

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

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

Weaver Creek Realignment

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

Rich Geiger, Mason Conservation District

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

Mason Conservation District, 450 West Business Park Road, Shelton, WA 98584
360-427-9436 x 118

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

13 June 2016

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

Mason County DCD

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

July 15-September 15 2016

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

No

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

Washington Hydraulic Permit Application
JARPA

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. [\[help\]](#)

Washington HPA

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

This project proposes to realign Weaver Creek to join Purdy Creek. The existing Weaver Creek channel is blocked by gravel which has spilled out of the Skokomish River. This blockage is preventing fish migration and is causing anoxic water conditions, toxic to fish. This stream realignment will restore fish passage and correct this water quality deficiency.

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. [\[help\]](#)

Proceed North of Shelton on US Hwy 101 to East Bourgault Road in the Skokomish Valley. Proceed East on East Bourgault road for a distance of approximately 800' beyond the Weaver Creek Bridge to the project area. Project is located in Mason County, Township 21 North, Range 4 West, Section 14.

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

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

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

(circle one): **Flat**, rolling, hilly, steep slopes, mountainous, other _____

b. What is the steepest slope on the site (approximate percent slope)? [\[help\]](#)
50% - Weaver Creek Stream 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. [\[help\]](#)
Dungeness Silt Loam and Skokomish Silt Loam

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [\[help\]](#)
No

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. [\[help\]](#)
New Stream Channel will be approximately 30' wide and 650' long. 10 planting mounds are proposed with a base area of 1870 square feet, or a total of 0.43 acres.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [\[help\]](#)
Yes. The newly-excavated channel and the planting mounds will have bare soils immediately after excavation and placement.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? [\[help\]](#)
No impervious surfaces are proposed.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)
The channel excavation shall be isolated by leaving earthen plugs in place at the inlet (Weaver Creek) and outlet (Purdy Creek) until all other construction is completed. The plugs will be removed slowly, beginning with the downstream plug, to prevent excess sedimentation of surface water. The planting mounds will be stabilized with seed and mulch and then planted with native riparian vegetation.

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. [\[help\]](#)

Diesel fumes from excavators and dump trucks.

- 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: [\[help\]](#)

N/A

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. [\[help\]](#)

Purdy Creek and Weaver Creek

- 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 plans

- 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. [\[help\]](#)

1760 CY of material will be excavated from the new channel and then placed to form 10 planting mounds.

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

This project will divert Weaver Creek into Purdy Creek to restore stream flow and fish passage.

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

Yes, the entire site is within the 100 year floodplain.

- 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. [\[help\]](#)

N/A

- 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. [\[help\]](#)

N/A

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. [\[help\]](#)

Typical surface runoff from surrounding area

- 2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)
No, except for sediment during construction. Earthen plugs will be left at both ends of the newly-excavated creek until all other construction is completed. Earthen planting mounds will be stabilized with seed and straw.

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

Yes, flow from Weaver Creek will be diverted into Purdy Creek.

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

N/A

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

- b. What kind and amount of vegetation will be removed or altered? [\[help\]](#)
Approximately 0.45 acres of pasture grass will be removed for channel excavation.
- c. List threatened and endangered species known to be on or near the site. [\[help\]](#)
No known endangered plant species.
- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: [\[help\]](#)
Planting mounds will be planted with native riparian plants to provide shade and cover to the new stream channel.
- e. List all noxious weeds and invasive species known to be on or near the site. [\[help\]](#)
Reed Canary Grass, Knotweed

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:
mammals: deer, bear, elk, beaver, other:
fish: bass, salmon, trout, herring, shellfish, other _____

- b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)
Puget Sound Chinook, Hood Canal Summer Run Chum, Steelhead, Bull Trout
- c. Is the site part of a migration route? If so, explain. [\[help\]](#)
No
- d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)
Riparian planting will provide improved habitat and a covered movement corridor for wildlife
- e. List any invasive animal species known to be on or near the site. [\[help\]](#)
There are no people out there anymore.

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. [\[help\]](#)

N/A

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: [\[help\]](#)

N/A

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. [\[help\]](#)

1) Describe any known or possible contamination at the site from present or past uses.

[\[help\]](#)

None

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

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. [\[help\]](#)

None

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

N/A

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

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

Noise from Construction Equipment

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. [\[help\]](#)

Construction noise from 7 AM to 5 PM

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

N/A

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. [\[help\]](#)

Surrounding properties are vacant land, this project will not affect their 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? [\[help\]](#)

This area used to be agricultural until elevated ground water levels rendered agricultural activities impossible.

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? [\[help\]](#)

Vacant Land

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

Rural Agricultural

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.

[\[help\]](#)

Floodplain

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

None

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

None

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

N/A

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

N/A

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any: [\[help\]](#)

N/A

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

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

None

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

None

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

N/A

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? [\[help\]](#)

4'

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

None

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

N/A

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: [\[help\]](#)

N/A

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

- a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)

Hiking & Fishing

- b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)

No

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

None

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 located on or near the site? 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. [\[help\]](#)

No

- 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. [\[help\]](#)

A cultural resources survey will be conducted in conjunction with the Skokomish Tribal Historical Office to determine if cultural artifacts may be present.

- 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. [\[help\]](#)

A cultural resource discovery plan will require the contractor to stop work if artifacts are found during excavation. The Skokomish Tribal Historical Office will take control and process the area before construction resumes.

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. [\[help\]](#)

East Bourgault Road, no access to the road is proposed as part of this project.

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? [\[help\]](#)

None

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: [\[help\]](#)

N/A

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. [\[help\]](#)

N/A

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

a. Circle utilities currently available at the site: [\[help\]](#)
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,
other None

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. [\[help\]](#)

N/A

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 Richard J. Getzger

Position and Agency/Organization District Engineer, Mason Conservation District,
agent for Skokomish Tribe

Date Submitted: 6/28/16