

SEPA ENVIRONMENTAL CHECKLIST

Purpose of checklist:

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

Instructions for applicants:

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

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

Instructions for Lead Agencies:

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

Use of checklist for nonproject proposals:

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

A. Background

1. Name of proposed project, if applicable: **McNeil Island Shoreline Restoration Project**
2. Name of applicant: **Washington Department of Fish and Wildlife (WDFW)**
3. Address and phone number of applicant and contact person:
Doris Small, Habitat Restoration Coordinator
Habitat Program, Washington Department of Fish and Wildlife
P. O. Box 43200
Olympia, Washington 98504-3200
360-902-2258
doris.small@dfw.wa.gov
4. Date checklist prepared: **May 30, 2018**
5. Agency requesting checklist: **Washington Department of Fish and Wildlife**
6. Proposed timing or schedule (including phasing, if applicable):

Work will be scheduled as authorized to complete per the regulated in-water work window and as funding is available. We anticipate several phases to complete the overall project. This SEPA checklist addresses Phase 1 only. Additional information for future project actions is included for context, but will be addressed by a separate SEPA review for the estuarine restoration projects under development as project plans develop beyond concept.

Phase 1: 2018 Shoreline Debris Removal, including Barge Landing restoration project

Phase 2 - 3: 2019-21 Estuary restoration and additional shoreline debris removal (future SEPA review).

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

The McNeil Island Habitat Restoration Project Feasibility Report dated July 2015 lists four potential habitat restoration opportunities on McNeil Island, along with shoreline debris removal work. This SEPA addresses implementation of these restoration opportunities, although the shoreline debris removal piling removal is addressed under a separate SEPA review. The projects include:

- **Barge Landing shoreline restoration**
- **McNeil Island shoreline debris removal**
- **Milewa Creek estuary restoration**
- **Bodley/Bradley estuary restoration**
- **Floyds Cove estuary restoration**

The Barge Landing shoreline restoration project is included in this checklist and is proposed for construction in summer/fall 2018. Washington State Department of Natural Resources (DNR), in partnership with WDFW, is also proposing to remove shoreline debris and piles around the island in 2018. This effort is not included in this SEPA because the piling removal was issued a

determination of non-significance by DNR under SEPA No. 06-071003. The debris removal is exempt from SEPA under WAC 197-11-800 (12) per review by DNR SEPA program.

The three potential estuary restoration projects at Milewa Creek estuary, Bodley (Bradley) Creek estuary, and Floyds Cove are large complex estuary projects. These projects are briefly described in this checklist for context, but will be reviewed in a future SEPA checklist following additional stakeholder and design work. Additional information and conceptual design plans are available in the feasibility report (see below) for the future estuary projects.

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

McNeil Island Habitat Restoration Project Feasibility Report, Washington State Department of Fish and Wildlife, July 2015

2010-2015 Juvenile Fish Ecology in the Nisqually River Delta and Nisqually Reach Aquatic Reserve, Washington Department of Natural Resources, 2017

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.

No

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

**Hydraulic Project Approval, Washington State Department of Fish and Wildlife
Shoreline Permit, Pierce County
Nationwide Permit 27 Aquatic Habitat Restoration, Establishment, and Enhancement Activities,
US Army Corps of Engineers
401 Water Quality Certification, WA Department of Ecology
Section 106 Review, WA Department of Archaeological and Historic Preservation**

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

The Washington Department of Fish and Wildlife (WDFW) in partnership with the Washington Department of Natural Resources (DNR) and Department of Corrections (DOC) is proposing to restore the natural shoreline of McNeil Island through several projects to remove debris and restore estuarine habitat. This project will take place in phases over the next five years. This checklist describes the projects for early construction (Barge Landing and shoreline debris removal) and briefly describe conceptual plans for estuarine restoration projects at Milewa Creek, Bodley/Bradley Creek and Floyds Cove. The estuarine restoration projects will need further development to identify impacts and proposed methods to avoid impacts. A separate SEPA checklist will be prepared to address the three estuarine restoration projects as the plans develop over the next 1-3 years.

Background and setting:

McNeil Island is located in South Puget Sound Southwest of Tacoma within Pierce County, approximately 7 miles SW of Tacoma and 15 miles NE of Olympia. The island covers over 4400 acres, with approximately 12 miles of shoreline. The tidelands are managed by DNR, WDFW manages approximately 70% of the island for wildlife protection, and the remaining areas are managed by DOC for penitentiary operations.

A large percentage of McNeil Island's shoreline is undisturbed allowing for bluff-backed beaches, depositional beaches, spits, lagoons, and salt marshes. These well-preserved shorelines provide quality habitat for a wide variety of wildlife. McNeil Island is within the South Puget Sound Wildlife Area and managed by WDFW for conservation of natural resources. DNR included the southern portion of the island's shoreline within the Nisqually Reach Aquatic Reserve with the purpose to protect and restore the function of natural processes of nearshore ecosystems. The island is closed to public access due to the penitentiary operations thereby providing a natural protection for wildlife resources.

Land use modifications on McNeil Island are associated with the penitentiary operation and include the facility itself, the "perimeter road" around the island shoreline, Butterworth dam and reservoir, approximately 50 houses for staff, and facilities for ferry operations (BERK 2012). The perimeter road, identified on maps as the "Coastal Road", is a gravel paved road that provides visual access to the shoreline for security purposes along much of the road, as well as transportation needs (Eric Heinitz, DOC, personal communication). The residences have been boarded up and utilities disconnected since the penitentiary closed.

Past land use along the shoreline have led to some locations along the shoreline that are heavily impacted by shoreline debris. This project proposal focuses removal of debris at sites around the island that can be restored with no or minimal impacts to infrastructure, no need for replacement bank protection, and minimal cost for a high environmental benefit. Restoring these sites will allow for continuous well-preserved shorelines with intact processes that will improve habitat areas to provide refuge, feeding, and nursery areas for juvenile salmonids, forage fish, and other marine species.

Proposed Project: WDFW and DNR propose to complete two nearterm projects to remove shoreline debris. Additional shoreline debris removal projects may also be developed in the future after further review of potential impacts to infrastructure.

Barge Landing Shoreline Restoration Site (2018 construction) - Plans are attached to this checklist. Elements include:

- ***Remove and recycle approximately 14 voided slab concrete bridge sections that measure 4'x1'x21'.***
- ***Remove and recycle approximately 61 ecology blocks that measure 2'x2'x6'.***
- ***Remove and recycle 1 concrete slab that measures 20'x0.3'x63'.***
- ***Remove and dispose of a creosote-treated bulkhead made up of approximately 54 piles with a diameter between 12"-18".***
- ***Remove and dispose of approximately 10,000 lbs. of creosote-treated debris from the shoreline***
- ***Remove and dispose of cables from 6 tree root wads***
- ***Remove and recycle approximately 6 concrete boat launch slabs that measure 4'x0.33'x20'.***
- ***Remove and recycle of approximately 350 cubic yards of nonnative crushed basalt gravel above MHHW.***

- *Remove and recycle of approximately 125 cubic yards of nonnative crushed basalt gravel below MHHW.*
- *Remove and recycle of approximately 1,200 square feet of gravel driveway.*
- *Regrade shoreline to correct contours and elevation to encourage forage fish habitat.*

Shoreline Debris Removal (2018):

- *Remove shoreline debris from 10-12 sites from around McNeil Island*
- *Plans and photographs of debris are attached to this checklist*
- *The piling removal has been addressed in a separate SEPA document. Shoreline debris removal is categorically exempt.*

Future projects: These projects will be reviewed in a future SEPA checklist as the projects develop to full proposals. Elements of the conceptual design are briefly described below. Conceptual design for partial and full restoration are available in the feasibility report.

Milewa Creek Estuary Restoration Site (2019-21):

- *Removal of the road and culverts that bisect the estuary*
- *Relocation of the perimeter road including a bridge and connecting roadway*
- *Removal of the concrete groin extending into the intertidal*
- *Restoration of the estuarine habitat, including grading to natural elevations at the existing road crossing*

Bodley/Bradley Creek Estuary and Floyds Cove (2020-23):

- *Additional coordination with stakeholders is necessary before proceeding on further design work*
- *Project plans may include road relocation or culvert/bridge replacement, as well as restoring tidal influence and habitat connectivity.*

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.

The proposed project is occurring at several locations around the shoreline of McNeil Island. McNeil Island is located in South Puget Sound within Pierce County. A project map is attached to this checklist to identify the location of Barge Landing, the shoreline debris removal sites, Milewa Creek estuary, Bodley/Bradley estuary and Floyds Cove. Access to the island is restricted, but can be arranged with the project applicant for permit review staff.

The Barge Landing site is located on the southwest side of the island facing Balch Passage at latitude 47.192 longitude -122.683 (coordinates: decimal degrees; Datum NAD83) in Section 28, Township 20N, Range 1E.

Shoreline debris removal sites are identified in the attached plan set.

B. Environmental Elements

1. **Earth**

a. General description of the site:

(circle one): Flat, rolling, hilly, steep slopes, mountainous, **other** **Puget Sound tidelands**

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

Vertical bluffs are present at McNeil Island in some locations, particularly associated with shoreline debris removal.

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.

Sand, gravel, and rock

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

Some of the shoreline debris removal sites are adjacent to feeder bluffs. The proposed projects do not include excavation into the shoreline bluffs.

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

The predominant activity for the shoreline restoration projects will be debris and fill removal. At the Barge Landing site, approximately 0.33 acres of shoreline will be excavated and re-graded in order to remove the manmade materials from the shoreline. If the removal of non-native materials (e.g. crushed gravel and quarry spalls) results in a depression in the beach profile, new beach material will be added to match the profile of the adjacent undisturbed shoreline. Re-grading of the shoreline at the Barge Landing site will help promote forage fish habitat.

Most of the shoreline debris at the other 10 sites is on the surface of the beach. However, a small amount of temporary excavation may be needed to remove semi-buried debris (e.g. large concrete pieces). Re-grading to return to a natural beach profile will restore the beach. If the debris is highly embedded, it will be removed to the greatest extent possible without high disturbance of the beach area. Some debris may be too embedded to fully remove.

The estuary project designs are under development and will be reviewed in a future SEPA checklist as details are available.

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

These activities have the potential to cause minor and temporary erosion.

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

The shoreline debris removal projects will not create any impervious surfaces. The purpose of the project is to remove debris to restore the sites.

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

Sediment, erosion, and pollution prevention control measures will be implemented to minimize the potential for erosion. Best Management Practices (BMPs) Work will occur during low tides to minimize turbidity.

2. Air

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

There will be a temporary and localized increase in emissions from construction equipment used for the project, but effects or impacts of these emissions are expected to be minimal and temporary.

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

There are no off-site sources of emission or odor that will affect the proposed project.

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

All equipment used at the site will meet state of Washington emission requirements.

3. Water

- 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.

The project is occurring along the shores of Puget Sound on McNeil Island. The three southern sites are within Balch Passage, one northern site is located in Pitt Passage, and two eastern sites are located at the entrance of Carr 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.

Yes, work will occur within and adjacent to Puget Sound.

Barge Landing: All work will take place within 200 feet of Puget Sound. Upland Work will occur by land access of equipment and work at low tide will minimize potential impacts to marine waters. Plans are attached.

Shoreline debris removal: A barge will access the shoreline and equipment will be offloaded onto shore with excavators, loaders, and dump trucks. Work will occur during the lowest tide feasible so that removal efforts occur without being inundated with water. Plans are attached.

- 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.

For the Barge Landing and Shoreline Debris Removal project, we will be excavating man-made rock and debris from the tidelands. We do not expect to import fill, as most of the material is on the beach surface. However, if after removal of quarry spalls and crushed rock at Barge Landing the beach needs additional material to restore the beach profile, we will import of sediment suitable for upper beach will be added to restore the beach. The mixture would match the natural beach composition (sand, small gravels) with minimal quantities to restore beach profile. We estimate no more than 50cy of material, if needed at all.

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

The proposed project will not require surface water withdrawals or diversion.

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

The project is located on tidelands within the Puget Sound.

- 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 waste materials will be discharged 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.

No groundwater will be withdrawn and no water will 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.

Does not apply

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.

No water runoff will be generated as part of this project.

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

No

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

No

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

For the Barge Landing project, the work will take place at low tide and use erosion control measures. For the Shoreline Debris Removal project, the Spill Prevention, Control and Countermeasures (SPCC) will outline measures to be taken to prevent release or spread of discharged materials including those the contractor may store, use, or generate during construction activities. These items include, but are not limited to gasoline, oils, and other chemicals. Any debris that is associated with the project will be picked up and placed in containers and disposed or recycled of appropriately.

4. Plants

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

X deciduous tree: alder, maple, aspen, other

X evergreen tree: fir, cedar, pine, other

X shrubs: snowberry, Nootka rose

_ grass

_ pasture

_ crop or grain

_ Orchards, vineyards or other permanent crops.

_ wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other

X water plants: water lily, **eelgrass**, milfoil, other, **kelp**

X other types of vegetation: **pickleweed**, **saltgrass**

b. What kind and amount of vegetation will be removed or altered?

Pickleweed is growing in the non-native materials at the Barge Landing Site. This vegetation will be removed with the non-native gravels and asphalt to allow the beach to be restored to its original elevation. No other vegetation will be removed or altered with the Barge Landing or shoreline debris removal projects.

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

No threatened or endangered plant species are known to occur on the project sites.

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

The Barge Landing and shoreline debris removal projects will take place on tidelands and be able to avoid disturbance of vegetation.

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

Himalayan blackberry

5. Animals

- 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.

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

mammals: **deer**, bear, elk, **beaver**,

other: **harbor seal, river otter, deer, raccoon, coyote, muskrat, red fox, mink.**

fish: bass, **salmon**, trout, herring, **shellfish, forage fish**

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

The National Marine Fisheries Service listed the Puget Sound Chinook salmon as Threatened in March 1999 under the Endangered Species Act (ESA). Puget Sound Steelhead were listed as Threatened under ESA in May of 2007. While not documented at McNeil Island in beach seining work, Bull Trout may be present in the nearshore. Coastal Puget Sound Bull Trout were listed as Threatened under ESA in 1999.

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

This site is part of the Pacific Flyway, a major north-south seasonal migration route for many bird species. This site is also a migratory and rearing corridor for Puget Sound Chinook and Steelhead salmon.

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

The primary purpose of this project is to restore habitat for migrating salmon, forage fish, and other important marine species. During construction, Best Management Practices will be in place to reduce disturbances to wildlife. Construction timing will take place as authorized by the State Department of Fish and Wildlife to ensure maximum protection of vulnerable species.

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

None known

6. Energy and Natural Resources

- 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.

Not applicable

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

No

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

Not applicable

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 as a result of this proposal?
If so, describe.

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

None known. We will be removing creosote materials from the tidelands/beach. These materials will be disposed of in an approved location for creosote-treated materials.

- 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.

The equipment used for the project will be fueled by gasoline.

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

No special emergency services will be needed for this project.

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

Best Management Practices will be in place during the construction to prevent environmental health hazards. The contractor for the shoreline debris removal project (which includes creosote treated piling removal) will be required to have a Spill Prevention, Control and Countermeasures Plan in place and take steps to prevent exposure to the chemicals and other environmental health hazards while working on the site.

b. Noise

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

Does not apply

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.

Temporary noise will occur from the equipment used to construct the project. This equipment includes trucks, barges, cranes, saws, excavators, vibratory pile hammer, and other equipment. This noise is short term and will only occur during the construction of the project during the working hours of 7am-10pm.

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

None proposed: noise will only occur during the construction and will be temporary.

8. Land and Shoreline Use

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.

The Barge Landing and shoreline debris removal project sites are currently made up of derelict debris that has been abandoned on the islands shoreline. No activities are occurring at the project sites. Adjacent properties and site uses include wildlife management by Department of Fish and Wildlife, operations of the Special Commitment Center by Department of Social Health and Services, and occasional use of some structures and parcels by Department of Corrections.

The proposal will not affect the adjacent properties. The proposal will improve the habitat features once the derelict debris has been removed and the shoreline is restored.

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?

Does not apply

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:

Does not apply

c. Describe any structures on the site.

The Barge Landing and shoreline debris removal sites have abandoned debris that will be removed as described in section A.11. There are no structures on the site.

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

No structures to be demolished on the sites. All of the debris will be removed from the site and disposed of or recycled as appropriate.

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

Rural Forty (R40)

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

Rural Forty (R40)

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

Natural and Conservancy

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

The tidelands and estuarine habitat may be designated as critical areas.

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

No people would reside or work in the completed project site.

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

No people would be displaced due to this project.

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

Does not apply

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

This proposal will restore the shoreline so that it ensures it falls within the existing land use designation of natural and conservancy lands.

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

Does not apply

9. Housing

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

Not applicable

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

Not applicable

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

Not applicable

10. Aesthetics

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

Not applicable

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

None

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

Not applicable

11. Light and Glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

Construction/demolition will be short term and occur during daylight hours, but is not expected to affect ambient light or produce glare.

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

No

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

None

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

None

12. Recreation

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

None. Public access to McNeil Island is prohibited in both the correctional and wildlife conservation deeds. The restriction is based on preservation of habitat and public safety.

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

No

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

Not applicable

13. Historic and cultural preservation

- 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.

We are working with our archeologists to review project details. The Barge Landing site and shoreline debris removal sites have been reviewed by WDFW and WDNR archeologists. No structures are on site, but there are housing structures in the general vicinity that may be eligible for listing.

- 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.

We are working with our archeologists to review project details. The Barge Landing site and shoreline debris removal sites have been reviewed by WDFW and WDNR archeologists. A cultural resource study was completed for McNeil Island with preliminary identification of sensitive sites. If needed, additional studies will be completed for these sites.

- 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.

**DNR 05-05 review (site visit, review of historical maps, GIS data);
Consultation with State Department of Archaeology and Historic Preservation (DAH);
Consultation with tribes**

- 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.

We expect to continue consultation with DAHP and local tribes, and to complete any additional review required.

14. Transportation

- 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.

None

- 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?

No

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

Not applicable

- 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).

No

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

The project will use barges for transportation of equipment, personnel and materials. The Barge Landing work will use the McNeil Island vehicle barge, while the shoreline debris removal project will use a commercial barge.

- 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?

None

- 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.

Not applicable

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

Not applicable

15. Public Services

- 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.

Not applicable

16. Utilities

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


No utilities are available

- 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.

Not applicable

C. Signature

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 Doris Small
Position and Agency/Organization Habitat Restoration Coordinator
Washington Department of Fish & Wildlife

Date Submitted: 5/30/2018