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 Hatchery Risk Road Trap*

2. Name of applicant: *Doug Wiedemeier, WDFW*

3. Address and phone number of applicant and contact person: *600 Capitol Way N, Olympia WA 98501-1091; 360-789-2464*

4. Date checklist prepared: *August 10, 2020*

5. Agency requesting checklist: *WDFW*

6. Proposed timing or schedule (including phasing, if applicable): *Begin construction in fall 2020 (if permits obtained, otherwise 2021) and complete work within 3 months of beginning work.*

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

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. *The National Wetlands Inventory shows a riverine Wetlands in the draw. WDFW did not observe any wetland plants present.*

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. *None known.*

10. List any government approvals or permits that will be needed for your proposal, if known. *WDFW will pursue all local permits with Wahkiakum County, and a hydraulic project approval. The U.S. Army Corps has been shown the project, and it does not require a federal permit.*

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.
The Washington State Department of Fish and Wildlife (WDFW) proposes to upgrade the Risk Road Fish Trap. This trap allows reurning fish to be caught and moved when low flows might otherwise prevent those fish from reaching the WDFW hatchery. The proposed work is needed to keep this facility productive and safe. Neighboring parcels are agricultural.
WDFW proposes the following scope of work:

1. Clean and expose footings of existing crane and all bolts and fasteners.
2. Unbolt existing crane, piece by piece and load onto a flatbed trailer for removal.
3. The pre-fabricated parts of the new crane will be assembled using a boom truck or other equipment onto the existing footings.
4. Two new pre-formed concrete blocks will be placed on native ground to serve as counter balance for the crane.
5. Work site will be cleaned up after work is completed.

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.

Township 9N, Range 6W, section 36. Wahkiakum County. N 46.226403 W -123.371974
Access is through private land and gated. Project is less than two miles NNE from Cathlamet.
See plans for additional location information.

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)? *Not counting riverbanks, slopes are less than 10%.*

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.
The site has about 85% Nuby silt loam and 15% Grehalem silt loam. Project does not remove soils.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. *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.
Purpose: upgrade crane to continue to safely move fish as needed for management purposes.
There will be less than 400 square feet of disturbance. There will be a net increase of 3.73 Cubic Yards (the counter weights).
See permitting plans for details.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
Possibly, however BMPs will be in place. Once construction has been completed and soils are stabilized, there should be minimal risk of future erosion. Upon completion, areas of bare soils will be seeded.

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings *No change in the coverage of impervious surfaces.*

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: *BMPs will be in place during and after construction to control erosion. Project should not have any adverse effects.*

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. *There will be an increase in diesel emissions while construction is occurring. Upon completion emissions should return to current levels.*

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. *None known.*

c. Proposed measures to reduce or control emissions or other impacts to air, if any: *None, as once construction is complete emissions should return to normal levels.*

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. *Yes, project is along the Elochoman River, which is a Type S water. The Elochoman River flows into the 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. *Yes, work is over, within, or within 200 feet of OHWM. 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.
No fill and no dredge below OHWM.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. *No.*

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. *Yes, the project does extend over the 100 year floodplain. However the new crane uses the same concrete mounting points as the existing crane.*

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, this project will not result in changes to discharge at the site.*

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.*

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. *No discharge.*

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. *Presently, stormwater is shed off the site.*

2) Could waste materials enter ground or surface waters? If so, generally describe. *The work crew will have spill equipment on site during construction.*

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. *No.*

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: *No changes.*

4. Plants [help]

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

_x___deciduous tree: **alder, maple**, aspen, other: **cottonwood**
_x___evergreen tree: **fir**, **cedar**, pine, other
__x__shrubs
__x__grass
__X__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? *No major vegetation will be removed. There may be some minor trimming to allow equipment to work safely, and perhaps a slight decrease in grass/forbs. Disturbed soils will be replanted upon project completion with appropriate grass seed.*

c. List threatened and endangered species known to be on or near the site.
No listed plant species per the USFWS web site.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: *Currently there are no plans to landscape, as we anticipate not impacting existing vegetation. However, disturbed ground that is not covered by gravel or other surfacing will be seeded, and any native vegetation that is destroyed will be replaced with similar native vegetation and planted at an appropriate time to ensure growth and survival.*

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

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 __**smelt**_____

b. List any threatened and endangered species known to be on or near the site.
Eulochon, steelhead, chinook, coho, bull trout, Columbia white-tailed deer, and marbled murrelet.

c. Is the site part of a migration route? If so, explain.
Yes, the site is in the Pacific Flyway. Fish migrate annually.

d. Proposed measures to preserve or enhance wildlife, if any: *None.*

e. List any invasive animal species known to be on or near the site.
Invasive species include European starling and house sparrow.

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.

No changes. The site already has electrical.

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. *No.*

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. No digging to occur..

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.
There will be spill kits present while machinery is used.

4) Describe special emergency services that might be required.
None anticipated.

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)? *There will be a temporary increase in noise as the construction occurs. Once construction is done, noise levels should either return to normal.*

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 there will be an increase in traffic and construction noise.
Long-term noise levels will return to normal.

3) Proposed measures to reduce or control noise impacts, if any:
None unless local ordinances restrict noise, in which case the local ordinances will be adhered to.

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. *The site has been used as a fish trap since the mid 1960's. Adjacent properties are agricultural.*

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? *No. This site has been a fish trap since the mid 1960's.*

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, this facility will continue to coexist with surrounding agricultural lands.*

c. Describe any structures on the site.

The fish trap is the only permanent structure on site. There is a metal storage container (shipping container) on site for storage.

d. Will any structures be demolished? If so, what?
No. This project will replace the monorail and brailer used to load fish from the trap into trucks.

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

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

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

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?
No one lives at this site. Workers come from the Beaver Creek hatchery as needed.

j. Approximately how many people would the completed project displace?
No people will be permanently displaced by this project.

k. Proposed measures to avoid or reduce displacement impacts, if any:
No people will be permanently displaced by this project.

L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
This proposal will not change use, therefore compatibility is not an issue.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:
None proposed or needed, since there will be no impact.

9. Housing [help]

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.
None.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.
No impact to housing.

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?

The new structure will be 24 feet tall.

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

No changes to views as a result of this proposal.

b. Proposed measures to reduce or control aesthetic impacts, if any:
None proposed or needed.

11. Light and Glare [help]

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

There will be no changes in light or glare.

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

No, there should be no change.

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 anticipated.

12. Recreation [help]

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

There is hunting and fishing.

b. Would the proposed project displace any existing recreational uses? If so, describe.
No.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: *Should be no impacts to recreation.*

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.

The Beaver Creek Hatchery and Beaver Creek Bridge are over 50 years of age. The bridge and hatchery were determined not NRHP eligible. The Beaver Creek Hatchery potentially contributes to a historic district, as part of the Lower Columbia River Fisheries Development Program multiple property documentation. One unnamed GLO trail 0.2 miles from project area on the west bank of the Elochoman River.

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.

No previously documented pre contact archaeological sites or cemeteries within 1-mile of project area.

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.

DAHP and Tribal consultation will be conducted under GEO-0505, DAHP WISAARD. One previously conducted cultural resource survey within 1-mile of project Sikes (2012), Beaver Creek Fish Passage Improvement.

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.

WDFW Inadvertent Discovery Plan (IDP) for cultural resources will be in place during project implementation. If cultural resource survey identifies cultural resources, specific mitigation measures will be determined through additional consultation with DAHP and affected Tribes.

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.

See plans. No public access to the site. Access is through private lands and gated.

WDFW accesses from the Foster Road, off Elochoman Valley Road..

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. The nearest public transit is in Cathlamet, about 1 mile away.

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

No changes.

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.

Site only uses roads for transportation.

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?

Increased vehicular trips would occur during construction only. Once the project is completed, volumes should return to normal.

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:
No transportation impacts anticipated.

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 proposed or needed.

16. Utilities [help]

a. Circle utilities currently available at the site:
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other ___propane, well water_____

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.
No additional utilities needed or utilized at the site.

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 ____Doug Wiedemeier_____

Position and Agency/Organization ____Permitter, WDFW, CAMP_____

Date Submitted: __8/17/2020_____