

California State Wildlife Action Plan (SWAP) 2015

**Great Valley Region
 Riparian Habitat**

About Our Region and Riparian Habitat Riparian habitat is found along rivers and streams across the state forming green belts along the running watercourses. Riparian habitat is home for many species providing water, food, escape, and nesting areas. Some species spend their entire life within the habitat (riparian endemic species), while some are frequent visitors from the adjacent lands and some are yet from distance migrating from across the borders.

What are the sensitive species found in the riparian habitat? The following 43 riparian dependent species from this region are found to be sensitive:

Invertebrate [1]

VALLEY ELDERBERRY LONGHORN BEETLE

Amphibian [4]

CALIFORNIA GIANT SALAMANDER
 COMMON ENSATINA

FOOTHILL YELLOW-LEGGED FROG
 RED-LEGGED FROG

Reptile [5]

GIANT GARTER SNAKE
 GOPHER SNAKE
 RINGNECK SNAKE

WESTERN POND TURTLE
 WESTERN SKINK

Bird [20]

BALD EAGLE
 BANK SWALLOW
 BEWICK'S WREN
 BLACK-CROWNED NIGHT HERON
 CALIFORNIA QUAIL
 COMMON YELLOWTHROAT
 GOLDEN EAGLE
 GREAT BLUE HERON
 GREAT EGRET
 GREATER WHITE-FRONT

HUTTON'S VIREO
 LONG-EARED OWL
 OSPREY
 SONG SPARROW
 SPOTTED TOWHEE
 SWAINSON'S HAWK
 TRICOLORED BLACKBIRD
 YELLOW BILLED CUCKOO
 YELLOW-BREASTED CHAT
 YELLOW WARBLER

Mammal [13]

BROAD-FOOTED MOLE
 DEER MOUSE
 FRINGED MYOTIS
 LONG-EARED MYOTIS
 MOUNTAIN LION

NORTHERN RIVER OTTER
 PORCUPINE
 RINGTAIL WESTERN MASTIFF BAT
 RIPARIAN BRUSH RABBIT
 RIPARIAN WOODRAT

WESTERN SMALL- FOOTED MYOTIS
WESTERN SPOTTED SKUNK

YUMA MYOTIS

What do we find important for recovering and sustaining healthy riparian habitat? Ecological conditions that are found to be most critical to sustain healthy riparian habitat in this region are:

- Area and extent
- Connectivity
- Hydrological regime
- Surface Water Flow Regime
- Soil/ sediment erosion deposition regime

Degraded ecological conditions that are found to be impacting the riparian habitat in this region are:

- Changes in spatial extent of the riparian habitat
- Habitat fragmentation
- Changes in biotic interactions (altered community dynamics)
- Changes in successional processes and ecosystem development
- Changes in functional processes of ecosystem
- Change in annual average temperatures
- Changes in precipitation
- Change in snow pack
- Change in snow cover period
- Change in water temperature
- Changes in runoff and river flow
- Changes in water levels and hydro-period
- Changes in flood occurrence, frequency, intensity, and area flooded
- Changes in sediment erosion and deposition regime
- Changes in soil chemistry
- Increase in water and soil pollutant amount and concentration
- Changes in natural fire regime
- Changes in extreme events

Human related activities and issues that are found to be sources of potential impacts to the riparian habitat are:

- Roads & railroads
- Housing & urban areas
- Utility & Service Lines
- Livestock farming & ranching
- Invasive plant & animal species
- Dams & water Management and uses
- Annual & Perennial Non-Timber Crops
- Recreational activities

More questions?

1. Come talk to us and ask questions at scoping meetings!
2. Check our Website: <http://www.dfg.ca.gov/SWAP/>
3. Provide written comments

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