

# SEPA<sup>1</sup> Environmental Checklist

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## 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-

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<sup>1</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/Checklist-guidance>

projects) questions in “Part B: Environmental Elements” that do not contribute meaningfully to the analysis of the proposal.

## **A. Background**

[Find help answering background questions<sup>2</sup>](#)

**1. Name of proposed project, if applicable:**

Sol Duc Hatchery Weir Permanent Replacement

**2. Name of applicant:**

WDFW

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

600 Capitol Way N, Olympia WA 98501; 360-789-2464; Doug Wiedemeier

**4. Date checklist prepared:**

July 31, 2024

**5. Agency requesting checklist:**

WDFW

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

Start in 2025 (or whenever fully permitted and contractor is selected). Project likely to last from May through November. No phasing, but it is possible construction might last more than one summer, but preference is to complete in one summer (thus the long in-water request).

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

The intake will be modified at some unknown future date to get screens compliant with current state and federal requirements and possibly improve resident fish passage (to be further evaluated in 2024). Unrelated to this work, the hatchery is expanding raceways to allow for increased production of Chinook salmon for Southern Resident Killer Whales.

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

A Biological Assessment has been completed to submit with federal permits. The design consultant has bathometric surveys and geotechnical boring data.

**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 for this footprint. See Q7 for other work at hatchery.

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

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<sup>2</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-A-Background>

HPA, county shorelines, county flood hazard, county building permit, Army Corps permit, Water Quality Certificate, DNR Aquatic Lease.

- 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 proposes to put out for bid a project to construct a new permanent weir on the Sol Duc River to replace the weir that failed in November 2021 due to high flows. The last weir was precast and modular, this one is proposed to be poured in place and be a double weir to guard against erosion. Elevations of new weir to match original levels of original weir. The new weir will span the river from the existing intake structure to the right bank (approximately 105 feet) and will include a wing wall into the right bank to guard against erosion. A wooden boat ramp will be included for winter drift boat passage. See plans for additional details.

- 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.**

1432 Pavel Road, Beaver WA 98305; T30N R13W s36; Clallam County; N48.0575 W -124.3085

## **B.Environmental Elements**

### **1. Earth**

[Find help answering earth questions<sup>3</sup>](#)

- a. General description of the site:**

Typical section of middle Sol Duc River, where a narrow riparian area exists but not much buffer after that.

**Circle or highlight one: Flat, rolling, hilly, steep slopes, mountainous, other:**

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

Some slopes are over 100%.

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<sup>3</sup> <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-earth>

- 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.**

According to USDA Soil Survey, soil type is Queets Silt loam.

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

There are banks (like right bank downstream) that are failing, but more likely due to river erosion of the toe rather than an unstable slope. County online map shows areas of landslide geohazard, with more on right bank than left bank.

- 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.**

Purpose: to replace weir that failed in 2021 with a channel spanning poured in place concrete weir; total disturbance area of 20,710 SF; 2255 CY cut, 2460 CY fill. Sources of fill unknown until contractor is selected, but likely from nearby commercial sources.

- f. **Could erosion occur because of clearing, construction, or use? If so, generally describe.**

Not likely. There will be a widened boat ramp held in place with sheet pile and we propose tying the weir into the right bank with a wingwall keyed into the slope. Purpose is to prevent erosion by high flows. BMPs will be in place to prevent erosion, both temporary and permanent.

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

There will be more concrete, with most or all within the riverbanks. Upland impervious will increase slightly with the increase in width of the upper ramp resulting in an increase of 364 SF (20,710 SF disturbance total, increase of 1.8%) of impervious surface.

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

BMPs will be used, and water diverted to keep impacts minimal. Planting and seeding of disturbed upland areas will be done first growing season after construction. Other temporary BMPs will used until live plants are established.

## 2. Air

[Find help answering air questions<sup>4</sup>](#)

- 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.**

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<sup>4</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-Air>

There would be an increase in diesel emissions while construction occurs.

- 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:**

Emissions will return to normal after completion of the project.

### 3. Water

[Find help answering water questions](#)<sup>5</sup>

- a. Surface:**

[Find help answering surface water questions](#)<sup>6</sup>

- 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, Sol Duc River (type S water), tributary to the Quillayute River.

- 2. Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.**

Yes, most work is within the Sol Duc River. See 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.**

Cut (dredge) estimated to be 1140 CY and fill is estimated to be 1375 CY. Source will not be known until a contractor is selected via state competitive bid process, but likely to be a local commercial source.

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

Project will not change water withdrawals. Some water may need to be pumped from the work area. Clean water will be pumped back to the river. Dirty water will be pumped upland or into baker tanks where sediment can filter out before water gets back to the river.

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

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<sup>5</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water>

<sup>6</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Surface-water>

Yes. The majority of the project is within OHWM of the Sol Duc River.

**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, discharge will be avoided. Some turbidity will occur. A yet-to-be-written WQMPP will be followed. Equipment working over or below OHWM will have biodegradable hydraulic fluid. Spill kits will be available on site. Fuel of all equipment except small gas pumps to be done more than 50 feet from water. Those small pumps will be in plastic pools to contain any spillage.

**b. Ground:**

[Find help answering ground water questions](#)<sup>7</sup>

**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 a general description, purpose, and approximate quantities if known.**

No changes to water withdrawn.

**2. Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (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 changes to septic or other sources.

**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.**

All stormwater will continue to ultimately end up in the Sol Duc River. BMPs will be used as needed to ensure filtering occurs.

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

Unlikely, but the yet-to-be-approved WQMPP will identify what is measured when, and what are next steps if water quality is affected.

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

The proposed upland sheet pile may have a small effect on drainage.

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

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<sup>7</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Groundwater>

During construction, BMPs will be used as needed. After construction, there will be a brief period of time where vegetation is growing and temporary measures are still needed.

## 4. Plants

[Find help answering plants questions](#)

**a. Check the 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**
- 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?**

Some trimming of tree and bushes. 18 trees proposed for removal and to be replaced with 54 saplings (3:1).

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

None known.

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

Will retain as much existing vegetation as possible. There will be some grass seeding and planting of shrubs and trees upon completion.

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

Himalayan blackberry (*Rubus armeniacus*), reed canary grass (*Phalaris arundinacea*) and Scotch broom (*Sarothamnus scoparius*) are present at the hatchery.

## 5. Animals

[Find help answering animal questions](#)<sup>8</sup>

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

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<sup>8</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-5-Animals>

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.**

Bull trout (*Salvelinus confluentus*), northern spotted owls (*Strix caurina occidentalis*) and marbled murrelets (*Brachyramphus marmoratus*) are likely found in the general area.

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

Yes, both fish and birds migrate past the hatchery.

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

None, though resident fish passage will be assessed. If found to be lacking, a future project would correct once funding is available via state legislature.

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

Barred owls (*Strix varia*) are now common in the area and European starlings (*Sturnus vulgaris*) are also present.

## 6. Energy and natural resources

[Find help answering energy and natural resource questions](#)<sup>9</sup>

**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.**

Mostly diesel, although there may need to be some temporary electrical lines added to meet contractor needs.

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

No impact.

**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.**

Once constructed, the weir does not need utilities to function.

## 7. Environmental health

[Health Find help with answering environmental health questions](#)<sup>10</sup>

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<sup>9</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-6-Energy-natural-resou>

<sup>10</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-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 because of this proposal? If so, describe.**

Potentially gas spills, concrete contamination and in-stream turbidity. Gas spills should be avoided by refueling at least 50 feet from water and presence and use of spill kits. Exceptions will be made for portable gas-powered water pumps and large cranes. Both are troublesome to move just for refueling. Extra precautionary measures will be outlined in the yet-to-be-completed Water Quality Monitoring and Protection Plan (WQMPP). Concrete contamination will be avoided by using cofferdams, allowing concrete to cure at least one week before exposure to live water and testing as required in the Water Quality Pollution Prevention Plan (WQPPP). Turbidity will be monitored and BMPs applies as needed.

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

None 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 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.**

Diesel will be present.

4. **Describe special emergency services that might be required.**

None expected.

5. **Proposed measures to reduce or control environmental health hazards, if any.**

Cofferdam to allow for construction in the dry. Hope to complete all work below OHWM in one season, assuming long work window is approved. Flows and safety concerns might require a second season to complete.

**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)?**

Construction noise will be limited to 7 AM to 7 PM. Sheet pile vibrating will likely be the loudest noise and occur primarily early in construction and towards the end.

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

Limit noise to daytime hours (7AM to 7PM).

**8. Land and shoreline use**

[Find help answering land and shoreline use questions](#)<sup>11</sup>

- 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.**

Adjacent properties are either residences, seasonal campgrounds, or forestland.

- 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 because 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?**

No.

- 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 effect.

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

Adjacent to the project area, there is the intake building and a vault toilet associated with the lower ramp for public use.

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

Remnants of old weir will be removed.

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

Commercial forest.

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

Western Region Rural Low

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

Open water.

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

Clallam County has CR12020-00019, which includes a wetland report. No wetlands in the immediate vicinity of this proposed project.

- i. Approximately how many people would reside or work in the completed project?**

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<sup>11</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-8-Land-shoreline-use>

No change from current.

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

None. Public boat ramp will have to be closed during construction for safety.

**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.**

Hatchery is not new. No compatibility issues.

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

None needed or proposed.

## 9. Housing

[Find help answering housing questions](#)<sup>12</sup>

**a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.**

No change.

**b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.**

No change.

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

None needed.

## 10. Aesthetics

[Find help answering aesthetics questions](#)<sup>13</sup>

**a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?**

Elevation 385 is height of new wingwall, 7 feet above OHWM.

**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.

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<sup>12</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-9-Housing>

<sup>13</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-10-Aesthetics>

## 11. Light and glare

[Find help answering light and glare questions](#)<sup>14</sup>

- 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 needed.

## 12. Recreation

[Find help answering recreation questions](#)

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

Fishing, water activities such as swimming, boating, tubing.

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

Yes. Public boat ramp will have to be closed during construction for safety. Upon completion, new weir will have a boat passage flume and all activities can resume.

- c. **Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:**

None. Other access locations exist downstream. Majority of drift boat and fishing use is in the winter. Local guide association has been consulted about new and old boat flume.

## 13. Historic and cultural preservation

[Find help answering historic and cultural preservation questions](#)<sup>15</sup>

- 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.**

There are records of recent cultural surveys in and near the site, however there are no records of buildings, structures, or sites, located on the site. There is a historic resource

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<sup>14</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-11-Light-glare>

<sup>15</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-13-Historic-cultural-p>

over 45 years old and listed in national and state preservation registers to the north of the site, across from the Sol Duc River.

- 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.**

Although the landscape has been identified as potentially culturally sensitive location; there are no recorded landmarks, features, or other evidence of Indian or historic use or occupation. A review of historic maps and the DAHP database did not result in the identification of any recorded cultural features within the project area.

· Stephen Emerson (2012) Cultural Resources Survey for the WDFW's Sol Duc Hatchery Emergency Power Repair. On file at DAHP. NADB 1682346

· Michael Smith (2013) Cultural Resource Survey of a Portion of the Sol Duc Hatchery Redevelopment Project Area. On file at DAHP. NADB 1683620

· Kristen Hauge (2017) North Fork Calawah Vegetation Management and OHV Project, R17060900031, Olympic National Forest, Cultural Resource Reconnaissance Report. On file at DAHP. NADB 1690676

· Dave Iversen (2019) Sol Duc Hatchery Enforcement Housing Project Archaeological Assessment, Beaver, Clallam County, Washington. On file at DAHP. NADB 1692796

- 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.**

The project was reviewed by a WDFW staff archaeologist. Context for project evaluation was derived from a review of survey and site documents available on DAHP's WISAARD database, a review of DAHP's predictive model. The bulk of the project will take place in-water, and so has a somewhat lower probability to impact archaeological resources.

Tribal consultation is being carried out by the Federal Emergency Management Agency (FEMA) who is the lead agency for Section 106 compliance with affected Tribes to identify the potential for impacts to cultural resources.

The results of these investigations will be used to inform final project design.

- 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.**

The project has been reviewed by a WDFW staff archaeologist, who has determined that portions of the project may have a moderate probability to impact archaeological resources. Appropriate treatment measures for cultural resources will be determined by FEMA in consultation affected parties and tribes.

If cultural significant features are discovered during research, consultation will be carried out with affected Tribes measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources.

The project will operate under FEMA's Inadvertent Discovery Plan, which provides the project proponent with a detail series of steps to follow upon the unanticipated discovery of archaeological or cultural materials.

## 14. Transportation

[Find help with answering transportation questions](#)<sup>16</sup>

- 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.**

Roads all currently exist.

- 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 runs on Hwy 101, nearest stop is 1.6 miles away (as crow flies).

- c. 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).**

No.

- d. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.**

No.

- e. 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?**

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<sup>16</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-14-Transportation>

Likely a dozen or more additional trips per work day. Most traffic will be at the beginning and end of shifts. Probably about half of traffic will be big trucks.

- f. **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.

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

None expected or proposed.

## 15. Public services

[Find help answering public service questions<sup>17</sup>](#)

- 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.

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

None.

## 16. Utilities

[Find help answering utilities questions<sup>18</sup>](#)

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

- b. **Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.**

Project may require additional electrical capacity to supply contractor.

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<sup>17</sup> <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-15-public-services>

<sup>18</sup> <https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-16-utilities>

## C. Signature

[Find help about who should sign](#)<sup>19</sup>

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.

X

X

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**Type name of signee:** Doug Wiedemeier

**Position and agency/organization:** Environmental Planner for WDFW CAMP

**Date submitted:** July 31, 2024

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<sup>19</sup> <https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-C-Signature>