

**SECURE RURAL SCHOOLS AND COMMUNITY SELF-DETERMINATION ACT OF 2000  
PUBLIC LAW 110-343  
TITLE II PROJECT SUBMISSION FORM  
USDA FOREST SERVICE**

**Name of Resource Advisory Committee:**  
Olympic Peninsula  
**Project Number** (Assigned by Designated Federal Official):  
**Funding Fiscal Year(s):** 2012

<b>2. Project Name:</b> Little Quilcene River Juvenile Salmon Trap	<b>3a. State:</b> WA <b>3b. County(s):</b> Jefferson
<b>4. Project Submitted By:</b> Hood Canal Salmon Enhancement Group Contact: Teresa Sjostrom PO Box 2169 Belfair, WA 98528	<b>5. Date:</b> April 1, 2011
<b>6. Contact Phone Number:</b> 360-275-9722	<b>7. Contact E-mail:</b> <a href="mailto:teresa@hcseg.org">teresa@hcseg.org</a>

<b>8. Project Location:</b>	
a. National Forest(s): Olympic	b. Forest Service District: Hood Canal
c. Location (Township-Range-Section) Township 27N, Range 2W, Section 13	

<p><b>9. Project Goals and Objectives:</b></p> <p>A juvenile salmon trap on the Little Quilcene River is part of a long-term steelhead restoration effort in the Hood Canal watershed. The Hood Canal Steelhead Project is a collaborative project that began in 2007 and has a planned duration of 16 years. It aims to restore steelhead runs to the Duckabush River, Skokomish River, and Dewatto River through supplementation using native stocks.</p> <p>A vital component of the project is the monitoring of juvenile outmigrant populations in both treatment and control streams. The Little Quilcene River is one of three primary control streams. The operation of a juvenile salmon trap on this river will allow abundance to be tracked over time and will facilitate the collection of tissue samples for aging and genetic analysis. This information is critical to the evaluation of specific strategies utilized by this project. It will help determine if these approaches would be useful as a conservation tools in other river systems of the Pacific Northwest.</p> <p>In addition to its importance for the Hood Canal Steelhead Project, the trap will monitor the effects of the Little Quilcene Estuary Restoration Project, which was completed in 2010. The project included levee removals/setbacks, tidal channel enhancement, riverine channel remeander, bridge and culvert replacements, estuarine delta cone excavation, and invasive species control.</p> <p>The Little Quilcene River begins on Mt. Townsend in the Olympic National Forest. After leaving the national forest, the river runs through privately-owned land in Jefferson County, and drains into Hood Canal near the town of Quilcene. Information collected from the Little Quilcene River trap will be used for research and management purposes and will encompass: juvenile fish composition, population and</p>
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

production measurements, evaluation of habitat modifications, and evaluation of supplementation. Overall, this project is part of multiple efforts to restore and conserve salmon and trout resources, key components to ecosystem health in the Olympic National Forest and adjacent areas.

**10. Project Description:**

a. Brief: *(in one sentence)*

Operation of a trap to capture out-migrating juvenile salmonids in the Little Quilcene River.

b. Detailed:

The Hood Canal Salmon Enhancement Group (HCSEG) will install and operate a temporary fish trap on the Little Quilcene River. Smolts will be collected to estimate total freshwater production. The trap will be monitored and maintained daily by HCSEG staff, volunteers, and collaborators. Fish will be identified by species, counted, measured, and sampled for analysis of genetic and life-history characteristics. This proposal for funding is specific to the Little Quilcene River. (As part of the collaborative Hood Canal Steelhead Project, the HCSEG also currently operates smolt traps, conducts redd surveys, and conducts summer parr sampling on the Dewatto River and the Tahuya River in Mason County.)

A rotary screw trap has been acquired for monitoring the Little Quilcene River. The trap consists of two pontoons and a 5-foot diameter cone. The trap is 10 feet wide x 17 feet long. The trap will be installed by transporting pre-built components and assembling them at the site. The trap will be secured with cables anchored to the shoreline. Sampling techniques will be in accordance with established protocols developed by WDFW's Fish Program.

The HCSEG has permission from WDFW to operate under the Hydraulic Project Approval allowing installation, maintenance, and removal of WDFW-operated fish traps statewide (March 28, 2005; Control Number: 100674-1). The Washington State Department of Fish and Wildlife reviewed SEPA, and issued a Determination of Non Significance for Temporary Fish Traps State-wide on October 6, 2004. Jefferson County issued a Shoreline Substantial Development Permit to HCSEG in 2009.

**11. Types of Lands Involved?**

State/Private/Other lands involved?  Yes  No

**Land Status:** public

If Yes, specify: Jefferson County

**12. How does the proposed project meet purposes of the Legislation?** (Check at least 1)

Improves maintenance of existing infrastructure.

Implements stewardship objectives that enhance forest ecosystems.

Restores and improves land health.

Restores water quality

**13. Project Type**

a. Check all that apply: (check at least 1)

Road Maintenance

Trail Maintenance

<input type="checkbox"/> Road Decommission/Obliteration	<input type="checkbox"/> Trail Obliteration
<input type="checkbox"/> Other Infrastructure Maintenance (specify):	
<input type="checkbox"/> Soil Productivity Improvement	<input type="checkbox"/> Forest Health Improvement
X Watershed Restoration & Maintenance	<input type="checkbox"/> Wildlife Habitat Restoration
X Fish Habitat Restoration	<input type="checkbox"/> Control of Noxious Weeds
X Reestablish Native Species	<input type="checkbox"/> Fuels Management/Fire Prevention
<input type="checkbox"/> Implement CWPP Project	<input type="checkbox"/> Other Project Type (specify):
b. Primary Purpose (select only 1): Watershed Restoration & Maintenance	

<b>14. Identify What the Project Will Accomplish</b>
Miles of road maintained: N/A
Miles of road decommissioned/obliterated: N/A
Number of structures maintained/improved: N/A
Acres of soil productivity improved: N/A
Miles of stream/river restored/improved/impacted/assessed: 12.2 (mainstem) and 43.0 (tributaries)
Miles of fish habitat restored/improved: N/A
Acres of native species reestablished: N/A
Miles of trail maintained: N/A
Miles of trail obliterated: N/A
Acres of forest health improved (including fuels reduction): 25,600 (Little Quilcene River basin)
Acres of rangeland improved: N/A
Acres of wildlife habitat restored/improved: N/A
Acres of noxious weeds controlled: N/A
Timber volume generated: N/A
Jobs generated in full time equivalents (FTE) to nearest tenth. One FTE is 52 forty hour weeks: 0.4 FTE
People reached (for environmental education projects/fire prevention): 120
Direct economic activity benefit:
Other: Monitoring

<b>15. Estimated Project Start Date:</b> Preparation for the 2012 trap installation/operation will begin in early March 2012.	<b>16. Estimated Project Completion Date:</b> The trap will be removed in June 2012 following the trapping season. Data analysis by HCSEG and project partners will occur annually following each field season.
----------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

**17. List known partnerships or collaborative opportunities.**

Hood Canal Steelhead Project collaborators: NOAA Fisheries, Long Live the Kings, Port Gamble S’Klallam Tribe, Skokomish Tribe, US Fish and Wildlife Service, US Forest Service, Washington Department of Fish and Wildlife.

**18. Identify benefits to communities.**

The Little Quilcene River trap will provide volunteer and educational opportunities to the local community. Volunteers will assist in the daily operation of the trap and will gain an appreciation of fish species and corresponding abundance levels in local streams. Community members and students will have opportunities to learn about the health of local salmon populations and ecosystems, instilling a sense of responsibility for the conservation of our natural resources. In past years, the HCSEG has provided presentations to local elementary through high school classes at the trap site. The HCSEG intends to continue offering these opportunities while the trap is in operation.

**19. How does the project benefit federal lands/resources?**

1) Declining salmonid populations have cultural, economic, and ecological consequences. Salmon and trout are a key component to stream and forest ecosystems. They provide nutrients to the forest and food for many species of wildlife, insects, and aquatic organisms within the Olympic National Forest. The proposed project will benefit salmon resources by providing abundance estimates and other data that will be available for management by state and federal agencies.

2) Winter-run steelhead in Hood Canal are listed as Threatened under the US Endangered Species Act. The Hood Canal Steelhead Project aims to restore winter steelhead in the Duckabush River (9.2 miles of which are in the Olympic National Forest). The Little Quilcene River (5.9 miles of which are in the Olympic National Forest) is a control stream for monitoring the effects of the supplementation in the Duckabush River.

3) An ongoing goal of the HCSEG is to return all species to healthy levels in all rivers in Hood Canal. This project will be a step towards that ultimate vision by providing information that will be available for the development of future enhancement projects.

<b>20. What is the Proposed Method(s) of Accomplishment?</b> (check at least 1)	
<input type="checkbox"/> Contract	<input type="checkbox"/> Federal Workforce
<input type="checkbox"/> County Workforce	<input checked="" type="checkbox"/> Volunteers
<input type="checkbox"/> Grant	<input type="checkbox"/> Agreement
<input type="checkbox"/> Americorps	<input type="checkbox"/> YCC/CCC Crews
<input type="checkbox"/> Job Corps	<input type="checkbox"/> Stewardship Contract
<input type="checkbox"/> Merchantable Timber Pilot	<input checked="" type="checkbox"/> Other (specify): HCSEG staff, Port Gamble S’Klallam Tribe Natural Resources Dept., Hood Canal Steelhead Project collaborators, NOAA Fisheries oversight

**21. Will the Project Generate Merchantable Materials?**  Yes  No

<b>22. Anticipated Project Costs</b>
a. Title II Funds Requested: \$18,600
b. Is this a multi-year funding request? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**23. Identify Source(s) of Other Funding:** NOAA, HCSEG

**24. Monitoring Plan (provide as attachment)**

- a. Provide a plan that describes your process for tracking and explaining the effects of this project on your environmental and community goals outlined above.

A monitoring plan is attached.

- b. Identify who will conduct the monitoring:

HCSEG and project partners, led by NOAA Fisheries

- c. Identify total funding needed to carry out specified monitoring tasks (Worksheet 1, Item k):

No additional funds will be needed as monitoring is the primary purpose of the Little Quilcene River trap.

**25. Identify remedies for failure to comply with the terms of the agreement.**

If project cannot be completed under the terms of this agreement:

Unused funds will be returned to the RAC account.

Other, please explain:

---

**Project Recommended By:**

*/s/ (INSERT Signature)*

**Chairperson**

Resource Advisory Committee

**Project Approved By:**

*/s/ (INSERT Signature)*

**Forest Supervisor**

National Forest

# Project Cost Analysis Worksheet

## Worksheet 1

Please submit this worksheet with your proposal

Item	Column A Fed. Agency Appropriated Contribution	Column B Requested Title II Contribution	Column C Other Contributions	Column D Total Available Funds
a. Field Work & Site Surveys				
b. NEPA/CEQA				
c. ESA Consultation				
d. Permit Acquisition			\$800	\$800
e. Project Design & Engineering				
f. Contract/Grant Preparation				
g. Contract/Grant Administration				
h. Contract/Grant Cost				
i. Salaries		\$15,100		\$15,100
j. Materials & Supplies		\$1,000	\$21,000	\$22,000
k. Monitoring				
l. Other		\$2,500	\$3,200	\$5,700
m. Project Sub-Total				
n. Indirect Costs				
<b>o. Total Cost Estimate</b>		\$18,600	\$25,000	\$43,600

### NOTES:

- a. Pre-NEPA Costs
- g. Includes Contracting/Grant Officer Representative (COR) costs. Excludes Contracting/Grant Officer costs.
- i. Cost of implementing project
- l. Examples include overhead charges from other partners, vehicles, equipment rentals, travel, etc.
- n. Contracting/Grant Officer costs, if needed, are included as part of Indirect Costs.

### HCSEG Budget Narrative

- d. Jefferson County Shoreline Substantial Development Permit, WDFW HPA, SEPA Determination.
- i. Salaries based on 0.4 FTE.
- j. Requested Title II contribution for trapping and sampling supplies: cabling, nets, scale, waders, etc.; Other contributions: rotary screw trap manufactured by EG Solutions, trailer, cabling/rigging for anchoring trap.
- l. Requested Title II contribution: vehicle and travel expenses; Other contributions: volunteer hours, RV stationed at trap site.

## **Monitoring Plan**

- a. Provide a plan that describes your process for tracking and explaining the effects of this project on your environmental and community goals outlined above.

### **Monitoring effects on the environment**

The Little Quilcene River juvenile salmonid trap is part of an extensive monitoring effort to evaluate the effects of the Hood Canal Steelhead Project, the goal of which is to help restore steelhead to three rivers in Hood Canal. This is a long-term project (16 years), and while final conclusions will be presented at the end of the study, significant effort is spent throughout the project to ensure that data are thoroughly gathered, compiled, analyzed, and reported.

Hood Canal Steelhead Project collaborators meet in person at least twice a year, once in preparation for the field season and again to discuss annual outcomes. A project management website is in place so that all partners have access to the status of activities and results from all rivers. NOAA Fisheries leads the effort to publish results from the project in the scientific, peer-reviewed literature.

### **Monitoring effects on the community**

Volunteer involvement with trapping operations is organized by the HCSEG Volunteer Coordinator, and volunteer contributions are tracked continuously and reported quarterly.

The HCSEG Education Outreach Coordinator maintains contact with Quilcene teachers, and the HCSEG will continue to offer hands-on educational opportunities to classes at the trap site. Prior to class visits, HCSEG staff will discuss specific goals with teachers. Immediately following the events, HCSEG will consider both positive elements to repeat and ways to improve in the future.

- b. Identify who will conduct the monitoring:

HCSEG and project partners, led by NOAA Fisheries

- c. Identify total funding needed to carry out specified monitoring tasks (Worksheet 1, Item k):

No additional funds will be needed as monitoring is the primary purpose of the Little Quilcene River trap.