

**Table 8-6: Summary of requested potential take/habitat loss for Riparian, Stream and Freshwater Marsh Natural Community and associated Covered Species**

Natural Community/ Species	Maximum Potential Take/Habitat Loss Summary			Conservation Summary		
	Urban Development (Zone 1)	Irrigation and Flood Control Operations and Maintenance (Zone 2)	Zone 3 Preserve Management and Implementation	Existing Conservation	Conservation under the Solano HCP	Total Anticipated Conservation
<b>Riparian, Stream and Freshwater Marsh</b>	Only minor direct impacts are anticipated, as a result, of road projects, utility crossings, high flow flood control and by pass channels and storm water outfalls (no greater than 10 percent (or 500 feet per mile) of stream.	Temporary impact related to construction, operation, and maintenance of the approximately 400 miles of flood control and irrigation channels.	Management activities on preserves and implementation of restoration procedures	330 acres of riparian habitat are within existing preserves in the County and 163 acres falls within General Plan designated open space.	Preserve and restore a minimum of 50 acres of riparian habitat and likely more.	15% of the riparian habitat would be within preserve lands.
<b>Invertebrate Species</b>	<b>Urban Development and Irrigation and Flood Control Operations and Maintenance Activities (Zones 1 and 2)</b>		<b>Preserve Management and Implementation (Zone 3)</b>	<b>Conservation Summary</b>		
Valley elderberry longhorn beetle	Removal of a maximum of 100 elderberry bushes per year for zone 1 and 2 covered activities. An unlimited amount of trimming of elderberry trees for operations and maintenance activities.		Removal of 10 elderberry bushes per year for restoration activities.	Increase the available habitat for the valley elderberry longhorn beetle within the riparian areas of Alamo, Ulatis and Putah creeks by replacing impacted elderberry plants at a minimum ratio of 5:1.		

<b>Bird Species</b>	<b>Maximum Potential Take/Habitat Loss Summary</b>	<b>Conservation Summary</b>
Tri-colored blackbird	No direct take of tricolored blackbird or disruption of nesting colonies is authorized under the Solano HCP. Covered activities will result in the loss and modification of an unknown quantity of potential breeding and foraging habitat.	<p>Establish a minimum of 28 acres of new, suitable nesting habitat for tricolored blackbird within agricultural reserves established for Swainson’s Hawk foraging and nesting habitat mitigation.</p> <p>Loss of foraging habitat will be offset by the establishment of new, secure habitats in valley and vernal pool grassland, upland, and agricultural (e.g., Swainson’s hawk) reserves.</p>
<b>Fish Species</b>	<b>Maximum Potential Take/Habitat Loss Summary</b>	<b>Conservation Summary</b>
Steelhead (Central Coast ESU and Central Valley ESU) and	No net loss of habitat although construction would be allowed along 2 miles of watercourse per year throughout the Zone 1 areas. Loss of habitat from bridge crossings or outfall structures would be estimated at no greater than 10 percent (or 500 feet per mile of stream) of a stream as it becomes surrounded by urban development.	Remove all existing in-stream barriers within Plan Participant’s rights-of-way along important steelhead streams and mitigate for the loss of habitat by protecting and enhancing existing stream habitats at a 4:1 ratio or at a 2:1 ratio if new in-kind habitats are constructed or restored.
Chinook salmon (fall run)	The take of chinook entails no net loss of habitat although construction would be allowed along two miles of watercourse per year throughout the Zone 1 areas. Loss of habitat from bridge crossings or outfall structures would be estimated at no greater than 10 percent (or 500 feet per mile of stream) of a stream as it becomes surrounded by urban development.	Remove all existing in-stream barriers within Plan Participant’s rights-of-way along important steelhead streams and mitigate for the loss of habitat by protecting and enhancing existing stream habitats at a 4:1 ratio or at a 2:1 ratio if new in-kind habitats are constructed or restored.

\* Column applicable to natural communities only.