

WHATCOM COUNTY

Planning & Development Services
5280 Northwest Drive
Bellingham, WA 98226-9097
360-778-5900, TTY 800-833-6384
360-778-5901 Fax



J.E. "Sam" Ryan
Director

SEPA Distribution List
SEP2017-00052
Date of Issuance: August 7, 2017

Please review this determination. If you have further comments, questions or would like a copy of the SEPA checklist, phone the responsible official at (360) 778-5900. Please submit your response by the comment date noted on the attached notice of determination.

SEPA Unit, WA State Department of Ecology, Olympia via email
sepaunit@ecy.wa.gov

WA State Department of Fish and Wildlife via email
Joel Ingram, joel.ingram@dfw.wa.gov

Lummi Nation Natural Resources
Merle Jefferson, Sr. via email - merlej@lummi-nsn.gov
Tamela Smart - tamelas@lummi-nsn.gov

Nooksack Indian Tribe
George Swanaset, JR via email - george.swanasetjr@nooksack-nsn.gov
Trevor Delgado via email - tdelgado@nooksack-nsn.gov

Applicant
Whatcom Land Trust
Eric Stover, via email - estover@nooksack-nsn.gov

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J.E. "Sam" Ryan
Director

SEPA Determination of Nonsignificance (DNS)

File: SEP2017-00052

Project Description: Construction of five engineered log jams in the South Fork Nooksack River

Proponent: Whatcom Land Trust

Address and Parcel #: 5784 Saxon Road
APN#s: 370516165192, 370516255264, 370516224453

Lead Agency: Whatcom County Planning & Development Services

Zoning: AG **Comp Plan:** Agriculture

Shoreline Jurisdiction: Conservancy & Aquatic

The lead agency for this proposal has determined that with proper mitigation, no significant adverse environmental impacts are likely. Pursuant to RCW 43.21C.030(2)(c), an environmental impact statement (EIS) is not required. This decision was made following review of a completed SEPA environmental checklist and other information on file with the lead agency. This information is available to the public on request.

There is no comment period for this DNS.

Pursuant to WAC 197-11-340(2), the lead agency will not act on this proposal for 14 days from the date of issuance indicated below. Comments must be received by 4:00 p.m. on August 21, 2017 and should be sent to: Andrew Hicks, ahicks@whatcomcounty.us

Responsible Official: Mark Personius, mpersoni@whatcomcounty.us

Title: Assistant Director

Telephone: 360-778-5900

Address: 5280 Northwest Drive
Bellingham, WA 98226

Date of Issuance: August 7, 2017

Signature: _____

A handwritten signature in black ink, appearing to be "M Personius", is written over a horizontal line.

An aggrieved agency or person may appeal this determination to the Whatcom County Hearing Examiner. Application for appeal must be filed on a form provided by and submitted to the Whatcom County Current Planning Division located at 5280 Northwest Drive, Bellingham, WA 98226, during the ten days following the comment period, concluding August 31, 2017.

You should be prepared to make a specific factual objection. Contact Whatcom County Current Planning Division for information about the procedures for SEPA appeals.

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J.E. "Sam" Ryan
Director

SEPA Determination of Nonsignificance (DNS)
Legal Notice

To be published one time only on: **August 7, 2017**

CHARGE TO: Whatcom County Planning & Development Services
5280 Northwest Drive
Bellingham, Washington 98226
Acct #451232

WHATCOM COUNTY GIVES PUBLIC NOTICE THAT THE FOLLOWING SEPA THRESHOLD DETERMINATION OF NON-SIGNIFICANCE (DNS) HAS BEEN ISSUED TODAY SUBJECT TO THE 14 DAY COMMENT PERIOD CONCLUDING ON, August 21, 2017.

File: SEP2017-00052

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Lead Agency: Whatcom County Planning & Development Services

Zoning: AG **Comp Plan:** Agriculture

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ANY PERSON OR AGENCY MAY APPEAL THE COUNTY'S COMPLIANCE WITH WAC 197-11 BY FILING AN APPEAL WITH THE WHATCOM COUNTY PLANNING AND DEVELOPMENT SERVICES LOCATED AT 5280 NORTHWEST DRIVE, BELLINGHAM, WA 98226. APPEALS MUST BE MADE WITHIN 10 DAYS AFTER THE END OF THE COMMENT PERIOD.

SEPA ENVIRONMENTAL CHECKLIST

APR 12 2017 -MSK
SEP 2017-00052
RECEIVED

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals: [\[help\]](#)

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background [\[help\]](#)

1. Name of proposed project, if applicable: [\[help\]](#)

South Fork Nooksack Nasset Restoration Project Phase 2

2. Name of applicant: [\[help\]](#)

Nooksack Indian Tribe

3. Address and phone number of applicant and contact person: [\[help\]](#)

5016 Deming Rd. Deming, WA. 98244

4. Date checklist prepared: [\[help\]](#)

3/13/2017

5. Agency requesting checklist: [\[help\]](#)

WA Department of Fish and Wildlife

6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)

Construction will occur starting 7/2017 through 9/2017 during WDFW permitted work window.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)

This is phases 2 of an anticipated 3 phase in-stream Restoration Project. Phase I started at the upstream portion of the reach (completed summer 2016) and future phases will move downstream.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#)

SF Nooksack River Acme-Saxon Reach Restoration Planning: Analysis of Existing Info/Preliminary Recommendations. Maudlin et al. 2002; Hydraulic Modeling Nessel Ph2. Natural Systems Design. 2017; Geomorphic Assessment Nessel Phase 1 - 3 NSD 2014.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. [\[help\]](#)

No.

10. List any government approvals or permits that will be needed for your proposal, if known.

[\[help\]](#)

- Hydraulic Project Approval (HPA) - WDFW
- Specific Project Information Form (SPIF) – USACE/USFWS
- Nationwide 27 – USACE
- Limit 8 – NMFS/USFWS
- Aquatics Right of Entry/Conservation License - WDNR
- Shoreline Exemption – Whatcom County – Planning and Development
- Floodplain Development Permit – Whatcom County – Public Works Department (River & Flood)

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.) [\[help\]](#)

The SF Nooksack Nessel Phase 2 project includes the construction of 5 engineered logjams using three wood configuration over ~2200 feet of the river. Additionally, approximately 200 ft. of

the project will include driving piles, excavating and placing logs in the active channel and along the bank area to improve instream habitat. Following construction, the site will be revegetated using native trees.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. [\[help\]](#)

The proposal is located in the South Fork Nooksack River, near Saxon Creek (RM 11.4-10.9). The overall Nasset Reach begins approximately 3/4 of a mile downstream of the Saxon Road bridge near Acme, WA Whatcom County and extends 1.5 miles from that point downstream RM 12-10.5. The General location of the project is T37-N, R5-E, S16.

B. ENVIRONMENTAL ELEMENTS [\[help\]](#)

1. Earth [\[help\]](#)

a. General description of the site: [\[help\]](#)

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other River and floodplain.

b. What is the steepest slope on the site (approximate percent slope)? [\[help\]](#)
90 deg at left river bank.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils. [\[help\]](#)

Cobble, gravel and sand, with some finer overbank deposits. Some bedrock (Darrington Phyllite) on the right bank.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [\[help\]](#)

Yes. Many of the bank and floodplain sediments are highly erodible.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill. [\[help\]](#)

Most excavation and grading will be of native alluvium to construct engineered logjams (ELJs), and ramps for temporary access bridges. All actions are designed to address factors limiting ESA listed Spring chinook production. Each ELJ footprint will be excavated from 3 to 9 ft. below existing grade depending on structure type and location. From 6 to 14 piles will be driven with a vibratory hammer. In areas where sub surface bedrock is likely to be encountered posts will be placed in excavated holes that are an additional 10-12 ft. below the bottom grade within the

excavated pit. Using piles to support ELJ structures will eliminate the need to excavate the holes for posts.

Minor grading of existing alluvium on bars and minor import of wood chips half man size rock may be necessary. Three temporary bridges will be installed that will require grading existing alluvium to act as ramps on both ends of bridges (See attached map). All access trail and bridge ramp areas will be restored to pre-disturbance grade and decompacted as the contractor exits the site. Volumes are unknown for these activities but will likely be in the 50-100 yds.³ range.

Excavation:

ELJ Type 1 with piles (each)	Pit Each	1,558 yds. ³ excavated within 4,675 ft. ²
Sub-total 1 ELJ		1,558 yds. ³ excavated within 4,675 ft. ²
ELJ Type 2 with piles (each)	Pit Each	1,222 yds. ³ excavated within 4,125 ft. ²
Sub-total 1 ELJ		1,222 yds. ³ excavated within 4,125 ft. ²
ELJ Type 3 with piles (each)	Pit Each	571 yds. ³ excavated within 4,675 ft. ²
		918 yds. ³ excavated within 4,675 ft. ²
		519 yds. ³ excavated within 4,675 ft. ²
Sub-total 3		2,008 yds. ³ excavated within 14,025
Minor grading and ramping:	Sub-total	100 yds. ³
Total		4,888 yds.³ excavated within 22,825 ft.²

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [\[help\]](#)

Yes. Some structures will be partially installed within the wetted perimeter of the channel which will result in increased suspension of fine sediments.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? [\[help\]](#)
0%

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)
Areas where ELJ structures will be installed will be isolated from the main flow of the river with coffer dams constructed from bulk bags and/or silt booms. Water will be pumped, when necessary, from excavated pits and discharged to vegetated areas away from the channel. Turbidity will be monitored during these activities following Washington State Department of Ecology standards and if levels are in exceedance work will be stopped until back in compliance and additional BMPs installed if necessary.

Temporary Erosion and Sediment Control (TESC) measures will be installed and maintained by contractor during construction period, using Best Management Practices (BMPs) such as silt fence and straw wattles in other areas that could result in sediment entering the river.

Following construction the disturbed areas will be covered in weed free straw and seeded with sterile rye and the ELJ locations and disturbed areas will be revegetated with native conifers, willow, and cottonwood.

2. Air [\[help\]](#)

- a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. [\[help\]](#)

Construction equipment and vehicle exhaust, dust. Quantities are unknown.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#)

No.

- c. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#)
Measures to reduce emissions will include turning off vehicles not in use and limiting travel to that essential for construction to reduce dust.

3. Water [\[help\]](#)

- a. Surface Water:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. [\[help\]](#)
South Fork Nooksack River. There are a few wetlands shown on the NWI maps in the reach that appear to be out of date. Proposed activities are unlikely to adversely affect wetlands and will likely enhance them due to increased floodplain connectivity.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans. [\[help\]](#)

Yes. See attached plans. Construction of 5 ELJs within the active channel below the OHWM.

- 3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material. [\[help\]](#)

All removed material will be placed back into ELJs as backfill.

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [\[help\]](#)

Pumping of water within isolation areas to vegetated uplands as necessary. Duration of pumping will be 1-4 hours with up to a 3/4" pump.

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [\[help\]](#)

Yes. See site plan.

- 6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge. [\[help\]](#)

No.

b. Ground Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. [\[help\]](#)

No.

- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. [\[help\]](#)

None.

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe. [\[help\]](#)

Precipitation could generate runoff. Runoff will be minimized per TESC plan and TESC detail sheets in plans, including installing silt fencing and placing straw and seed on disturbed areas after construction.

- 2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)

No.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. [\[help\]](#)

Affects to runoff drainage patterns within and in the vicinity of the site are not anticipated to occur as a result of this project.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: [\[help\]](#)

The proposal includes an Temporary Erosion and Sediment Control Plan to address potential impacts from erosion and a Water Management Plan that will be implemented if necessary to prevent sediments from entering surface waters.

4. Plants [\[help\]](#)

a. Check the types of vegetation found on the site: [\[help\]](#)

deciduous tree: alder, maple, aspen, other

evergreen tree: fir, cedar, pine, other

shrubs

grass

pasture

crop or grain

Orchards, vineyards or other permanent crops.

wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

water plants: water lily, eelgrass, milfoil, other

other types of vegetation: various annual herbaceous plants.

b. What kind and amount of vegetation will be removed or altered? [\[help\]](#)

Some minor clearing of small alder, willow, cottonwood, and understory shrubs for the temporary access trails. Clearing areas will be kept to a minimum and only what is necessary to gain clearance for equipment to get to the locations where ELJs are to be constructed. A total of 13,500 ft.² will be cleared along an existing access trail. This area includes the already cleared portion of trail and an approximately 25% expansion is anticipated for a new cleared area of 3,375 ft.². All areas will be replanted with native deciduous and conifer and monitored insuring 80% survival after 5 years.

c. List threatened and endangered species known to be on or near the site. [\[help\]](#)

No threatened or endangered plant species are known to be on or near the site.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: [\[help\]](#)

All ELJ construction areas will be planted with native conifers and deciduous trees either salvaged from areas to be cleared or purchased from the local plant materials center produced from western Washington stocks.

e. List all noxious weeds and invasive species known to be on or near the site. [\[help\]](#)
Japanese knotweed, Reed canarygrass, Scotch Broom, Butterfly Bush.

5. Animals [\[help\]](#)

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. [\[help\]](#)

Examples include:

birds: hawk, heron, eagle, songbirds, other: various ducks, Canada geese
mammals: deer, bear, elk, beaver, other: River otter, various rodents
fish: bass, salmon, trout, herring, shellfish, other: Salish sucker, stickleback

b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)
Chinook salmon, Steelhead trout, Bull trout

c. Is the site part of a migration route? If so, explain. [\[help\]](#)

Yes, The South Fork Nooksack is a salmon and trout migration route. The intent of this project is to improve spawning and rearing habitat associated with these species.

d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)

South Fork early Chinook are considered essential for ESU recovery, but natural-origin productivity and abundance are critically low. This project is the second and phase of a multi-phase project in the Nessel's reach designed to increase holding, spawning, and rearing habitat.

e. List any invasive animal species known to be on or near the site. [\[help\]](#)

European Starling

6. Energy and Natural Resources [\[help\]](#)

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. [\[help\]](#)

Not applicable, the completed project does not require energy needs and does not involve utilities.

b. Would your project affect the potential use of solar energy by adjacent properties?
If so, generally describe. [\[help\]](#)

No.

c. What kinds of energy conservation features are included in the plans of this proposal?
List other proposed measures to reduce or control energy impacts, if any: [\[help\]](#)

None.

7. Environmental Health [\[help\]](#)

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal?
If so, describe. [\[help\]](#)

A spill prevention plan will be provided as outlined in the JARPA application and SPIF programmatic. All machinery will contain fish-friendly vegetable-based oil, will be free of external petroleum-based products and will be washed thoroughly prior to delivery on the site. Any pressure washing needed to clean equipment or refueling will occur 150 ft. from the OHWM. In instances where moving 150 ft. from the OHWM is not feasible, refueling will occur on high ground. Additional absorbent materials will be placed under the fueling area to contain any fueling drips, minor spills or leaks. Larger spills are addressed in the spill prevention plan.

1) Describe any known or possible contamination at the site from present or past uses.
[\[help\]](#)

None Known.

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity. [\[help\]](#)

None Known.

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project. [\[help\]](#)

None.

4) Describe special emergency services that might be required. [\[help\]](#)
Fire or medical services in the event of an accident.

5) Proposed measures to reduce or control environmental health hazards, if any: [\[help\]](#)

Employees on site wear personal protective equipment and have access to first aid care and emergency communication devices.

b. Noise [\[help\]](#)

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? [\[help\]](#)

None.

- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site. [\[help\]](#)

Short-term noise will be generated from construction equipment such as excavators, dump trucks, log loaders, large trucks hauling logs, and pile driving. If pumps are needed they may be operated overnight. Noise related to the construction of the project will occur during daylight hours.

- 3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)

Equipment will only be running and generating noise when needed for construction activities.

8. Land and Shoreline Use [\[help\]](#)

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. [\[help\]](#)

The site is a floodplain with agricultural and forestry lands adjacent. The project should not affect nearby land uses.

- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? [\[help\]](#)

Yes the adjacent lands to the project have been used for farming, and forestry. None of the lands will be converted to other land uses.

- 1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how: [\[help\]](#)

No.

- c. Describe any structures on the site. [\[help\]](#)

None.

d. Will any structures be demolished? If so, what? [\[help\]](#)

No.

e. What is the current zoning classification of the site? [\[help\]](#)

The left bank is zoned AG and most of the right bank is zoned CF.

f. What is the current comprehensive plan designation of the site? [\[help\]](#)

AG and CF.

g. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)

Conservancy.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [\[help\]](#)

Yes. Geologically hazardous area, frequently flooded area, critical aquifer recharge area, wetland area, wildlife habitat conservation area, fish habitat conservation area.

i. Approximately how many people would reside or work in the completed project? [\[help\]](#)

0.

j. Approximately how many people would the completed project displace? [\[help\]](#)

0.

k. Proposed measures to avoid or reduce displacement impacts, if any: [\[help\]](#)

THE PROJECT IS DESIGNED TO NOT INCREASE 100 YEAR FLOODING TO ANY INSURABLE STRUCTURES.

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [\[help\]](#)

Outreach to and permit authorizations from Whatcom County River and Flood, Planning and Development Services, and Washington Department of Natural Resources Aquatics, Washington Department of Fish and Wildlife, US Army Corps. Of Engineers.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: [\[help\]](#)

The project is designed to avoid adverse effects to such lands.

9. **Housing** [\[help\]](#)

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [\[help\]](#)

0.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [\[help\]](#)

0.

c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#)

NA.

10. **Aesthetics** [\[help\]](#)

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? [\[help\]](#)

Structure heights are up to 9 ft. above existing grade. Materials are Western Red Cedar and Douglas Fir logs.

b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)

None.

c. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)

None.

11. **Light and Glare** [\[help\]](#)

a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [\[help\]](#)

None.

b. Could light or glare from the finished project be a safety hazard or interfere with views? [\[help\]](#)

No.

c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#)

None.

d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#)
None.

12. Recreation [\[help\]](#)

a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)
The area is off limits to limb propelled flotation devices. The main recreational uses for the area are boaters, fishers, and swimmers.

b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)
No. It is not likely that the project will displace any existing recreational uses and would likely enhance fishing opportunities.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)

As part of the Aquatics Right of Entry permit from DNR we will submit a Public Safety Checklist and in addition, the project site is required to have signs informing users of potential in water hazards. Signs will be placed at known entry points for recreational boaters, on river bars upriver of structures, and warning signs on ELJ structures.

13. Historic and cultural preservation [\[help\]](#)

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe. [\[help\]](#)

No.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. [\[help\]](#)

There is no evidence of historical, archaeological, scientific, or cultural landmarks on the site. However, the Nooksack Tribe Natural Resources Department will contact the Nooksack Tribe Cultural Department for review prior to any ground disturbing work being completed. An inadvertent discovery plan will be required based on experience from similar past projects that we have completed.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc. [\[help\]](#)

See b. above.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required. [\[help\]](#)

See b. above.

14. Transportation [\[help\]](#)

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. [\[help\]](#)

Access to the site will be from 5864 Saxon Road for Phase 2. Equipment and materials brought to the site will be via Hwy. 9 Melang Rd. and Saxon Rd.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop? [\[help\]](#)

No.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)

No parking spaces would be created and no spaces would be eliminated.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). [\[help\]](#)

No.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [\[help\]](#)

No.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates? [\[help\]](#)

None.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe. [\[help\]](#)

No.

h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)

None.

15. Public Services [\[help\]](#)

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. [\[help\]](#)

No.

b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)

None.

16. Utilities [\[help\]](#)

a. Circle utilities currently available at the site: [\[help\]](#)

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,
other _____


No utilities are available at the site, nor are they needed.

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. [\[help\]](#)

None.

C. Signature [\[help\]](#)

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature:  _____
Name of signee _____ Katherine Canete
Position and Agency/Organization _____ General Manager
Date Submitted: 3/30/17 Nooksack Indian Tribe

D. supplemental sheet for nonproject actions [\[help\]](#)

(IT IS NOT NECESSARY to use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

Proposed measures to avoid or reduce such increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources?

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.