

2012-2013 ACC Pre-Proposal

1. Applicant organization.
Lower Columbia Regional Fisheries Enhancement Group
2. Organization purpose:
Restore and enhance salmonid populations in SWWA
3. Project manager (name, address, telephone, email, fax).
Tony Meyer, Executive Director
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4. Project Title
Eagle Island North Channel Restoration

5. Summary of Project proposal

This proposal requests construction funding for habitat restoration work associated with the Eagle Island North Channel Restoration effort. ACC funding is requested to assist with construction of the restoration work and will also be used as cost-share (match) for an anticipated SRFB grant (2013 Grant Round) that will also be pursued to help fund project construction. The design for this project is currently being conducted as part of SRFB Project #11-1239 (Eagle Island – North Channel Restoration Design).

The project area is Eagle Island on the NF Lewis River, Reach 4B (river mile 10-12). At approximately river mile 12, the river forks into what are known as the north and south channels around Eagle Island. Historical aerial photography shows that the primary flow has been shifting from the north to the south channel since the 1930s; if these trends continue, it appears that flow in the north channel could become too low to support juvenile salmon rearing during certain times of the year. WDFW monitoring indicates that historically, the north channel has supported large amounts of juvenile Chinook rearing, which has decreased in recent years concurrent with a decrease in flows in the north channel. Agency scientists believe that further dewatering of the north channel could have serious consequences for fall Chinook production in the system.

The current design effort (SRFB Project #11-1239) will produce final designs for enhancement work. Design development is still in progress. Preliminary designs indicate that final enhancement work will involve channel bed re-configuration at the upstream end of Eagle Island and possibly within the upper portion of the north channel. Enhancement will also likely include installation of log jams in select locations to encourage flow into the north channel and to enhance local pool scour and cover. Additional detail on designs will be available for the final ACC proposal submittal in mid-January.

This project addresses Aquatic Fund priorities #1 & #3:

Priority 1: *Benefit fish recovery throughout the North Fork Lewis River, with priority to federal ESA-listed species.*

Chinook, chum, coho and steelhead trout are listed as threatened species under the ESA. This project will contribute to the recovery of these species by increasing the quantity and quality of habitat available to fish in the Eagle Island area.

Priority 3: *Enhance fish habitat in the Lewis River Basin, with priority given to the North Fork Lewis River.*

This project is located in the North Fork Lewis River.

6. Project location (including River/Stream and Lat/Long coordinates if available).

The project area is Eagle Island on the NF Lewis River, Reach 4B (river mile 10-12). The upstream end of the island is located at N Lat 45°56'18", W Long 122°40'55". See attached site locator map.

7. Expected products and results (Please attach any drawings).

The expected product is construction of the restoration effort in conjunction with additional funding sources (anticipated 2013 SRFB Grant). The result will be the completion of channel enhancements that will accomplish the primary objective of maintaining adequate flow for fish in the north channel.

8. Benefits of proposed Project

Benefits include enhanced flow conditions in the north channel, increased habitat capacity especially during the fall Chinook out-migration period, and increased habitat complexity and quality for all species. The project addresses the priorities in the Recovery Plan and Habitat Strategy, including the following high priority project types: (1) off channel and side channel habitat, and (2) stream channel habitat structure and bank stability. The following table on fish use and life history targets for the project is reprinted here from the SRFB design application:

Species	Life History Present (egg, juvenile, adult)	Current Population Trend (decline, stable, rising)	ESA Coverage (Y/N)	Life History Target (egg, juvenile, adult)
Fall Chinook	Egg, juvenile, adult	stable	Yes	juvenile
Coho	Egg, juvenile, adult	decline	Yes	juvenile
Chum	Egg, juvenile, adult	decline	Yes	juvenile
Winter steelhead	Egg, juvenile, adult	decline	Yes	juvenile
Spring Chinook	Egg, juvenile, adult	decline	Yes	juvenile
Summer steelhead	Egg, juvenile, adult	decline	Yes	juvenile
Bull Trout	Juvenile, adult	decline	Yes	juvenile & adult

9. Project partners and roles.

WA Department of Fish and Wildlife is a key partner and primary landowner that has helped to coordinate and initiate this effort and is contributing technical support for project analysis and design. Other project partners are participating as part of a Technical Oversight Group that convenes to provide technical support and guidance throughout this effort. These partners include WDFW, Clark County, Cowlitz Indian Tribe, US Army Corps of Engineers, PacifiCorp, Lower Columbia Fish Recovery Board, WA Dept of Natural Resources, USFWS, and NOAA.

10. Community involvement (to date and planned).

Design for this project has been vetted through the LCFRB project review process, which included significant opportunity for community involvement and technical review. Coordination with community, landowner, and recreational user representatives will be conducted as the design process and project planning proceeds.

11. Procedure for monitoring and reporting on results.

WDFW conducts regular monitoring of the lower NF Lewis River, which includes juvenile fish seining, enumeration, and tagging. This on-going monitoring effort will be used to evaluate project effectiveness. Any additional monitoring procedures will be developed collaboratively with WDFW during the design phase of the project. Reporting of results will be done using ACC protocols (if existing), or standard SRFB protocols, which include a final as-built report and photo summary.

12. Project schedule (anticipated start date, major milestones, completion date).

Project construction activities will commence in 2013 and extend through 2015. The specific final construction schedule will be developed as part of project design (in progress). It is anticipated that material acquisition could begin as early as fall/winter 2013. Instream construction is anticipated for summer 2014, with follow-up riparian restoration work extending into 2015.

13. Funding requested (estimated cost for project design, permitting (including necessary resource surveys), construction, and monitoring).

\$150,000 of ACC funding is requested to assist with construction of the restoration work and will also be used as cost-share (match) for an anticipated SRFB grant (2013 Grant Round) that will be pursued to also help fund project construction. The design for the project is currently funded and on-going as part of SRFB Project #11-1239.

14. Type and source of other contributions (Identify cash (C) and/or in-kind (IK), and status, pending (P) or confirmed (Co)).

\$167,000 – Analysis, design, and permitting; SRFB Project #11-1239; C; Co

\$TBD – Additional construction funding; SRFB (2013 Grant Round); C; P (anticipated)

\$TBD – LCFEG; IK; P

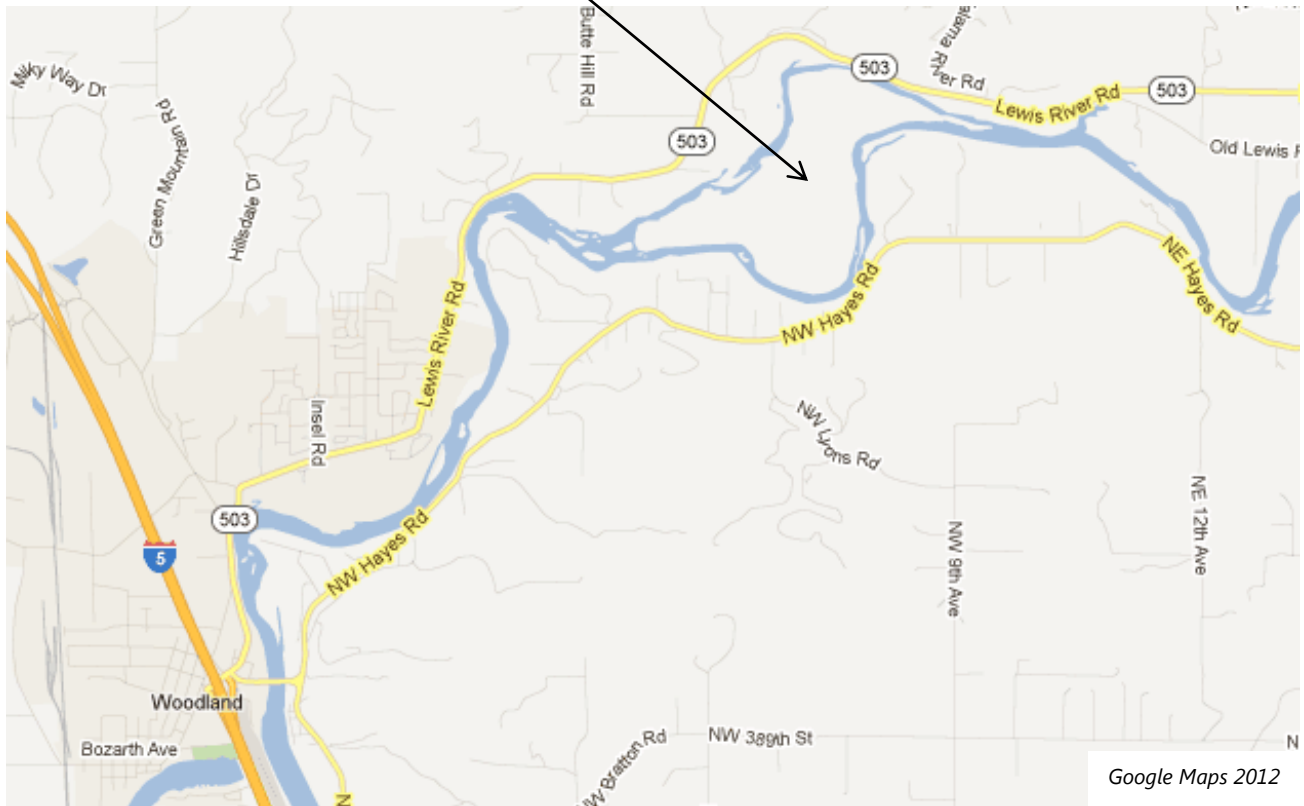
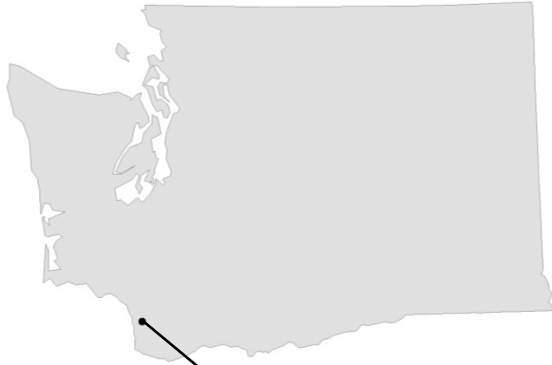
15. If you have technical assistance needs for this project, please briefly describe such needs.

Technical assistance for design is being provided by a Technical Oversight Group consisting of representatives from multiple entities including WDFW, Clark County, Cowlitz Indian Tribe, US Army Corps of Engineers, PacifiCorp, Lower Columbia Fish Recovery Board, WA Dept of Natural Resources, USFWS, and NOAA. It is anticipated that the TOG will be available to provide continued technical assistance during the construction and monitoring phase. Inter-Fluve is providing technical services for the design and will provide construction oversight and assistance.

16. If any boating hazards are an issue please note if any signage requirements.

Boater safety is an important consideration in project design. The design of the project, and construction methods, will incorporate boater safety considerations and will be vetted by recreational user representatives. Signage is anticipated for the project as has been conducted for other past restoration work on the lower NF Lewis in recent years. Signage may also be a requirement of the WA DNR aquatic land use authorization for the project.

Project Location



Project Site Map

