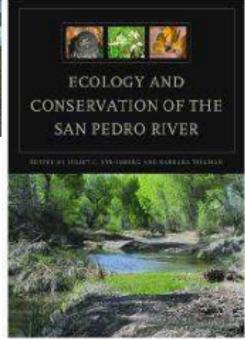
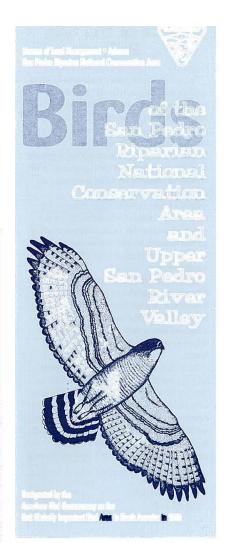


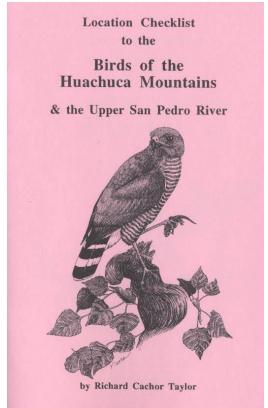
SAN PEDRO RIVER

A DISCOVERY CUIDE

ROTERAL PROPERTY (IAMSO)

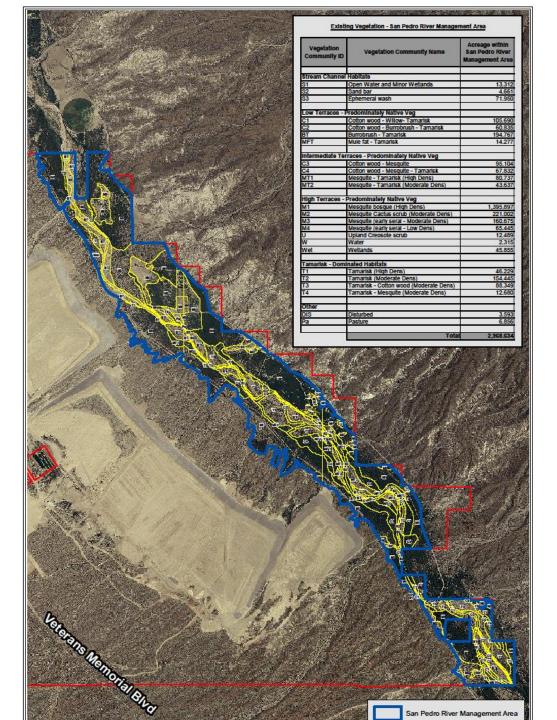




















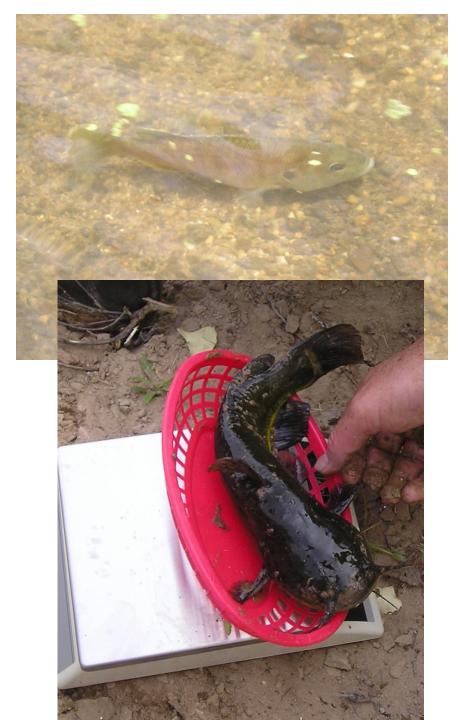




REPTILES AND AMPHIBIANS CAPTURED DURING SURVEYS

Common Name	Scientific Name	Native/Non- Native	Location
Amphibians			
American bullfrog	(Rana catesbeiana)	Non-Native	River, Farm Pond
Lowland leopard frog	(Rana yavapaiensis)	Native	River, Farm Pond
Woodhouse's Toad	(Bufo woodhousii)	Native	River, Farm Pond
Reptiles			
Ornate tree lizard	(Urosaurus ornatus)	Native	Uplands adjacent to river
Western whiptail	(Aspidoscelis tigris)	Native	Uplands adjacent to river
Western diamondback rattlesnake	(Crotalus atrox)	Native	Uplands adjacent to river
Variable sandsnake	(Chilomeniscus stramineus)	Native	Upland desert habitat
California kingsnake	(Lampropeltis getulus californiae)	Native	Adjacent to river
Sonoran gophersnake	(Pituophis catenifer affinis)	Native	Along road
Checkered gartersnake	(Thamnophis marcianus)	Native	Uplands
Sonora mud turtle	(Kinosternon sonoriense)	Native	River and farm pond
Spiny softshell	(Apalone spinifera)	Non-Native	River











































NATIVE AND NON-NATIVE FISH SPECIES DOCUMENTED IN THE SAN PEDRO RIVER MAIN STEM FROM BEFORE 1840 THROUGH 2005

s	opecies	Earliest Specimen Record or Probable Occurrence Due to Later Records	Most Recent Specimen Record
Native Taxa			
Colorado pikeminnow	(Ptychocheilus Lucius)	Pre-1840	Pre-1840
Razorback sucker	(Xyrauchen texanus)	Pre-1840	1841-1860
Flannelmouth sucker	(Catostomus latipinnis)	Pre-1840	1841-1860
Gila chub	(Gila intermedia)	Pre-1840	1901-1920
Desert pupfish	(Cyprinodon macularius)	Pre-1840	1941-1960
Speckled dace	(Rhinichthys osculus)	Pre-1840	1961-1980
Roundtail chub	(Gila robusta)	Pre-1840	1961-1980
Loach minnow	(Tiaroga cobitis)	Pre-1840	1961-1980
Spikedace	(Meda fulgida)	Pre-1840	1961-1980
Gila topminnow	(Poeciliopsis occidentalis)	Pre-1840	1941-1960
Sonora sucker	(Catostomas insignis)	Pre-1840	2001-2005
Longfin dace	(Agosia chrysogaster)	Pre-1840	2001-2005
Desert sucker	(Pantosteus clarki)	Pre-1840	2001-2005
Non-Native Taxa			
Common carp	(Cyprinus carpio)	1881-1900	2001–2005
Black bulihead	(Ameiurus melas)	1921-1940	2001-2005
Green sunfish	(Lepomis cyanellus)	1921-1940	2001-2005
Western mosquitofish	(Gambusia affinis)	1941-1960	2001-2005
Rainbow trout	(Oncorhynchus mykiss)	1961-1980	1961-1980
Goldfish	(Carassius auratus)	1961-1980	2001-2005
Fathead minnow	(Pimephales promelas)	1961-1980	2001-2005
Yellow bullhead	(Amerius natalis)	1961-1980	2001-2005
Channel catfish	(Ictalurus punctatus)	1961-1980	2001-2005
Bluegill	Lepomis macrochirus)	1961-1980	1981-2000
Largemouth bass	(Micropterus salmoides)	1961-1980	2001-2005
Brook trout	(Salvelinus fontinalis)	1961-1980	1961-1980
Threadfin shad	(Dorosoma petenense)	1961-1980	1961-1980
Red shiner	(Cyprinella lutrensis)	1981-2000	2001–2005
Redear sunfish	(Lepomis microlophus)	1981-2000	1981-2000































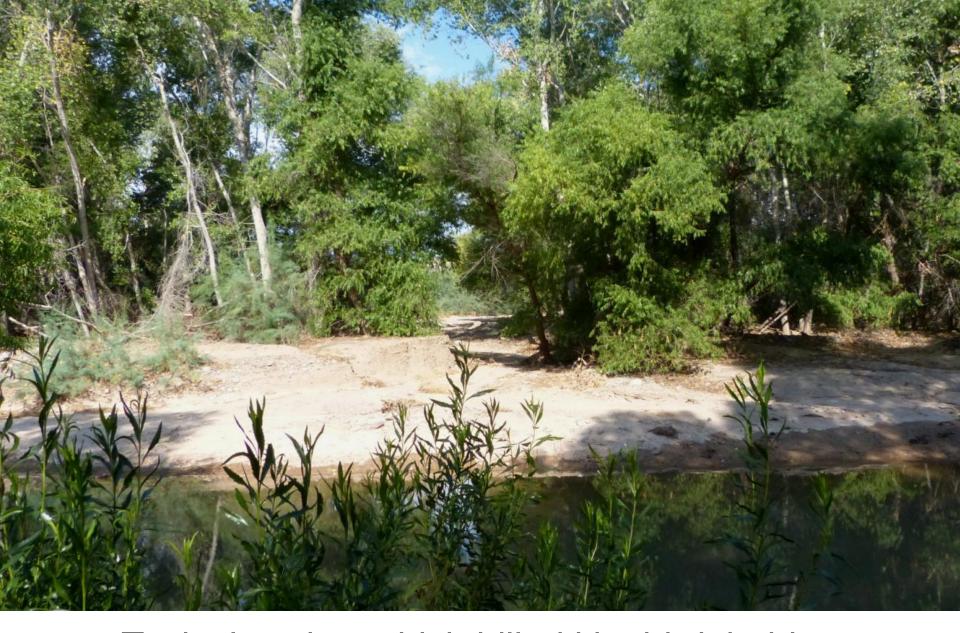


NATIVE AND NON-NATIVE FISH SPECIES DOCUMENTED IN THE SAN PEDRO RIVER MAIN STEM FROM BEFORE 1840 THROUGH 2005

S	Species	Earliest Specimen Record or Probable Occurrence Due to Later Records	Most Recent Specimen Record
Native Taxa			
Colorado pikeminnow	(Ptychocheilus Lucius)	Pre-1840	Pre-1840
Razorback sucker	(Xyrauchen texanus)	Pre-1840	1841-1860
Flannelmouth sucker	(Catostomus latipinnis)	Pre-1840	1841-1860
Gila chub	(Gila intermedia)	Pre-1840	1901-1920
Desert pupfish	(Cyprinodon macularius)	Pre-1840	1941-1960
Speckled dace	(Rhinichthys osculus)	Pre-1840	1961-1980
Roundtail chub	(Gila robusta)	Pre-1840	1961-1980
Loach minnow	(Tiaroga cobitis)	Pre-1840	1961-1980
Spikedace	(Meda fulgida)	Pre-1840	1961-1980
Gila topminnow	(Poeciliopsis occidentalis)	Pre-1840	1941-1960
Sonora sucker	(Catostomas insignis)	Pre-1840	2001-2005
Longfin dace	(Agosia chrysogaster)	Pre-1840	2001-2005
Desert sucker	(Pantosteus clarki)	Pre-1840	2001-2005
Non-Native Taxa			
Common carp	(Cyprinus carpio)	1881-1900	2001–2005
Black bullhead	(Ameiurus melas)	1921-1940	2001-2005
Green sunfish	(Lepomis cyanellus)	1921-1940	2001-2005
Western mosquitofish	(Gambusia affinis)	1941-1960	2001-2005
Rainbow trout	(Oncorhynchus mykiss)	1961-1980	1961-1980
Goldfish	(Carassius auratus)	1961-1980	2001-2005
Fathead minnow	(Pimephales promelas)	1961-1980	2001-2005
Yellow bullhead	(Amerius natalis)	1961-1980	2001-2005
Channel catfish	(Ictalurus punctatus)	1961-1980	2001-2005
Bluegill	Lepomis macrochirus)	1961-1980	1981-2000
Largemouth bass	(Micropterus salmoides)	1961-1980	2001-2005
Brook trout	(Salvelinus fontinalis)	1961-1980	1961-1980
Threadfin shad	(Dorosoma petenense)	1961-1980	1961-1980
Red shiner	(Cyprinella lutrensis)	1981-2000	2001-2005
Redear sunfish	(Lepomis microlophus)	1981-2000	1981-2000







Typical cuckoo, thick-billed kingbird, habitat in young cottonwoods

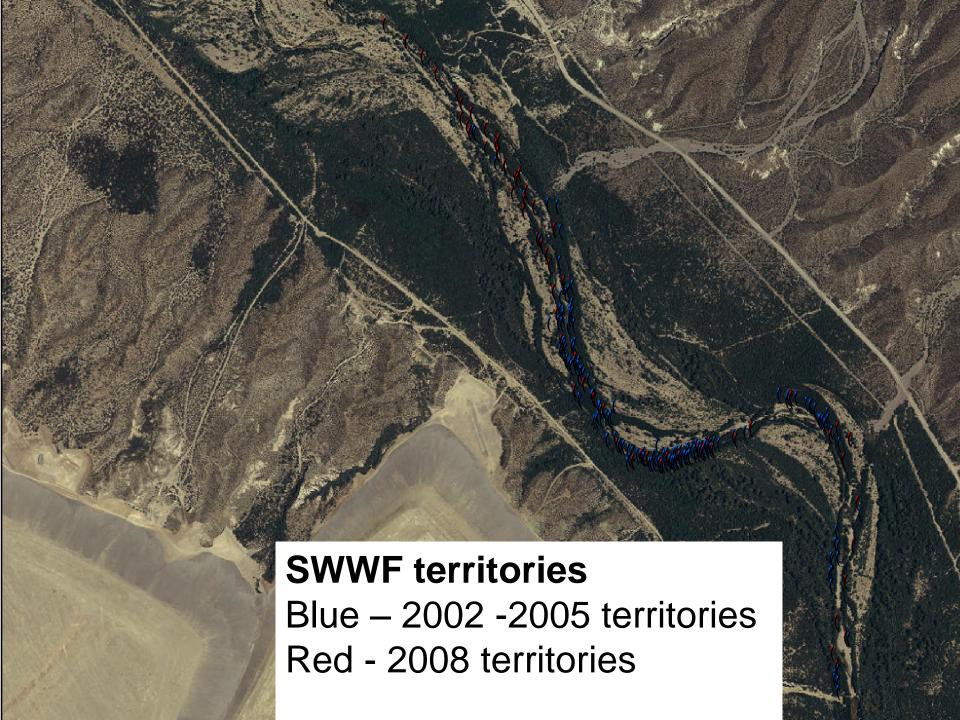


10 breeding territories of Yellow-billed cuckoo





72 pair of Southwestern willow flycatcher,
158 individual birds





Grey Hawk

Black Hawk

Zone-tailed Hawk

Coopers Hawk

Mississippi Kite

Swainson's Hawk

Kestrel

Red-tailed Hawk

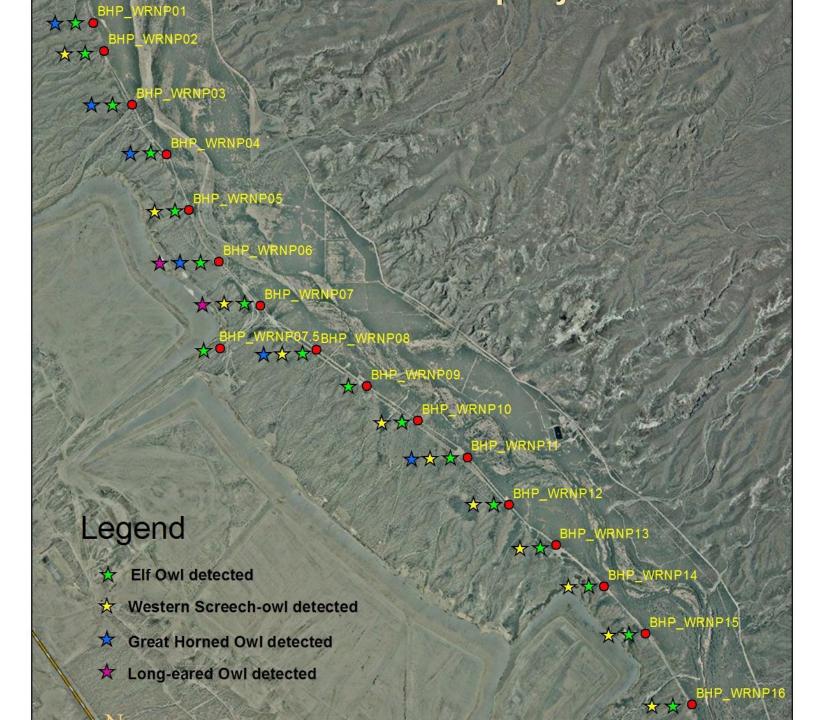
Golden Eagle

Prairie Falcon

Peregrine Falcon



















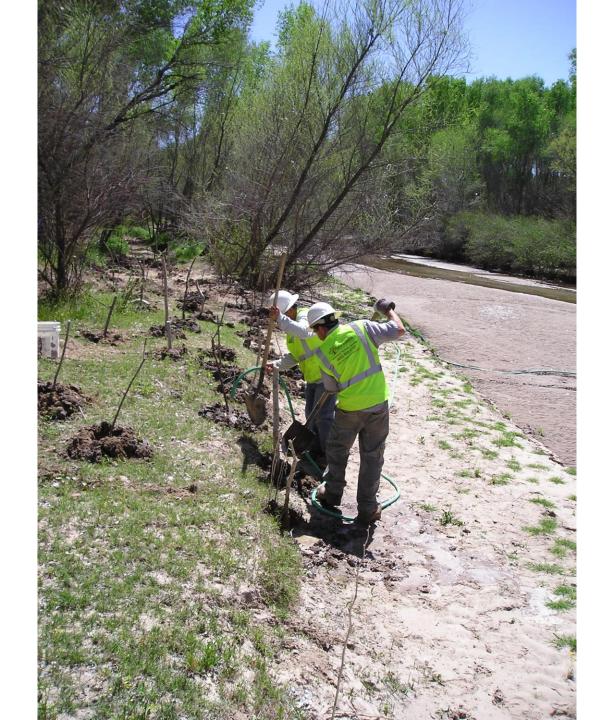












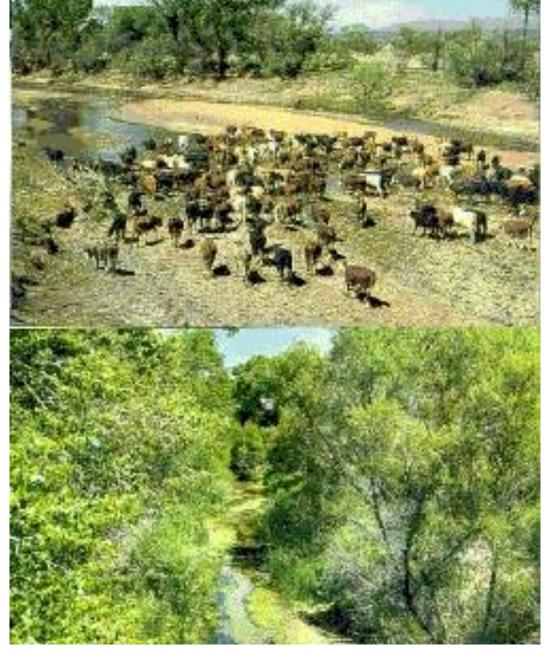












Cattle grazing along the San Pedro River in Arizona in 1984 (top). Cattle were removed from this site in 1988; by 1998, much of the riparian vegetation was restored (bottom).



























