red-legged Frog Rana draytonii	Threatened
CRITICALHABITAT	
There is final critical habitat designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=D02D	
California Tiger Salamander Ambystoma californiense	Threatened
CRITICALHABITAT	
There is final critical habitat designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=D01T	
Birds	
Least Bell's Vireo bellii pusillus	Endangered
CRITICALHABITAT	
There is final critical habitat designated for this species.	

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B067

Crustaceans	
Conservancy Fairy Shrimp Branchinecta conservatio	Endangered
CRITICALHABITAT There is final critical habitat designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=K03D	
Vernal Pool Fairy Shrimp Branchinecta lynchi CRITICALHABITAT There is final critical habitat designated for this species.	Threatened
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=K03G	
Vernal Pool Tadpole Shrimp Lepidurus packardi	Endangered
CRITICALHABITAT There is final critical habitat designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=K048	
Fishes	
Delta Smelt Hypomesus transpacificus	Threatened
CRITICALHABITAT There is final critical habitat designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=E070	
Steelhead Oncorhynchus (=Salmo) mykiss	Threatened
CRITICALHABITAT There is final critical habitat designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=E08D	
Insects	
Valley Elderberry Longhorn Beetle Desmocerus californicus dimorphus	Threatened
CRITICALHABITAT There is final critical habitat designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=I01L	
Mammals	
Riparian Brush Rabbit Sylvilagus bachmani riparius	Endangered
CRITICALHABITAT No critical habitat has been designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=A0DN	
San Joaquin Kit Fox Vulpes macrotis mutica	Endangered
CRITICALHABITAT No critical habitat has been designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=A006	

CRITICALHABITAT No critical habitat has been designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=C001

Giant Garter Snake Thamnophis gigas

CRITICALHABITAT No critical habitat has been designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=C057

Critical Habitats

Potential effects to critical habitat(s) within the project area must be analyzed along with the endangered species themselves.

Steelhead Critical Habitat Final designated

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=E08D#crithab

Endangered

6K2ZD-GJPWJ-DNNOV-7TJNG-KUVEGE

10/14/2015 08:40

Threatened

Migratory Birds

Birds are protected by the <u>Migratory Bird Treaty Act</u> and the Bald and Golden Eagle Protection Act.

Any activity which results in the take of migratory birds or eagles is prohibited unless authorized by the U.S. Fish and Wildlife Service ($\underline{1}$). There are no provisions for allowing the take of migratory birds that are unintentionally killed or injured.

You are responsible for complying with the appropriate regulations for the protection of birds as part of this project. This involves analyzing potential impacts and implementing appropriate conservation measures for all project activities.

Bald Eagle Haliaeetus leucocephalus	Bird of conservation concern
Year-round	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B008	
Black Rail Laterallus jamaicensis	Bird of conservation concern
Season: Breeding	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B09A	
Burrowing Owl Athene cunicularia	Bird of conservation concern
Year-round	
California Spotted Owl Strix occidentalis occidentalis	Bird of conservation concern
Year-round	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B08L	
Costa's Hummingbird Calypte costae	Bird of conservation concern
Season: Breeding	
Fox Sparrow Passerella iliaca	Bird of conservation concern
Season: Wintering	
Lawrence's Goldfinch Carduelis lawrencei	Bird of conservation concern
Season: Breeding	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0J8	
Least Bittern Ixobrychus exilis	Bird of conservation concern
Season: Breeding	
Lesser Yellowlegs Tringa flavipes	Bird of conservation concern
Season: Wintering	
Lewis's Woodpecker Melanerpes lewis	Bird of conservation concern
Season: Wintering	
Loggerhead Shrike Lanius Iudovicianus	Bird of conservation concern
Year-round	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0FY	
Long-billed Curlew Numenius americanus	Bird of conservation concern
Season: Wintering	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B06S	
Marbled Godwit Limosa fedoa	Bird of conservation concern
Season: Wintering	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0JL	

Mountain Plover Charadrius montanus Season: Wintering https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B078	Bird of conservation concern
Nuttall's Woodpecker Picoides nuttallii	Bird of conservation concern
Year-round	
Peregrine Falcon Falco peregrinus	Bird of conservation concern
Year-round	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0FU	
Short-billed Dowitcher Limnodromus griseus	Bird of conservation concern
-	Bird of conservation concern
Season: Wintering	
Short-eared Owl Asio flammeus	Bird of conservation concern
Season: Wintering	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0HD	
Swainson's Hawk Buteo swainsoni	Bird of conservation concern
Season: Breeding	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B070	
Tricolored Blackbird Agelaius tricolor	Bird of conservation concern
Year-round	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B06P	
Yellow-billed Magpie Pica nuttalli	Bird of conservation concern
	Bird of conservation concern
Year-round	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0N8	

Refuges

Any activity proposed on <u>National Wildlife Refuge</u> lands must undergo a 'Compatibility Determination' conducted by the Refuge. If your project overlaps or otherwise impacts a Refuge, please contact that Refuge to discuss the authorization process.

There are no refuges within this project area

Wetlands

Impacts to <u>NWI wetlands</u> and other aquatic habitats from your project may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal Statutes.

Project proponents should discuss the relationship of these requirements to their project with the Regulatory Program of the appropriate <u>U.S. Army Corps of Engineers District</u>.

DATALIMITATIONS

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

DATAEXCLUSIONS

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

DATA PRECAUTIONS

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

Freshwater Emergent Wetland РЕМКСх РЕМКСһ	21.0 acres 12.2 acres
Freshwater Forested/shrub Wetland PFOA PFOC	14.8 acres 13.3 acres
Freshwater Pond PUBKHx PUBFx	2.01 acres 0.968 acre

Lake L1UBKH L2USKCh	40.1 acres 31.7 acres
Other PUSCx	0.965 acre
Riverine к20вн	1070.0 acres

U.S. Fish & Wildlife Service

Banta Carbona Irrigation District

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US Fish & Wildlife Service IPaC Trust Resource Report



Project Description

NAME

Banta Carbona Irrigation District

PROJECTCODE

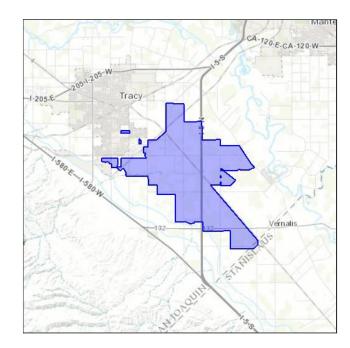
ZQLWV-57JXZ-E4JEG-TZE5H-46TXFY

LOCATION

San Joaquin and Stanislaus counties, California

DESCRIPTION

No description provided



U.S. Fish & Wildlife Contact Information

Species in this report are managed by:

San Francisco Bay-delta Fish And Wildlife

650 Capitol Mall SUITE 8-300 Sacramento, CA 95814 (916) 930-5603

Sacramento Fish And Wildlife Office

Federal Building 2800 COTTAGE WAY, ROOM W-2605 Sacramento, CA 95825-1846 (916) 414-6600

Endangered Species

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Amphibians

California Red-legged Frog Rana draytonii

MANAGED BY Sacramento Fish And Wildlife Office CRITICALHABITAT There is **final** critical habitat designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=D02D

California Tiger Salamander Ambystoma californiense

MANAGED BY Sacramento Fish And Wildlife Office CRITICALHABITAT There is **final** critical habitat designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=D01T

Birds

Yellow-billed Cuckoo Coccyzus americanus

MANAGED BY Sacramento Fish And Wildlife Office CRITICALHABITAT There is **proposed** critical habitat designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B06R

Threatened

Threatened

Threatened

Crustaceans Vernal Pool Fairy Shrimp Branchinecta lynchi Threatened **MANAGED BY** Sacramento Fish And Wildlife Office CRITICALHABITAT There is **final** critical habitat designated for this species. https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=K03G Vernal Pool Tadpole Shrimp Lepidurus packardi Endangered MANAGED BY Sacramento Fish And Wildlife Office CRITICALHABITAT There is **final** critical habitat designated for this species. https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=K048 **Fishes** Delta Smelt Hypomesus transpacificus **Threatened MANAGED BY** Sacramento Fish And Wildlife Office CRITICALHABITAT There is final critical habitat designated for this species. https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=E070 Steelhead Oncorhynchus (=Salmo) mykiss Threatened MANAGED BY Sacramento Fish And Wildlife Office CRITICALHABITAT There is **final** critical habitat designated for this species. https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=E08D **Flowering Plants** Large-flowered Fiddleneck Amsinckia grandiflora Endangered

MANAGED BY Sacramento Fish And Wildlife Office CRITICALHABITAT There is **final** critical habitat designated for this species.

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=Q1SU

IPaC Information for Planning and Conservation

Version 2.2.7

Insects	
San Bruno Elfin Butterfly Callophrys mossii bayensis	Endangered
MANAGED BY	
Sacramento Fish And Wildlife Office	
CRITICALHABITAT No critical habitat has been designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=I00Q	
Valley Elderberry Longhorn Beetle Desmocerus californicus dimorphus	Threatened
MANAGED BY	
Sacramento Fish And Wildlife Office	
CRITICALHABITAT There is final critical habitat designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=I01L	
Mammals	
Riparian Brush Rabbit Sylvilagus bachmani riparius	Endangered
MANAGED BY Sacramento Fish And Wildlife Office	
CRITICALHABITAT	
No critical habitat has been designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=A0DN	
Riparian Woodrat (=san Joaquin Valley) Neotoma fuscipes riparia	Endangered
MANAGED BY	
Sacramento Fish And Wildlife Office	
CRITICALHABITAT No critical habitat has been designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=A0FC	
San Joaquin Kit Fox Vulpes macrotis mutica	Endangered
MANAGED BY Sacramento Fish And Wildlife Office	
CRITICALHABITAT	
No critical habitat has been designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=A006	
Reptiles	
Giant Garter Snake Thamnophis gigas	Threatened
MANAGED BY	
Sacramento Fish And Wildlife Office	
CRITICALHABITAT No critical habitat has been designated for this species.	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=C057	

Critical Habitats

Potential effects to critical habitat(s) within the project area must be analyzed along with the endangered species themselves.

Delta Smelt Critical Habitat Final designated

https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=E070#crithab

Migratory Birds

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Bald Eagle Haliaeetus leucocephalus	Bird of conservation concern
Year-round	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B008	
Black Rail Laterallus jamaicensis	Bird of conservation concern
Season: Breeding	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B09A	
Burrowing Owl Athene cunicularia	Bird of conservation concern
Year-round	
California Spotted Owl Strix occidentalis occidentalis	Bird of conservation concern
Year-round	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B08L	
Costa's Hummingbird Calypte costae	Bird of conservation concern
Season: Breeding	
Fox Sparrow Passerella iliaca	Bird of conservation concern
Season: Wintering	
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Season: Breeding	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0J8	
Least Bittern Ixobrychus exilis	Bird of conservation concern
Season: Breeding	
Lesser Yellowlegs Tringa flavipes	Bird of conservation concern
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Season: Wintering	
Loggerhead Shrike Lanius Iudovicianus	Bird of conservation concern
Year-round	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0FY	
Long-billed Curlew Numenius americanus	Bird of conservation concern
Season: Wintering	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B06S	
Marbled Godwit Limosa fedoa	Bird of conservation concern
Season: Wintering	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0JL	

Mountain Plover Charadrius montanus Season: Wintering https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B078	Bird of conservation concern
Nuttall's Woodpecker Picoides nuttallii	Bird of conservation concern
Year-round	
Oak Titmouse Baeolophus inornatus Year-round	Bird of conservation concern
Peregrine Falcon Falco peregrinus	Bird of conservation concern
Year-round	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0FU	
Short-billed Dowitcher Limnodromus griseus	Bird of conservation concern
Season: Wintering	
Short-eared Owl Asio flammeus	Bird of conservation concern
Season: Wintering	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0HD	
Swainson's Hawk Buteo swainsoni	Bird of conservation concern
Seasons: Wintering, Breeding	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B070	
Tricolored Blackbird Agelaius tricolor	Bird of conservation concern
Year-round	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B06P	
Yellow-billed Magpie Pica nuttalli	Bird of conservation concern
Year-round	
https://ecos.fws.gov/speciesProfile/profile/speciesProfile.action?spcode=B0N8	

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Freshwater Emergent Wetland PEMFx PEMCh PEMAx PEMCx	13.4 acres 3.02 acres 0.781 acre 0.585 acre
Freshwater Forested/shrub Wetland PFOCh PFO/EMCh	4.96 acres 3.45 acres
Freshwater Pond PUBFx PUBHx	21.8 acres 1.1 acres

PABFx

0.276 acre

Other	
PUSCx	4.9 acres
PUSCh	1.53 acres