

# PROJECT REVIEW SHEET - EZ1

## HISTORIC & CULTURAL RESOURCES REVIEW

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**Property / Client Name:** SF Nooksack Cavanaugh Island Restoration, 11-1450  
**Worksite Name/Number:** Cavanaugh Island (Worksite 1 of 1)  
**Funding Agency:** Rec. and Conserv. Office

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**Project Applicant** Lummi Nation  
**Contact Person** Jill Komoto  
**Address** 2616 Kwina Rd  
**City, State, Zip** Bellingham, WA 98226  
**Phone** (360) 384-2340  
**E-Mail** jillk@lummi-nsn.gov

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### Funding Agency:

**Organization** Rec. and Conserv. Office  
**Address** PO Box 40917  
**City, State, Zip** Olympia, WA 98504-0917  
**Phone** 360-902-3000  
**Contact** Marc Duboiski, Email: marc.duboiski@rco.wa.gov

<b>PLEASE DESCRIBE THE TYPE OF WORK TO BE COMPLETED</b>
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(Be as detailed as possible to avoid having to provide additional information)
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### Provide a detailed description of the proposed project:

Project location: South Fork Nooksack River upstream of Dye's Canyon, between RM 16.6 to 17.0  
To restore salmon habitat in WRIA 1, this project will construct 6 engineered log jams (ELJs) in the mainstem South Fork Nooksack River, consisting of three Type I ELJs, three Type II ELJs, and 10 habitat log structures (2 key pieces). Endangered early spring Chinook salmon and bull trout will benefit from 6 new scour pools; more pools may develop indirectly as increased roughness causes dynamic equilibrium. Scour pools provide thermal refugia (holding pools) from elevated South Fork water temperatures during summer spawning months in addition to pools for juvenile overwintering (rearing pools). All features are focused on enhancement of endangered Spring Chinook (*Oncorhynchus tshawytscha*) habitat by maximizing natural habitat-forming processes inherent in this reach of river. By leveraging these natural habitat-forming processes, structure locations and architecture are designed to meet project objectives. This project addresses the number one known limiting factor for WRIA 1 salmonids: habitat diversity. ELJs, LWD habitat structures, and reinforced wood accumulations will increase the availability of complex instream habitat while providing deep pool habitat in a reach associated with cool groundwater inputs. Original request included 9 engineered logjams near the confluence of Cavanaugh Creek and the side channel. Due to limited funds and to allow for more projects to be funded, 3 were dropped.

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### Describe existing project site conditions.

Current land use of the site includes timber harvesting, and unauthorized off road vehicle use. In the early 2000's most of the redds were located on the south end of the side channel. In recent years, most of the redds have been located just north of the confluence with Cavanaugh Creek

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

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

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**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: N/A

Township: 36N

Range: 05E

Section: 02

City:

County: Skagit

Latitude: 48.64

Longitude: -122.12

