

**Lower Yellowjacket Creek Habitat Enhancement Project
Cowlitz Ranger District
Gifford Pinchot National Forest
USDA Forest Service, Pacific Northwest Region**

Objective/Purpose of Project: Multiple objectives will be met with this project; 1) provide structure to the flood plain for long-term stability, 2) provide habitat for young anadromous salmonides, 3) provide structure to the stream channel for pool development, and 4) provide cover.

Methods or Techniques Used: Implementation of Lower Yellowjacket Habitat Enhancement Project started on September 6, 2000. Justice Trucking & Backhoe Service was awarded the equipment rental contract and moved in a Case 950 excavator and a moderate sized International tractor. Sixty logs were pre-staged in July by Bar-D Trucking. The logs were originally decked on FR 2801 and came from the expansion of a rock pit. Two loads were hauled over to the work site. The average size of the logs was 40-foot lengths and 20 inches DBH. Approximately 2/3 of the logs had some root structure. The logs were staged at the end of FR #2900694. The remaining logs used in the construction of the structures came from the flood plain. In all 132 logs were pulled from the flood plain. All of the logs that did come from the flood plain were looked at from the standpoint of, was it doing anything to add to the stabilization of the flood plain?. In other words was it part of a larger structure. Two access roads were used to access the project area, FR #2900694 and #2800020. Approximately 50 feet of road was re-established (originally constructed in the late 1970's to access the flood plain) at the end of FR #2900694, this reconstruction was "chewed up" at the end of work to limit access to foot traffic. The excavator "raked" the flood plain between the different work sites to reduce the visual impact.

Realized/Expected results: The short term expectations of this project are to stabilize the flood plain and provide habitat for all life stages of resident fish populations and to provide habitat for young anadromous fish in the project area. The long-term expectations for the site are: 1. That in a few years the alders, firs, and cedar will reclaim the flood plain. 2. More wood will gather on the existing logjams increasing them in size and complexity. 3. The stream channel will remain in one location for more then a year or two.

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Agreement Type(s): Collection Agreement

Primary Partner List: Lewis County Conservation District

Project Data:

Category	# Miles Stream Restore	# Acres Lake Restore	# Miles Inven.	# Acres Inven.	# Monitor Plans	# Admin Studies	P&M Program Mgmt. Plan \$	P&M Overhead \$	P&M Total Output \$	Total FS + Partner \$	Other Res. \$	Total Partner \$	Total FS \$	In-kind \$
Totals	2	0	0	0	0	0	200	1,125	4,500	25,488	0	19,663	5,825	0
Anadromous / Catadromous	2	0	0	0	0	0	200	1,125	4,500	25,488	0	19,663	5,825	0
Inland Coldwater	2	0	0	0	0	0	200	1,125	4,500	25,488	0	19,663	5,825	0

Photographs

