

Attachment 2

Deadwood Fish Passage Improvement Project Photo Log



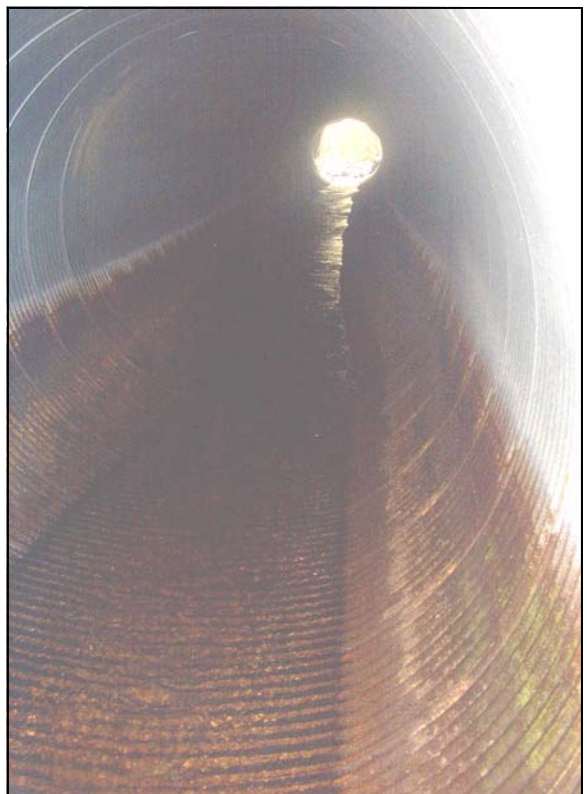
Above: Pre-project view of outlet pool looking downstream

Below: Pre-project view looking downstream into culvert



Above: Post Project view of outlet pool looking upstream into the culvert

Below: Pre-project view looking upstream into the culvert





Above: Looking upstream toward the culvert outlet prior to Phase 1 and 2 work

Below: Prior to Phase 2 (installation of the overflow pipes and rock slope protection) an oil absorbing boom was placed downstream of the work site to catch any oil or fuel spills in the event of an accident





Above: 4-foot diameter overflow culverts installed (rock slope protection is on the road awaiting placement—Phase 2)

Below: Rock slope protection placed at the overflow culvert outlets





Above: Side view of overflow culvert outlets without rock slope protection (Phase 2)

Below: Same view of overflow culvert outlets with rock slope protection and revegetation





Above: Outlet fillslope of 4-foot diameter HDPE overflow culverts without rock slope Protection (Phase 2)

Below: Outlet fillslope of 4-foot diameter HDPE overflow culverts with RSP





Above: Rock Slope protection and road surface prior to placement and resurfacing

Below: View of overflow pipes and rock slope protection (Phase 2)





Utilizing a stud gun to weld bolts to the inner walls of the culvert in order to suspend the diversion pipe and hang lighting and cordage from above (Phase 3)

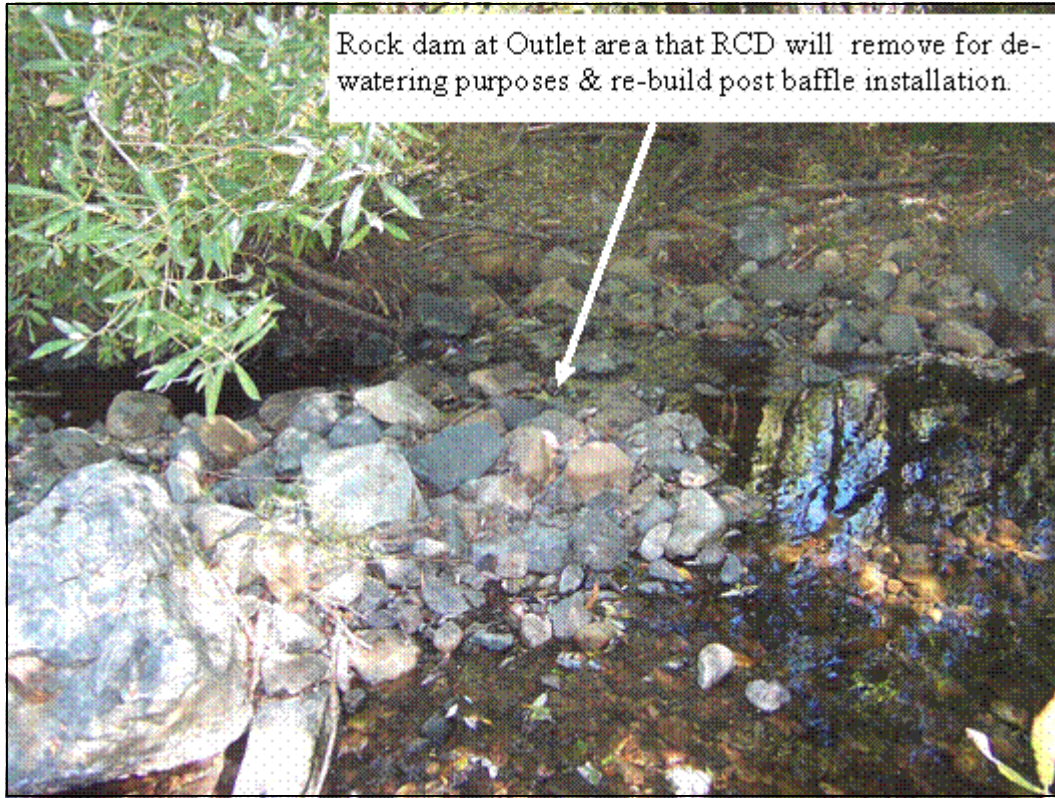




Above: Cofferdam & 15"-inch diversion pipe set approximately 40-feet upstream of the culvert inlet

Below: Diversion pipes extending from cofferdam to culvert inlet





Outlet area rock weir and roughened riffle channel extending from outlet down to confluence with the Trinity River





Above & Below: Rebar and baffles set, welded and tied within the culvert bottom. At the Inlet and Outlet, rebar was wrapped on to the outside edges of the culvert and concrete was poured over these edges to create a tight seal (note frame board below)





Above: One baffle set in the concrete—view looking upstream from culvert outlet

Below: Looking downstream through the culvert at the six baffles set in concrete





Upper Left: Low flows around and over a baffle after installation.

Lower Left: View of outlet after baffle installation and diversion removal. The outlet pool control will be restored to backwater the culvert inlet at lower flows.

Lower Right: Looking downstream through culvert after baffle installation

On November 16, 2005, a spawning survey(Christine Jordan and USFS) observed 16 adult Chinook and coho salmon upstream of the culvert.

