

PROJECT COMPLETION REPORT
LEE CREEK CULVERT REPLACEMENT
OWEB Project: Fish Passage 2003 - UBWC # 204-103



Figure 1
Old culverts on Lee Creek. Note three-foot drop at outlet.



Figure 2
Completed project with Morse Bros. Bridge and Hilfiker walls

Prepared by
Bob Kinyon
Umpqua Basin Watershed Council
November 8, 2004

Lee Creek Culvert Replacement

OWEB Project: Fish Passage 2003 - UBWC # 204-103

BACKGROUND

Landowner(s):

Bill and Clementine Rice
P.O. Box 695
Myrtle Creek, OR 97457
Contact: Bill Rice
541-863-6932

Contractor:

Seneca Jones TC
P.O. Box 2129
Roseburg, OR 97470
Contact: Bill Moore
541-673-0084

Project Location:

T28S, R4W, Section 22

SCOPING

Bill Rice, an alternate on the UBWC board of directors, brought this culvert to the Council's attention after he and Don Ollivant, another UBWC director, toured Lee Creek and wrote a two-page report on all the fish passage culverts they came across. This 2002 report found that three major ones were on BLM ownership and the fourth was on Bill's property.

This crossing had two 5-foot culverts placed side by side. During high flow events the culvert capacity was exceeded and flow overtopped the road. The old culverts were both perched, undersized and created a barrier to fish passage.

FISHERY

Fish passage was limited due to several culvert barriers. This project, coupled with the BLM culvert replacements, will open up 1-½ miles of fish habitat on this important stream for coastal coho, winter steelhead and cutthroat trout.

FISCAL

Agency/Organization:

Oregon Watershed Enhancement Board
775 Summer St. NE
Suite 360
Salem, OR 97301-1290

Program:

Watershed Management Grant
Contact: Mark Grenbemer, Region 2 Rep.
Phone: 541-471-2886 Fax: 541-471-2876

Grant Number: 204-103

Dates:

Amount Obligated: \$ 25,322

Award:

August 13, 2003

Completion:

September 15, 2003

Budget:

OWEB funds: *Note: Funding earmarked for this culvert project is in italic numbers.*

	<u>Budget</u>	<u>Actual</u>
• Project Coordinator	\$ 850	\$ 850.00
• French Creek	49,871	43,516.25
• Bachelor Creek	21,395	37,670.63
• <i>Lee Creek</i>	<i>25,322</i>	<i>15,401.12</i>
• Rattlesnake Creek	5,000	5,000.00
• Fortune Branch	5,000	5,000.00
• Project Outreach	1,300	1,450.00
• Production/mailling/permits	150	0.00
• Administration	9,000	9,000.00
• Monitoring	<u>3,500</u>	<u>3,500</u>
Total OWEB Funds	\$ 121,388	\$ 121,388.00

Other Contributions - Funding:

• USFWS (Jobs in the Woods)	\$ <i>26,053</i>
• Umpqua Fisheries Enhancement Derby	<i>1,500</i>

Other Contributions – Inkind Labor:

• Bill Rice, Landowner	<u>\$ <i>250</i></u>
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Total Other Contributions	<u>\$ 27,803</u>
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Total Project Cost	\$ 43,204
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PROJECT DESCRIPTION

The bridge is made of six concrete components, two pre-cast footings and four 4-foot wide slabs. Three tie-rods hold the slabs together to make a 16 foot completed width. The bridge is 24 feet long.

The pre-stressed concrete bridge was purchased from Morse Bros., Harrisburg OR for \$15,850. Stream bank stabilization was accomplished by the addition of Hilfiker wire walls that cost \$5,720. The Seneca Jones TC road crew completed construction in four working days in August 2003 for \$15,439. An additional \$1,703 was spent on additional riprap that was added by the same crew in May of 2004.

A pipe-arch culvert was considered for this site, but the engineering estimate found that the Morse Bros. bridge was less expensive and provided a larger opening at the crossing.

Drawings and certificates of compliance from Morse Bros., Porior Engineering and The Hilfiker Company are available at the UBWC office.

PERMITS/AGREEMENTS

This project was covered under the Roseburg BLM EA#OR 105-02-05, dated June 26, 2003. Bill Rice signed a landowner agreement (WRA-FPL-061603 on September 4, 2003. DSL Permit # 26515 was dated February 5, 2003.

MONITORING

ODFW will conduct presence/absence surveys annually above and below the Bachelor Creek culvert for five years. The UBWC staff will monitor the project implementation annually for five years, using established photo points.



Figure 3
Hilfiker wall on west approach of bridge.