

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:

Salmon Hatchery Access Redevelopment (Sol Duc)

2. Name of applicant:

Washington Department of Fish and Wildlife (WDFW)

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

Chris Gourley; 600 Capitol Way North, Olympia, WA 98501; (360) 902-8392

4. Date checklist prepared:

02/05/19

5. Agency requesting checklist:

WDFW

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

This work is scheduled to be completed by June 30, 2019.

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

None are known at this time.

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

No environmental information has been or will be 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 are known.

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

Clallam County will require a building permit (vault toilet) and a septic permit (vault toilet).

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 Salmon Hatchery Access at the Sol Duc Hatchery will be redeveloped to increase usability. The project will repave the existing road around the access, asphalt pave the current gravel parking area, and add ADA parking and an ADA compliant vault toilet. A 35'x10.5' ADA boat loading platform will also be poured on the site. No work will occur below OHW.

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 proposed project is located at the Salmon Hatchery Access at the Sol Duc Hatchery in Clallam County. The site is near Lake Pleasant, off Highway 101. From Highway 101, turn south onto Olympia Discovery Trail and take an immediate right onto Pavel Rd. The access is the first driveway on the right. The parcel, 133036410025, is located in Section 36, Township 30N, Range 13W.

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 steepest slope on the site is roughly 30%.

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 area's soils are listed in the NRCS Web Soil Survey as Queets silty loam. This soil type is found at elevations between 50 and 600 feet in areas with 85-120 inches of mean annual precipitation. All areas with this soil are prime farmland. It is found within floodplains and terraces and is a well-drained soil.

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

While erosion has likely occurred from the movement of the Sol Duc River through geologic time, the immediate vicinity is fairly flat and does not have indicators of unstable soils. Nearby soil types are moderate limitation soils with low slope gradients.

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 fill on this site will be used to renovate the site by adding a loading platform, new pavement, in both overlays and new surfacing, and to serve as subgrade for structures like the vault toilet and the loading platform. The impacted project area is approximately 35,095 SF and consists of primarily asphalt overlay and change from gravel to asphalt surface. All work is upland work and will not be near waters. Including the concrete work (loading platform), asphalt overlay and new asphalt, and subgrade materials for the toilet, fill is estimated at 235 CY. All fill will be locally sourced, where possible.

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

Temporary erosion and sediment control measures (TESC) will be utilized to prevent erosion as needed on the project site. The site is surrounded by trees and other native vegetation that will also serve as a BMP.

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

The site is currently approximately 40% impervious surface if we include only the direct access area. The site will not be increasing in impervious surface more than roughly 1% and will be adding access under ADA compliance.

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

Straw wattles and/or other applicable BMPs will be used to control erosion. The site is previously disturbed and very little area will be newly disturbed for this project.

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.

There will be no new sources of emissions to the air when the project is complete. During construction, the equipment used to construct project elements will be fitted with standard emission controls. This impact to air will be temporary in nature, if at all.

- 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:

During construction, the equipment used to construct project elements will be fitted with standard emission controls. This impact to air will be temporary in nature, if at all.

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 Sol Duc River is present at the west end of the site. This river meets the Bogachiel River and becomes the Quillayute River near La Push at the Western Washington Coast. This site provides access to the river for recreational opportunities.

- 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.

A small amount of paving will be done within 200 feet of the river's OHW. The majority of the work will be completed outside the shoreline buffers.

- 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 occur within surface waters or wetlands. Gravel and asphalt will be sourced locally where possible.

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

There will be no surface water withdrawals or diversions.

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

FEMA map 5300210420C shows a portion of the proposal is within ZONE A8 at elevation 389-390.

- 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.

There will be no discharge of waste materials to surface waters.

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. Water will not be discharged to groundwater.

- 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 into the ground from any source.

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.

The stormwater is not substantially changing from the current conditions. Some minor regrading will be done to direct stormwater flows to detention areas and to natural swales within the site. Some flows will continue to flow over impervious surfaces and into the river as they currently do.

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

Waste materials could enter surface waters from the boat ramp area. Other topographic features of the site will direct runoff to vegetated areas.

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

No. Only minor grading of the parking area will occur.

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

Some crowning of asphalt will be done to direct stormwater. Two low detention areas will be added to collect stormwater.

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

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

- deciduous tree: **alder**, maple, aspen, other
 evergreen tree: fir, cedar, pine, other, **Douglas Fir**
 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?

One tree will be removed for the truck and trailer pull through area. The site was designed to retain as many trees as possible. Some grass area will also be removed

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

No species of listed plants are known at or near the site.

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

Vegetative enhancement is not planned. Areas of disturbance will be seeded and plans have been made to leave as many trees and other plants as unaltered as possible.

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

None are known.

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.

According to iPaC (USFWS), Marbled murrelet, streaked horned lark, yellow-billed cuckoo, and bull trout are listed as threatened. No critical habitat exists on the site.

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

Salmonid species migrate through this area as well as birds. Bald eagle and great blue heron are listed as migratory birds within the area.

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

Design elements have been prepared to retain as many trees as possible. No enhancement strategies 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.

None.

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

No.

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

None.

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.

No.

- 1) Describe any known or possible contamination at the site from present or past uses.

No contaminations are known.

- 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.

None are known.

- 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.

Fuel may be stored on site during construction. It will be stored away from any public use areas and a spill kit will be on site at all times. Once the site is reopened for full public use, there will not be any toxic or hazardous chemicals left on site.

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

No additional services will be required. The site is not changing use or adding significant uses.

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

None are proposed.

b. Noise

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

No noises will 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.

During construction, some noise may be created from the equipment. This will be temporary in duration. Any noise at the site is not expected to change, as the use of the site is not changing.

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

None are proposed.

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 used as a public water access site. Users can launch boats into the Sol Duc River from this site. It is on the same parcel as the Sol Duc Hatchery, used for aquaculture.

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?

This is not working farm or forest lands and the use of the site will not change with the proposed work.

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.

c. Describe any structures on the site.

The access site currently has no above ground structures.

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?

Resource Conservancy

h. Has any part of the site been classified as a critical area by the city or county? 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:

None.

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

None. The site use will not change.

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

None.

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 proposed CXT vault toilet is the tallest structure and is roughly 9.5 feet to the top of the roof and 15 feet to the top of the vent pipe. Exterior is made of precast concrete in shades of grays, browns, and greens to match natural surroundings.

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

No views will be altered or obstructed.

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

The colors used for the vault toilet blend in to surroundings to give a more natural appearance to the site as a whole.

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:

None.

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

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

The site is a water access site listed on the DFW webpage. It provides access and a boat launch on the Sol Duc River. A learning and interpretive center is located on the hatchery grounds about 600 feet down the road from the access area and the public are welcome at the hatchery.

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:

The access will only be closed as long as it is necessary to complete the work there. Additions of vault toilets (ADA compliant) and an ADA compliant loading platform will allow for ease of use by a diverse user group.

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), December 28, 2018, Douglas Mackey, WDFW CAMP Cultural Resources Review Coordinator, includes the Beaver School that is listed on the National Register of Historic Places. Several historic railroad properties are within a mile of the project site, including the historic Spruce Railroad that crosses the Sol Duc Hatchery property. 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. The nearest of the Indian use or occupation sites that is a matter of record in WISAARD are over a mile from the project area. Several Cultural Resource Reviews have been conducted nearby, though none are specific to this APE. 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's (DAHP) WISAARD within 2-miles of the Area of Potential Effect (APE).

Cultural resource investigations will be conducted in all areas where undisturbed soils, or historic structures, 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.

There will be no new access to public roads. The site is served by Highway 101 and Pavel Road.

- 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?

Clallam Transit serves Highway 101 and has a stop on Route 14 in Sappho near Highway 113. This is approximately 1.8 miles from the access area.

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

The site is currently not striped and vehicles utilize space to it's potential. The new striping will delineate 4 car spots, 1 ADA spot at the vault toilet, 1 ADA trailer spot, and up to 7 trailer spots.

- 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).

All asphalt work including overlay will be done on private property and not on the county road.

- 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?

New trips are not anticipated. This site will not change in use.

- 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:

None.

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.

The site use is not changing and it is not anticipated that an increase in public services would be needed.

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

None.

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

- a. Circle utilities currently available at the site:

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

None are available at the access site.

- 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.

A vault toilet will be added, but no other utilities will be added to the access site.

