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]

Ross Point Bulkhead Removal

2. Name of applicant: [help]

Washington Department of Fish & Wildlife

3. Address and phone number of applicant and contact person: [help]

Brittany Gordon, Area Habitat Biologist
450 Port Orchard Blvd, Suite 290
Port Orchard, WA 98366

4. Date checklist prepared: [help]

April 10, 2017

5. Agency requesting checklist: [help]

Washington Department of Fish & Wildlife

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

Construction is planned for summer 2017 or 2018, pending permits and construction funding.

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

There are no plans for future additions, expansions, or activities at this time.

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

Joint Aquatic Resources Permit Application
Hydraulic Project Approval Application
Cultural Resources Review & Inadvertent Discovery Plan

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]

None known

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

U.S. Army Corps of Engineers Nationwide Permit
Washington Department of Fish & Wildlife Hydraulic Project Approval
City of Port Orchard Shoreline Exemption
Washington State Department of Ecology Section 401 Water Quality Certification

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 project is a shoreline restoration project that will remove approximately 84 linear feet of concrete bulkhead (60 feet parallel to shoreline, plus 2 12-ft wingwalls) and dispose of the concrete off-site. An excavator will access the bulkhead from the beach to remove the bulkhead. If the beach under the removed bulkhead is unsuitable for forage fish spawning, this area may be restored with a native sand and gravel mix suitable for forage fish spawning (beach nourishment). Other upland portions of the

property will be cleared of invasive Himalayan blackberry and English ivy and replanted with native shoreline plants. The project may also include education and outreach (such as educational signs) and effectiveness monitoring for forage fish.

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]

Kitsap County tax parcel 272401-4-031-2001
Approximate address: 805-2338 SW Bay Street, Port Orchard, WA 98366
¼ Section: NW; Section: 27; Township: 24-0N; Range: 1-0E
47.539613 N latitude / -122.661318 W longitude

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 steepest slope on the property is the low bank waterfront, which has a vertical drop of about 5 feet down to the beach.

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]

Upland soils are mapped by NRCS web soil survey as Indianola-Kitsap complex, 45 to 70 percent slopes. This soil type is characterized by ashy silt loam in the H1 horizon, silty clay loam in the H2 horizon, and stratified silt to silty clay loam in the H3 horizon. Beach soils are sand and gravel beach substrate. These soils are not classified as prime farmland.

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

The subject property is relatively flat and does not show indications of unstable soils, aside from typical beach erosion expected at waterfront property. The slopes across Bay Street have a history of unstable soils.

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]

Between 50 and 200 cubic yards of concrete and fill material will be excavated associated with the bulkhead removal and disposed of off-site. Up to 60 cubic yards of beach nourishment material

may be placed in the project footprint (on the beach) if material below the bulkhead is not suitable for forage fish spawning. Beach nourishment material will be suitable for forage fish spawning and would be sourced from a local gravel pit.

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

The purpose of the project is to restore natural shoreline processes at the site, including sediment transport and sediment recruitment along the beach and intertidal area. Shoreline erosion is a natural process that would be restored at the site as part of the habitat enhancement. Due to the location of the site in Sinclair Inlet along an area of minimal appreciable drift and relatively low wave energy, rapid shoreline erosion is not expected at the site. Cleared areas will be stabilized using Best Management Practices to prevent construction-related erosion and sedimentation.

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

The project will not add impervious surface and will remove approximately 84 square feet of impervious surface. There are no other impervious surfaces on the site, aside from the site's small parking area along the shoulder of SW Bay Street.

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

Disturbed areas will be planted with native shoreline plant species following construction. Straw and other Best Management Practices will also be used temporarily during and following construction for erosion and sedimentation control. Mats may be placed on the beach during construction to minimize ground disturbance from construction equipment. Beach access will be limited to a single access point.

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]

Dust and exhaust emissions will occur temporarily during construction. Following completion, the project will not result in emissions to the air.

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

None known.

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

None proposed because temporary emissions during construction are anticipated to be minimal.

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 project is located on the marine shoreline of Sinclair Inlet.

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, the project is for removal of a concrete bulkhead that extends approximately 12 feet waterward of the Ordinary High Water Mark of Sinclair Inlet.

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]

Up to 200 cubic yards of fill will be removed from the Sinclair Inlet intertidal zone through removal of the concrete bulkhead and associated fill. This quantity will vary depending on the suitability of the fill behind the bulkhead as a sediment source to the beach. If it is suitable beach material, the material will be left to naturally erode; if the material is not suitable, it will be excavated (up to 200 cubic yards) and hauled off-site.

Up to 60 cubic yards of beach nourishment (native sand and gravel suitable for forage fish spawning) may be placed in the project area following bulkhead removal. If the beach material below the removed bulkhead is not suitable for forage fish spawning, the beach nourishment will be placed in this area to supplement the beach.

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

The project will not require withdrawals or diversions. Work will be conducted when the work area is not inundated by tidal waters.

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

The bulkhead is located within the 100-year floodplain of Sinclair Inlet.

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]

The proposal does not include discharge of 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]

Groundwater will not be withdrawn, and 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. [help]

None.

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]

The project will not generate runoff of any sort.

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

During bulkhead demolition, care will be taken to ensure bulkhead remnants do not enter Sinclair Inlet.

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

The project will not alter drainage patterns in the vicinity of the site.

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

Tarps may be used to prevent concrete shavings from contacting the bed or waters of the state. Work will be conducted when the work area is not inundated by tidal waters.

4. **Plants** [help]

a. Check the types of vegetation found on the site: [help]

_X___deciduous tree: **alder**, maple, aspen, **other**
_X___evergreen tree: **fir**, cedar, pine, other
_X___shrubs
_X___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]

The project will include removal of invasive species (Himalayan blackberry, English ivy, and any

others observed) and re-planting with native shoreline species.

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

None.

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

Invasive species will be removed and replanted with native shoreline plants, such as Nootka rose, snowberry, oceanspray, Douglas-fir, shore pine, willows and others.

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

Himalayan blackberry, English ivy

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: **killdeer, shorebirds**
mammals: **deer**, bear, elk, beaver, other:
fish: bass, **salmon**, **trout**, herring, shellfish, other: **surf smelt; sand lance**

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

Puget Sound Chinook salmon
Puget Sound steelhead

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

The site is within the juvenile and adult migration routes for Puget Sound salmon and trout species. The site is also located within the Pacific flyway for migratory birds.

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

This project is a habitat restoration project that is intended to restore habitat and habitat functions, specifically related to surf smelt and sand lance (forage fish) and salmonids.

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

None 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. [help]

Gasoline and diesel will be used to fuel equipment during construction.

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

The 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]

None proposed.

7. **Environmental Health** [help]

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

Standard spill risks associated with operation of construction equipment exist, but will be minimized using Best Management Practices.

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

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. [help]

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. [help]

Gasoline and/or diesel may be stored on site for construction equipment.

4) Describe special emergency services that might be required. [help]

None required.

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

Best Management Practices will be used during construction to minimize risk of fuel leaks and spills from construction equipment.

b. Noise [help]

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

None known.

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]

Temporary construction noise will be generated during daylight hours for approximately 2 weeks. Equipment that may be used for this project includes: an excavator, dump trucks, concrete saw, jackhammer.

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

The project is not adjacent to any residences and temporary construction noise is not expected to impact surrounding land uses. The project will be conducted during low tides, which are typically during daylight hours in the summer when the project would be conducted. There are no noise-sensitive uses (such as residences) immediately adjacent to the property.

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]

The site is currently used as a recreational water access for beach access and fishing. The adjacent properties are undeveloped shoreline properties.

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]

It is unlikely that the site has been used for agriculture, as it would not be suitable for this use.

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.

c. Describe any structures on the site. [help]

The 60 ft long by 12 ft deep concrete bulkhead is the only structure on site.

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

The 60 ft long by 12 ft deep concrete bulkhead will be demolished.

e. What is the current zoning classification of the site? [help]

Greenbelt

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

Greenbelt

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

Urban Conservancy

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

The Sinclair Inlet shoreline is a critical area, designated by the City of Port Orchard.

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

The project will not create jobs or residences.

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

The project will not result in displacements.

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

None needed.

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

None needed. The project is a habitat restoration project on a state-owned parcel zoned Greenbelt. This is consistent with the zoning and projected land uses.

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

None needed.

9. **Housing** [help]

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

None

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

None

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

None needed.

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 new structures are proposed.

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

The project will not impact views.

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

None needed. The project will improve the natural aesthetic quality of the site by removing a dilapidated concrete bulkhead and by removing invasive Himalayan blackberry and planting native shoreline species.

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]

The project will not produce light or glare.

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

The project will not produce light or glare.

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

None known.

d. Proposed measures to reduce or control light and glare impacts, if any: [help]

None needed.

12. **Recreation** [help]

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

The site is a recreational water access site owned by WDFW. It is a popular spot for surf smelt fishing and beach access.

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

The project will only temporarily displace existing recreational use, as the site will be closed for approximately 2 weeks during construction. The construction season is outside the season of peak usage, which is during surf smelt spawning (typically from autumn through spring). Long term, the project will improve habitat for forage fish at the site, which could improve surf smelt fishing opportunities.

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

The site will be temporarily closed to recreational use (approximately 2 weeks) during construction. Signs will be posted ahead of time to notify the public that the site will be temporarily closed. Since most surf smelt fishing occurs during the winter, this is not expected to cause a major interruption in recreational use of the site.

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 places or objects listed on, or proposed for preservation registers on or next to the site.

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]

A WDFW archaeologist is currently reviewing the project for potential cultural resource issues. Due to known historical use of the Sinclair Inlet shoreline by the Suquamish Tribe, an Inadvertent Discovery Plan may be implemented during construction.

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]

Consultation with Department of Archaeology & Historic Preservation WISAARD database; consultation with Suquamish Tribe; use of GIS data, historic maps, and surveys.

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]

If the Suquamish Tribe (or another entity) expresses cultural resource concerns with the project, an Inadvertent Discovery Plan will be implemented during construction.

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 site is served by SW Bay Street. Construction vehicles will access the site temporarily via SW Bay Street.

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]

The site is not served by public transit. It is approximately 1.3 miles to the nearest transit stop.

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

The project will not add parking. The project will not permanently eliminate parking. During construction, the small parking area at the site will be temporarily closed (for approximately 2 days).

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]

The project will not require new roads or streets or improvements to existing roads or streets.

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

The project will not use or impact 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]

It is anticipated that the project will generate approximately 4 to 5 construction-related trips per day (primarily dump trucks), as well as 2 to 3 commuter vehicle trips per day during construction. The majority of trips would be generated during daylight hours (between 7 AM and 5 PM) and would be evenly spaced throughout the day. All generated trips are concurrent with project construction, which is anticipated to last approximately 2 weeks during the summer of 2017 or 2018. No indirect trip or long-term trip generation is expected as a result of this project.

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.

h. Proposed measures to reduce or control transportation impacts, if any: [help]

Parking will be temporarily closed at the site (approximately 2 weeks) for the construction. Signs will be posted ahead of time to notify the public that the site will be temporarily closed.

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]

The project will not result in an increased need for public services.

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

None needed.

16. **Utilities** [help]

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

other _____

The site is not known to have any utilities available.

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.

C. Signature [help]

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

Signature: 

Name of signee: Brittany N. Gordon

Position and Agency/Organization: Habitat Biologist/ Washington Department of Fish & Wildlife

Date Submitted: 10 April, 2017