

WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the questions from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write "do not know" or "does not apply." Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

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.

Use of checklist for nonproject proposals:

Complete this checklist for nonproject proposals, even though questions may be answered "does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS (part D).

For nonproject actions, the references in the checklist to the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area," respectively.

A. BACKGROUND

1. Name of proposed project, if applicable: *Restoration and maintenance of high flow bypass channel at WDFW's Snow Creek Station fish traps*
2. Name of applicant: *Washington Dept. of Fish and Wildlife (WDFW), Fish Program*
3. Address and phone number of applicant and contact person: *WDFW, Attention: Thom H. Johnson, 283236 Highway 101 Port Townsend, WA 98368-4196; 360 280-2734 cell, 360 765-3979*
4. Date checklist prepared: *Sept. 22, 2010*
5. Agency requesting checklist: *Washington Dept. of Fish and Wildlife (WDFW)*
6. Proposed timing or schedule (including phasing, if applicable): *The site of the project is above the Ordinary High Water Line of Snow Creek; work will be done while flows are below the OHWL; it is preferable to do the work soon, e.g., during fall/winter 2010, but the work can be done anytime flows are below the OHWL.*
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.

JARPA for HPA and Jefferson County Shorelines Permit exemption

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.

HPA, Jefferson County Shorelines Permit exemption

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.)

WDFW has operated upstream/downstream fish trapping facilities at Snow Creek Station since 1977. The trapping facilities are an important part of the research, monitoring and evaluation, and restoration of salmon and steelhead in Snow Creek and the information collected here is used and applied to better manage wild population and fisheries in other areas.

During winter and spring 2010, approximately one-third (60 feet) of the high water bypass channel has scoured (eroded) due to head cutting of the downstream end of the channel during flood flows. If the channel is not repaired and stabilized, flood flows would continue to scour and head cut the channel. This would soon lead to Snow Creek migrating into the eroded channel and completely bypassing the upstream and downstream traps. Salmon and steelhead adults and smolts would make an 'end run' around the traps, rendering the trapping facilities ineffective.

This project is designed to prevent further erosion and head cutting of the high water bypass channel. In the eroded section of the high water bypass channel, the project will (1) construct rock cascades with a 50:50 combination of rep rap and quarry spalls, (2) fill voids between the rock cascades with soils, and (3) re-vegetate the project site with grasses and native riparian plantings.

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.

Vicinity map attached

WDFW, Snow Creek Station, 283236 Highway 101, Port Townsend, WA 98368

From Highway 101/SR 20 junction at Discovery Bay, go south 0.5 miles on Highway 101, between mile posts 283 and 284.

S ¼ section, Section 25/26, Township 29N, Range 2W

47.97925 N lat. / -122.88342 W long.

Tax parcel no. 902252016

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (circle one): Flat, rolling, hilly, steep slopes, mountainous, other

b. What is the steepest slope on the site (approximate percent slope)? 3%

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.

River-deposited glacial rock, gravels, sands and silts; adjacent to farmland

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

Yes, high flow bypass channel has been eroded during flood flows; this project will stabilize the bypass channel.

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

Construct 3 rip rap cascades to control gradient; fill eroded bypass channel and revegetate. Bypass channel repair will include require use of the following fill materials: 70 cubic yards (cy) fill dirt; 30 cy light loose rip rap, 2' minus; and 30 cy quarry spalls

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. *No, the project will stabilize the bypass channel and prevent erosion.*

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? *None*

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

The project will stabilize the bypass channel and prevent erosion; straw will initially be placed and the project site will be re-vegetated

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.

Some emissions will occur from heavy equipment used during the project, but emission controls will be in place.

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

None known

c. Proposed measures to reduce or control emissions or other impacts to air, if any: *emission controls will be in place on all equipment used*

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

Yes, Snow Creek is adjacent to the project site. Snow Creek flows into Discovery Bay

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, the high flow bypass that is to be repaired is adjacent to Snow Creek; see attached 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.

Bypass channel repair will include require placement of the following fill materials: 70 cubic yards (cy) fill dirt; 30 cy light loose rip rap, 2' minus; and 30 cy quarry spalls; see attached plans

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

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

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*

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.

There will be no discharge to groundwaters.

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.

Existing pattern of run-off will not be changed.

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: *BMPs for construction work*

4. **Plants**

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

——— deciduous tree: *alder, maple*, aspen, other

- _____ evergreen tree: fir, cedar, pine, other
- _____ Shrubs: salal, salmonberry
- _____ Grass: pasture 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? *None*
- c. List threatened or endangered species known to be on or near the site. *None*
- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: *revegetate with native grasses and riparian plants*

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, songbirds, other: waterfowl

mammals: deer, bear, elk, beaver, other: *river otters and small mammals typical to Washington such as mice, shrews, etc.,*

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

- b. List any threatened or endangered species known to be on or near the site.
Snow Creek supports a population of summer chum and winter steelhead - - each are listed as Threatened under the ESA.
- c. Is the site part of a migration route? If so, explain. *On occasion, species such as bald eagles will transit the area and may feed in the area. Summer chum and coho salmon and winter steelhead migrate in Snow Creek near the site.*
- d. Proposed measures to preserve or enhance wildlife, if any: *revegetate site with native grasses and riparian plants*

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.

No additional energy will be required

- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. *No*
- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any: *none*

7. Environmental health

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.

No chemicals or explosives or hazardous waste will be used in the project

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

Those services common to a construction sites such as medic.

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

All work will be done according to health and safety standards from Labor and Industries

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 a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.
Noise from heavy equipment (excavator, dump trucks) during normal working hours, 8 AM to 5PM
- 3) Proposed measures to reduce or control noise impacts, if any: *operation during normal working hours*

8. Land and shoreline use

- a. What is the current use of the site and adjacent properties?
Fish research station and office for WDFW field staff since 1978; adjacent properties are agricultural
- b. Has the site been used for agriculture? If so, describe. *No*
- c. Describe any structures on the site.
WDFW office trailer, upstream and downstream fish traps, outbuildings
- d. Will any structures be demolished? If so, what? *No.*
- e. What is the current zoning classification of the site? *Residential (1 residence/5acres)*
- f. What is the current comprehensive plan designation of the site? *Residential (1 residence/5acres)*
- g. If applicable, what is the current shoreline master program designation of the site? *Rural conservancy*
- h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify. *No.*
- 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: *Not applicable*
- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
Jefferson County review and WDFW Habitat Management biologist review, approval, and recommendation: SEPA, Shorelines, and Hydraulic Project Approvals ensure compatibility

9. Housing

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.
No new housing units involved
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.
Not applicable
- c. Proposed measures to reduce or control housing impacts, if any: *Not applicable*

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? *No proposed structures above ground level*
- 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 needed*

11. **Light and glare**

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
None; work will be done during daylight hours
- 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: *No impacts expected*

12. **Recreation**

- a. What designated and informal recreational opportunities are in the immediate vicinity?
Wildlife viewing, hunting, hiking
- 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: *Not applicable*

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.
There are presently no such objects or sites identified at this location
- b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site. *None known*
- b. Proposed measures to reduce or control impacts, if any: *Should any objects or structures be found that are of historic or cultural importance, work will stop immediately and the Office of Archeology and Historical Preservation will be notified*

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. *See site map; no change to existing conditions will occur.*
- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop? *No.*
- 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).
There will be no new roads or improvements to existing roads.
- 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: *Not applicable*

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 change from existing use*

b. Proposed measures to reduce or control direct impacts on public services, if any. *No change from existing use*

16. Utilities

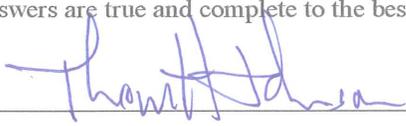
a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other, vault toilet.

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 change from existing utilities

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:  Thom H. Johnson

Date Submitted: September 23, 2010

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS

(do not use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

Proposed measures to avoid or reduce such increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources?

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.

