

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The agency to which you submit this checklist may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals:

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background [\[HELP\]](#)

1. Name of proposed project, if applicable:

Richter #2 Access Boat Ramp Repair

2. Name of applicant:

Washington Department of Fish & Wildlife

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

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

4. Date checklist prepared:

11/05/18

5. Agency requesting checklist:

Washington Department of Fish & Wildlife

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

The WDFW approved fish window for work below ordinary high water is July 1 to September 15 with work to be completed in 2019 or 2020.

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.

Environmental and ESA documentation will be prepared for the Army Corps of Engineers.

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 known.

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

King County Shoreline permit, HPA, US Army Corps Permit

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

The project will remove the last 14' x 10' planks (10) and replace them with a 16' x 16' mat of articulated concrete. The mat will be anchored in place with mantaray anchors and stainless steel cable. Total net cut and fill is 0 CY. There will an increase of 156 square feet of impervious surface once the articulated concrete mat is placed.

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.

The project is located on the WDFW Water Access Site at Richter #2 on the Snoqualmie River in King County. The access area is located near Fall City. In the town of Fall City, go north on Hwy 203. After the traffic circle, immediately turn left on to Neal Rd. Access is on the left 2.8 miles. The project site is located within Township 24N, Range 7E, Section 4. The site is located at King County Parcel numbers 4501-000-004-0002 and 4501-000-003-0003.

B. Environmental Elements [\[HELP\]](#)

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

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)?

The boat launch is approximately 17% slope.

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

The site is primarily categorized as Puget silty clay loam, 0 to 2% slopes.

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

No.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

The last 10 planks will be removed (14’x10’ each). Excess material will be removed from the site.

An articulated concrete mat measuring 16’x16’ will be placed at the end of the ramp. New planks are pre-cast concrete.

Material	Cut Below OHW	Fill Below OHW	Cut Above OHW	Fill Above Ohw
Ramp Planks	2 CY			
Articulated Concrete Mat		5CY		
Native Material	3 CY			
Total Cut/fill	5 CY	5 CY	0 CY	0 CY

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

No. The articulated concrete mat is being placed in the same location as the current ramp.

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

There will an increase of 156 square feet of impervious surface once the articulated concrete mat is placed. This is an increase of less than 0.6% of the parcel size.

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

A turbidity curtain will be deployed to reduce impacts on the river.

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

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

General emissions from construction equipment will be present but no additional emissions will result after project completion.

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 controllers will be present on construction equipment.

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

a. Surface Water: [\[help\]](#)

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 Snoqualmie River is accessed by the boat ramp. No wetlands are located at the site.

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 project will include work below OHW of the Snoqualmie River.

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.

Cut below OHW is 5 CY and fill below OHW is 5 CY. Fill material is articulated concrete mats.

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

Surface water will not be withdrawn or diverted. A turbidity curtain will be placed around the work area to reduce siltation.

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

The ramp work will all occur within ZONE AE. The flood elevation of this zone is 82 feet. The FEMA Firm Map (53033C0710G) is effective as of 09/29/98.

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.

When the ramp is removed and the substrate is being amended for the new ramp, some turbidity may enter the water. The area will be surrounded by a turbidity curtain to lessen the effects in the river.

b. Ground Water: [\[help\]](#)

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No groundwater will be withdrawn.

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 discharged material.

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.
Runoff, including stormwater runoff, will not be altered. The water currently flows into the Snoqualmie River and this will continue after project completion.

2) Could waste materials enter ground or surface waters? If so, generally describe.
Water runoff will reach the river. During construction, BMPs will be implemented that allow only clean water to reach the lake. These BMPs may include straw wattles, straw bales, turbidity curtain, and/or silt fencing.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.
No.

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

During construction, BMPs will be implemented that allow only clean water to reach the river. These BMPs may include straw wattles, straw bales, turbidity curtain, and/or silt fencing.

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

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

- deciduous tree: alder, maple, aspen, **cottonwood**
- evergreen tree: fir, cedar, pine, other
- shrubs
- grass
- pasture
- crop or grain
- Orchards, vineyards or other permanent crops.
- wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other
- water plants: water lily, eelgrass, milfoil, other
- other types of vegetation

b. What kind and amount of vegetation will be removed or altered?
No vegetation will be removed or altered.

c. List threatened and endangered species known to be on or near the site.
None are known to be on the site.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:
No vegetation enhancement will be done.

- e. List all noxious weeds and invasive species known to be on or near the site.

The site has Himalayan blackberries and reed canary grass.

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

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

Examples include:

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

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

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

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

Marbled murrelet (threatened), streaked horned lark (threatened), yellow-billed cuckoo (threatened), North American wolverine (proposed threatened), and bull trout (threatened) are all listed species near the site according to USFWS.

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

Migratory birds listed of being concern at the site include blad eagle, great blue heron, olive-sided flycatcher, and rufous hummingbird.

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

No direct measures are proposed.

- e. List any invasive animal species known to be on or near the site.

None are known.

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

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

No energy will be used at the site.

- 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 proposed.

7. **Environmental Health** [\[help\]](#)

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

If so, describe.

None are known.

- 1) Describe any known or possible contamination at the site from present or past uses.
There are no known contaminants.
- 2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.
There are no known hazardous chemicals or conditions on the site.
- 3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.
During construction, fuels and other products for machine use may be kept on site. These will be kept on work trucks when not in use.
- 4) Describe special emergency services that might be required.
No additional special emergency services will be required. The site's use is not changing.
- 5) Proposed measures to reduce or control environmental health hazards, if any:
Any hazards will be kept contained and away from the public.

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?
No noise exists that may 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.
The use of the site is not changing, so there is no anticipated noise impacts. Construction will occur for approximately one week between the hours of 7am and 6 pm.
- 3) Proposed measures to reduce or control noise impacts, if any:
The use of the site is not changing, so there is no anticipated noise impacts. Construction will occur for approximately one week between the hours of 7am and 6 pm.

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

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.
The site is currently used as a boat launch and water access area. The neighboring properties are farmed areas and other undeveloped sites. The proposed work will have no impact on the current uses.
- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to

other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

The project site was sold to WDFW in 1966 and has been a public access site since that time.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

No. The access will not affect surrounding properties.

c. Describe any structures on the site.

Aside from the boat launch, there is a kiosk.

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

Ten boat ramp planks will be removed.

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

A35

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

Ag

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

Resource Shoreline

h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

The area is listed as a seismic hazard.

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:

No proposed measures.

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

The use of the site is not changing.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

No proposed measures.

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

- 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 [\[help\]](#)

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?
The articulated concrete mats are placed on the ground level grade. There are no proposed structures above ground grade or above OHW.
- b. What views in the immediate vicinity would be altered or obstructed?
None.
- b. Proposed measures to reduce or control aesthetic impacts, if any:
No measures are proposed.

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

- 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:
No measures proposed.

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

- a. What designated and informal recreational opportunities are in the immediate vicinity?
This is a water access site open to public use. There is a small gravel parking area.
- b. Would the proposed project displace any existing recreational uses? If so, describe.
Recreational uses will be paused while the ramp is being improved. Once the new articulated concrete mats are in place, the access will be reopened to public use with a new, safer ramp end.
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:

The project will be completed in a timely fashion and will avoid excess closure time. The work is expected to be completed in a week, but may extend to two weeks if conditions are less favorable.

13. *Historic and cultural preservation* [\[help\]](#)

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers ? If so, specifically describe.

The Cultural Resources Desktop Review (CRDR), November 14, 2018, Douglas Mackey, WDFW CAMP Cultural Resources Review Coordinator, includes two records of potentially eligible structures within a mile of the project site. The closest structures: “two parallel rows of pilings, each approximately 980 feet long,” were installed prior to 1925. These were located approximately 1,000 feet north of the boat ramp and deemed not eligible for the NRHP and removed circa 2016 by King County for public safety reasons. The other structure, the Seana Barn, was deemed NRHP-eligible and is 0.9 miles northwest of the boat ramp. This CRDR review includes searches in the Department of Archaeology and Historic Preservation (DAHP) WISAARD, and WDFW records.

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

No evidence of Indian historic use or occupation has been recorded within a mile of the site per the records of DAHP or WDFW. Indian use or occupation site is a matter of record in WISAARD approximately 1.1 miles north of the project area. A cultural resource investigation is scheduled to take place early in 2019 wherever undisturbed soils exist within the Area of Potential Effect (APE).

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.

WDFW cultural resources staff reviews all data available from the department of archeology and historic preservation (DAHP) WISAARD within 2-miles of the Area of Potential Effect (APE). Cultural resource investigations will be conducted in all areas where undisturbed soils exist within the APE. The scope of these investigations will be circulated to interested tribes and the DAHP. Cultural Resource Reports will also be circulated to these same groups for comment. The WDFW Architectural Historian will also review and report regarding the project’s potential adverse impacts to historic structures.

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

WDFW will implement the recommendations of the Cultural Resource Report, such as monitoring, and will work with the construction crew to review the contents and actions called for by the Inadvertent Discovery Plan (IDP).

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

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

The site is accessed via Neal Rd SE. There will not be new access added.

- b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

The site is not served by public transit. Snoqualmie Valley Transportation is a private transportation system that provides transportation options to the public for a donation. Suggested donation is \$1 per ride. There is a stop in Fall City at SE Redmond-Fall City Rd and 337th Pl SE, roughly 3.1 miles away.

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

The project will not alter parking.

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

There will be no alterations of roads, streets, and pedestrian access.

- e. Will the project or proposal 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 or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates?

No additional trips per day are anticipated. All vehicles are passenger vehicles, some towing trailers with boats.

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

No.

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

No measures are proposed.

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

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

No. Changes in site use and traffic are not anticipated with the improvements.

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

No impact is anticipated.

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

- a. Circle utilities currently available at the site:

electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,
other _____

None

- c. 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 [\[HELP\]](#)

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: 

Name of signee Christina L. Gourley

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

Date Submitted: 11/19/18