



Figure 67. LWD pieces #31-34 following first winter, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 68. pieces #31-34 following first winter, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 69. Shallow pool prior to installation of LWD pieces #35-41, West Fork McGarvey Creek, Lower Klamath River, California, 2007.



Figure 70. Shallow pool prior to installation of LWD pieces #35-41, West Fork McGarvey Creek, Lower Klamath River, California, 2007.



Figure 71. Shallow pool following installation of LWD pieces #35-41, West Fork McGarvey Creek, Lower Klamath River, California, 2007.



Figure 72. Shallow pool following installation of LWD pieces #35-41, West Fork McGarvey Creek, Lower Klamath River, California, 2007.



Figure 73. Shallow pool following installation of LWD pieces #35-41, West Fork McGarvey Creek, Lower Klamath River, California, 2007.



Figure 74. LWD pieces #35-41 following first winter, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 75. LWD pieces #35-41 following first winter, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 76. LWD pieces #35-41 following first winter, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 77. Shallow pool in lower end of project reach after installation of LWD pieces #42-45, West Fork McGarvey Creek, Lower Klamath River, California, 2007.



Figure 78. Shallow pool in lower end of project reach after installation of LWD pieces #42-45, West Fork McGarvey Creek, Lower Klamath River, California, 2007.



Figure 79. LWD pieces #42-45 following first winter, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 80. LWD pieces #42-45 following first winter, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 81. Shallow pool in lower end of project reach after installation of LWD pieces #46-47, West Fork McGarvey Creek, Lower Klamath River, California, 2007.



Figure 82. Shallow pool in lower end of project reach after installation of LWD pieces #46-47, West Fork McGarvey Creek, Lower Klamath River, California, 2007.



Figure 83. LWD pieces #46-47 following first winter, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 84. LWD pieces #46-47 following first winter, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 85. LWD pieces #46-47 following first winter, West Fork McGarvey Creek, Lower Klamath River, California, 2008.

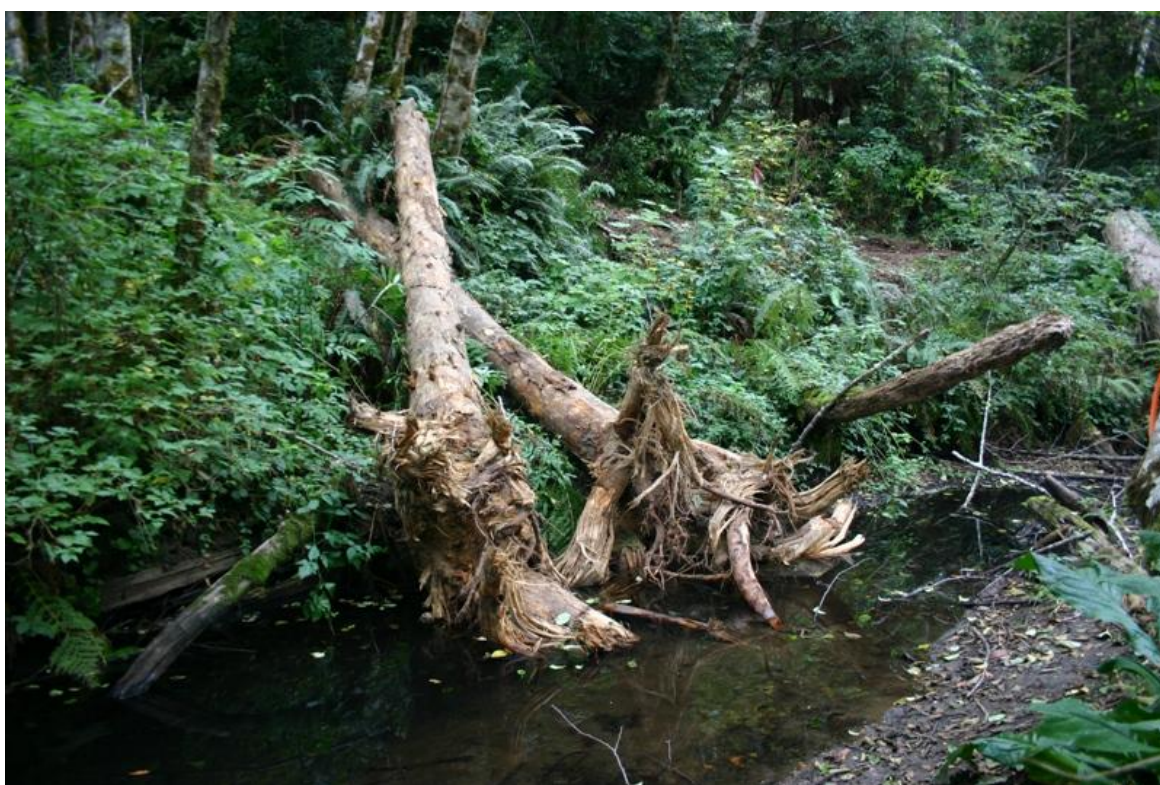


Figure 86. Shallow pool in lower end of project reach after installation of LWD pieces #48-49, West Fork McGarvey Creek, Lower Klamath River, California, 2007.



Figure 87. Shallow pool in lower end of project reach after installation of LWD pieces #48-49, West Fork McGarvey Creek, Lower Klamath River, California, 2007.



Figure 88. LWD pieces #48-49 following first winter, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 89. LWD pieces #48-49 following first winter, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 90. Shallow pool in lower end of project reach after installation of LWD piece #50, West Fork McGarvey Creek, Lower Klamath River, California, 2007.



Figure 91. LWD piece #50 following first winter, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 92. West Fork confluence pool after installation of LWD pieces #51-61, McGarvey Creek, Lower Klamath River, California, 2007.



Figure 93. West Fork confluence pool after installation of LWD pieces #51-61, McGarvey Creek, Lower Klamath River, California, 2007.



Figure 94. LWD pieces #51-61 following first winter, West Fork McGarvey Creek confluence pool, Lower Klamath River, California, 2008.



Figure 95. LWD pieces #51-61 following first winter, West Fork McGarvey Creek confluence pool, Lower Klamath River, California, 2008.



Figure 96. LWD pieces #51-61 following first winter, West Fork McGarvey Creek confluence pool, Lower Klamath River, California, 2008.



Figure 97. Sequentially numbered tree tag (right) and survey pin (left) installed in a piece of placed LWD, West Fork McGarvey Creek, Lower Klamath River, California, 2007.



Figure 98. Five-gallon potted conifer trees stockpiled at West Fork confluence pool for planting in project area, McGarvey Creek, Lower Klamath River, California, 2008.



Figure 99. YTFP staff transporting five-gallon potted conifer trees to upper project area for planting, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 100. Conifer trees planted throughout floodplain, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 101. Conifer trees planted throughout floodplain, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 102. Conifer trees planted throughout floodplain, West Fork McGarvey Creek, Lower Klamath River, California, 2008..



Figure 103. Coastal redwood (right) and Sitka spruce tree (left) planted on floodplain, West Fork McGarvey Creek, Lower Klamath River, California, 2008.



Figure 104. Sitka spruce tree planted on floodplain, West Fork McGarvey Creek, Lower Klamath River, California, 2008.

**ACTUAL BUDGET**  
**Instream Restoration of Lower West Fork McGarvey Creek Project Budget**  
**CDFG Fisheries Restoration Grant Program - Grant Agreement #P0510331**  
**USFWS Partners for Fish and Wildlife Program - Grant Agreement #813316J172**  
**BIA Watershed Restoration Program - FY 2006 Funding**

			<b>Amount Expended</b>			<b>YTFP</b>	<b>Project</b>
			<b>CDFG</b>	<b>USFWS</b>	<b>BIA</b>	<b>Cost Share</b>	<b>Total</b>
<b><u>Personnel Services Costs</u></b>							
<b><u>Level of Staff</u></b>	<b><u>Number of</u></b>	<b><u>Hourly</u></b>					
	<b><u>Hours</u></b>	<b><u>Rate</u></b>					
Senior Fisheries Biologist	120	\$29.00	\$0.00	\$0.00	\$0.00	\$3,480.00	\$3,480.00
Fisheries Biologist II			\$0.00	\$1,383.48	\$4,173.40	\$0.00	\$5,556.88
Fisheries Biologist I	40	\$16.35	\$654.23	\$0.00	\$4,390.88	\$0.00	\$5,045.11
Fisheries Technician III	340	\$14.44	\$4,910.00	\$3,754.93	\$0.00	\$0.00	\$8,664.93
Fisheries Technician II	670	\$11.21	\$7,511.12	\$4,654.60	\$5,896.09	\$0.00	\$18,061.81
Fisheries Technician I	345	\$9.62	\$3,318.49	\$2,116.20	\$0.00	\$0.00	\$5,434.69
Staff Benefits			\$3,939.49	\$3,186.79	\$3,700.51	\$1,148.40	\$11,975.19
<b>Total Personal Services Costs</b>			<b>\$20,333.33</b>	<b>\$15,096.00</b>	<b>\$18,160.88</b>	<b>\$4,628.40</b>	<b>\$58,218.61</b>
<b><u>Operating Expenses</u></b>							
Subcontractor							
Lowboy Hauling			\$405.00	\$0.00	\$775.50	\$0.00	\$1,180.50
End-Dump Log Hauling			\$0.00	\$0.00	\$2,707.50	\$0.00	\$2,707.50
Excavator Lease			\$5,100.00	\$1,700.00	\$0.00	\$0.00	\$6,800.00
Registered Geologist/Restoration Specialist			\$6,630.00	\$1,365.00	\$0.00	\$0.00	\$7,995.00
<b><u>Materials and Supplies</u></b>							
Project/Field Supplies			\$3,072.71	\$0.00	\$1,824.34	\$0.00	\$4,897.05
Conifer Planting Supplies (hoedads, treebags)			\$0.00	\$0.00	\$1,143.56	\$0.00	\$1,143.56
Tree Nursery Supplies			\$2,360.14	\$0.00	\$0.00	\$0.00	\$2,360.14
Safety Equipment (chaps, gloves, cyc/car protection, first aid, fire safety)			\$0.00	\$0.00	\$0.00	\$1,500.00	\$1,500.00
Heavy Equipment Fuel			\$208.20	\$0.00	\$0.00	\$1,000.00	\$1,208.20
Front-end Loader (4 weeks @ 1,500/week)			\$0.00	\$0.00	\$0.00	\$6,000.00	\$6,000.00
5-yard Dump Truck (4 weeks @ \$800/week)			\$0.00	\$0.00	\$0.00	\$3,200.00	\$3,200.00
Heavy Equipment Maintenance & Repair			\$977.60	\$0.00	\$1,022.03	\$0.00	\$1,999.63
GPS Unit (10 days @ \$50/day)			\$0.00	\$0.00	\$0.00	\$500.00	\$500.00
Nikon Total Station Level (20 days @ \$100/day)			\$0.00	\$0.00	\$0.00	\$2,000.00	\$2,000.00
Chainsaws (4 weeks @ \$120/week)			\$0.00	\$0.00	\$0.00	\$480.00	\$480.00
5-Gallon Conifer Trees (382 trees @ \$5.00 per tree)			\$0.00	\$0.00	\$0.00	\$1,910.00	\$1,910.00
5-Gallon Deciduous Trees (23 trees @ \$3.00 per tree)			\$0.00	\$0.00	\$0.00	\$115.00	\$115.00
Bareroot Redwood & Sitka Spruce Trees			\$0.00	\$828.98	\$891.02	\$0.00	\$1,720.00
Transportation (Vehicle fuel, maintenance, repairs)			\$0.00	\$24.00	\$15.53	\$2,000.00	\$2,039.53
<b>Total Operating Expenses</b>			<b>\$18,753.65</b>	<b>\$3,917.98</b>	<b>\$8,379.48</b>	<b>\$18,705.00</b>	<b>\$49,756.11</b>
Project Subtotal			\$39,086.98	\$19,013.98	\$26,540.36	\$23,333.40	\$107,974.72
CDFG Streambed Alteration Permit			\$750.00	\$0.00	\$0.00	\$0.00	\$750.00
Administrative Overhead @ 31.08% (thru 9/30/06) & 31.43% (thru 9/30/07)			\$8,834.02	\$5,715.02	\$8,301.48	\$7,333.69	\$30,184.21
<b>Total Estimated Budget</b>			<b>\$48,671.00</b>	<b>\$24,729.00</b>	<b>\$34,841.84</b>	<b>\$30,667.09</b>	<b>\$138,908.93</b>