

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:

BEAVER CREEK BRIDGE REPAIR

2. Name of applicant:

Washington State Fish and Wildlife

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

Washington State Fish and Wildlife

600 Capitol Way North
Olympia, WA. 98501
Contact person: Cindy Knudsen
360 902 8422

4. Date checklist prepared:

10 15 2012

5. Agency requesting checklist:

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

October 2012 – October 2013

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 additional environmental information has been prepared for this proposal.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No

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

An HPA will be required for this proposal.

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.)

At the Beaver Creek Hatchery in Cathlamet, WA, re-decking of an existing and otherwise intact (11 feet wide by 33 feet long) vehicle bridge will be performed. The wooden slats are aged and worn and this repair needs to be performed so that the bridge remains operational.

No aspect of this proposed project will enter the wetted perimeter of Beaver Creek. All repairs will be done from above OHW. An effective drop cloth or "diaper" will be installed prior to any work on the bridge deck to prevent materials from falling into the channel. The drop cloth shall be gathered up and removed such that the cloth and the contained waste materials are disposed of at an approved facility.

The bridge deck will be cleaned of aggregate or earth materials prior to deck removal. Existing bridge decking will be removed as individual planks to the extent possible. Removal and replacement of existing structure shall be accomplished so as to minimize damage to stream banks and woody vegetation. Equipment used for this project will be free of external petroleum based products while working around the stream.

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.

From Interstate 5, Take exit 40 toward WA-4 S/Kelso Long Beach/Longview. Go 0.3 miles. Turn Right onto N. Kelso Ave. Take slight left onto N. Pacific Avenue. Take the 3rd right onto Cowlitz Way. Go 0.6 miles. Turn right onto WA-4 W. /Ocean Beach HWY. Go 13.1 miles. Turn right onto Mill Creek Road for about 1.0 miles. Mill Creek Road turns slightly left and becomes Spruce Creek Road. Turn right onto Spruce Creek Road. Turn right onto Cathlamet Road. Go 7.2 miles. Continue onto Beaver Creek Road (Elochoman Valley Road) for 1.3 miles. Arrive at destination, Washington State Beaver Creek Hatchery, 28 Beaver Creek Road, Cathlamet, WA. 98612. T9N, R5E. S32. (46.22619,-123.32578).

B. ENVIRONMENTAL ELEMENTS

1. Earth

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

The project is located on the grounds of the Beaver Creek Hatchery, in a cleared area where a vehicle bridge crosses Beaver Creek.

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

The steepest slope on the site is 2% .

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.

The soil type found at the bridge repair site is Udipsamments, level. This soil type is an excessively drained soil type.

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

No unstable soils are known in this vicinity.

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

No fill or grading will be done as a component of this project.

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

No. Erosion is not likely to occur as a result of this project.

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

Most of the bridge deck will be covered with impervious surfaces, with spaces between the slats. This area comprises 363 square feet.

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

Underneath the bridge deck will be protected with a tarp to capture any debris that may fall from the bridge slats during construction. Construction equipment will remain on previously paved or graveled surfaces. No erosion is anticipated from the completion of this or the construction to replace bridge slats.

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.

Typical emission from a pickup truck during construction will occur. No emissions will result from the proposal.

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

The bridge deck where boards will be replaced crosses over Beaver Creek, a tributary to the Elochoman River. A Palustrine wetland is located 200 feet away from the bridge deck. There are hatchery ponds nearby the project area.

- 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.

The project is over Beaver Creek.

- 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.

No fill or dredge will be placed in or removed from surface water or wetland as a component of this project.

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

No surface water withdrawals or diversions will be done as a component of this project.

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

Yes this entire project is within the 100 year floodplain. See site drawing.

- 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.

This project will not involve any discharge of waste materials to 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 ground water will be withdrawn, and no water will be discharged to ground water as a component of this project.

- 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 materials will be discharged to the ground from any source as a component of this project.

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.

Water will sheet flow in natural patterns through the bridge slats, and drain directly into Beaver Creek. This pattern will not change from previous drainage patterns of the old bridge deck. Beaver Creek is a tributary of the Elochoman River.

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

No waste materials from this project will enter ground or surface waters. During construction, the area under the bridge will be draped with a tarp to collect any materials that could enter Beaver Creek. After construction these materials will be collected from the tarp and disposed of out of the area.

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

No measures are proposed to control surface, ground, and runoff water impacts as a component of this project.

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
- 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?

No vegetation will be removed as a component of this project.

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

Coho, Lower Columbia River ESU
Chum: Columbia River Chum
Chinook: Lower Columbia River Chinook
Possible:
Eulachon
Columbia White tailed deer

This is a Marbled Murrelett adjacent section, however the nearest biotic occurrence for marbled murrelett is 10,000 feet away.

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

None.

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:
mammals: deer, bear, elk, beaver, other:
fish: bass, salmon, trout, herring, shellfish, other: possible presence of eulachon

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

A marbled murrelet biotic detection location is identified within 10,000 feet of the project location. Eulachon, Columbia White tailed deer or spotted owl may also be in the vicinity.

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

Elk or Columbia White-tailed deer could migrate through the area. Salmon or trout could migrate underneath the project location.

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

None.

6. Energy and natural resources

a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

the completed project will not require any source of energy.

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.

1) Describe special emergency services that might be required.

No special services will be required for this project.

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

Best Management practices will be used during construction, no environmental health hazards will be needed at project completion.

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.

Typical construction noise from compressors, drills, pickup trucks, excavators or possibly a track hoe could be produced during construction of this project. No sound will result from project completion.

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

Construction will occur during typical working hours of 7 a.m. – 6 p.m.. No measures are proposed to control noise impacts.

8. Land and shoreline use

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

This project is at the site of the Beaver Creek Hatchery. Adjacent properties are rural with some light agricultural uses. There are some residences nearby.

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

No.

c. Describe any structures on the site.

There are fish rearing ponds, outbuildings, and hatchery buildings including staff residences nearby.

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

Only the existing bridge deck will be demolished. The otherwise intact vehicle bridge will remain.

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

NA

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

Rural Residential

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

Rural (shoreline and aquatic)

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?

No persons would reside here.

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

None.

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

None.

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 height of the proposed repair of the bridge will not change. Bridge slats are wooden.

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?

None.

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?

There are wildlife watching, hiking, fishing nearby.

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

- 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.

No.

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

The Beaver Creek Hatchery intake and fish ladder was built in 1957. The Department of Archeological and Historic Preservation has created a Historic Property Inventory Report for this site (06/07/2011). It has been determined that the Beaver Creek Hatchery is not eligible for listing on the National Register as a resource. <https://fortress.wa.gov/dahp/wisaard/>

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

None.

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.

Interstate 5 and Highway 4 serve this site. This site is accessed by the Beaver Creek Road, off the Elochoman Valley Road.

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

The nearest public transportation site is unknown.

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

None.

- 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 increase in public services is anticipated.

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

None.

16. Utilities

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

None.

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.

None.

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: *Cynthia Knudson*

Date Submitted: *10/16/2012*

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.