Figure 78. Structures #10-11 following high winter flows, Mainstem McGarvey Creek, Lower Klamath River, California, January 2009.

Figure 79. Structures #10-11 following high winter flows, Mainstem McGarvey Creek, Lower Klamath River, California, March 2009.

Figure 80. Lateral scour pool in middle portion of reach prior to installation of structure #12, Mainstem McGarvey Creek, Lower Klamath River, California, February 2007.

Figure 81. Scour pool in middle portion of reach following installation of structure #12, Mainstem McGarvey Creek, Lower Klamath River, California, September 2008.

Figure 82. Scour pool in middle portion of reach following installation of structure #12, Mainstem McGarvey Creek, Lower Klamath River, California, September 2008.

Figure 83. Scour pool in middle portion of reach following installation of structure #12, Mainstem McGarvey Creek, Lower Klamath River, California, September 2008.

Figure 84. Scour pool in middle portion of reach following installation of structure #12, Mainstem McGarvey Creek, Lower Klamath River, California, October 2008.

Figure 85. Scour pool in middle portion of reach following installation of structure #12, Mainstem McGarvey Creek, Lower Klamath River, California, October 2008.

Figure 86. Structure #12 following winter high flows, Mainstem McGarvey Creek, Lower Klamath River, California, January 2009.

Figure 87. Shallow run in middle portion of reach following installation of structure #13, Mainstem McGarvey Creek, Lower Klamath River, California, October 2008.

Figure 88. Shallow run in middle portion of reach following installation of structure #13, Mainstem McGarvey Creek, Lower Klamath River, California, October 2008.

Figure 89. Structure #13 following high winter flows, Mainstem McGarvey Creek, Lower Klamath River, California, March 2009.

Figure 90. Lateral scour pool in lower portion of reach prior to installation of structure #14, Mainstem McGarvey Creek, Lower Klamath River, California, February 2007.

Figure 91. Lateral scour pool in lower portion of reach prior to installation of structure #14, Mainstem McGarvey Creek, Lower Klamath River, California, February 2007.

Figure 92. Lateral scour pool in lower portion of reach prior to installation of structure #14, Mainstem McGarvey Creek, Lower Klamath River, California, February 2007.

Figure 93. Scour pool in lower portion of reach following installation of structure #14, Mainstem McGarvey Creek, Lower Klamath River, California, October 2008.

Figure 94. Scour pool in lower portion of reach following installation of structure #14, Mainstem McGarvey Creek, Lower Klamath River, California, October 2008.

Figure 95. Structure #14 following winter high flows, Mainstem McGarvey Creek, Lower Klamath River, California, January 2009.

Figure 96. Structures #14-15 following winter high flows, Mainstem McGarvey Creek, Lower Klamath River, California, March 2009.

Figure 97. Shallow step-run prior to installation of structures #15-18, Mainstem McGarvey Creek, Lower Klamath River, California, February 2007.

Figure 98. Shallow step-run prior to installation of structures #15-18, Mainstem McGarvey Creek, Lower Klamath River, California, February 2007.

Figure 99. Scour pool habitat following installation of structures #15-18, Mainstem McGarvey Creek, Lower Klamath River, California, November 2008.

Figure 100. Scour pool habitat following installation of structure #15, Mainstem McGarvey Creek, Lower Klamath River, California, November 2008.

Figure 101. Scour pool habitat following installation of structure #15, Mainstem McGarvey Creek, Lower Klamath River, California, November 2008.

Figure 102. Scour pool habitat following installation of structure #16, Mainstem McGarvey Creek, Lower Klamath River, California, November 2008.

Figure 103. Shallow run habitat prior to installation of structure #17, Mainstem McGarvey Creek, Lower Klamath River, California, February 2007.

Figure 104. Scour pool habitat following installation of structure #17, Mainstem McGarvey Creek, Lower Klamath River, California, November 2008.

Figure 105. Scour pool habitat prior to installation of structure #19, Mainstem McGarvey Creek, Lower Klamath River, California, February 2007.

Figure 106. Scour pool habitat following installation of structure #19, Mainstem McGarvey Creek, Lower Klamath River, California, November 2008.

Figure 107. Scour pool habitat following installation of structure #19, Mainstem McGarvey Creek, Lower Klamath River, California, November 2008.

Figure 108. Structure #17 following high winter flows, Mainstem McGarvey Creek, Lower Klamath River, California, January 2009.

Figure 109. Structure #17 following high winter flows, Mainstem McGarvey Creek, Lower Klamath River, California, March 2009.

Figure 110. Structure #19 following high winter flows, Mainstem McGarvey Creek, Lower Klamath River, California, January 2009.

Figure 111. Structure #19 following high winter flows, Mainstem McGarvey Creek, Lower Klamath River, California, March 2009.

Figure 112. Lower end of LWD placement reach prior to installation of structure #20, Mainstem McGarvey Creek, Lower Klamath River, California, February 2007.

Figure 113. Lower end of LWD placement reach following installation of structure #20, Mainstem McGarvey Creek, Lower Klamath River, California, October 2008.

Figure 114. Structure #20 following high winter flows, Mainstem McGarvey Creek, Lower Klamath River, California, March 2009.

Figure 115. Structure #20 following high winter flows, Mainstem McGarvey Creek, Lower Klamath River, California, March 2009.

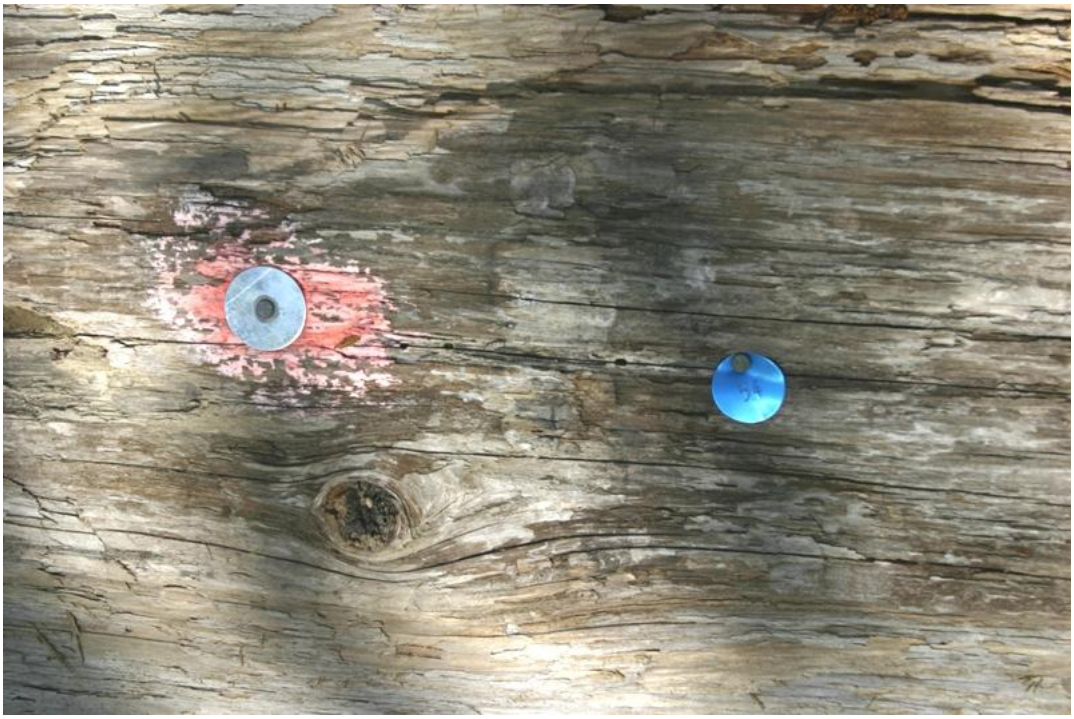

Figure 116. Sequentially numbered tree tag (right) and survey pin (left) installed in a piece of placed LWD, McGarvey Creek, Lower Klamath River, California, 2007.

Figure 117. YTFP crew member surveying LWD following placement, Mainstem McGarvey Creek, Lower Klamath River, California, October 2008.

Figure 118. YTFP crew member surveying LWD following placement, Mainstem McGarvey Creek, Lower Klamath River, California, October 2008.

Figure 119. YTFP crew members transporting conifer trees from YTFP tree nursery to project reach, Mainstem McGarvey Creek, Lower Klamath River, California 2008.

Figure 120. Conifer trees from TYFP tree nursery stockpiled at project site for planting, Mainstem McGarvey Creek, Lower Klamath River, California, October 2008.

Figure 121. YTFP crew members planting conifer trees in project site, Mainstem McGarvey Creek, Lower Klamath River, California, January 2009.

Figure 122. Conifer trees planted along decommissioned "Old M-10 Road" in project area, Mainstem McGarvey Creek, Lower Klamath River, California, January 2009.

ACTUAL BUDGET
Instream & Riparian Restoration of Mainstem McGarvey Creek (Phase 1) Project Budget
CDFG Fisheries Restoration Grant Program - Grant Agreement #P0610506
USFWS Partners for Fish and Wildlife Program - Grant Agreement #813317J219
BIA Watershed Restoration Program - FY 2006 Funding

			Amount Expended			YTFP	Project
			CDFG	USFWS	BIA	Cost Share	Total
Personnel Services Costs							
Level of Staff	**Number of Hours**	**Hourly Rate**					
Senior Fisheries Biologist	160	$31.48	$0.00	$0.00	$0.00	$5,036.80	$5,036.80
Fisheries Biologist II	50	$22.11	$596.03	$220.15	$289.53	$0.00	$1,105.71
Fisheries Biologist I	280	$16.01	$1,875.86	$833.02	$1,774.02	$0.00	$4,482.90
Fisheries Technician III	650	$15.84	$8,750.93	$1,545.15	$0.00	$0.00	$10,296.08
Fisheries Technician II	1325	$12.02	$8,042.62	$5,046.33	$2,843.17	$0.00	$15,932.12
Fisheries Technician I	1150	$10.35	$8,269.50	$2,486.32	$1,150.78	$0.00	$11,906.60
Staff Benefits			$5,108.61	$3,058.93	$1,363.63	$1,662.14	$11,193.31
Total Personal Services Costs			$32,643.55	$13,189.90	$7,421.13	$6,698.94	$59,953.52
Operating Expenses							
Subcontractor							
Lowboy Hauling			$1,905.00	$0.00	$415.00	$0.00	$2,320.00
End-Dump Log Hauling			$0.00	$3,188.00	$0.00	$0.00	$3,188.00
Excavator Lease			$8,167.75	$12,507.25	$0.00	$0.00	$20,675.00
Registered Geologist/Restoration Specialist			$7,000.00	$3,000.00	$5,015.00	$0.00	$15,015.00
Materials and Supplies							
Project/Field Supplies			$2,471.84	$969.47	$633.90	$0.00	$4,075.21
Heavy Equipment Fuel			$2,000.00	$2,089.50	$0.00	$0.00	$4,089.50
Front-end Loader (8 weeks @1,500/week)			$0.00	$0.00	$0.00	$12,000.00	$12,000.00
5-yard Dump Truck (6 weeks @$800/week)			$0.00	$0.00	$0.00	$4,800.00	$4,800.00
Heavy Equipment Maintenance & Repair			$1,210.09	$0.00	$0.00	$0.00	$1,210.09
Nikon Total Station Level (25 days @$100/day)			$0.00	$0.00	$0.00	$2,500.00	$2,500.00
Chainsaws (8 weeks @$120/week)			$0.00	$0.00	$0.00	$960.00	$960.00
5-Gallon Conifer Trees (1,066 trees @ $5.00 per tree)			$0.00	$0.00	$0.00	$5,330.00	$5,330.00
Bareroot Redwood & Sitka Spruce Trees			$1,435.00	$1,305.00	$0.00	$0.00	$2,740.00
Transportation (Vehicle & ATV fuel, maintenance, repairs)			$1,264.76	$2,093.62	$1,243.55	$2,000.00	$6,601.93
Total Operating Expenses			$25,454.44	$25,152.84	$7,307.45	$27,590.00	$85,504.73
Project Subtotal			$58,097.99	$38,342.74	$14,728.58	$34,288.94	$145,458.25
CDFG Streambed Alteration Permit			$750.00	$0.00	$0.00	$0.00	$750.00
Administrative Overhead @29.0% (thru 9/30/08) & 27.77% (thru 9/30/09)			$12,130.01	$5,894.23	$2,713.10	-	$20,737.34
Total Estimated Budget			**$70,978.00**	**$44,236.97**	**$17,441.68**	**$34,288.94**	**$166,945.59**