Site 1. Large Woody Material Structures at two locations.

Downstream structure location looking upstream

This photo shows the existing car bodies to be removed and vertical eroded banks. Proposed actions at this location include the removal of car bodies and installation of an engineered large woody material structure to reform the bank, enhance the existing pool by concentrating scour around the proposed structure, and provide cover and habitat complexity throughout the bend.

Upstream structures location looking upstream from diversion

This photo was taken from the existing diversion location which would be removed as part of the consolidation (CC-44 Phase II). Proposed actions at this site includes placement of a bleed through engineered large woody material structure at the upstream end. Four flow deflector structures would be installed downstream of the bleed through structure providing habitat complexity during high flows when the side channel is activated.

Upstream structures location looking at washed out diversion

This photo shows the original fish screen structure that was washed out at an existing diversion that would be removed as part of the consolidation (CC-44 Phase II). Concrete fish screen structure has since been removed.

Site 2. Large Woody Material Structures at two locations.

Downstream Structures Location looking upstream from Hwy 203

Proposed actions include the installation of three log jams to promote deposition along the left bar, concentrate scour and flow along the right bank to enhance the existing pool, and provide cover and habitat complexity throughout the area.

Upstream Structures Location looking upstream from Hwy 203

Proposed actions include placement of a flow through log jam at the upstream end of the meander, and 5 flow deflector jams at the downstream end, providing habitat complexity in the side channel. In addition, 4 sweeper logs will provide more complexity and aid in reducing erosion during high flow events.

Site 3. Large Woody Material Structures on right bank.

Looking upstream from existing corrals

This photo shows bank erosion in the vicinity of existing corrals. Proposed actions include installation of a wood material structure along the right bank to reduce near bank velocities, provide cover, and create habitat complexity.

Looking downstream toward existing corrals

This photo shows bank erosion in the vicinity of existing corrals. Proposed actions include installation of a wood material structure along the right bank to reduce near bank velocities, provide cover, and create habitat complexity.

Site 4. Large Woody Material Structures on right bank and Habitat Boulder Placement around existing bridge.

Looking Upstream Toward Existing Bridge

This photo shows bank erosion downstream of the existing bridge. This area includes a portion of right bank that has seen recent erosion immediately upstream and downstream of an existing bridge crossing.

Looking Downstream From Existing Bridge

This photo shows bank erosion downstream of the existing bridge. The placement of wood along this bank will create diversity in velocity distribution across the channel section and provide an area for juvenile refuge within the main channel. The wood placement will also protect the banks from further erosion and aid in creating/maintaining a pool underneath the existing bridge.

Site 5. Large Woody Material Structures on right bank and Habitat Boulders.

Looking Downstream From Pump Intake Site

This photo shows bank erosion in the vicinity of the existing pump intake. This area includes the immediate area around the landowner's irrigation pump intake. Large wood material placement along this bank will create diversity in velocity distribution across the channel section and provide an area for juvenile refuge within the main channel. The wood placement will also protect the banks from further erosion and aid in creating/maintaining a pool for the irrigation pump intake.

Looking Upstream at Pump Intake Site

This photo shows bank erosion on the right bank downstream of the pump intake activating fine sediment into the channel. Protecting this bank with large wood material creates diversity in velocity and provides cover for juvenile refuge while aiding in creating/maintaining a pool for the irrigation pump intake.