

OWEB Board Tour

Hosted by

Douglas SWCD and Partnership for the Umpqua Rivers

Site 1: Ben Branch Creek culvert replacements (2)

(1:30 pm)

OWEB Fish Passage 2005 #205-163 - \$369,848 (7 culvert replacements total)

- Lower Culvert:
 - Landowner: Gary Brownson
 - Contractor: Seneca Jones TC road crew
 - Installation cost: \$23,800
 - Old pipe: 48" diameter corrugated metal pipe (CMP)
 - New pipe: 128"x83"x48 foot aluminized arch pipe
- Upper Culvert:
 - Landowner: Seneca Jones TC
 - Contractor: Seneca Jones TC road crew
 - Installation Cost: \$33,300
 - Old pipe: 48"x50 foot CMP
 - New pipe: 8 foot open bottom arch with aluminum footing shoes

Stop 2: South Myrtle Ditch and Dam Removal

(2:15 pm)

OWEB #99-303 - \$45,800

- 8 landowners
- 2.5 CFS to 2 ½ mile-long flood irrigation ditch
- 14-foot high wood and steel dam on a concrete apron constructed in 1965 with funding from the Soil Conservation Service (now NRCS)
- Project to remove dam and ditch started in 1999 with landowner at the dam site, Mike Danielle, who was paid to be the project manager
- Took over one year for certified water right examiner to map out and straighten out water rights and to push applications through WRD
- Dam apron was removed, allowing total fish passage
- Electric pumps installed at 8 sites downstream
- Required extensive road boring under county road
- Main lines, hand lines and sprinkler heads purchased with various grant funds
- Total project grant funding was \$192,400 from 7 agencies and organizations
- Landowner contributions, mostly labor, amounted to \$39,400

Stop 3: Weaver Creek Stream Restoration

(3:00 pm)

OWEB Small Grant #07-04-004 - \$10,000

- Landowners: Joe and Margene Clyde
- 50 logs were placed @ 9 sites in September 2005
- Summer 2006 project work: 2,000 feet of riparian fence w/two gates; two off-channel stock water tanks and two hardened crossings

- Landowner contribution (labor): \$12,600
- Other grant funding from Derby and Roseburg District BLM
- Total project cost: \$78,800 (includes log placement on BLM-managed lands upstream)

Stop 4: Lee Creek Culvert Replacement

(3:45 pm)

OWEB Fish Passage – 2003 #204-103 \$ 121,388 (5 culvert replacements total)

- Landowners: Bill and Clem Rice
- County replaced culvert on N. Myrtle road in 2003
- Watershed council replaced a culvert with a bridge on private land in 2004
- Roseburg District BLM replaced two culverts between the county and private culverts in 2005
- 5 miles of anadromous fish habitat was opened for coho and winter steelhead
- Funding for this project was OWEB \$ 15,400; USFWS \$26,100; and Derby \$1,500

Ben Branch Culvert Replacements (2)



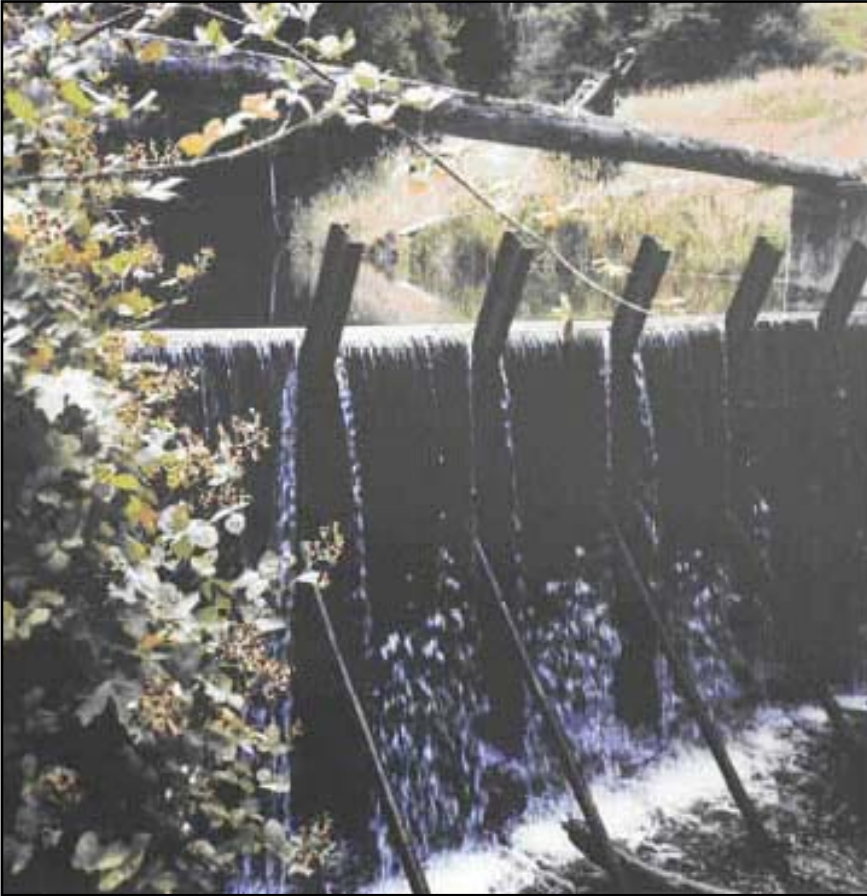
Top: This pre-project photo of the Seneca Jones TC culvert on Ben Branch Creek shows the seven-foot outfall that blocked all fish passage.

Center: Same site as above during high flows after a new, larger culvert was installed. This pipe arch has two-foot wide aluminum feet welded to each side. These feet were covered with concrete slurry and then backfilled with soil and rip rap. Fish can now pass through this culvert which was placed at the stream gradient.



Bottom: This culvert, located on Gary Brownson's property, is shown during the December 2005 flood. Seneca Jones TC road crew installed this pipe and the one pictured above. With a BLM pipe replacement between these two, fish now have access to the entire length of Ben Branch Creek, a tributary to S. Myrtle Cr.

South Myrtle Ditch & Dam Removal



Left: Fourteen-foot high dam filled a 2 ½ mile long gravity flow irrigation ditch. This was replaced with sprinkler irrigation to retain water instream for fish. This project involved seven landowners.



*Right:
Landowner,
Mike
Danielle at
site of the
dam after it
was removed.*

Weaver Creek Stream Restoration

Top: Weaver Creek is a tributary to S. Myrtle Creek. This project is a combination of log placement, fencing, stock water development and construction of two hardened livestock crossings. The log placement was completed in the summer of 2005.



Center: The landowner, Joe Clyde, wanted to do something to improve the fish habitat on his property. Numerous logs were placed under the direction of ODFW biologists. These photos were taken during the December 2005 flood

Bottom: Aside from slowing water velocity, the logs re-direct water onto the flood plain where salmon and trout can get out of the raging torrent. This refuge for fish is lacking in many streams in the Umpqua Basin.



Lee Creek Culvert Replacement



Top: Pre-project view of Lee Creek culverts on Bill and Clem Rice's property. These twin pipes were undersized, rusting out, and were too high in the road bed to allow fish passage.

Center: The council purchased the Morse Bros. bridge with Derby and other grant funding. The Seneca Jones TC road crew installed the bridge in four days.



Bottom: The landowners, Bill & Clem Rice are on the right in the photo. The BLM replaced three other major culverts on Lee Creek as a collaborative effort. Salmon now have unfettered access to over three miles of good fish habitat.