

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:

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:

Please complete 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. ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D). For nonproject actions.

A. BACKGROUND

1. Name of proposed project, if applicable:
Tokul Creek Hatchery Intake Diversion Dam, and Fishway Replacement
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 : (360) 902-8383 : Douglas Mackey
4. Date checklist prepared:
1/3/2013
5. Agency requesting checklist:
Washington Department of Fish and Wildlife

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

The project is planned for summer to fall of 2013 with project staging in June and in-water construction work proposed for between July 1 and September 15.

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

No.

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

Joint Aquatic Resource Permit Application (for three agencies)

Biological Evaluation

Critical Areas 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.

None are known at this time.

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

Federal

Section 404 Permit (Clean Water Act - Corps)

- **Section 7 Endangered Species Act Compliance/Consultation (USFWS and NMFS)**
- **National Environmental Policy Act (NEPA) Compliance (Corps)**
- **Section 106 National Historic Preservation Act Compliance/Consultation**

State

Section 401 Water Quality Certification (Ecology)

NPDES Construction Stormwater Permit

NPDES Discharge Permit Notification of Engineered Change to Intake

Hydraulic Project Approval (WDFW)

King County

- **Shoreline Master Program Compliance (Shoreline Substantial Development Permit Conditional Use and/or Variance may be necessary)**
- **Critical Areas Clearance**
- **Building and Demolition Permits**
- **Grading Permit**

Confirmation of a court-ordered fish ladder assuring fish passage is also 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.)

The proposed project (sheet 12 of Appendix A) will construct a replacement fishway to provide fish passage over the water diversion dam; will remodel and complete maintenance upgrades to the surface water intake to integrate the existing intake with the fishway and upgrade the intake screening and screen cleaning to meet current fish protection criteria; and will replace the water diversion dam that sustained additional damage during the December

2008 flood. The remodeled intake will be screened to protect juvenile salmon outmigrants. A mechanical building and retaining wall will be rebuilt in association with the intake facility.

The use of the site will not change from the current use; water diversion for Tokul Creek Hatchery. The dam is currently not passable to upstream migrating fish as the associated fish ladder was damage in a 1990 high water event. The project construction site is approximately 0.4 acres.

The project design calls for significantly larger diversion dam footing; the proposed surface area is a 150% increase (2.5 times the size) over the original footing. The larger design is a result of at least three studies^{1,2,3} analyzing the role the structure plays in the overall hydrology especially with regard to sediment transport. The proposed footing is also located approximately eight feet downstream and four feet lower (from 154' to 150' elevation) to address the sub-structure erosion that has undermined the existing diversion dam footing.

SECTION NOTES :

1. Hydrology and Hydraulic Study for Tokul Creek, Tokul Creek Hatchery Site; GeoEngineers for WDFW, 12/3/2001
2. Hydraulic and Sediment Transport Analysis of the Dam Removal at Tokul Creek Fish Hatchery; USACE, 1/27/2003
3. Tokul Creek Dam Removal: Review of USACE Analysis, Impacts to WSDOT Infrastructure and Available Countermeasures, WSDOT, 11/8/2005

Tokul Creek Fish Hatchery Intake, Diversion Dam and Fishway Replacement



FIGURE 1 – Tokul Creek Hatchery Intake, Diversion Dam, and Fish Passage Replacement Project

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 Tokul Creek Hatchery street address is: 37501 SE Fall City-Snoqualmie Road, Fall City, WA 98024. The hatchery is in King County and is located in Township 24N Range 8E Section 19. A vicinity map is on the first page of Appendix A – Project Drawings.

**The Property Parcel number is 192408-9007, and the legal description reads:
POR OF NW 1/4 OF NW 1/4 LY SLY & WLY OF CM & ST P RY TGW SW 1/4 OF NW 1/4 LESS
CO RD & LESS ST RD & LESS C/M RGTS IN W 1/2 OF SD SW 1/4 OF NW 1/4**

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site

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

The stream bank of Tokul Creek at the project location is steep and armored with rip-rap. Tokul Creek in this location is incised into the base of this glaciated trough. Upstream and downstream of the diversion dam the topography varies from gently- to steeply- sloped.

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

The project area steep slopes are about 70% at their steepest locations.

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 prime farmland.

Soils on site are alluvial outwash sediments. These "Barneston" soils are further described as volcanic ash over glacial outwash by the Natural Resources Conservation Service (NRCS). NRCS data further describes the native soils above the diversion dam as "Barneston gravelly sandy loam, 30 to 65 percent slopes" and those below the dam as "Barneston gravelly sandy loam, 0 to 8 percent slopes."

Imported gravel and rip-rap have been used extensively along this portion of Tokul Creek. These imported rocks used to repair the facility following a 2009 flood compose a majority of the material that would be excavated.

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

Yes. Significant landslides have occurred upstream and downstream of the project site. In 1999 a large landslide occurred on the left bank of Tokul Creek across from the hatchery rearing ponds and in 2008 two landslides occurred upstream of the surface water diversion dam near the State Route (SR) 202 bridge.

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

Indicate source of fill.

Fill material will be composed of structural materials, native stream material, gravels and riprap. Gravels will be utilized to bury the water lines and to re-surface the existing access road post construction. Riprap will be utilized to armor the fishway to minimize erosion.

Approximately 2,000 cubic yards of fill material will be used. On-site materials will be reused to the extent possible. Import of new material will be sourced locally.

Structural material used on this project includes steel H piling, control density fill (CDF) or a specified density fluid concrete mix, pre-cast concrete, and the internal steel bar reinforcing these structures. The diversion dam footing accounts for most of the below-OHW fill, see sheets 33 through 35 of the Project Drawings, Appendix A.

Grading will occur on the existing access road at the completion of the fishway construction, and at the location of the mechanical building. An area approximately 40 ft wide by 300 ft long will be graded.

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

Yes. During excavation for the construction of the fishway, soils will be disturbed. However, this area is largely composed of imported fill material (gravels and riprap), see sheets 50 and 51 in the Project Drawings, Appendix A. Clearing for the construction of the mechanical building and retaining wall will also occur. Post-construction erosion will be minimal as the site will be stabilized (riprap) and exposed soils revegetated.

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

The increase in impervious surfaces outside of the creek is attributable to the Mechanical Building, which is 12 feet by 13 feet, this is <1% of the area impacted by the project (~0.4 acres).

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

Construction will occur during the summer months when precipitation is low. Construction BMPs will be in-place to minimize the erosion potential and to protect Tokul Creek. Sediment control measures, such as silt fencing, will be in place. Stockpiled materials will be stored away from Tokul Creek and all stormwater drainages. Materials will be covered, as appropriate, to minimize erosion. Land clearing will be kept to the minimum necessary to complete the project. Exposed soils will be revegetated post-construction.

The diversion dam itself has been engineered to stabilize the creek bed and the hydrology of Tokul Creek waters and sediment loads. An extensive geotechnical study of the upstream and downstream affect of the Tokul Creek Hatchery diversion dam has been coordinated by the Depart of Transportation including involvement of the U.S. Army Corps of Engineers. These reports are available for public review.

2. Air

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

Emissions will occur from construction equipment operation. No post-construction emissions will occur.

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

No

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

Standard emission control converters and mufflers would be in use by construction vehicles.

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 project will occur within and adjacent to Tokul Creek, a tributary to the Snoqualmie 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. This project will construct a replacement fishway to provide fish passage over the site of an existing water diversion dam; will remodel and complete maintenance upgrades to the surface water intake to integrate the existing intake with the fishway, upgrade the intake screening and screen cleaning to meet current fish protection criteria; and will conduct replacement of the water diversion dam that was damaged during the December 2008 flood. See attached site 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.

Excavation below Ordinary High Water (OHW): 1,960 cubic yards

Fill below OHW: 1,240 cubic yards

On-site excavated materials will be reused to the extent possible. Import of new fill material will be sourced locally.

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

The proposed project will not change the existing surface water withdrawal occurring to operate the Tokul Creek Hatchery.

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

No; the full site is outside of FEMA's 100-year and 500-year flood zones.

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. The project includes rebuilding the mouth of the water intake facility for the hatchery facility but no change in water use or hatchery operation is planned. Per requirements of the hatchery NDPEs discharge permit, WDFW will notify the Department of Ecology regarding the intake design change.

b. Ground Water:

- 1) Will ground water be withdrawn, or will water be discharged to ground water? 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.
Not Applicable.

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.

During construction stormwater may enter the construction site from the existing stormwater discharge pipe off of SR 202, and from rain events. The existing stormwater pipe from SR 202 will be rerouted to outside the construction area. The stormwater pipe currently discharges to Tokul Creek and will continue to discharge to Tokul Creek. Rain water that enters the construction site will be pumped from the dewatering cofferdam areas, sediments settled, and then discharged to Tokul Creek. It is anticipated that an empty chamber of the hatchery's pollution abatement pond will be utilized for this purpose. These ponds are designed to allow settlement of solids and then discharge the clarified water. Settled solids will be removed from the pond post-construction and disposed of at an upland location.

Post-construction stormwater impacts are not anticipated to occur. Roof water of the mechanical building will be allowed to infiltrate into the ground.

- 2) Could waste materials enter ground or surface waters? If so, generally describe.
The possibility of waste materials entering ground or surface waters is very low given the full range of best management practices planned for construction. It is conceivable that the wet concrete utilized to construct portions of the fishway and dam could enter below-project cavities, though every effort will be made to avoid this possibility as these sites are dewatered.

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

To minimize impacts to surface water stormwater runoff will be managed utilizing sandbags, geofabric and/or other methods around stockpile and excavation areas to prevent runoff of sediments. The Project Drawings identify the location of stormwater management features in the temporary erosion and sediment control plan (TESC, sheets 4 and 5 in Appendix A). Silt fencing will be placed along the access road to the intake and adjacent to Tokul Creek to prevent run-off water or sediments from entering Tokul Creek. All stockpiles and excavation areas shall be protected from release of sediment. A construction fence and sandbag berm will be placed along the northern hillslope to manage the slope to the north of the work site. In any area where vegetation has been removed or has experienced land disturbing activities and where no work will be conducted for over 48 hours will be stabilized with mulching, grass planting or approved erosion control treatment. The fishway and intake area will be isolated from Tokul Creek by cofferdams. The work area within the cofferdams will be dewatered by

pumping the water to a settling area prior to discharge to the creek. Any stormwater entering the excavation area will be routed to a temporary holding/settling pond, before discharging to Tokul Creek. Work will be conducted in the dry within the cofferdam. Wet concrete will be allowed to cure sufficiently prior to any contact with Tokul Creek. Precast concrete will be utilized as much as possible to minimize the use of wet concrete and to shorten the duration of construction. All erosion and sedimentation control devices shall be installed prior to the first stage of construction. The stormwater facilities will be inspected by the contractor daily and will remain in place until the final site stabilization is achieved.

4. Plants

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

- deciduous tree: **alder, maple**, aspen, other: **willow, cottonwood**
- evergreen tree: **fir, cedar**, pine, other
- shrubs: **willow, blackberry**
- grass
- pasture
- crop or grain
- 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?

Vegetation to be removed during construction includes: Douglas fir, cedar, maple, alder, cottonwood, willow and blackberry. A tree count conducted in May 2009 identified the following trees to be removed:

Location	Type	Estimated dbh (in)	Number of Plants
Intake/Mechanical Building	Maple	6-14	14
	Alder	4-8	8
	Cedar	8	2
	Douglas Fir	6-12	5
Left bank Dam	Maple	4-10	5
	Alder	4-8	2
	Willow	multi-branching	6
Fishway and water lines	Maple	4-6	3
	Alder	4-14	10
	Douglas Fir	5-14	4
	Cottonwood	8	1

c. List threatened or endangered species known to be 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 December 27, 2012. There are no listed plants of concern within 1.25 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 vegetation will be planted along the right bank stream corridor from the downstream end of the fishway to near the existing rearing ponds. The planting plan is show on sheet 27 in

Appendix A. Some vegetation may be planted along the left bank near the diversion dam, however planting on this bank will be limited in area and to low maintenance vegetation as access to the site is very difficult.

Proposed vegetation includes the following native species (selected for tolerance to moist soils and shade, and their soil binding capabilities): Salmonberry, Pacific Ninebark, Snowberry, Nootka Rose, Pacific Willow, other assorted willows, and Western Red Cedar.

Estimated plant quantities:

Plant Type	Spacing (foot on-center)	Number of Plants
live stakes (along wetted perimeter)	3	100
shrubs	6	59
trees	10	33
TOTAL		192

5. Animals

- a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

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

mammals: **deer, bear, elk, beaver**, other:

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

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

Three threatened fish species (ESUs) occur in the Snoqualmie River at this location:

Chinook Salmon (*Oncorhynchus tshawytscha*) – including critical habitat

Steelhead trout (*Oncorhynchus mykiss*) – critical habitat is still under review (NMFS)

Coastal-Puget Sound Bull trout (known occurrence in the Snoqualmie River, assumed limited use of Tokul Creek by sub-adults).

Coho Salmon (*Oncorhynchus kisutch*) are listed as a Species of Concern.

Priority Habitat and Species data (PHS, per WDFW, 12/27/28) show three wetland areas within two miles of the site. These include the Snoqualmie River Wetlands (Lower River and Upper River) and Coal Creek Wetlands. The closest is southwest 1/3 mile on the Snoqualmie River. The PHS data also show this site is near the edge of the Green/Cedar River Elk Range.

King County has listed the common loon and Beller’s ground beetle as sensitive species in the Tokul Creek watershed with their records showing both to be well upstream from the site.

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

The site is considered part of the Pacific Flyway used by migratory birds. Tokul Creek is a migration route for several species of salmon and steelhead trout.

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

The proposed project will provide access to fish habitat upstream of the water diversion dam that has not been available to migratory salmonids since the fish ladder failure in November of 1990. There is approximately 0.9 miles of stream channel upstream of the water diversion dam until a natural impassable waterfall is encountered. Additionally, the proposed project will upgrade the water diversion screen to be in compliance with current screening criteria. The upgrades will prevent entrapment and impingement of juvenile fish. The fishway, illustrated on sheet 33 of Appendix A, is anticipated to improved downstream passage through the diversion dam reach as the fishway will facilitate passage during low flow conditions. The dynamic nature of Tokul Creek (e.g. landslides, sediment transport) continues to change the characteristics of available habitat within Tokul Creek.

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.

None

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

No

- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

None are included.

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.

During construction wet cement will be utilized and uncured cement and cement leachate are toxic to fish. A leak of spill of oil, diesel, or hydraulic fluid could occur from construction equipment.

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

None

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

All wet cement will be properly cured prior to exposure to Tokul Creek. A cofferdam will be constructed to isolate the work area from Tokul Creek. Construction equipment will be staged and fueled away from Tokul Creek. All construction equipment will be inspected daily for fluid leaks.

b. **Noise**

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

SR 202 is immediately adjacent to the project site. Noise from highway traffic will not 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.

Short-term construction noise will occur from equipment and pile driving. Long-term noise is limited to the air-compressor for the surface water intake screen cleaning. The air compressor will be housed within the Mechanical building and will operate as needed to keep the intake screen free of debris.

Hours of construction will be limited to those allowed by King County noise code requirements (Chapter 12.88.040). Construction noise is limited based on noise levels and time of day. Typical noise generated from construction equipment can occur during daytime hours only, which are defined as 7am to 10pm on weekdays and 9am to 10pm on weekends.

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

The air compressor will be housed within the Mechanical building.

8. Land and shoreline use

- a. What is the current use of the site and adjacent properties?

The site is currently utilized as a fish hatchery. The adjacent property uses included: SR 202, private forest lands (Weyerhaeuser) and limited residential.

- b. Has the site been used for agriculture? If so, describe.

No

- c. Describe any structures on the site.

The Tokul Creek Hatchery is a steelhead and trout artificial production facility. A dam spanning the width of Tokul Creek directs surface water to a screened intake diversion structure and then to the hatchery. Other hatchery facilities include: ponds, buildings, outfall, and collection ladder.

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

The dam apron, portions of the intake structure, and two drainage pipes (18 inch and 24 inch) will be demolished.

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

Rural Area -1 per 10 acres.

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

Conservancy

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

The land above Ordinary High Water (OHW) is designated "Conservancy"; the substrate below OHW is designated "Aquatic."

- h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

The King County identifies the area of the hatchery in the following sensitive areas: landslide hazard; erosion hazard; and steep slope hazard. The project is within the Aquatic Area buffer which for the Tokul creek basin is 165 feet. (The basin is ranked by King County as in “high” condition). The project site is in a Class 2 Salmonid stream with high susceptibility to groundwater contamination and Chinook distribution.

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

None

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

None

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

None

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

None

9. Housing

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.

None

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

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?

The mechanical building will be 12 feet tall, and will be constructed of Concrete Masonry Unit block.

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

No views will be obstructed.

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

None

11. Light and glare

a. What type of light or glare will the proposal produce? **None.** What time of day would it mainly occur?

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

No

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

None

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

None

12. Recreation

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

The Snoqualmie Valley trail site is located across SR 202 and upslope from the project location. The hatchery grounds are public lands and are open to visitors.

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:

None

13. Historic and cultural preservation

a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.

Washington DAHP WISSARD! GIS tool was searched and no historical structures are located on or next to the project site.

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

None are known.

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

None are planned.

14. Transportation

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

The site is accessed off SR 202. The project will utilize the existing access routes to the site.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

The site is not served by public transit.

c. How many parking spaces would the completed project have? How many would the project eliminate?

Not applicable.

d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No

e. Will the project 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? If known, indicate when peak volumes would occur.

None

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

None

15. Public services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, 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,

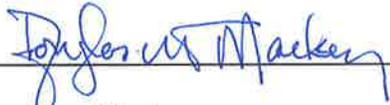
b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

Electrical power will be needed at the mechanical building with power service currently available on-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 Mackey

Position and Agency/Organization: Fish and Wildlife Biologist, Washington Department of Fish and Wildlife

Date Submitted: **January 3, 2013**