

Appendix A

Appendix A. Field sketches and photographs of select wood loading sites located in Tectah Creek, Lower Klamath River Sub-basin, California.

Looking Downstream at Site 1

Post-Implementation (September 2008)



Following Winter Storm Flows (January 2009)



Looking Downstream at Site 14



Pre-Implementation (Top); During Construction (Bottom) – September 2008

Looking at Site 14 – Flow Direction ←

**Post-
Implementation
(September 2008)**



Following Winter Flows (January 2009)

Looking Downstream at Site 15

Pre-Implementation (September 2008)



Post-Implementation (September 2008)



Looking Downstream at Site 15

Following Winter Flows (January 2009)



Looking Downstream at Site 19

Pre-Implementation (September 2008)



Post-Implementation (September 2008)



Looking Downstream at Site 19

Post-Implementation (September 2008)



Following Winter Flows (January 2009)

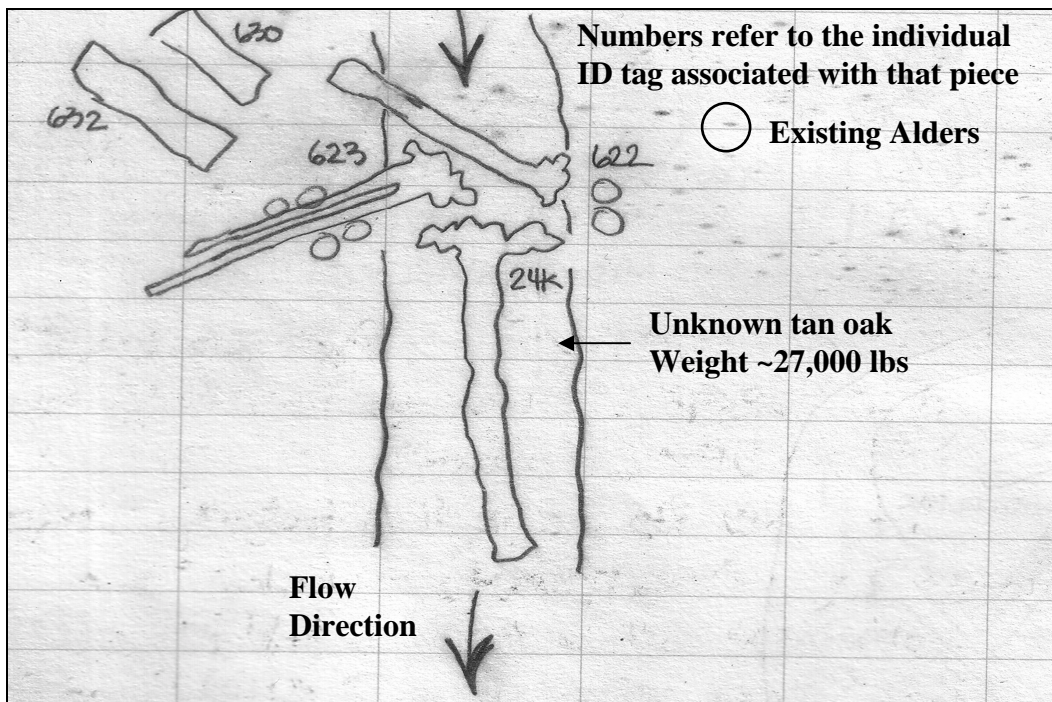


Looking Downstream at Site 20

During Construction (September 2008)



Plan View Sketch – Post-Implementation (September 2008)



Looking Downstream at Site 20

Post-Implementation (September 2008)



Following Winter Flows (January 2009)



Looking Downstream at Site 20

Following Winter Flows (January 2009)



Recruited Wood Located Just Upstream of Site 20 (January 2009)



Looking Upstream at Site 20

Post-Implementation (Top) (09/24/08); Following Winter Flows (Bottom) (01/19/09)



Looking Upstream at Site 20

Following Winter Flows (January 2009)



Looking at Site 3 – Flow Direction ←

Post-Implementation (September 2008)



Looking at Site 3 – Flow Direction ←

Following Winter Flows (January 2009)



Looking Downstream at Site 20

Post-Implementation (October 2008)



Looking Downstream at Site 20

Following Winter Flows (March 2009)



Project Title: Instream Habitat Enhancement of Tectah Creek, Lower Klamath River: Year 1
CDFG Grant Agreement Number: P0610302
Applicant: Yurok Tribal Fisheries Program
Project Duration: 7/31/07 - 03/31/09

Level of Staff	Number of Hours	In-Kind Hours	Hourly Rate	Amount Requested	Amount of Cost Share	Total Project Cost
Senior Biologist	240.00		\$32.7156250000000	\$0.00	\$7,851.75	\$10,356.16
Biologist II	559.47		\$23.5094643144405	\$13,152.84	\$0.00	\$13,152.84
Biologist I	647.91		\$17.2671976046056	\$11,187.59	\$0.00	\$11,187.59
Fisheries Technician III	176.62		\$16.7495753595289	\$2,958.31	\$0.00	\$2,958.31
Fisheries Technician II	602.38		\$11.4210133138550	\$6,879.79	\$0.00	\$6,879.79
Fisheries Technician I	58.22		\$9.9738921332875	\$580.68	\$0.00	\$580.68
Watershed Coordinator	65.36		\$18.8216034271726	\$1,230.18	\$0.00	\$1,230.18
Suvery Technician II	153.76		\$17.6400234131113	\$2,712.33	\$0.00	\$2,712.33
Suvery Technician I	70.00		\$19.5400000000000	\$1,367.80	\$0.00	\$1,367.80
Sub-Total				\$40,069.52	\$7,851.75	\$50,425.68
Staff Benefits @ 24.6759133%				\$9,887.52	\$2,504.41	\$12,391.93
Total Personnel Services Costs				\$49,957.04	\$10,356.16	\$62,817.61
Operating Expenses				Amount Requested	Amount of Cost Share	Total Project Cost
Camping Per Diem and Supplies				\$1,127.42	\$0.00	\$1,127.42
Equipment moving charges				\$1,037.00	\$0.00	\$1,037.00
Vehicle and boat maintenance and repair				\$1,561.35	\$1,000.00	\$2,561.35
Survey Supplies				\$424.56	\$5,100.00	\$5,524.56
Grip Hoist Supplies				\$1,705.00	\$0.00	\$1,705.00
Safety Supplies				\$74.40	\$804.43	\$878.83
Chainsaw and Hand Tools				\$0.00	\$780.00	\$780.00
Subcontract Expenses				Amount Requested	Amount of Cost Share	Total Project Cost
Chinook Helicopter and Crew						
Mobilization Costs				\$40,000.00	\$0.00	\$40,000.00
Operation Costs				\$155,700.00	\$0.00	\$155,700.00
CDFG Lake and Streambed Alteration Permit Fee				\$1,500.00	\$0.00	\$1,500.00
Jet Boat Service				\$2,500.00	\$0.00	\$2,500.00
Licensed Profession Geologist				\$3,000.00	\$0.00	\$3,000.00
Yurok Forestry Wood				\$0.00	\$20,000.00	\$20,000.00
Total Operating Expenses				\$208,629.73	\$27,684.43	\$236,314.16
Project Sub-Total				\$258,586.77	\$38,040.59	\$299,131.77
Administrative Overhead @ 6.4880%				\$16,777.23	\$0.00	\$16,777.23
Project Total				\$275,364.00	\$38,040.59	\$315,909.00

**Habitat Protection and Restoration Projects– Reporting Metrics (HI, HR, HS)
Instream Habitat Enhancement of Tectah Creek, Lower Klamath River: Year 1
CDFG Grant Agreement Number: P0610302**

Watershed/Sub-basin Plans Identifying Project as a Priority:

Beesley, S. and R. Fiori. 2007. Lower Klamath River Tributary Delta and Subsurface Flow Study, Lower Klamath River Sub-basin, California. Yurok Tribal Fisheries Program, Klamath, California.

California Department of Fish and Game (CDFG). 2004. Recovery Strategy for California Coho Salmon.

Gale, D.B. and D.B. Randolph. 2000. Lower Klamath River sub-basin watershed restoration plan. Yurok Tribal Fisheries Program, Klamath, California.

Priority Habitat Limiting Factors Identified and Addressed by Project:

Adding large wood to lower Tectah Creek addresses the following limiting factors: water quality, riparian dysfunction, excessive sediment yield, salmonid spawning and rearing requirements, and fish passage. In addition, this project addressed the following high priority tasks identified in the Recovery Strategy for California Coho Salmon (CDFG 2004): KR-KG-15, KR-KG-15, KR-KG-17, and KR-KG-23. Adding large wood to fluvial habitats promotes geomorphic processes that facilitate riparian forest recruitment and increased plant survival (Tasks KR-KG-13, KR-KG-15). Additionally, constructing large wood structures will immediately increase salmonid spawning and rearing capacity and improve geomorphic function in Tectah Creek (Tasks KR-KG-17, KR-KG-23).

Type of Monitoring Included in the Project:

Geomorphic and Topographic Monitoring of Fluvial Habitats;
Large Wood Transport and Retention Monitoring; and
Photographic Monitoring

Number of Stream Miles Treated/Affected by the Project:

The lower 7.0 miles of Tectah Creek, Lower Klamath River Sub-basin, California.

Instream Habitat Projects (HI):

Beesley, S. and R. Fiori. 2009. Instream Habitat Enhancement of Tectah Creek, Lower Klamath River: Year 1. Yurok Tribal Fisheries Program, Klamath, California.