

PROJECT REVIEW SHEET - EZ1

HISTORIC & CULTURAL RESOURCES REVIEW

Property / Client Name: MF Nooksack Ring Forest Restoration Phase I, 11-1449
Worksite Name/Number: Chuckanut sub-reach (Worksite 1 of 1)
Funding Agency: Rec. and Conserv. Office

Project Applicant Lummi Nation
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Funding Agency:

Organization Rec. and Conserv. Office
Address PO Box 40917
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Phone 360-902-3000
Contact Marc Duboiski, Email: marc.duboiski@rco.wa.gov

PLEASE DESCRIBE THE TYPE OF WORK TO BE COMPLETED

(Be as detailed as possible to avoid having to provide additional information)

Provide a detailed description of the proposed project:

Project location: Middle Fork Nooksack River in the Welcome Reach (RM 2 to 3.3)

This project has two phases: Phase 1, Chuckanut Reach and Phase 2, Side Channel Reach. The first phase, Chuckanut reach will construct 5 engineered logjams (ELJs) to restore salmon habitat in WRIA 1. These ELJs will help to direct some flow into the west and central channel and away from the east channel. Endangered early spring Chinook salmon and bulltrout will benefit from 5 new scour pools; more pools may develop indirectly as increased roughness causes dynamic equilibrium. Scour pools provide thermal refugia (holding pools) from elevated Middle Fork water temperatures during summer spawning months in addition to pools for juvenile overwintering (rearing pools).

The overall project, with Phase 2 will develop or replenish mid-channel islands and off-channel habitat. Islands anchored by ELJs will create a system of stabilized anabranching channels. Increased stability from logjams will alleviate energy on mainstem bedforms, reducing redd scour. ELJs will be planted with native species while accumulating sediment and transient instream wood. Stable islands will result. A side channel in the downstream segment of the reach (~RM 2.0 to 2.4) be seeded with key pieces of wood for habitat improvement and avulsion risk reduction. Slow water (e.g., residual pools) and edge habitat will significantly increase. Shading and greater hyporheic connectivity will reduce ambient water temperatures.

Describe existing project site conditions.

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Land use at the site is residential with large lots. Timber harvest started in the early 20th century beginning in the lower watershed until the floodplain was cleared. Peak harvesting occurred during the period of 1950-1980. In 1990 a forest management plan was developed; since then 91% of the harvest has stopped on federal lands, but some timber harvest occurs on private and state lands. Between 2002 and 2009, the area with the most activity for Chinook redds were found between RM 2 and 3. In 2008 and 2009, the active area was concentrated between RM 3 and 5.

Describe any proposed ground disturbing activities. That is, will a tool(s) be used to move earth (soil, rock, gra

Construction of 2 type 1 ELJs, 3 type 2 ELJs built with various types of machinery, including excavators, backhoes, dump trucks.

Will buildings be altered or demolished? If so please complete a DAHP Determination of Eligibility EZ2 form for each building affected by the proposed project and attach the form to your project in PRISM. <http://www.dahp.wa.gov/pages/Documents/Sites.htm>

No.

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If no PRISM map, please attach a copy of the relevant portion of a 7.5 series USGS quad map and outline the project impact area.
(USGS Quad maps are available on-line at <http://www.topozone.com>)

Worksite Location (identified with star):

Address: Access is through three private landowners. Address is Farwell-4581 Mosquito Lake Rd, Deming, WA and Moore 4567 Mosquito Lake Rd, Deming, WA, Olson 5443 Mosquito Lake Rd, Deming, WA

Township: 39N
Range: 05E
Section: 35

City:
County: Whatcom
Latitude: 48.82
Longitude: -122.13

