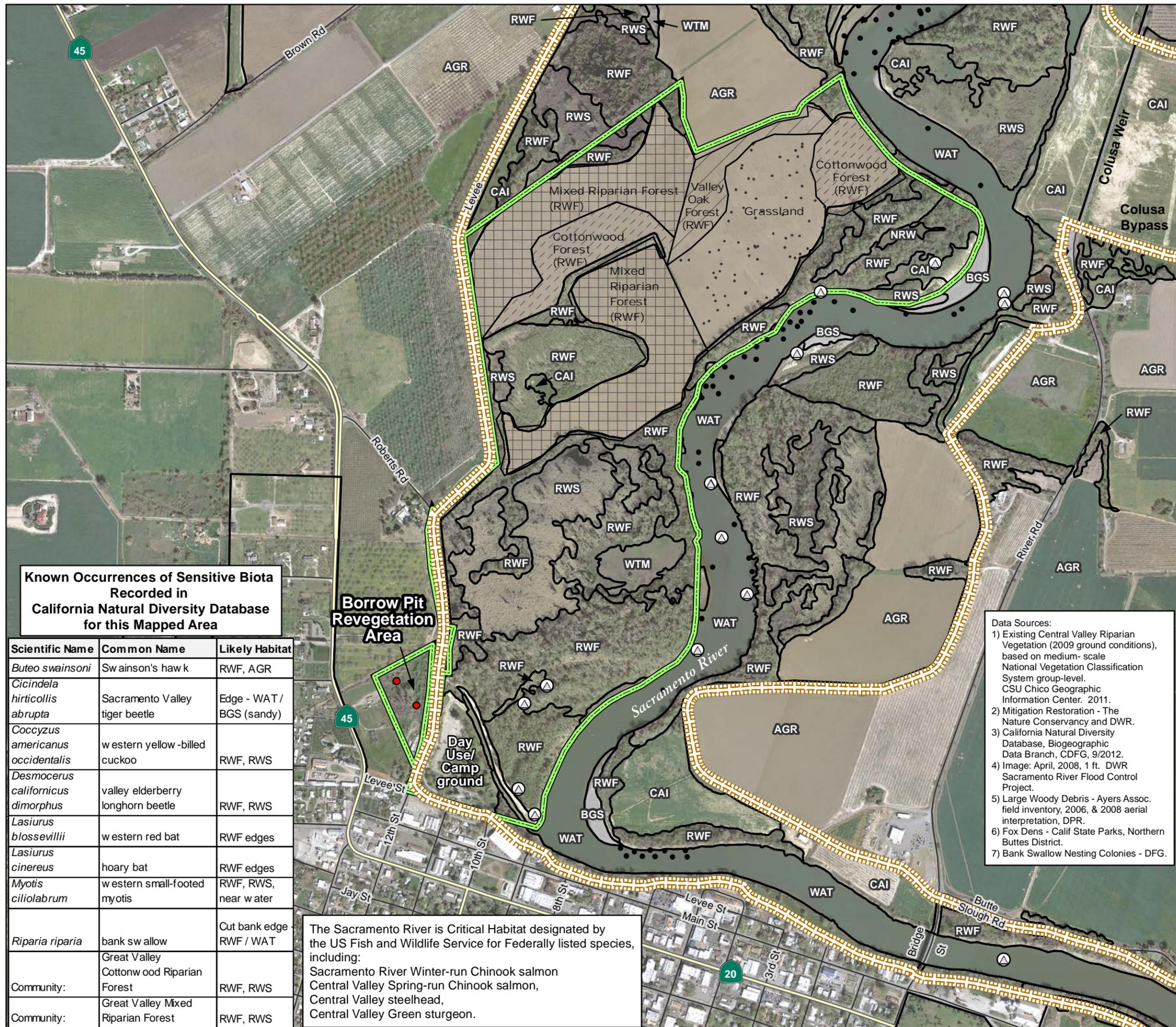


COLUSA - SACRAMENTO RIVER STATE RECREATION AREA DRAFT GENERAL PLAN HABITAT AND WILDLIFE



Known Occurrences of Sensitive Biota Recorded in California Natural Diversity Database for this Mapped Area

Scientific Name	Common Name	Likely Habitat
<i>Buteo swainsoni</i>	Swainson's hawk	RWF, AGR
<i>Cicindela hirticollis abrupta</i>	Sacramento Valley tiger beetle	Edge - WAT / BGS (sandy)
<i>Coccyzus americanus occidentalis</i>	western yellow-billed cuckoo	RWF, RWS
<i>Desmocerus californicus dimorphus</i>	valley elderberry longhorn beetle	RWF, RWS
<i>Lasiurus blossevillii</i>	western red bat	RWF edges
<i>Lasiurus cinereus</i>	hoary bat	RWF edges
<i>Myotis ciliolabrum</i>	western small-footed myotis	RWF, RWS, near water
<i>Riparia riparia</i>	bank swallow	Cut bank edge RWF / WAT
Community:	Great Valley Cottonwood Riparian Forest	RWF, RWS
Community:	Great Valley Mixed Riparian Forest	RWF, RWS

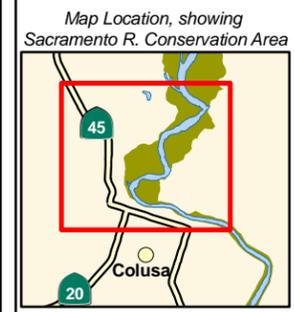
The Sacramento River is Critical Habitat designated by the US Fish and Wildlife Service for Federally listed species, including:
 Sacramento River Winter-run Chinook salmon
 Central Valley Spring-run Chinook salmon,
 Central Valley steelhead,
 Central Valley Green sturgeon.

Data Sources:
 1) Existing Central Valley Riparian Vegetation (2009 ground conditions), based on medium-scale National Vegetation Classification System group-level. CSU Chico Geographic Information Center. 2011.
 2) Mitigation Restoration - The Nature Conservancy and DWR.
 3) California Natural Diversity Database, Biogeographic Data Branch, CDFG, 9/2012.
 4) Image: April, 2008, 1 ft. DWR Sacramento River Flood Control Project.
 5) Large Woody Debris - Ayers Assoc. field inventory, 2006, & 2008 aerial interpretation, DPR.
 6) Fox Dens - Calif State Parks, Northern Buttes District.
 7) Bank Swallow Nesting Colonies - DFG.

Central Valley Medium Scale Vegetation (2009) with sample wildlife species

- AGR** Agriculture: foraging area for Swainson's hawk.
- BGS** Barren / Gravel / Sand: river gravel beds are foraging areas for shorebirds such as spotted sandpipers.
- CAI** California Naturalized Annual Perennial Grassland: foraging habitat for hawks, falcons, and grazing animals.
- NRW** Naturalized Riparian Wetland:
- RWF** Riparian Woodland Forest: nesting habitat for yellow billed cuckoo, Swainson's hawk, passerines. Habitat for seasonal migrants. Habitat for valley elderberry, and valley elderberry longhorn beetle. Cover for grazing mammals, predators, bats. Provides shade, root and woody debris elements of Shaded Riverine Aquatic habitat at river edge, essential for emigrating salmonids.
- RWS** Riparian Wash Scrub: nesting habitat for willow flycatcher, other nesting and migrating passerines.
- WAT** Water: the Sacramento River provides a migration corridor and nursery habitat for anadromous fish; salmon, steelhead, Sacramento splittail, striped bass, and sturgeon. Foraging habitat for bald eagles & osprey. Edge along cut banks provides nesting habitat for bank swallows.
- WTM** Warm Temperate Marsh: Nesting habitat for Tri-colored blackbirds, Common Yellowthroat. Wintering and migration habitat for water fowl, shorebirds.

- #### Mitigation Restoration Types to be Established:
- Grassland
 - Mixed Riparian Forest
 - Valley Oak Forest
 - Cottonwood Forest
 - Fox Dens
 - Bank Swallow Nesting Colonies
 - Levees
 - State Park Boundaries
 - Large Woody Debris in River



Note: Vegetation boundaries are based on attributes in addition to labeled map unit, such as tree height, and composition of vegetation life forms: tree, shrub, herb. Therefore boundaries might separate two units with the same map labels.

NOTES:
 Parcel boundaries are approximate and should not be considered legal descriptions. Maps are intended for study purposes only.

PLANNING DIVISION ----- GENERAL PLAN SECTION	Date 2/1/2013	
	Calif. Dept. of Parks & Recreation DRAFT	