

# 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:*** [\[help\]](#)

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: [\[help\]](#)

Hurd Creek Hatchery Flood Protection Project

2. Name of applicant: [\[help\]](#)

Washington Department of Fish and Wildlife (WDFW)

3. Address and phone number of applicant and contact person: [\[help\]](#)

Washington Department of Fish and Wildlife

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4. Date checklist prepared: [\[help\]](#)

April 15, 2017

5. Agency requesting checklist: [\[help\]](#)

Clallam County

6. Proposed timing or schedule (including phasing, if applicable): [\[help\]](#)

June 2017-October 2018 however, this project will take place during the approved work window outlined in the pending HPA

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. [\[help\]](#)

Future plans for Hurd Creek Hatchery include moving the facility from its current location, at which time, elements placed in this project would be removed. However, there is currently no funding to move the facility, nor is there a set date; therefore, this proposal is a stand-alone project.

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. [\[help\]](#)

WDFW conducted a wetland delineation

WDFW and the Jamestown S’Klallam Tribe conducted a cultural resources consultation

Clallam County permits and related documents 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. [\[help\]](#)

There are no applications pending government approvals.

10. List any government approvals or permits that will be needed for your proposal, if known. [\[help\]](#)

SEPA, WDFW HPA, DNR JARPA and Aquatic Use Authorization, and Clallam County Shoreline Exemption & Habitat Management/Mitigation Plan. Other permits may be required and will be obtained as required.

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

The purpose of the proposed project is to protect Hurd Creek Hatchery infrastructure from flooding and erosion from the Dungeness River. WDFW’s Hurd Creek Hatchery is located at river mile 0.2 on Hurd Creek, a tributary to the Dungeness River at river mile 2.7. Its primary purpose is to aid in wild stock restoration. Hurd Creek Hatchery serves as the initial incubation site and rearing facility for Elwha River Chinook Salmon and Dungeness River Chinook Salmon. Additional hatchery programs raise Steelhead, Pink Salmon, and Rainbow Trout. The Chinook hatchery programs are intended to help maintain adequate numbers of fish until the habitat can support naturally sustainable populations. Hurd Creek Hatchery is considered essential to both WDFW and co-managers, including the Jamestown S’Klallam Tribe, in the recovery of fish populations in the Dungeness and Elwha rivers. Loss of hatchery infrastructure that could occur if this project were not completed could compromise restoration efforts of fish populations.

The mainstem Dungeness River lies west of Hurd Creek and Hurd Creek Hatchery. There is high potential for Dungeness River avulsion into Hurd Creek (Rot and Edens 2008) and damage to hatchery infrastructure. Flood events in November 2015 (FEMA DR-4249) and December 2015 (FEMA DR-4253) resulted in the Dungeness River channel migrating as much as 80 ft to the east over a length of 600 linear ft on the east bank. Several large trees fell, detaining riverbed material, and resulting in a bed elevation rise of 5 ft. The new Dungeness River east bank is located approximately 100 ft from well 3 and 80 ft

from well 4, which supply approximately 30% of the water for the hatchery. During the November 2015 flood event, raceways, incubation, processing, and office facilities were inundated by 2 ft of water.

In response to the November 2015 event, WDFW relocated the trees and cabled them into place on the east bank of the Dungeness River as an emergency protection measure. During the December 2015 flood event, the anchors were scoured and the trees were mobilized. In response to the December 2015 event, WDFW cabled the trees into place again and placed 600 cubic yards of riprap along the east bank of the Dungeness River as an emergency protection measure. Riprap was placed as a temporary emergency measure and must be removed as required by the United States Army Corps of Engineers, Washington Department of Natural Resources, Clallam County, and WDFW.

This project will involve four major elements:

1. Hatchery Scour Protection: Riprap will be placed in a trench adjacent to the hatchery fence line for scour protection when the river moves into the Hurd Creek alignment. The riprap trench will serve to minimize scour and undermining of hatchery infrastructure that could occur as a result of flooding.
2. Hatchery Flood Protection: Ecology blocks will be placed adjacent to the fence line in a partial ring and will act as a levee/dike to divert water from infrastructure to protect hatchery infrastructure from flooding.
3. Floodplain Roughness Habitat Enhancement: Wood placement will occur between the Dungeness River and Hurd Creek to provide floodplain roughness, slow lateral migration of the Dungeness River, and provide habitat enhancement.
4. Riprap Removal, Bank Revegetation, and Scour Deterrent: The riprap bank protection placed as a temporary emergency measure will be removed. Cottonwood logs will be buried lying horizontally and 100 willow/dogwood stakes will be planted adjacent to the Dungeness River to establish vegetation and provide scour protection.

To reduce future risk to infrastructure, WDFW plans to relocate wells 3 and 4 and their supply lines in summer 2017 and relocate Hurd Creek Hatchery infrastructure out of the floodplain within 5–7 years of this proposed project. However, neither relocating wells nor moving hatchery infrastructure is a part of this project.

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. [\[help\]](#)

The project site is in Clallam County and lies west of Hurd Creek Hatchery, located at 955 Fasola Road, Sequim, Washington, 98382. From US Highway 101, take the Sequim AVE Exit and head north through Sequim on S Sequim AVE, which turns into N Sequim AVE, then turns into Sequim-Dungeness Way. Turn left onto Woodcock Road, then turn right on Fasola Road and follow the road to the hatchery. The project site is accessed via a private gravel road on the hatchery grounds and will not be connected to the existing street system.

Legal Description: SW1/4 S1 T30N R4W and SE1/4 S2 T30N R4W  
LAT/LONG: 48.119793, -123.145628

Please see the attached vicinity and site maps for detailed location information.

## **B. ENVIRONMENTAL ELEMENTS** [\[help\]](#)

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

#### **a. General description of the site:** [\[help\]](#)

(circle one): [Flat], rolling, hilly, steep slopes, mountainous, other \_\_\_\_\_

#### **b. What is the steepest slope on the site (approximate percent slope)?** [\[help\]](#)

The scouring/failing banks on the Dungeness River and Hurd Creek are at 1H:1V ~100% - 3/4H:1V ~200% and are 1-3 ft in height depending on whether they are stabilized by vegetation, trees, or riprap.

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

According to the Soil Survey of Clallam County Area, Washington (USDA 1987) and the Web Soil Survey (USDA; accessed 2/3/2017), the soil types are Carlsborg-Dungeness complex (~70%) and Dungeness silt loam (~30%). Carlsborg soils are very deep, somewhat excessively drained soils that formed in coarse textured alluvium. Dungeness soils are deep, well-drained soils formed in alluvium. These soils are on river terraces. Cobbles up to 10 inches were deposited on top of the soils in the project area during Dungeness River flooding events in November 2015 (FEMA DR-4249) and December 2015 (FEMA DR-4253). Since the site has been the location a private hatchery since the early 1950s (Epperson Creek Hatchery) and the site of WDFW's Hurd Creek Hatchery since the early 1970s, there is an undetermined quantity of fill under existing structures and imported crushed rock to create gravel building, driving, and parking surfaces. There will be no net removal of native soils as a result of this project.

#### **d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.** [\[help\]](#)

Soils in the project vicinity are destabilized by the river and creek. Tension cracks develop adjacent to the river as soils are undercut by the river prior to calving into the river. The project aims to retard the rate of lateral migration of the river. Per the Washington Department of Natural Resources Natural

Hazards Mapping Interface, the area is susceptible to liquefaction in the event of an earthquake. There are no other visible indicators of geologic instability.

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. [\[help\]](#)

600 cubic yards of riprap will be removed from the Dungeness River and its eastern bank.

400 cubic yards of riprap will be placed around the hatchery ponds to protect from anticipated scour.

500 cubic yards of fill and native soil will be excavated for the installation of the riprap.

300 cubic yards of fill will cover the riprap for revegetation purposes.

200 cubic yards of fill will be used to increase the freeboard around the round fiberglass ponds.

20-40 cubic yards of logs will be used to increase floodplain complexity and retard erosion.

10-20 yards of stumps will be placed to increase floodplain complexity and retard erosion.

Excess excavated material not used in the project will be spoiled upland.

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. [\[help\]](#)

Yes, Dungeness River bank erosion will occur as a result of WDFW removing the riprap. There will be no trees felled over 6 inches in diameter to complete this work and clearing will be kept to the minimum amount possible. Minor erosion could occur during rainfall events during construction. Construction timing will coincide with annual periods of minimal precipitation. WDFW will seed and straw all disturbed soils and will plant 100 willow/dogwood stakes to minimize erosion after construction.

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

There will be no increase in impervious surface area as a result of this project.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: [\[help\]](#)

Best Management Practices (BMP's) will be employed including using straw and seeding to stabilize disturbed soils. Equipment staging and stockpiling will take place on existing hatchery gravel parking areas to minimize erosion during construction. Fueling will occur more than 100 ft from live water. The intent of the project is to retard and minimize erosion.

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

Vehicle exhaust and dust created by construction equipment is expected; however, no long-term emissions are expected from the completed project.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. [\[help\]](#)

No.

c. Proposed measures to reduce or control emissions or other impacts to air, if any: [\[help\]](#)

Construction equipment will be maintained and inspected to ensure proper function to limit emissions to those typical of the equipment.

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

a. Surface Water:

- 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. [\[help\]](#)

The Dungeness River, Hurd Creek, and wetland associated with Hurd Creek are located within/adjacent to the project site. The Dungeness River is designated as a Type S stream and flows into the Strait of Juan de Fuca. Hurd Creek is designated as a Type F stream and is a tributary to the Dungeness River. The wetland is a Palustrine, Emergent, Persistent, Seasonally Flooded wetland per the National Wetlands Inventory V2 mapper.

- 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. [\[help\]](#)

Yes, riprap placed as an emergency protection measure after 2015 flooding events will be removed from the Dungeness River. Riprap will be removed by 1 excavator (20-25 ton machine) by pinching it between the bucket and thumb. No machinery will enter the water. Logs placed in the river will also be moved onto the adjacent floodplain.

The riprap trench will be placed adjacent to the fence line currently located 10-60 ft east of Hurd Creek and the associated wetland. Existing hatchery infrastructure has been in this location since the early 1950's.

- 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. [\[help\]](#)

600 cubic yards of riprap will be removed from the Dungeness River and its eastern bank. No fill or riprap will be placed in surface water or wetlands.

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

No surface water withdrawals or diversions will be required during construction or as a result of this project. Hurd Creek Hatchery currently utilizes a surface water withdrawal from Hurd Creek, which has an established water right; however, this project does not include alterations to the existing withdrawal.

- 5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [\[help\]](#)

Yes, the project lies within the 100-year floodplain of the Dungeness 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. [\[help\]](#)

No, this project will not discharge waste materials to surface waters.

b. Ground Water:

- 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. [\[help\]](#)

No groundwater will be withdrawn from a well and no water will be discharged to groundwater. Hurd Creek Hatchery utilizes water from five wells located on the property; however, this project does not include alterations to existing wells.

- 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. [\[help\]](#)

No waste material 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. [\[help\]](#)

Storm water will filter through natural ground surfaces and the riprap trench before eventually returning to water bodies located on the project site. No impervious surfaces will be increased or created as a result of this project.



2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)

An equipment malfunction (blown hose) could result in discharge of petroleum products to surface waters during construction (removal of riprap from Dungeness River). A spill kit will be on site for treatment in this unlikely event. No waste materials will enter ground or surface waters as a result of this project. Surface and ground waters will be protected by BMP's.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. [\[help\]](#)

Drainage patterns will be similar to pre-project conditions and no impervious surfaces will be increased or created as a result of this project.

d. Proposed measures to reduce or control surface, ground, and runoff water, and drainage pattern impacts, if any: [\[help\]](#)

BMP's will be used to prevent any waste materials from entering ground or surface waters as a result of this project.

1. Runoff will be contained within excavation disturbance extents due to trenching.
2. Construction equipment will be inspected daily for leaks.
3. Equipment staging and fueling areas will be isolated from surface waters.
4. Seeding and mulch will be applied to disturbed soils after construction completion.

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

a. Check the types of vegetation found on the site: [\[help\]](#)

- 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? [\[help\]](#)

Approx. 6,000 sq. ft/0.1 acres of upland grasses will be disturbed where the trench will be dug to bury the riprap. 10,000 sq. ft/0.25 acres of upland grasses will be impacted by the removal of the riprap in

the river. WDFW will replant this area with seed and straw mulch it as well. An additional 6,000 sq. ft/0.1 acres of upland grasses will be disturbed where the wood and stumps are placed and buried on the floodplain. WDFW will replant this area with seed and straw mulch it as well.

c. List threatened and endangered species known to be on or near the site. [\[help\]](#)

A check of USFWS's Environmental Conservation Online System (<http://ecos.fws.gov/ecp0/reports/species-listed-by-state-report?state=WA>) on February 3, 2017 shows that of 11 listed plant species in Washington, only one (golden paintbrush *Castilleja levisecta*) is known to occur in Clallam County. However, the species fact sheet (USFWS) indicates that populations in Clallam County historically existed and currently do not exist. Additionally, DNR does not include golden paintbrush on their Washington Natural Heritage Rare Plant and Mosses list for Clallam County.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: [\[help\]](#)

A native seed mix shall be applied to the site at 50 lbs. per acre. Willow, Red Alder, and dogwood live stakes shall be harvested from the site and planted on the Dungeness River and Hurd Creek banks. It is not anticipated that any trees will be felled as a result of this work. If shrubs or bushes are impacted in the construction process, they will be replaced with trees such as Douglas Fir, Red Alder, and Western Red Cedar and shrubs such as Nootka Rose and Snowberry, which are prolific on site.

e. List all noxious weeds and invasive species known to be on or near the site. [\[help\]](#)

Scotch broom (*Cytisus scoparius*) and various unidentified grasses and flowering plants typical of disturbed areas along roadsides and developments.

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

Examples include:

birds: hawk, heron, eagle, songbirds, other:  
mammals: deer, bear, elk, beaver, other:  
fish: bass, salmon, trout, herring, shellfish, other \_\_\_\_\_

Birds: Bald Eagle, various songbirds, kingfisher, great blue heron  
Fish: Bull Trout *Salvelinus confluentus* (Threatened), Puget Sound Steelhead *Oncorhynchus mykiss* (Endangered), Puget Sound Chinook Salmon *O. tshawytscha* (Threatened), Hood Canal Summer-run Chum Salmon *O. keta* (Threatened)  
Mammal: raccoon, black tailed deer

b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)

**Dungeness River:**

Bull Trout (Threatened)

Puget Sound Steelhead (Endangered)

Puget Sound Chinook Salmon (Threatened)

Hood Canal Summer-run Chum Salmon (Threatened)

**Hurd Creek:**

Bull Trout (Threatened)

c. Is the site part of a migration route? If so, explain. [\[help\]](#)

Salmon and steelhead migrate through the Dungeness River. Hurd Creek is not used for migration.

d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)

Riprap will be removed from the Dungeness River during low water using a track mounted hydraulic excavator. No construction activities will take place in Hurd Creek or in the wetland. BMP's used during construction would preserve stream functions and include sediment and erosion control measures to prevent negative impacts to the Dungeness River, Hurd Creek, and the wetland.

e. List any invasive animal species known to be on or near the site. [\[help\]](#)

No known invasive species occur at this site.

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

No energy will be used as a result of this project.

b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. [\[help\]](#)

No, this project will not affect the potential use of solar energy by adjacent properties.

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: [\[help\]](#)

This project will not require any energy use; therefore, no conservation features are included in the plans.

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

Any spills would be small and localized during construction of construction equipment fuel or lubricants and spill kits would be available on site. No environmental health hazards are anticipated as a result of the final project.

- 1) Describe any known or possible contamination at the site from present or past uses. [\[help\]](#)

None 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. [\[help\]](#)

No known hazardous chemicals will affect project development and design.

- 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. [\[help\]](#)

No toxic or hazardous chemicals will be stored, used, or produced as a result of this project. Hurd Creek Hatchery stores formalin and other chemicals in a building approximately 350 feet from the nearest portion of the project site but would not be affected by this project, nor would the project affect the stored chemicals.

- 4) Describe special emergency services that might be required. [\[help\]](#)

No special emergency services are anticipated.

- 5) Proposed measures to reduce or control environmental health hazards, if any: [\[help\]](#)

Spill kits will be on site during project construction but no other measures are proposed to reduce or control environmental health hazards.

- b. Noise [\[help\]](#)

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

Sources of noise include those of a natural river environment and noise generated by work activity at Hurd Creek Hatchery. Neither source of noise 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. [\[help\]](#)

Typical construction equipment noise would occur between the hours of 7 am and 5 pm would be limited to the duration of the project. No long-term changed in noise would result from the final project.

- 3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)

Equipment used during construction will be in good operating condition.

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

Current use of the project site is the WDFW Hurd Creek Hatchery. The adjacent property where a portion of the work would occur is currently undeveloped. Adjacent properties are rural residential and agricultural.

- 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? [\[help\]](#)

The project site was a working farm in 1942 and has been the site of a fish hatchery (private and state owned and operated) since the 1950s. No agricultural or forest land will be converted to other uses as a result of this project and the tax status will not change.

- 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: [\[help\]](#)

No. Removal of WDFW's bank protection is expected to have negative impacts on the landowner on the riverbank and downstream of our parcel.

- c. Describe any structures on the site. [\[help\]](#)

Buildings (used as office space, to store tools and materials, to house fish rearing raceways and incubation troughs, and as residence and storage for hatchery personnel)

Concrete/fiberglass ponds (used for rearing fish and pollution abatement)

Wells and their buried supply lines (to supply water to the hatchery)

Screening (intake screen located on Hurd Creek used to divert surface water to supplement well water and outfall screening to prevent fish loss from select ponds)

d. Will any structures be demolished? If so, what? [\[help\]](#)

No structures will be demolished.

e. What is the current zoning classification of the site? [\[help\]](#)

Rural Low (R5)

f. What is the current comprehensive plan designation of the site? [\[help\]](#)

Rural

g. If applicable, what is the current shoreline master program designation of the site? [\[help\]](#)

Shoreline Residential-Conservancy

h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [\[help\]](#)

Yes, both the Dungeness River and Hurd Creek lie within a designated Aquatic Habitat Conservation Area as defined by Clallam County. The hatchery lies 10-60 ft east of Hurd Creek and its associated wetland. The entire project site lies within the 100 year floodplain.

i. Approximately how many people would reside or work in the completed project? [\[help\]](#)

Currently two staff are employed full time at the project site and one staff member lives on site. No changes to the number of people that would work or reside in the completed project would occur.

j. Approximately how many people would the completed project displace? [\[help\]](#)

The completed project would not displace any people.

k. Proposed measures to avoid or reduce displacement impacts, if any: [\[help\]](#)

No measures are proposed to avoid or reduce displacement impacts.

L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [\[help\]](#)

This proposal supports efforts to enhance and restore fish populations in the Dungeness and Elwha watersheds by maintaining function of critical supporting infrastructure used to raise various fish species. Large wood placed in the floodplain will provide some floodplain relief. This project will preserve the rural nature of the land.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: [\[help\]](#)

There are no agricultural or forest lands of long-term commercial significance; therefore, no measures are proposed.

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

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [\[help\]](#)

No housing units would be provided.

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [\[help\]](#)

No units would be eliminated.

c. Proposed measures to reduce or control housing impacts, if any: [\[help\]](#)

No measures are proposed to reduce or control housing impacts.

**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? [\[help\]](#)

No structures would be constructed.

b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)

No views would be altered or obstructed.

b. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)

No measures to reduce or control aesthetic impacts 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? [\[help\]](#)

No light or glare will be produced as a result of this project.

- b. Could light or glare from the finished project be a safety hazard or interfere with views? [\[help\]](#)

No safety hazards are anticipated.

- c. What existing off-site sources of light or glare may affect your proposal? [\[help\]](#)

No existing off-site sources of light or glare are anticipated to affect this proposal.

- d. Proposed measures to reduce or control light and glare impacts, if any: [\[help\]](#)

No measures are proposed to reduce or control light and glare impacts.

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

- a. What designated and informal recreational opportunities are in the immediate vicinity? [\[help\]](#)

Fishing, bird watching, water recreation.

- b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)

No, the proposed project would not displace any existing recreational uses.

- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)

No measures are proposed to reduce or control impacts to recreation.

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

There are no records of any recent cultural surveys, buildings, structures, or sites, located on or near the project area that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers.

- 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. [\[help\]](#)

Although the landscape has been identified as potentially culturally sensitive location by researchers (i.e., Gibbs 1877; Gordon 1889; Haeberlin 1916, 1924; Reagan 1917; Waterman 1921; Smith 1941; Singh 1966; and Schalk 1988 among others, in particularly Dr. Barbara Lane's testimonies), 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.

- 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. [\[help\]](#)

The preliminary project design was reviewed by the WDFW staff archaeologist in consultation with the and by the Jamestown S'Klallam archaeologist (David Brownell, April 1, 2015). 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. Ground disturbing activities at locations along spring outlets and terraces above the active floodplain in the project vicinity may have a moderate to high probability to impact archaeological resources.

Formal tribal consultation will be carried out to identify the potential for impacts to cultural resources and the results of these conversations will be used to inform final project design. Letters will be sent to the Jamestown S'Klallam Tribe, Lower Elwha Klallam Tribe, and Port Gamble S'Klallam Tribe.

- 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. [\[help\]](#)

The preliminary project design was reviewed by WDFW staff archaeologist, who has determined, in conversation with the Jamestown S’Klallam Tribe’s archaeologist, that the general vicinity of the project may be culturally sensitive. If ground disturbing activities are proposed in those locations, the area will be surveyed by a professional archaeologist to clarify the expectations for intact archaeological resources. The results of these investigations will be used to inform final project design.

If culturally significant features are discovered during research, additional 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 WDFW’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 [\[help\]](#)**

- 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. [\[help\]](#)

The project site is accessed via Fasola Road. From US Highway 101 take the Sequim AVE Exit and head north through Sequim on S Sequim AVE, which turns into N Sequim AVE, then turns into Sequim-Dungeness Way. Turn left onto Woodcock Road, then turn right on Fasola Road and follow the road to the hatchery. The project site is accessed via a private gravel road on the hatchery grounds and will not be connected to the existing street system. Depending on temporary construction methods, Ward Road may be used to access the project site.

- 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? [\[help\]](#)

There is no public transit available to access the site.

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [\[help\]](#)

No additional parking spaces would be created or eliminated as a result of this project.

- 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). [\[help\]](#)

No, this proposal will not require any new or improvements to existing roads, streets, pedestrian bicycle or state transportation facilities.

- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [\[help\]](#)

No, the project will not use water, rail, or air transportation.

- 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? [\[help\]](#)

The number of vehicle trips would not change as a result of the completed project. Hatchery Staff travel to and from the project site multiple times daily and would continue to do so.

- 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. [\[help\]](#)

No, the project will not interfere with, affect, or be affected by the movement of agricultural and forest products.

- h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)

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. [\[help\]](#)

No, the project would not result in an increased need for public services.

- b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)

No measures are proposed to reduce or control direct impacts on public services.

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

- a. Circle utilities currently available at the site: [\[help\]](#)  
[electricity], natural gas, [water], [refuse service], [telephone], sanitary sewer, [septic system],  
other \_\_\_\_\_

- 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. [\[help\]](#)

No utilities are proposed for the project.

**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: *Katrina Simmons*

Name of signee Katrina Simmons

Position and Agency/Organization Biologist/WDFW

Date Submitted: May 18, 2017