

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:

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

1. Name of proposed project, if applicable:
Beaver Creek Hatchery Intake Improvement Project
2. Name of applicant:
Washington Department of Fish and Wildlife
3. Address and phone number of applicant and contact person:
600 Capitol Way N, Olympia, WA 98501: (360) 902-8380 Douglas Mackey
4. Date checklist prepared:

4/1/2015

5. Agency requesting checklist:

Washington Department of Fish and Wildlife

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

WDFW proposes to do this project in the summers of 2015 and 2016 in a two phase approach. General hatchery "out of water" maintenance activities fish screen replacement will begin in 2015 and in water work to modify the existing Elochoman River Intake structure and the in river sheet pile dam repair is scheduled to begin in the fish work window in the summer of 2016.

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.

No additional new infrastructure activities are planned beyond this project, however hatchery maintenance activities such as reroofing existing buildings, replacing/repairing existing water delivery pipelines, pond walkways, bird exclusion netting, domestic water system upgrades and other existing hatchery infrastructure maintenance activities are also scheduled to occur starting spring 2015 and occur over an extended period of time. These maintenance projects are for the sole purpose of repairing/replacing and/or improving existing infrastructure already in place at the Beaver Creek Hatchery.

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

A JARPA is being prepared for the shoreline and Section 404 permit applications including the related biological evaluation (BE) for this project. A separate JARPA will be prepared to update the fish screens if agency staff determine that this can be accomplished in the 2015 fish-window (work in water).

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 known pending permit applications are associated with or affecting this project.

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

A Wahkiakum County Shoreline Permit, Wahkiakum Building Permit, WDFW Hydraulic Project Approval, Army Corps of Engineers Section 404 Permit, and Ecology 401 Water Quality Certification are anticipated to be required.

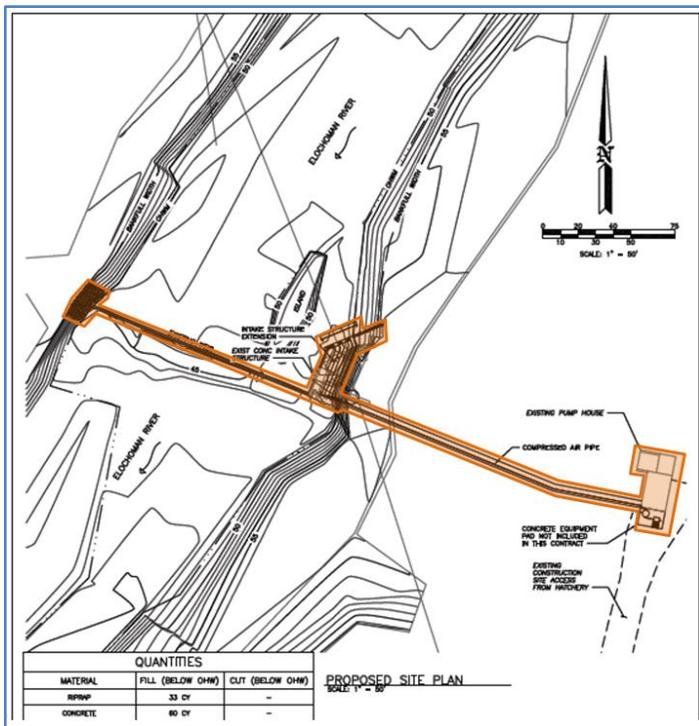
11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies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

PROJECT DESCRIPTION

The Beaver Creek Hatchery requires general hatchery maintenance, that may require ground disturbing activities, as well as specific improvements to the water intake facility that will require in-water work in the Elochoman River.

The instream construction elements of this project consist of extending the intake wing walls and replacement of screening to improve water flow to and through an existing water intake and fish ladder structure located on the Elochoman River that serves the Beaver Creek Hatchery. This water intake project will reduce intake water velocities through the intake screens and is designed to meet and exceed all state and federal legal fish passage requirements. The existing sheet pile dam requires repairs that consist of removing and replacing 2 to 3 bent metal sheet pile sections approximately 4 foot wide each to ensure water is delivered to the Hatchery water supply intake. All instream work is scheduled to occur in the summer of 2016 within the appropriate fish window associated with the approved HPA.

General Hatchery maintenance elements are scheduled to begin this spring of 2015 and are over 200 feet away from the Elochoman River. The only potential exception to this may be the water supply line from the intake structure to the pump vault facility located approximately 205 feet from the river. Current condition of this pipe is unknown at this time, if required and warranted WDFW will repair/replace this existing water supply line in its current place. Other hatchery maintenance and improvements includes new intake screens, air and water manifolds behind the screen walls of the intake for improving water velocities through the screens and provide a new self-cleaning function to the intake structure. New roof for pump vault building, new hatchery water supply pumps, new air compressors to provide air blasts to the new intake, reroof hatchery buildings, repair/replace water supply lines and drains. Upgrade electrical service and domestic water supply, hatchery pond walk ways, anti-bird predation infrastructure and other general hatchery infrastructure repairs and maintenance as required.



Simplified Site Plan for reference purposes (See Appendix A for more details)

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, and county 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 Beaver Creek Hatchery is reached by proceeding from Cathlamet west for ½ mile on Highway 4 and then turning right onto the Elochoman Valley Road. Proceed 3.6 miles then turn right on Beaver Creek Road. The hatchery is immediately on the right after crossing the Elochoman River Bridge. This site is located in Wahkiakum County, Section 32, Township 9 N, Range 5 W, NW 1/4.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other:
The project area is generally flat to rolling with the exception of elevation drops into the Elochoman River.

b. What is the steepest slope on the site (approximate percent slope)?
The steeper slopes are 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.

The soil is classified as Grehalem silt loam at this location.

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

There are no indications of unstable soils.

e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

The fill associated with the new water intake is nearly all within the bounds of the ordinary high water (OHW). See section 3.a.3 below for all quantities of cut and fill for the full project. No grading activities are anticipated, though disturbed areas are shown on the attached project drawings where

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

Yes, minor erosion could occur but is not likely. All instream work will be completed in the summer months when precipitation and river flow is minimal, thus reducing the opportunity for suspended sediments to be carried to downstream. Any disturbance to stream banks will be covered with mulch and revegetated with native grass mix.

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?
Approximately 10% of this site is currently covered by impervious surfaces including the concrete intake structure and diversion dam. The new concrete will be no increase in impervious surfaces landward of ordinary high water at this site.
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
Any potential erosion will be prevented using erosion control Best Management Practices. Specifically, a silt fence will be installed around upland and aquatic construction sites.

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.
Vehicle exhaust and dust from construction is expected. No long-term change in emissions is expected from the completed project.
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.
None.
- c. Proposed measures to reduce or control emissions or other impacts to air, if any:
Equipment will be maintained and inspected to ensure proper function of all emissions control equipment.

3. Water

- a. Surface Water:
- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.
The Elochoman River is within the project site and the Beaver Creek Stream is adjacent to the plan project work.
 - 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, all river intake and sheet pile wall work components of this project are directly adjacent to or within the Elochoman River. Gravel removal, concrete wing wall extensions and sheet pile dam repairs occur below OWH. These activities are described in the attached drawings. Potential hatchery maintenance activities may include patching/replacing existing water delivery pipe sections if determined to be leaking or in poor condition. A section of this pipe (between the river intake and the water pump vault) is within 200 feet of the Elochoman River.
 - 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.

Dredge all fill materials and quantities are spelled out in the following table:

MATERIAL	QUANTITIES		
	CUT (BELOW OHW)	FILL (BELOW OHW)	FILL (ABOVE OHW)
RIPRAP	---	132 SF : 20 CY	64 SF : 10 CY
CONCRETE	---	334 SF : 52 CY	169 SF : 18 CY
SHEET PILE (STEEL)	---	10 LF	---
TRASH RACK (STEEL)	---	15 LF	---
(2-3) STEEL PILES HSS7	---	20 LF EACH	---
WEIR CAP	---	72 LF	---
SOILS	30 CY	---	---
TEMPORARY COFFERDAMS	---	187 LF	---
TEMPORARY SANDBAG BERM	---	78 LF	---
TEMOPRRARY STRAW WATTLES	---	37 LF	---
TOTAL (NET)		466 SF : 42 CY	233 : 28 CY
All fill material will be clean from local quarries (riprap), or commercial grade construction material.			

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

Yes, the proposed project is to improve fish passage conditions of the existing water supply intake for the Beaver Creek Hatchery on the Elochoman River. This project will not alter the propose water withdrawal rates (up to 23 cfs) but results in meeting more stringent federal and state fish screening and fish passage requirements.

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

Yes, protions of this project site are within the 100-year floodplain.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No waste material will be discharged into surface waters. Work area will be contained and isolated from the main channel during all new construction activities..

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.

No groundwater will be utilized at this site.

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 source of runoff at the construction site would be precipitation, which is expected to minimal during the summer construction period. Storm water treatment will not be not changed or affected in any way. Currently storm water flows from driving surfaces and is infiltrated within grass filter strips at the edge of roadways.

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

With the implementation of impact minimization measures, no waste materials are anticipated to enter ground or surface waters.

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

The project does not alter drainage patterns other than to provide maintenance to restore surface drainage to previously approved designs.

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

General Impact Reduction Measures

1. **Any storm water runoff will be contained using erosion control Best Management Practices. Specifically, a silt fence will be installed around upland construction sites to filter sediment which may be suspended in runoff water.**
2. **A super sack barrier will be installed around the perimeter of intake wing wall extensions and sheet pile wall removal and replacement pile work to prevent sediment laden water from impacting surrounding surfaces waters.**
3. **Equipment will be washed before entering the job site to remove any excess petroleum products that could come into contact with surface waters.**
4. **All equipment will be inspected daily for fuel or lubricant leaks. Machinery food grade hydraulic fluid will be used in all equipment operating below OHW.**
5. **Equipment staging and fueling areas will be completely isolated from surfaces waters to avoid the possibility of impacts to surfaces waters resulting from fueling or staging activities.**
6. **Construction erosion control BMP's including mulching exposed soils and horizontal tracking of upland exposed bank will be implemented.**

4. **Plants**

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

- deciduous tree: **red alder, maple**, aspen, other: (specifically: bigleaf maple)
- evergreen tree: **fir, cedar**, pine, other
- shrubs: **willow**
- 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?

Disturbance of vegetation will be avoided when possible. Some riparian areas will be disturbed while machinery accesses the work area. This vegetation currently consists mostly of Japanese knotweed and Himalayan blackberry which is scheduled to be controlled as part of the mitigation for this site. The disturbed bank area is anticipated to be 12 feet wide and 20 feet long. Noxious plant removal will also take place immediately adjacent the work area.

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

There are no known threatened or endangered plant species on or near the site. The Natural Heritage Program (NHP) databases as well as the state (WDFW) and federal agency listings (USFWS), were examined for threatened or endangered plants on April 1, 2015. There are no listed plants within approximately two miles of the project area.

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

Native shrubs will be planted on portions of this site as mitigation for project impacts. Noxious weed species will be treated prior to planting of native vegetation.

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

English ivy and Himalayan blackberry are managed with moderate success.

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:

birds: **hawk, heron, eagle, songbirds**, other: **waterfowl**

mammals: **deer, bear, elk, beaver**, other: **muskrat, river otter**

fish: **bass, salmon, trout**, herring, shellfish, other: **sculpin**

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

Threatened or Endangered Species

USFWS data indicated that the Yellow-billed Cuckoo (*Coccyzus americanus*), Northern spotted owl (*Strix occidentalis caurina*), marbled murrelet (*Brachyramphus marmoratus*), and Streaked Horned lark (*Eremophila alpestris strigata*) may occur within Wahkiakum County.

All are listed as “Threatened” under the ESA. However, no known habitat for any of these species occurs in the vicinity of the Beaver Creek Hatchery.

Endangered fish species listed as occurring in this area are Lower Columbia River Chinook (*Oncorhynchus tshawytscha*), Lower Columbia River Coho (*Oncorhynchus kisutch*), Columbia River Chum (*Oncorhynchus keta*), and Eulachon (*Thaleichthys pacificus*).

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

The site is considered a migration route for adult and juvenile anadromous fish species listed above. In addition, the site is located within the Pacific Flyway for migratory waterfowl. Therefore, during the migratory season this site, located adjacent to the water, is used by migrating waterfowl.

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

To preserve fish and wildlife resources, WDFW will time this project to minimize work within water and minimize harmful impacts upon fish species. Riparian noxious weed control and native shrub species plantings will also be done to improve wildlife habitat.

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

None are known at this time.

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.

The completed project will not change energy consumption.

b. Would your project affect the potential use of solar energy by adjacent properties?

If so, generally describe.

This project will not affect solar energy use.

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:

No energy conservation features are included and no impacts are anticipated.

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.

Materials likely to be present include gasoline and diesel fuel, hydraulic fluid and lubricants. An accidental spill of one these products could occur during project operations.

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

None anticipated.

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.

A spill prevention and pollution control plan will be prepared by WDFW project engineers to reduce risk of spills and to provide guidance if a spill occurs.

- 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, other than those mentioned in 7a. above.

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

None

- 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)?

No noise in this area will impact this project.

- 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.

Increased levels of noise during construction activities are expected from this project.

Hours of increased noise levels will be 7am to 6pm. No change in noise level is expected from the completed project.

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

None area planned.

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.

The current use of this site is a state salmon hatchery which supplements fish resources in Washington State. The adjacent properties include several private home sites timber production land.

- 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 agricultural practices occur here or have occurred at this site in recent history. This site is used for aquaculture practices.

- 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.

Structures on this site include a diversion dam and concrete intake/fish passage structures. The hatchery complex contains rearing ponds, storage building, pump vault building, office and rearing buildings, water distribution tower, pollution abatement pond, Backup generator building, and three residences.

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

No structures will be demolished.

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

Not Zoned.

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

Rural Residential

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

Rural Shoreline Conservancy Aquatic

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

This area is classified as Roosevelt Elk Winter Range, which is an environmentally sensitive area listed in WDFW Priority Habitats and Species Database.

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

Approximately 6 people will continue to reside at this hatchery.

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

No people would be displaced as a result of the proposed project.

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

No displacement impacts are anticipated.

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

This project will be evaluated by Wahkiakum County. Land use compatibility will be reviewed at this time.

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

No special measures are planned as these land uses are not generally considered to be affected by the on-going presence of State aquaculture operation.

9. Housing

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

No residential units would be provided.

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

No residential units would be eliminated.

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

No housing impacts are anticipated.

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?

The tallest structure is the pump vault building which already exists. This 12 foot tall structure is scheduled to be reroofed and is not proposed to change existing building height.

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

No views will be affected.

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

None planned.

11. Light and glare

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

No change will result in glare.

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

No. This project is not expected to result in safety hazards or altered views.

- 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

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

There are fishing and wildlife viewing opportunities near this site.

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

No recreational activities will be displaced.

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

WDFW will conduct repairs in a timely manner to reduce any disruption which may result.

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.

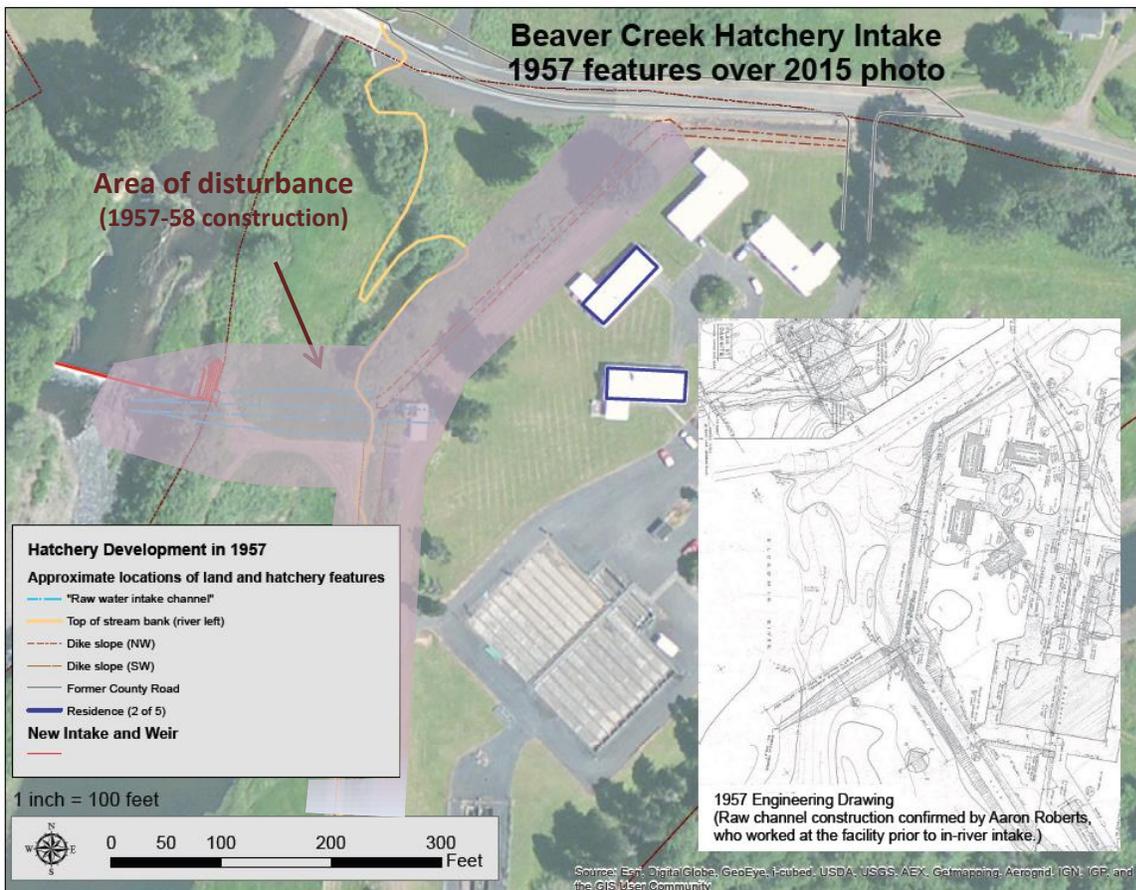
The Washington State Department of Archaeology and Historic Preservation records database was checked to ensure that no currently listed objects or places occur at this site.

- 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.

None are known.

- 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 historic uses of the site were examined in WDFW records and showed the presence of “Raw Water Intake Channel” (included in the project map, below).



The project is designed to minimize, or avoid, ground disturbance and the removal of soils and vegetation.

- 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.

Land and streambed disturbances involve areas that were disturbed when the original intake was constructed (1957) or during more recent site modifications (as recent as 2012). The WDFW construction inspector will monitor the site during land disturbing activities and in the unlikely event that construction activities result in the inadvertent discovery of archaeological resources, work would be halted in the immediate area, and contact made with WDFW and county officials, the DAHP's State Historic Preservation Officer (SHPO), and appropriate tribal officials.

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.

Elochoman Valley Road and Beaver Creek Road provide direct access to this site.

- 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?

The site is not served by public transit. The nearest stop is 4 miles away at Cathlamet.

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

The completed project has no designated public parking and will not provide any parking.

- 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).

This project will not impact any roads.

- 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?

No additional vehicle trips are anticipated to result from this project.

- 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.

These land uses are not generally considered to be affected by the on-going presence of State aquaculture operation.

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

Facility improvements are not anticipated to result in a transportation problem, so no transportation mitigation measures are proposed.

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.

No

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

None

16. **Utilities**

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

Phone, natural gas, electricity, water, refuse service, sewer are all currently available on site.

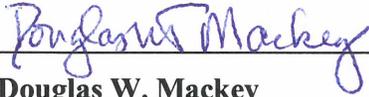
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

No additional utilities would be required at this site.

C. Signature

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 Douglas W. Mackey

Position and Agency/Organization:

Fish and Wildlife Biologist, Washington Department of Fish and Wildlife

Date Submitted: April 28, 2015

Appendix A Project Drawings