

Species**Prescription for Species Goal**

Species with "R" Goal (continued)

Valley elderberry
longhorn beetle
(*Desmocerus*
californicus
dimorphus)

Maintain and restore connectivity among riparian habitats occupied by the valley elderberry longhorn beetle and within its historic range along the Sacramento and San Joaquin rivers and their major tributaries.

Lange's metalmark
butterfly (*Apodemia*
mormo langei)

Continue protection of and expand the size of the Antioch Dunes population of the Lange's metalmark butterfly; enhance and restore suitable habitat at and in the vicinity of the Antioch Dunes; and achieve recovery goals identified in the USFWS recovery plan.

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

Reduce the risk of current and imminent threats to maintaining the current distribution and existing populations of soft bird's-beak and reestablish and maintain viable populations throughout its historic range.

Suisun thistle
(*Cirsium hydrophilum*
var. *hydrophilum*)

Protect and maintain all extant occurrences, establish 10 new populations and increase overall population size ten-fold.

Antioch Dunes
evening-primrose
(*Oenothera deltoides*
ssp. *howellii*) and
Contra Costa
wallflower
(*Erysimum capitatum*
ssp. *angustatum*)

Continue protection of and expand the size of the Antioch Dunes populations; enhance and restore suitable habitat at and in the vicinity of the Antioch Dunes; and achieve recovery goals identified in the USFWS recovery plan.

Mason's lilaeopsis
(*Lilaeopsis masonii*)
and Suisun Marsh
aster (*Aster lentus*)

Expand suitable habitat by 100 linear miles and protect at least 90% of the currently occupied habitat including 90% of high quality habitat, including occurrences in the North, South and East Delta and Napa River Ecological Management Units.

Suisun ornate shrew
(*Sorex ornatus*
sinuosus), San Pablo
song sparrow
(*Melospiza melodia*
samuelis), and Suisun
song sparrow
(*Melospiza melodia*
maxillaris)

Reduce the risk of current and imminent threats to maintaining the current distribution and existing populations of the Suisun ornate shrew, San Pablo song sparrow, and Suisun song sparrow and reestablish and maintain viable species' populations throughout their historic range within the ERP focus study area.

Species with "r" Goal

Riparian brush rabbit
(*Sylvilagus bachmani*
riparius)

Protect the Caswell Memorial State Park population; protect, enhance, and expand the species' Caswell Memorial State Park population; and restore four additional self-sustaining populations in the Delta and along the San Joaquin River by 2020. (USFWS 1998b)

Salt marsh harvest
mouse
(*Reithrodontomys*
raviventris)

Reduce the risk of current and imminent threats to maintaining the current distribution and existing populations of the salt marsh harvest mouse and reestablish and maintain viable species' populations throughout its historic range in the portion of the Bay Region within the ERP focus area.

San Joaquin Valley
woodrat (*Neotoma*
fuscipes riparia)

Protect the Caswell Memorial State Park population; protect, enhance, and expand the species' Caswell Memorial State Park population; and improve habitat connectivity and genetic interchange among isolated populations (USFWS 1998b).

San Pablo California vole (*Microtus californicus sanpabloensis*)

Reduce the risk of current and imminent threats to maintaining the current distribution and existing populations of the San Pablo California vole and reestablish and maintain viable species' populations throughout its historic range in the portion of the Bay Region within the ERP focus study area and the Delta Region.

Bank swallow (*Riparia riparia*)

Allow reaches of the Sacramento River and its tributaries that are unconfined by flood control structures (i.e., bank revetment and levees) to continue to meander freely, thereby creating suitable bank nesting substrates through the process of bank erosion.
