SEPA ENVIRONMENTAL CHECKLIST

UPDATED 2014

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*:** [help]

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]
The Chewuch River Right Project

2. Name of applicant: [help]
Goudy, JoDe L, Yakama Nation Chairman

3. Address and phone number of applicant and contact person: [help]

Applicant:
Goudy, JoDe L, Yakama Nation Chairman
P.O. Box 151 Fort Road,
Toppenish, WA 98948

(509) 865-5121

Contact Person:
Chris Butler, Habitat Fisheries Biologist II,
Yakama Nation Fisheries UCHRP
14 Piney Woods Road
Twisp, WA 98856.

(509) 996-5005

4. Date checklist prepared: [help]

March 12, 2015

5. Agency requesting checklist: [help]

WDFW

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

The Chewuch River Right Project will be done in 3 phases.

Phase 1: Instream work (Engineered Log Jams): July 1, 2015 to August 1, 2015.

Phase 2: Side Channel Construction: August 1, 2015 to October 1, 2015.

Phase 3: Native re-vegetation planting will proceed following completion of Phase 1 & 2: October 1, 2015 to November 1, 2015.

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]

- JARPA Application
- Section 401 Water Quality Certification
- Section 404 Permit
- Hydraulic Project Approval
- ESA Section 7-Programmatic Consultation- SPIF
- Cultural Resource Inventory Report: NHPA-Section 106 Consultation
- Wetland Delineation Report

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]

Okanogan County:

- SEPA Checklist

- Shoreline Exemption (Type): Fish and Wildlife Habitat Enhancement Project (WAC 173-27-040-2-p)

State of Washington: A JARPA application is being prepared for permits/ approvals for the following:

- Department of Fish and Wildlife: Hydraulic Project Approval
- Department of Ecology: 401 Water Quality Certification,
- U.S. Army Corps of Engineers: Section 404 Permit,
- Department of Archeological/Historic Preservation: Cultural Resource Inventory Report- Sect. 106 Consult and Cultural Resources Inventory Report.
- National Marine Fisheries Service & National Oceanic Atmospheric Administration: ESA Section 7- Programmatic Consultation- SPIF.

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 Yakama Nation, in partnership with Washington Department of Fish and Wildlife (WDFW), is proposing to improve riparian and instream habitat function along the Chewuch River from river mile 11.75 to 13. Specific activities associated with this proposal include the following:

- Installation of Engineered Log Structures (ELS's) in and adjacent to the Chewuch River
- Installation of Engineered Log Cover Habitat in and adjacent to the Chewuch River
- Side Channel excavation and pool habitat development
- Wetland development
- Replanting of native grasses, shrubs, and trees in disturbed areas with some expanded riparian buffer.

As a habitat restoration project, our design is meant to improve ecological conditions within the project area by creating additional wetland habitat, improving vegetation conditions within existing wetlands, and adding habitat complexity via large wood installations that benefit wildlife utilizing the wetland areas.

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]

Okanogan County
Township 36N, Range 21E, Section 13

West State Land Access

- From 4-way stop in Winthrop, travel west on WA-20 out of town about 0.2 miles to the west.
- Take a right on West Chewuch Road, following it for 6.7 miles to a stop sign.
- Continue straight on FS Road 5140 for 3.9 turn right for State Land dispersed camping area.

B. ENVIRONMENTAL ELEMENTS [help]

1. Earth

a. General description of the site [help]
(circle one): Flat, rolling, hilly, steep slopes, mountainous,
other _____

Riverbank and flat

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

Landform is flat slopes less than 5%.

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]

No prime farmland. All soils contain low surface river cobbles, sandy loams, with organic inclusions throughout the historic river floodplain.

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

The existing soils do not demonstrate surface or historical characteristics of unstable soils. Based on recent hydraulic modeling conducted in 2014, the existing bank erosion is a result of hydraulic impediments that have shifted in the river system. Historically channel avulsions occurred on the frequency of decades. Based on the past 50+ years of events no avulsions have occurred.

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]

The project does not create upland; it changes the hydrology and the type of aquatic habitat. The project includes creation of a side channel (which is expected to flow year round and develop wetland characteristics), that will result in a wetland fringe along the channel, and includes extensive native vegetation plantings in the wetlands and their buffers.

Large wood= 400 pieces

Gravel=1 cy

Fill material will be required to stabilize the ELJ's. The fill source is native materials excavated onsite during channel excavation. Approximately 1,500 cubic yards of material will be removed. Approximately 236 pieces of large woody debris will be placed throughout the side channel. Wetland creation is 1.55 acres with plantings and seeding. The total area of impact is 1.7 acres.

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

Yes, there will be slight amounts of bank erosion that could occur during construction but extra measures will be taken to prevent eroded materials from entering the Chewuch River. Using a combination of dewatering pumps, silt fence, and coffer dams, we will keep material from being pushed and eroded from the excavation site via hydraulic pressure during construction. Bank erosion is not anticipated to be an issue post construction.

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]

We will use a combination of best management practices to minimize the potential for sediment production and delivery to water channel:

- Timing construction activities to avoid earth disturbances during periods of high precipitation;
- Follow a dewatering plan: dewatering pumps, silt screens, check dams, and coffer dams (constructed of super-sac will be filled with WDFW spawning gravel mix);
- Use of straw bales, silt fencing, and berms where needed;
- Implement Revegetation Plan: Bare soils will be aggressively planted with native trees, and shrubs, and hydro-seeded with a straw mulch/native grass/herbaceous mix to prevent bare soil erosion post construction.
- Cover exposed soil stockpiles and slopes;
- Monitor downstream turbidity, during construction to document the effectiveness of implemented measures; and
- Construct temporary sedimentation ponds to detain run-off waters where appropriate.

2. Air

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]

During project construction there will be some short-term diesel exhaust emissions and airborne dust emissions. The emissions will come from an excavator, loader, and dewatering pumps. Emissions are likely to occur during the excavation and grading of soil materials for placement of ELJs and necessary road improvements. After completion of the project no emissions are projected.

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

Dust abatement measures will be implemented to reduce onsite dust emissions:

- Water application as needed to access road and staging area.

Construction equipment will be retained onsite to reduce diesel emissions:

- Minimize number of trips on and offsite
- Maintain engines in good working condition.

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

Not applicable.

3. Water

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. [help]

Yes- the project is located along the river banks of the Chewuch River. This is a year-round stream. The Chewuch River flows into the Methow River which eventually flows into the Upper Columbia River.

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 – this is a fish habitat enhancement project. The project is located within 200 feet of the Chewuch River.

Engineered Large Wood Jams: The project would entail excavating and placing 4 ELJs. The area of proposed excavation would have a cofferdam around it during the excavation sequencing. The site will be de-watered within the cofferdam. A diesel powered pump will be used to remove sediment laden water from the coffered area and deliver it onto the adjacent uplands for infiltration back into the stream. Once the dam is in place an excavator will then be used to remove material from the bank so that a ELJS can be placed by the excavator. A portion of the excavated material will be placed in a dump truck to be wasted at a location out of the floodplain. Each ELJ will be comprised of logs with and without rootwads. Logs and attached rootwads will be strategically placed by the excavator. At that time the excavator will then re-grade the disturbed site to the existing bank contour as well as fill in around the logs. A portion of the excavated material will then be disposed of at an approved predetermined upland site.

Engineered Large Wood Cover Habitat: An access route will temporally be disturbed by clearing, grubbing, and compaction from equipment mobilization to and from the work site within the proposed side channel clearing limits. The location of ELCH is an open alcove were beaver activity at the upper portions of the channel created year round flooded areas. The confluence of this channel will be blocked off by using sandbags and silt fencing in order to create a secluded work space. Once the coffer dam is in place any stranded fish will be removed. Water pump(s) will be used to reduce/lower the head pressure from the inside of the cofferdam if needed. The ELCH will be comprised of logs with and without rootwads. Logs and attached rootwads will be strategically placed. Once the logs are in place the equipment will then strategically place vibratory pile driven trees in and around the ELCH for ballasting,

Side Channel Construction: A 2,500 foot side channel will be excavated to create habitat for both staging and rearing juveniles. The side channel is located in the same location as a remnant side channel that flowed through the terrace many years ago. The side channel begins at a beaver pond and extends upstream 2,500 feet to the north were the inlet of the side channel will meet the Chewuch River. The deepening of the side channel will allow the Chewuch River to create access for fish use year round. The side channel will provide staging, rearing, and hydraulic refuge for fish. It is expected that some ground water will be captured in the excavation of the side channel. The ground water captured will provide refuge during peak summer temperatures and as well provide habitat for mammals and reptiles currently utilizing the area.
In July, upon completion of the inlet ELJ and prior to removing the cofferdam; a temporary cofferdam will be put in place within the channel inlet to help eliminate access for water and fish to the channel. The cofferdam will be made up of washed rock that is placed within sandbags and constructed near the grade control behind the inlets ELS's. A piece of plastic will be placed on the face of this cofferdam to help eliminate any water seepage. The coffer dam for ELS construction will then be removed. The temporary channel cofferdam will remain in place until spring of 2016 due to fall spawning in 2015. When the cofferdam removal takes place the washed rock will be placed in the Chewuch River below the channel inlet ELS.
Leaving the temporary coffer dam in place will allow excavation to proceed without water from the Chewuch River to enter the new channel and without turbid water from the new channel entering the Chewuch River before its completion. Channel construction and alignment will take place during low flow, August and September. All elevations identified on the plan and profile view shall be verified by laser level to within 0.05 feet of specified elevations. All planned pools and wood structures will be put in place, *see attached plan set*.
A tracked excavator and dump trucks will be used to excavate/move material. The route of the new side channel and the associated wood structures are shown on the attached construction plans.
Topsoil and subsoil materials will be consecutively excavated, removed outside the project area in a predetermined approved location. Approximately 15,000 cubic yards of materials will be removed. Following final alignment of the new channel large wood and log structures will be installed in the pond and along the length of the new channel as shown on the site plans.

Wetland Creation: The intent of wetland creation is to replace wetland habitat functions and values lost through conversion of those functions and values to aquatic habitat for listed fish species. Wetland creation measures will create 0.85 acres of wetland in an area currently serving as parking and campground sites, and will create an additional 0.70 acres of wetland adjacent to the constructed side channel to compensate for the conversion of 0.26

acres of wetland to side channel habitat. Proposed wetland creation is immediately proximate to the wetland impact areas. Wetlands to be created at the camp and parking areas are adjacent to an existing, semi-permanently ponded wetland, and is located between the Chewuch River and the side channel restoration area. This creation feature is expected to be an extension of the wetted margins of the existing feature. The 0.70-acre creation wetlands would occur at various locations along the constructed channel. These areas would be wetted by contributions from the perennial side channel and possibly at times by a high groundwater table.

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]

15,000 CY of material will be removed, and 93-100 CY of LWD fill. The area affected is 1.7 AC. LWD fill will be obtained from an offsite legal source.

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

Yes, a coffer dam will be installed to isolate each work area along the bank. See "Water-2) above".

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

Yes

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, every effort will be made to prevent erosion of fines into the river.

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]

Yes. Project will require dewatering of excavated channel during construction using diesel powered dewatering pumps. The water source during excavation will be ground water that the project is designed to intercept through excavation. This water will be re-introduced to the inter-gravel flow via placement on the higher elevation ground surface very close to the excavation sites. Quantities unknown at this time.

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]

No runoff impacts. Runoff will continue to be controlled by natural processes.

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

No, vehicles will be fueled at least 150 feet from the river. An oil spill containment kit will be onsite. Nontoxic hydraulic fluid will be used, and every effort will be made to prevent erosion of sediment into the river.

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

Yes- please see description above in 3-2, Side channel creation.

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

Appropriate handling and storage of construction materials, fuels, hydraulic fluids, and/or solvents will comply with the State NPDES construction permit requirements. An Emergency Spill Prevention Control Plan will be required by the contractor and implemented throughout the construction project. Ensuring equipment in good working condition and using a licensed and bonded contractor with competent crew will help reduce health hazards during construction. During construction non toxic hydraulic fluid will be used, vehicles will refuel at least 150 feet from the river, and an oil spill containment kit will be onsite.

4. **Plants** [help]

a. Check the types of vegetation found on the site: [help]

__X__deciduous tree: alder, maple, aspen, other
__X__evergreen tree: fir, cedar, pine, other
__X__shrubs
__X__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
__X__other types of vegetation

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

Some trees, shrubs, wetland grasses/herbs, will be removed from the excavated areas. Approximately 15,000 cubic yards of material in total will either be disturbed or removed and replanted.

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

Ute Ladies-tresses (none found at this time)

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

The site will be planted in accordance with an approved native planting plan immediately following construction using native plants, shrubs, grasses, and herbaceous seed mix to restore the vegetation onsite to pre-construction conditions or better. Onsite monitoring will be maintained following project completion to ensure success.

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

5. **Animals**

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: [help]

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]

ESA listed:

Upper Columbia River Spring Chinook (Endangered)
Upper Columbia River Steelhead (Endangered)
Bull Trout (Threatened)

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

Yes, as addressed in the Upper Columbia Salmon Recovery Plan, Chewuch River Reach Assessment, and Aquatic Restoration Plan Lower Chewuch River 10th Field Guide area of "Limiting Factors"; the Chewuch River has been identified as a river that provides invaluable migratory and rearing fish habitat. By implementing this project in these particular areas it will create pools, channel complexity, and habitat for juvenile and adult salmonids.

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

The project is a fish habitat restoration project meant to benefit listed fish species. Majority of existing upland habitat conditions onsite will remain undisturbed. Placement and plantings of Large Woody Debris and native plant species into areas disturbed by excavation of the side channel will provide habitat diversity and vegetation cover suitable for existing terrestrial wildlife species.

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

None

6. **Energy and natural resources**

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]

None

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**

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]

No

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

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.

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.

None

4) Describe special emergency services that might be required.

Not applicable

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

None

b. **Noise**

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 is expected during day time hours of operation from an excavator, loader, dewatering pumps, and vehicle traffic entering and exiting the site. Construction activities include clearing, grading, and excavation of materials onsite.

Construction activities can be expected to produce both stationary (on-site) activities and transportation of equipment and materials to and from site. This will be minimized once staging area is in place. Hours of operation will be in compliance with county ordinances.

Long-term noise: None.

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

Noise mitigation measures:

Construction hours of operation will be in compliance with Okanogan County ordinances.

Minimize the number of trips leaving the site once equipment and staging areas are in place.

8. **Land and shoreline use**

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 immediate project area is both utilized as a camping destination and is mostly undeveloped critical habitat (upland, wetland, wetland and stream buffers, floodplain) that is not being actively maintained or managed outside the camping area by the property owners.
A single family land owner to the south of the property owner is used as a vacationing destination.

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]

No

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. [help]

The proposed project area is located on a State land ownership and is a total of 1 mile in length. There is a dispersed camp ground on the state property. Two pit toilets and developed camp sites (fire ring, gravel RV parking, and a cleared area for tent camping) are found on the south west portion of the property.

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

No

e. What is the current zoning classification of the site? [help]

Methow review district

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

Not Applicable

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

Wilderness

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

No

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]

NOT APPLICABLE

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

NOT APPLICABLE

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

NOT APPLICABLE

9. **Housing**

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]

None

10. **Aesthetics**

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

None. Not applicable

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

None. Not applicable

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

None. Not applicable

11. **Light and glare**

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

None. Not applicable

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

None. Not applicable

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

None. Not applicable

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

None. Not applicable

12. **Recreation**

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

Camping, swimming, hiking, biking, and non-motorized boating.

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

Yes, the camp ground will remain closed for 3 months during construction activities. Recreational users will be directed 1 mile north to another camping location.

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

Notify adjacent property owner, agencies, and river user groups of construction schedule to minimize conflict of recreational activities within the immediate vicinity of the project. Place proper signage and notification at river access areas immediately upstream.

13. **Historic and cultural preservation**

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 inventory report has been prepared for compliance with DAHP Section 106 and consultation will be obtained prior to construction.

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.

Not Applicable

14. **Transportation**

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]

The site is located adjacent to the Westside Chewuch Road which is approximately 11 miles north from State Highway Route 20, north of Winthrop.

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]

Not Applicable

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]

Not Applicable

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.

Not Applicable

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

Not Applicable

15. **Public services**

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**

a. Circle utilities currently available at the site: [help]
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____

Not Applicable

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]

Not Applicable

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 ____Chris Butler_____

Position and Agency/Organization _Habitat Fisheries Bilogist II / Yakama Nation

Date Submitted: __March 12, 2015

3.