

# SEPA ENVIRONMENTAL CHECKLIST

## ***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:***

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: **Beaver Creek Reach 5 Fish Habitat Restoration Project**
2. Name of applicant: **Confederated Tribes and Bands of the Yakama Nation**

3. Address and phone number of applicant and contact person:

**PO Box 151**

**Toppenish WA, 98948**

**509-865-5121**

4. Date checklist prepared: **6/3/19**

5. Agency requesting checklist: **Washington State Department of Fish and Wildlife**

6. Proposed timing or schedule (including phasing, if applicable): **August 15, 2019 through November 1, 2019**

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. **No**

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal.

- **Wetland Assessment,**
- **Rare Plant Assessment and Botanical Survey,**
- **Cultural Resources Survey and Section 106 Compliance**
- **Beaver Creek Reach Assessment (RM 1-11)**

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. **No**

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

- **Section 106 Historic Preservation Act Consultation (SHPO & Local Tribes)**
- **Section 7 ESA Consultation (HIP III Programmatic),**
- **County Shorelines and Critical Areas Permits (Okanogan County),**
- **Washington State Hydraulic Project Approval (WDFW),**
- **US Clean Water Act Sections 401 and 404 permits (Army Corps of Engineers and WA State Department of Ecology)**

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.)

**The project is designed to restore natural alluvial and floodplain habitat forming processes throughout approximately two miles of upper Beaver Creek a tributary to the Methow River. Imported and locally salvaged large wood will be installed within the mainstem of Beaver Creek and seasonally inundated side channels to increase floodplain inundation, retention of wood, sediment and water. This will increase the overall habitat diversity, quantity and quality for ESA-listed Columbia River Steelhead. This large scale process restoration project will also increase water quality downstream and improve sediment retention where infrastructure will not be affected.**

Four large wood revetments will be installed along the Okanogan County roadway to improve long-term road stability. Four hundred and fifty boulders will be collected onsite for ballast and grade stabilization. Two hundred of these boulders will be used to create step pools and stabilize the grade in the Piper Creek realignment. All fill generated by the project will be placed in a permanent repository located along Lester Road in accordance Okanogan County and WDFW requirements.

Several undeveloped camping locations will be removed from the riparian area where vegetation and bank stability is affected by users. This work will be directed by WDFW Wildlife Area Management.

At RM 8.9 a levee will be removed to reactivate a large side channel to increase stream channel length, create high flow refuge and improve habitat diversity. The outlet of Piper Creek will be realigned to RM 7.85 to increase floodplain water storage, improve wetland condition and create peripheral and transitional habitat.

A total of 414 pieces of large wood, measuring 18"-24" DBH and 40' long will be installed. Additionally 93 logs without roots will be used in construction of the revetment structures.

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.

**The Project is located between river mile 7.0 and 8.9 on Beaver Creek in Okanogan County, Washington. It can be accessed by Upper Beaver Creek Road off of State Route 20. For geographic reference; there is a school bus turn-around located near RM 7.0 and RM 8.9 is at the concrete bridge near the WDFW Beaver Creek Campground.**

The legal description is T:34N-R:22E-S:26

## **B. Environmental Elements** [\[HELP\]](#)

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

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other \_\_\_\_\_

b. What is the steepest slope on the site (approximate percent slope)?

**15%**

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.

**A general description of the soil types is alluvial sand, gravel, cobble and boulder. The NRCS Soil Survey results for the entire Area of Potential Effect, including upland staging areas and access**

routes include: Winthrop gravelly loamy sand, 0 to 15 percent slopes, 33.9%; Conconully gravelly ashy loam, 8 to 15 percent slopes, 15.9%; Conconully gravelly ashy loam, 0 to 8 percent slopes, 15.2%; Leiko ashy sandy loam, 0 to 25 percent slopes, extremely stony, 10.6%; Boesel fine sandy loam, 0 to 3 percent slopes, 10.1%; Conconully gravelly ashy loam, 25 to 65 percent slopes, extremely stony, 8.5%; all other soil types constitute <5% of the project area.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.

**Yes. There is evidence of streambank erosion within the project area. Upstream of the project site there is erosion associated with stream crossings and road infrastructure, particularly in Volstad Creek. Most of the instability is associated with steep cut banks and undersized or incorrectly installed culverts which are located on USFS roads and Okanogan County roads.**

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.

**The project proposal includes excavation to install large wood structures, remove imported floodplain fill, restore side channel, construct two backwater alcoves and realign piper creek. The total volume to be excavated is 6,366 cubic yards. All excavated material will be permanently stockpiled onsite as identified in the engineered designs. No fill will be imported from offsite sources. See the attached engineered designs for grading plan and specific cut and fill locations.**

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.

**Erosion may be increased locally around some structures and in areas disturbed during construction. In order to minimize erosion, disturbed areas will be seeded and covered with weed seed free straw. Wire backed erosion control fencing and/or straw filled wattles will be used in locations that may be prone to erosion.**

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?

**0%**

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:

**Weed seed free or native grass straw will be placed on access routes and excavation areas after construction. Straw wattles will be installed on the fill repository area as requested by WDFW. All disturbed surfaces will be seeded with native grass seed mixes after construction.**

## **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.

**Temporarily, during construction, dust will be generated through excavation and vehicle movement. Fuel emissions will also be released by heavy equipment and water pumps during construction as well. After construction no further emissions will result from this proposal.**

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.

**No**

c. Proposed measures to reduce or control emissions or other impacts to air, if any:

**We will use a water truck to minimize dust on the roads and in the staging areas during construction**

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

a. Surface Water: [\[help\]](#)

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.

**Surface Water Body: Beaver Creek – a perennial flowing Type-F stream, and tributary to the Methow River. Piper Creek – Type S, NF tributary to Beaver Creek.**

**Wetlands: Identified as A-G in the attached Wetland Delineation Report**

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.

**Yes. The entire project will be located within 200 feet of Beaver Creek or Piper Creek. See the project plans for additional details.**

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.

**OHW-Waterbody Impacts**

<b>Activity (clear, dredge, fill, pile drive, etc.)</b>	<b>Duration of impact<sup>3</sup></b>	<b>Amount of material (cubic yards) to be placed in or removed from waterbody</b>	<b>Area (sq. ft. or linear ft.) of waterbody directly affected</b>
Dredge	Permanent	1386 CY	12,749 SF
Fill	Permanent	1532 CY	23,158 SF
Fill (Large Wood)	Permanent	2236 CY	
Fill (Boulder)	Permanent	340 CY	
Cofferdam	Temporary		848 LF

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known.

**Small cofferdams will be erected to isolate the worksite from flowing water and minimize environmental impacts to local fish populations. Each site will be temporary, typically**

**not lasting longer than a couple days. At no point will the temporary cofferdams occlude the active channel.**

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.  
**All work will be performed within the 100-year floodplain. Staging of natural material will be permitted within the staging area boundaries, however refueling, fuel storage and equipment staging will be complete >150' from open water and wetlands. The fill repository is outside 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.

**NO**

b. Ground Water: [\[help\]](#)

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.

**No withdrawals of, or discharges to, groundwater are planned for this project.**

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.

**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.

**The project will not significantly alter stormwater runoff dynamics on the site.**

2) Could waste materials enter ground or surface waters? If so, generally describe.  
**Yes, however to mitigate for this risk the Contractor is required to produce a Spill Containment Plan and have emergency materials accessible on-site in the immediate area of construction.**

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

**The outlet of Piper Creek will be realigned to direct water onto an existing floodplain. This treatment is intended to provide quality wetland and peripheral and transitional habitat seasonally. Increasing roughness in the main channel is intended to aggrade the streambed in discrete areas to disperse water over a large area, reducing the magnitude of flood events.**

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any:

**The project is designed reduce the magnitude of flooding events by distributing water over broad floodplains. This will result in retiming of the hydrograph – improving late season low flows and riparian vegetation structure and condition.**

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

a. Check the types of vegetation found on the site:

- 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?

**Some shrubs, and early seral species will be affected by construction activities. Impacts will be minimized as much as possible. Access routes will be located outside the drip-line of live trees wherever possible. The number of access routes will be minimized.**

c. List threatened and endangered species known to be on or near the site.

**This is a habitat restoration project benefitting Columbia River Steelhead; a federally listed species under the Endangered Species Act with Threatened status.**

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

**Extensive replanting of disturbed areas will occur immediately after construction is completed. A Revegetation Plan has been completed by professional botanists and restoration ecologist. The plan was vetted through WDFW wildlife area management and biologists to ensure rapid recovery of plant communities.**

e. List all noxious weeds and invasive species known to be on or near the site.

**In 2017 the Yakama Nation contracted professional botanists to survey the Area of Potential Effect for noxious weeds and rare plants. A report was completed to inform restoration planning and revegetation within the project area. Table 1 (below) identifies the noxious weed species, classification and general location found within the project area.**

Table 1. Washington State Listed Noxious Weeds Observed within the Beaver Creek Reach 5 Survey Area

Scientific Name	Common Name	Weed Class <sup>1</sup>	Location and Abundance	
			Upper Site	Lower Site
<i>Acroptilon repens</i>	Russian knapweed	B	None observed	Several scattered stems north of the Piper Creek/Beaver Creek confluence.
<i>Artemisia absinthium</i>	Absinth wormwood	C	None observed	One observation along Beaver Creek in the northeast portion of the site.
<i>Centaurea diffusa</i>	Diffuse knapweed	B	Large patch along NFS Road 4225	Scattered patches throughout the site.
<i>Add Cirsium arvense</i>	Canada thistle	C	None observed	Scattered patches throughout site along Beaver Creek.
<i>Cirsium vulgare</i>	Bull thistle	C	Scattered individuals along NFS Road 4225	Scattered individuals throughout site along Beaver Creek.
<i>Kochia scoparia</i>	Kochia	B	None observed	Several stems scattered in old dirt road in the open pasture area, in the southeast portion of the site.
<i>Lepidium (Cardaria) draba</i>	Hoary cress (Whitetop)	C	None observed	Large patch observed in the west-central portion of site.
<i>Phalaris arundinacea</i>	Reed canarygrass	C	None observed	Scattered patches found throughout site along Beaver Creek.

<sup>1</sup> Washington State Noxious Weed Control Board (WSNWCB 2017) weed class definitions:

**Class B Weeds:** Non-native species presently limited to portions of the State. Species are designated for control in regions where they are not yet widespread. Preventing new infestations in these areas is a high priority. In regions where a Class B species is already abundant, control is decided at the local level, with containment as the primary goal.

**Class C Weeds:** Noxious weeds that are typically widespread in WA or are of special interest to the state's agricultural industry. The Class C status allows counties to require control if locally desired. Other counties may choose to provide education or technical consultation.

## 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.

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.

### ESA-Listed (threatened) Columbia River Steelhead

- c. Is the site part of a migration route? If so, explain.

**Yes. Mule Deer, Steelhead and many avian species migrate through the area.**

- d. Proposed measures to preserve or enhance wildlife, if any:



**In an effort to minimize interruption in migrations of wildlife the browse exclusion will consist of individual cages and fenced exclusion areas in discrete locations. Revegetation will result in fast recovery of the construction site and reduce fracturing of habitat continuity.**

e. List any invasive animal species known to be on or near the site.

**None known.**

## **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.

**None**

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.

**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:

**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.

**During construction activities there will be an increased risk of fire. The project will conform to Industrial Fire Precaution Level restrictions and take the necessary precautions to minimize potential ignitions and control spread if a fire is started. Additionally, prior to commencing construction activities, we will mow the project area multiple times to reduce fine fuel loading.**

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

**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.

**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.

**None known.**

- 4) Describe special emergency services that might be required.

**There is cell phone coverage throughout the project area. In case of a serious accident the protocol will be to contact 9-1-1.**

- 5) Proposed measures to reduce or control environmental health hazards, if any:

**Crews working on the project will wear the appropriate PPE. Work around snags will be minimized. Public access to the worksite will be prohibited during hours of operation or under direct supervision of qualified personnel.**

*b. Noise*

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

**There will be traffic and heavy equipment noise originating from the project site during typical working hours. No work will occur near the campground between the hours of 7:00 PM and 8:00 AM.**

- 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.

**Short term noise will be generated from heavy equipment, pumps and traffic.**

- 3) Proposed measures to reduce or control noise impacts, if any:

**Daily work schedule will be planned to minimize impacts to local landowners and campers.**

**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.

**There is a WDFW campground located at the north end of the project area. The majority of the properties were acquired for conservation of fish and wildlife as well as public use for hunting.**

- 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?

**The project will not change the designation of any landuse within the project area. The project is also located on property owned by Washington State Department of Fish and Wildlife which is exempt from paying County and State Taxes.**

- 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:

**No**

c. Describe any structures on the site.

**There is a concrete bridge along the County road near RM 8.9 and some cultural resource structures associated with a homestead site. No structures will be affected by our work.**

d. Will any structures be demolished? If so, what?

**No. The project will avoid impacting any structures.**

e. What is the current zoning classification of the site?

**The zoning classification is Methow Review District Uplands 20**

f. What is the current comprehensive plan designation of the site?

**The DOR land use code is 76- Parks.**

g. If applicable, what is the current shoreline master program designation of the site?

**NA**

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

**No**

i. Approximately how many people would reside or work in the completed project?

**0**

j. Approximately how many people would the completed project displace?

**0**

k. Proposed measures to avoid or reduce displacement impacts, if any:

**No one will be displaced by the proposed project.**

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

**The Project will not affect any existing or projected land uses.**

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

**The Project will not affect any existing or projected land uses.**

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

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.

**0**

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

**0**

c. Proposed measures to reduce or control housing impacts, if any:

**None**

### **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?

**No buildings will be erected as part of this project. Materials that will be used are locally sourced trees, boulders and fill.**

b. What views in the immediate vicinity would be altered or obstructed?

**None**

b. Proposed measures to reduce or control aesthetic impacts, if any:

**The natural aesthetic of the area will not be affected by the Project.**

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

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

**None**

b. Could light or glare from the finished project be a safety hazard or interfere with views?

**No**

c. What existing off-site sources of light or glare may affect your proposal?

**None**

d. Proposed measures to reduce or control light and glare impacts, if any:

**None**

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

a. What designated and informal recreational opportunities are in the immediate vicinity?

Hunting, Camping, Hiking

b. Would the proposed project displace any existing recreational uses? If so, describe.

**Yes, two campsites will be decommissioned as a result of this project.**

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

**To offset impacts to two campsites at the WDFW campground the Project will create four new tent pads and parking areas with fire rings as directed by the Wildlife Area Manager.**

### **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.

**Yes. We have completed Section 106 consultation and received concurrence from DAHP and the two consulting Tribes. Site 450K02208 was identified as eligible. 45OK02208 is the remnants of what is likely a historic homestead or farmstead. According to the GLO Records a land patent database, the parcel where this homestead was identified was owned by a Oliver Piper. The patent was issued in 1903. The site includes 3 structural features and one historic artifact. The site is at the north-northwest edge of a broad grassy terrace that overlooks a floodplain of Beaver Creek. There are 4 apple trees located (100-ft) east of the homestead adjacent to the road. Due to the sensitive nature of Cultural resources the environmental compliance staff with BPA have decided not to disseminate the cultural resource reports.**

- 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.

**Archaeologists from the Yakama Nation conducted a literature review and field survey of the entire APE and submitted a report to BPA for Sect. 106 compliance.**

- 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.

**The Yakama Nation completed cultural resource survey and report.**

- 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.

**The project will avoid impacts to cultural resources and follow the guidance provided by DAHP in regards to inadvertent excavation of artifacts.**

#### **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.

**During construction there may be limited congestion along Upper Beaver Creek Road. This will be very sporadic and is not expected to create any unsafe driving conditions. The dirt roads, access routes and staging areas will be watered to minimize dust. All roads will be signed in accordance with regulations for construction and road maintenance activities. There will be no long-term adverse effect on traffic associated with 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?

**No**

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

**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).

**No**

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

**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?

**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.

**No**

- h. Proposed measures to reduce or control transportation impacts, if any:

**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.

**No**

- b. Proposed measures to reduce or control direct impacts on public services, if any.

**None**

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

- a. Circle utilities currently available at the site:  
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,  
other \_\_\_\_\_

- c. 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.

**NA**

## **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: Jarred Johnson

Position and Agency/Organization: Fish Habitat Biologist II, Yakama Nation Fisheries

Date Submitted: 6/17/19

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