Washington Department of FISH and WILDLIFE

State of Washington
DEPARTMENT OF FISH AND WILDLIFE

Mailing Address: 600 Capitol Way N, Olympia, Washington 98501-1091 - (360) 902-2200

ENVIRONMENTAL CHECKLIST
(WAC 197-11-960)

A. BACKGROUND

1. **Name of proposed project, if applicable:** Grays River Intake Repair and Maintenance

2. **Name of Applicant:** Washington Department of Fish and Wildlife

3. **Address and phone number of applicant and contact person:**

Washington Dept of Fish and Wildlife
Capitol Programs & Engineering Division
600 Capitol Way North
Olympia, WA 98501-1091

Contact Person: Marty Peoples
Fish and Wildlife Biologist
Telephone Number: (360) 902-8426
Fax Number: (360) 902-8367
E-Mail: peoplmdp@dfw.wa.gov

4. **Date checklist prepared:** *May 15, 2008*

5. **Agency requesting checklist:** *Washington Department of Fish and Wildlife*

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

   Repair is scheduled to begin in August 2008.

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:**

   No other information has been prepared.

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 pending.

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

    A WDFW Hydraulic Project Approval will be needed.

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.

The proposed project consists of repair from damage incurred during the November 2006 flood events. This damage occurred to intake screens, and water regulating valves. Gravel was also deposited at the entrance of the intake screens impairing screen function. To correct these issues the following specific steps will be taken:

1. *All valves will be inspected and damaged valves will be repaired. The intake chambers will have all sediment flushed into an overflow area and not into the stream. Intake openings will be temporarily blocked to dry up the inside chambers and allow access to faulty valves. Water may be temporarily pumped into the hatchery intake pipe from the river and the intake will be screened to prevent fish from entering the pump system.*

2. *Intake screens will be replaced with new metal screens.*

3. *Approximately 50 cubic yards of gravel will be removed from the intake screen entrance with an excavator. This gravel is located within and adjacent to a submerged concrete channel directly below the intake screens. The excavator will need to ford the West Fork of the Grays River to access the intake structure and remove the gravel. The excavator tracks will be out of the water during gravel removal operations with only the bucket entering the water.*

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including 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.

This site is accessed by turning off of US Highway 4, approximately 2 miles east of Grays River, onto Shannon Road. The Grays River Hatchery is located at the end of Shannon Road, about 3 miles from Highway 4. The project site is in Pacific County, Section 33, Township 11 North, Range 7 West, Southwest ¼. The parcel number is 11073332001.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (underline one): flat, rolling, <u>hilly</u>, steep slopes, mountainous, other_____.

b. What is the steepest slope on the site (approximate percent slope)? *20%.*

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of the agricultural soils, specify them and note any prime farmland.

The soil is classified as Grehalem silt loam.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. *No.*

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

No grading or filling is proposed.

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

Not likely.

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

There will be no increase in impervious surfaces.

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 BMP's.

2. **Air**

a. **What type 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.**

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.** *No.*

c. **Proposed measures to reduce or control emissions or other impacts to air, if any:** *None.*

3. **WATER**

a. **Surface**

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 or wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.**

The West Fork of the Grays River is located immediately next to the project site. The West Fork of the Grays River is a tributary of the Grays 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.**

This project will occur within 200 feet of West Fork of the Grays River. The project description is listed in question 11.

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.**

50 CY of gravel will be removed from the intake entrance and affect approximately 400 sq ft.

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

No change in surface water diversions will result from this project.

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

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

No waste material will be discharged into surface waters.

b. **Ground**

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.**

No waste material will be discharged.

c. **Water Runoff (including storm water):**

1) **Describe the source of runoff (including storm water) and method of collection and disposal, if any (including quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.**

Rainfall will pass through a metal grating deck and will not create runoff.

2) **Could waste materials enter ground or surface waters? If so, generally describe.** *No.*

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

None.

4. **PLANTS**

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

_x_ deciduous tree: alder, willow, maple, aspen, cottonwood, other

_x_ evergreen tree: fir, cedar, pine, hemlock, spruce, other

_x_ shrubs

_x_ grass

___ pasture

___ **crop or grain**

_x_ **wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other**

___ **water plants: waterlily, eelgrass, milfoil, other**

___ **other types of vegetation**

b. What kind and amount of vegetation will be removed or altered? *None.*

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

Queen-of-the-forest (Filipendula occidentalis) occurs one mile from the project site.

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

No vegetation will be removed as part of this project. An area containing grass will be driven over to access the site, but no shrubs exist at this entrance point.

5. ANIMALS

a. Underline any birds or animals, which have been observed on or near the site or are known to be on or near the site:

Birds: hawk, heron, eagle, 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.

Lower Columbia River Chinook, Lower Columbia River Coho, and Lower Columbia River Steelhead.

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

Anadromous salmon stocks pass through this portion of the river.

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

To preserve fish stocks, WDFW will be time this project to be performed at lowest water to reduce impact to aquatic species.

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. *N/A.*

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:**

There is no opportunity for energy conservation features.

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.** *No.*

1) **Describe special emergency services that might be required.** *None required.*

2) **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)?** *None.*

2) **What types and levels of noise would be created by or associated with the project on a short-term or 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 8am to 5pm. No change in noise level is expected from the completed project.

3) **Proposed measures to reduce or control noise impacts, if any:** *None.*

8. **LAND AND SHORELINE USE**

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

The current site is used as a state hatchery. Adjacent properties are undeveloped and used in commercial timber harvest.

b. **Has the site been used for agriculture? If so describe?** *No.*

c. **Describe any structures on the site.**

This site is a state fish hatchery. It contains three residences, a hatchery building, water intake, a spawning shed, and numerous rearing ponds.

d. **Will any structures be demolished? If so what?**

No.

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

Commercial Forest.

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

Commercial Forest.

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

Conservancy.

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

WDFW Priority and Habitats database identifies this area as elk winter range.

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:**

No change in land use is proposed.

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?**

An eight-foot tall concrete intake exists onsite. No new structures will be built.

b. **What views in the immediate vicinity would be altered or obstructed?** *None.*

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? 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.

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?**

Fishing, hunting, and swimming.

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

No recreational uses will be displaced.

c. **Proposed measures to reduce or control impacts on recreation, including recreational 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.** *No.*

b. **Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.** *None.*

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

Keep the project within the existing footprint.

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.**

Shannon Road off of Highway 4 serves this site.

b. **Is site currently served by public transit? If no, what is the approximate distance to the nearest transit stop?**

The site is not served by public transit. The nearest stop is 25 miles away in Naselle.

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

The completed project will not add or reduce parking spaces at the hatchery.

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.**

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

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. **Underline utilities currently available at the site: 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.**

No additional utilities proposed.

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: Marty Peoples **DATE SUBMITTED:** 5/22/08

Grays River Intake Repair

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