



**Salmon Program
State Recovery Projects
Post-Evaluation Project Summary**

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|--|-------------|------------------------------------|
| TITLE: North Fork Chinook: Canyon Creek Restore | | NUMBER: 01-1263C (Combined) |
| | | STATUS: Active |
| SPONSOR: Whatcom Land Trust | | EVALUATION SCORE: |
| | | BOARD RANKING: |
| COSTS: | | SPONSOR MATCH: |
| Salmon State Projects | \$689,024 | 58% |
| Local | \$500,000 | 42% |
| Total | \$1,189,024 | 100% |
| | | Federal Grant |

DESCRIPTION:

Canyon Creek Restoration will acquire and restore 81.5 acres of Spring Chinook spawning, holding and rearing habitat at the confluence of Canyon Creek and the North Fork Nooksack. The project is located on the active alluvial fan of Canyon Creek, the second largest tributary of the North Fork Nooksack. Canyon Creek is important habitat for federally listed native North Fork Spring Chinook, along with pink, chum, steelhead, and threatened bull trout. Whatcom Land Trust (WLT) will acquire properties on both sides along 1000' of Canyon Creek. Whatcom County will remove 10 permanent structures and restore building sites. Lummi Natural Resources (LNR) will conduct riparian restoration on 20 acres. WLT and LNR, in cooperation with regional co-managers, will design and construct improvements to a partial fish barrier.

Major flooding in 1989, 1990 and 1995 resulted in significant damage to homes and roadways on the alluvial fan. Public agencies have spent over \$1.4 million in attempts to protect a small resort and neighboring residences with massive flood control structures. The flood project has significantly restricted the natural floodplain of Canyon Creek, increased flows in spawning areas, restricted up-stream fish passage, and reduced the area of spawning habitat on the alluvial fan. In 1981 more Spring Chinook were observed in Canyon Creek than were sighted in the rest of the Nooksack Basin. One day this year spawning surveys counted 150 Spring Chinook in the lower reach of Canyon Creek.

LOCATION INFORMATION:

North Fork Nooksack

| | | | |
|--------------------------|-------------------|-------------------------|----------------------------|
| ST SALMON REGION: | Puget Sound North | LEAD ENTITY ORG: | Whatcom County Lead Entity |
| COUNTY: | Whatcom | WRIA: | Nooksack (1) |

SCOPE (ELEMENTS):

| | | |
|----------------------|-----------------------------|-------------|
| Administrative costs | Architectural & Engineering | Incidentals |
| Allowable land costs | In-Stream Passage | Sales Tax |

SALMON INFORMATION: (* in

Species Targeted

| | |
|--------------------------------------|-----------------------------------|
| Chinook (Listed, Threatened (03/99)) | Pink |
| Coho (Candidate (07/95)) | Steelhead (Not Warranted (08/96)) |
| Cutthroat (Not Warranted (04/99)) | |

Habitat Factors Addressed

| | |
|--|-------------------------------|
| Channel Conditions | Riparian Conditions |
| Floodplain Conditions | Streambed Sediment Conditions |
| Loss of Access to Spawning and Rearing Habitat | |

Measurements

Estimated meters of salmonid bearing water opened up by this project: 6,598.00
 Of that, percent spawning habitat: 50.00% Percent rearing habitat: 75.00%
 Average stream width, in meters, upstream of barrier: 5.00

