

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: [\[help\]](#)

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: [\[help\]](#)

Hoodspout Hatchery Raceway Replacement

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

Washington Department of Fish and Wildlife (WDFW)

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

Chris Gourley; 360-902-8392; 600 Capitol Way North, Olympia, WA; 98501

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

May 22, 2017

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

WDFW

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

Work proposed for Spring 2018

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. [\[help\]](#)

No environmental information will be prepared for this project.

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. [\[help\]](#)

Mason County Shoreline Exemption 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. (Lead agencies may modify this form to include additional specific information on project description.) [\[help\]](#)

WDFW is replacing the existing raceway rearing ponds at the Hoodspport Hatchery. The Hatchery property is on a small parcel with limited space adjacent to Hood Canal and Finch Creek. The scope of work is to completely demolish the existing ten (10) raceway rearing ponds (20ft x 78ft x 3ft deep) and replace them with eighteen (18) new WDFW standard raceway ponds (approximately 10ft x 78ft x 5ft deep). The project also includes demolishing and replacing some supply and drain lines. New pond drains will connect to the existing main drain outfall and new piping will connect to the existing creek gravity supply, saltwater pump supply, and re-use pump supply. The new raceways will fit within the footprint of the old raceways, and will add volume by increasing wall heights. One raceway will be modified to accommodate use as a settling pond for the incubation supply, the most sensitive rearing. An aeration tower will be constructed to increase dissolved oxygen levels in both the salt water and re-use supplies. The saltwater pumping chamber will be modified so re-use supplies can also be pumped from this chamber.

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. [\[help\]](#)

The Hoodspport Hatchery is located at 24350 N Hwy 101 within the town of Hoodspport. The hatchery is on the east side of the highway after the intersection with N Lake Cushman Rd. The site is located within Mason County in Section 11 of Township 22 N and Range 4W on parcel # 42212-50-03001.

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

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

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

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

While the site itself is relatively flat, the surrounding area is mountainous and there are rolling hills and mountains nearby.

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

The steepest slope on the site is 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. [\[help\]](#)

The soils on site are mapped as grove gravelly sandy loam, 0 to 5 percent slopes. Also nearby are Hoodspport gravelly sandy loams for both 15 to 30 and 30 to 45 percent slopes.

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

According to the Department of Ecology Slope Stability Maps, the soils in Hoodspport are "Stable."

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 new ponds will be poured on top of the current pond base. Concrete and associated piping will be added to the hatchery site over the total area of 20,000sf.

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

Erosion is not likely. All work will be completed within an existing footprint and away from water. Very little ground disturbing work will be done and will all be trenching for piping. Standard BMPs will be utilized.

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

There will be no change in impervious surface. The new surfaces will be replacements of current surfaces.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)
BMPs standard for concrete, asphalt, and trenching projects will be utilized. Any tainted water will be directed into pollution abatement ponds or other approved device or containment and will not be allowed to enter waters of the state.

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

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. [\[help\]](#)

Construction emissions will be minimal and of short duration. All equipment will be fitted with standard air emission control devices. After the project is complete, there will be no additional emissions.

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

No.

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

None.

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

a. Surface Water:

1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into. [\[help\]](#)

Finch Creek flows to the south of the hatchery and provides a clean water source for the hatchery via an upstream intake. Hood Canal is located to the east of the adult ponds and along the seawall.

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. [\[help\]](#)

While the work is in close proximity to the waters, no work will be done within the waters.

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. [\[help\]](#)

None.

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

Surface waters from Finch Creek often flow through the hatchery via piping for supply. During construction, water will bypass the hatchery at the intake structure, leaving all flows within the creek channel.

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

Yes. The site is within Zone A on FEMA Firm Map 5301150125C.

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. [\[help\]](#)

There will be no discharge of waste materials into surface waters.

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. [\[help\]](#)

Ground water will not be withdrawn for any purpose. No water will be discharged to ground water.

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

No waste materials will be discharged into the ground.

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 collection points or drainage will be altered.

- 2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)
Waste materials will not be discharged. No waste is anticipated.

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

No.

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

None.

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

- a. Check the types of vegetation found on the site: [\[help\]](#)

___deciduous tree: alder, maple, aspen, other:

___evergreen tree: fir, cedar, pine, other

___shrubs

___grass

___pasture

___crop or grain

___ Orchards, vineyards or other permanent crops.

___ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

___ water plants: water lily, eelgrass, milfoil, other

___other types of vegetation

- b. What kind and amount of vegetation will be removed or altered? [\[help\]](#)

There will be no changes to vegetation.

- c. List threatened and endangered species known to be on or near the site. [\[help\]](#)

In Mason County there are no listed endangered species within the Natural Heritage Program. Threatened species include Pacific lanceleaved springbeauty, water lobelia, and Adder's tongue.

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

None.

- e. List all noxious weeds and invasive species known to be on or near the site. [\[help\]](#)

Noxious weeds are known to exist within Mason County. No specific surveys have been done on the property or at the work site, but none have been observed in site visits. The area of impact is non-vegetated.

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

- a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. [\[help\]](#)

Examples include:

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

mammals: deer, bear, elk, beaver, other: otter, pinnepeds

fish: bass, salmon, trout, herring, shellfish, other _____

- b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)

According to US Fish and Wildlife Service's Information for Planning and Conservation (IPaC) website, marbled murrelet (threatened), yellow-billed cuckoo (threatened), streaked horned lark (threatened), and bull trout (threatened) are all listed. Fall Chinook salmon utilize the site as well and both Chinook and bull trout have designated habitat near the project area in waterways.

- c. Is the site part of a migration route? If so, explain. [\[help\]](#)

Eleven migratory birds are listed on IPaC. They are: bald eagle, black swift, Caspian tern, fox sparrow, olive-sided flycatcher, peregrine falcon, purple finch, rufous hummingbird, short-eared owl, western grebe, and willow flycatcher. Also, fall Chinook salmon, Coho, Chum, steelhead, Chinook, and pink salmon are documented at the site and migrate through the area.

- d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)

None.

- e. List any invasive animal species known to be on or near the site. [\[help\]](#)

The are no known invasive species at the site.

6. **Energy and Natural Resources** [\[help\]](#)

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. [\[help\]](#)
There will be an increase in electrical energy usage for a new washdown pump and a new incubation pump.
- 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** [\[help\]](#)

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. [\[help\]](#)
No.
- 1) Describe any known or possible contamination at the site from present or past uses.
[\[help\]](#)
None.
- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity. [\[help\]](#)
None.
- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project. [\[help\]](#)
During construction, fuel for equipment will be kept on site. This fuel will be kept away from the public and will be contained in a safe manner. Asphalt paving and concrete pouring will be done on site and both methodologies involve chemical components that can be hazardous. All standard procedures will be used for implementing the design with the materials specified.
- 4) Describe special emergency services that might be required. [\[help\]](#)
Special emergency services should not change since the use of the site will not change.
- 5) Proposed measures to reduce or control environmental health hazards, if any: [\[help\]](#)
None.
- b. Noise [\[help\]](#)

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

No noise will affect the 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. [\[help\]](#)

No additional noise will be created once the project is complete. Construction noise will be short in duration. The use of the site is not anticipated to change.

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

None.

8. Land and Shoreline Use [\[help\]](#)

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. [\[help\]](#)

The site is a salmon hatchery used for sorting, hatching, and rearing salmon species.

Properties on either side are residential. No land uses will change.

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: [\[help\]](#)

No.

c. Describe any structures on the site. [\[help\]](#)

The site is used as a fish hatchery. On the parcel are adult ponds, a rearing pond, a pollution abatement pond, and raceways. A pump house, main hatchery building, residence, and storage building are also present. An ADA fishing pad is located above the fish ladder at the southeast corner of the hatchery.

d. Will any structures be demolished? If so, what? [\[help\]](#)

The raceways will be partially demolished.

e. What is the current zoning classification of the site? [\[help\]](#)

Rural Commercial

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

Rural Commercial

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

Commercial

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? [\[help\]](#)

There will be no change in staffing. Staffing varies based on season and need, but typical staffing is below 4 people.

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

None.

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

None.

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

The new raceway design includes more volume for fish rearing while standardizing the ponds and increasing safety and maintenance ease. Existing hatchery uses will continue with the ability to increase capacity at a later time.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: [\[help\]](#)

None.

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

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

None.

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

None.

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

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? [\[help\]](#)

A aeration tower of approximately 15 feet will be added to the north end of the property.

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

While some view may be obstructed due to the tower, it would only be for the northern neighbor and will not stand much taller than the trees, shrubs, and pump building nearby.

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

None.

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

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

None.

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

No.

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

None.

- d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#)

None.

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

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

Recreational fishing along the banks of Finch Creek has been occurring for years. When the creek shifted course and began flowing north sometime after 1994 and before 2003, fishermen experienced a more difficult time accessing the area. While a boat launch and access are located at the north end of the hatchery, many people choose not to use it because Finch Creek can be swift and deep and high tides can strand users on sand bars to the south. The recreational fisheries are designated between bouys in the tidelands adjacent to the hatchery. Parking is available onsite for users. The new stairs (estimated to be installed July 2017) will improve access. The ADA-compliant fishing platform is in the same area and allows disabled users to fish from above the creek.

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

Limited access may be available to the public during construction due to the confined space available for equipment and additional parking. It is not the intention to displace recreational users and care will be taken to continue to provide opportunities when possible.

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

Access to the north will remain open during project construction. Care will be taken to provide recreational users access whenever possible.

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. [\[help\]](#)

There are no records of any recent cultural surveys; however the hatchery buildings are over 45 years old. No evaluation has been done yet.

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

Although the landscape has been identified as potentially culturally sensitive location; there are no recorded landmarks, features, or other evidence of Indian or historic use or occupation. A review of historic maps and the DAHP database did not result in the identification of any recorded archaeological features within the 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. [\[help\]](#)

The project was reviewed by a professional archaeologist. Context for project evaluation was derived from a review of survey and site documents available on DAHP's WISAARD database, a review of DAHP's predictive model. Portions of the project may have a low probability to impact archaeological resources. Those locations will be reviewed to clarify the expectations for intact archaeological resources. The hatchery buildings are historic; a basic inventory record exists, but will require additional documentation to meet modern standards

The results of these investigations will be used to inform final project design.

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required. [\[help\]](#)
If cultural significant features are discovered during research, consultation will be carried out with affected Tribes measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources.

The project will operate under WDFW's Inadvertent Discovery Plan, which provides the project proponent with a detail series of steps to follow upon the unanticipated discovery of archaeological or cultural materials.

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

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. [\[help\]](#)

The site is accessed from Hwy 101 just past the junction with Hwy 119. There is ample parking at the hatchery. No new access is being added.

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

Mason Transit Authority serves Hoodspout on routes 8 and 11. Stops for both of these routes are within 0.1 miles of the site.

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)

The number of parking spaces will not be altered.

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

The proposal will not increase vehicular trips per day.

- g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe. [\[help\]](#)

No.

- h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)

None.

15. Public Services [\[help\]](#)

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. [\[help\]](#)

No.

- b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)

None.

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

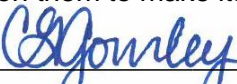
- a. Circle utilities currently available at the site: [\[help\]](#)
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,
other _____

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. [\[help\]](#)

None.

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 Christina L. Gourley

Position and Agency/Organization Biologist 3, WDFW

Date Submitted: 05/22/17