



Brownsprings Creek Restoration E-K-401

District, County and State: *Chiloquin RD, Klamath Co., Oregon*

Contractor: *Mr. John Kronenberger*

Contract #: *2004-IA-11060200-077*

Title II Dollars \$ 90,000 = *total Title II dollars for this project*

\$ 3,876 = used for USFWS administration

\$ 86,124 = actual amount used for the project work

All funds were used for the project (see attached budget)

Partnership Dollars: *In-Kind \$29,100*

Federal Appropriated Dollars: *U.S. Fish & Wildlife Service \$42,900*

Workers Employed: *12*

Total Local workers: *9*

Total Worker Days: *272*

Total Local Worker Days: *138*

Accomplishment: *a. acres of wetland/riparian/upland habitat enhanced (20)*

b. miles of stream restored (8)

c. structures installed (squash pipes and culverts)(4)

How was this project completed? *A backhoe, skidster, front end loader, and dump truck were used to construct a mile of new creek channel to bypass ponds and barriers. Two step pools were constructed in stream with boulders, rocks and gravel. Logs and limbs were tied into the channel banks for fish habitat. Gravel was placed in the stream for spawning habitat. 26 volunteers planted 2,000 willows and aspen seedlings along the stream. A perimeter fence was installed along the project site to exclude livestock. The landowner enrolled Brownsprings Creek in a FSA CREP easement.*

Monitoring: how will this be tracked?

Juvenile and adult fish surveys will be conducted during spawning season and larval surveys will be conducted in spring and summer by USFWS and ODFW yearly for five years. USGS will be flying over the area during spawning season to survey for radio- marked fish. USFWS has scheduled the following monitoring activities.

Temperature loggers will be placed in the system to determine changes in temperature resulting from the project. Cross-sections will be done every two years in four locations along the creek. Macro-invertebrates will be collected in 2006 and 2010.

Photo points will be repeated every year for five years to evaluate the riparian planting.

For further information contact:

Faye Weekley

U.S. Fish and Wildlife Service

6610 Washburn Way

Klamath Falls, Oregon 97603

541-885-2503

faye_weekley@fws.gov



Brownsprings Construction



Brownsprings Step pool



Brownsprings before

Brownsprings After

(Proponent will send Picture after flight)

	2003 USFWS Agreemnt	2003 USFWS Mod 1	2003 USFWS Mod 2	2003 USFWS Mod 3	2004 RAC Agreemnt	Other In-kind	Landowner In-kind	Total
Workforce, Personnel Equipment/Operator								
Mobilization							475	475
Fuel					2,472			2472
Equipment/Operator				15,000	56,261		500	71,761
Survey/Oversight				5,000	14,470			19,470
Operating Expenses	6,400							6,400
Permits	4,029	471						4,500
Fence Labor			4,000				2,500	6,500
Planting Labor					4,000		2,500	6,500
Monitoring	4,000							4,000
						Workforce	Subtotal	122,078
Materials								
Fence			4,000				3,000	7,000
Trees					770	7,500	4,000	12,270
Rock					2,642		6,125	8,767
Visquine					1,156			1,156
Logs							2,000	3,000
Spin Kit					85			85
Culverts					1,845			1,845
Squash Pipe					1,927		500	2,427
Tree Auger					496			496
						Materials	Subtotal	36,046
						Project Total		158,124
Total Funds	129,024	14,429	471	8,000	20,000	86,124		
Total In-kind	29,100						7,500	21,600
Project Total	158,124							