

CC-37 Stream and Fish Habitat Restoration Completion Photos

BPA Project # 1992-026-01

Contract # 58036



Photo 1. Vertical banks and car body “bank stabilization” pre-construction.



Photo 2. Vertical banks, pre-construction.



Photo 3. Southside location of upper side channel, pre-construction.



Photo 4. Completed upper side channel with entrance rock sill for sediment and flow control.

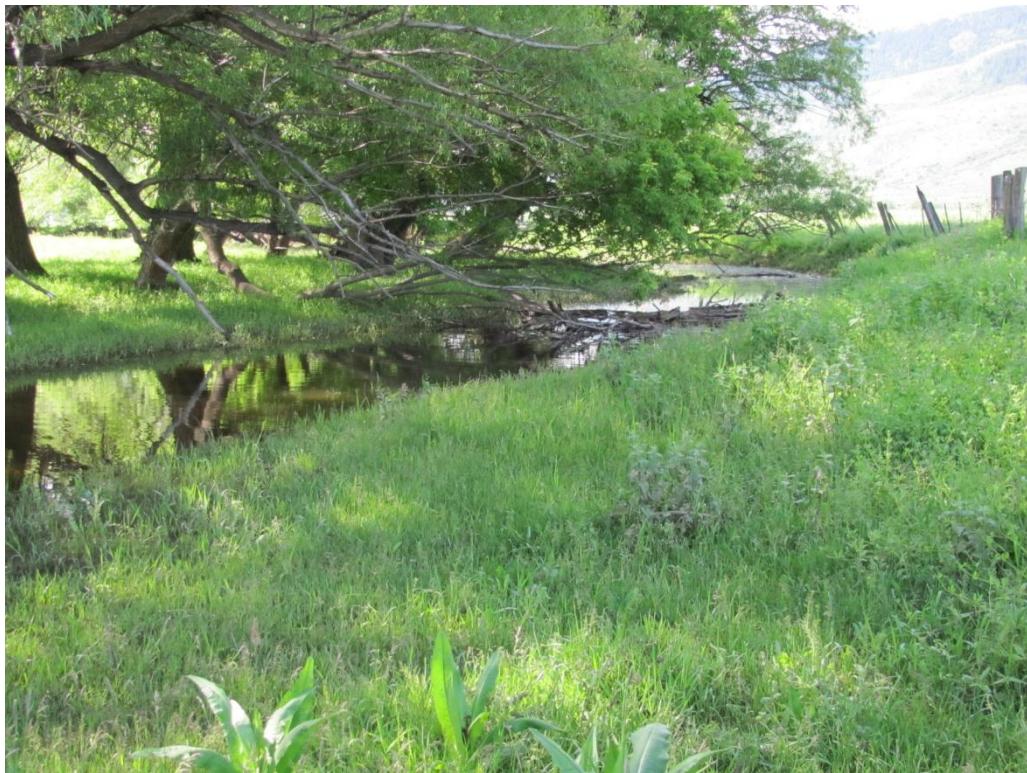


Photo 5. Location of disconnected old meander, pre-construction.



Photo 6. Excavation of new meander.



Photo 7. Upstream end of new meander. Excavated and re-sloped (3:1) vertical banks and widened floodplain. In-stream boulders, large wood structures, racking materials, and sedge mat placement. Banks were re-seeded, mulched, and planted with whips, container plants, and protected with panel pods.



Photo 8. Downstream end of new meander. Excavated and re-sloped (3:1) vertical banks and widened floodplain. In-stream boulders, large wood structures, racking materials, and sedge mat placement. Banks were re-seeded, mulched, and planted with whips, container plants, and protected with panel pods.



Photo 9. Typical large wood structure and racking material placement throughout project area.



Photo 10. New meander. Excavated and re-sloped (3:1) vertical banks and widened floodplain. Large wood structures and racking materials placement. Banks were re-seeded, mulched, and planted with whips, container plants, and protected with panel pods.



Photo 11. Excavated and re-sloped (3:1) vertical banks and widened floodplain. In-stream boulders, large wood structures, racking materials, and sedge mat placement. Banks were re-seeded, mulched, and planted with whips, container plants and protected with panel pods.



Photo 12. New meander. Excavated and re-sloped (3:1) vertical banks and widened floodplain. Large wood structures and racking materials placement. Banks were mulched, re-seeded, and planted with whips, container plants and protected with panel pods.



Photo 13. Vertical Banks prior to construction re-sloping and setback.



Photo 14. Excavated and re-sloped (3:1) vertical banks and widened floodplain. Large wood structures, racking materials, and sedge mat placement. Banks were mulched, re-seeded, and planted with whips, container plants, and protected with panel pods.



Photo 15. Eroded banks, mid-project, prior to construction.



Photo 16. Excavated and re-sloped (3:1) vertical banks and widened floodplain. Large wood structures, racking materials, and sedge mat placement. Banks were mulched, re-seeded, and planted with whips, container plants, and protected with panel pods.



Photo 17. High water alcove with erosion control blanket, re-seeded, mulched, re-planted with whips, container plants, and protected with panel pods.



Photo 18. High water alcove with erosion control blanket, re-seeded, mulched, re-planted with whips, container plants, and protected with panel pods.



07/31/2012

Photo 19. Excavated spoils material placed on pasture.



Photo 20. Completed excavated soils material leveled, mulched, and re-seeded on pasture.



Photo 21. Temporary bridge crossing for construction equipment, protecting valuable fish habitat and passage.



Photo 22. Completed hardened water crossing.



Photo 23. 15 year exclosure fencing protecting wetland area.



Photo 24. 15 year exclosure fencing protecting wetland area.

Catherine Creek Mile 37 GRMW, Union Soil Water Conservation District contract 58036

