SEPA ENVIRONMENTAL CHECKLIST

JUNE 2015

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: **Hansville (Logan) Bulkhead Removal and Restoration**

2. Name of applicant: **Department of Fish and Wildlife**

3. Address and phone number of applicant and contact person: **Chris Gourley, WDFW 600 Capitol Way N, Olympia WA 98532 (360)902-8300**

4. Date checklist prepared: **12/08/2015**

5. Agency requesting checklist: **WDFW**

6. Proposed timing or schedule (including phasing, if applicable): **Summer 2016**

7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. **No**

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

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. **ACOE Permit, Kitsap County Shorelines Exemption, Grading Permit, HPA, DNR Aquatics Right of Entry Permit**

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.) **WDFW Seeks to remove 125 lineal feet of rock bulkhead from a waterfront property in the Shorewoods Development. The Property is approximately 125' x 90'. The project will consist of removing the rip rap bulkhead and fill behind the bulkhead, grade the beach to match updrift and downdrift conditions, add logs and beach spawning mix (sand and pea gravel). The upland will be cleared of blackberry and planted with native shrubs. Removal of an unused septic tank will also be included.**

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.
Closest address is 4968 NE Hood Canal PL, Hansville WA 98340. Located in the SW of the SW of Section 20, T28N R02E. Vicinity map is included with the permit drawings. Parcel # 1568294

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] **2%**

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] **Soils consist of glacial drift and alluvial outwash, along with imported fill. Soils are sandy cobble typical of beach front. Imported fill will be removed as part of the restoration effort. Native beach sands will remain.**

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. [help] **No**

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] **Approximately 700 CY of fill material and 150 cy of rip rap will be excated and removed from the site. Up to 200 cy of beach material, 100 cy of topsoil and mulch, and 6-8 logs will be added to the site.**

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. **Yes, during construction freshly excavated ground will be exposed. Minor erosion could result from wind, rain, or wave action.**

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? [help] **0%**

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: **Construction stormwater controls will be in place prior to construction. The use of silt fence, straw wattles, plastic covered stockpiles, straw bales, straw, and mulch will be implemented throughout the project to protect against 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] **Only minor exhaust from heavy equipment during construction only**

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] **Use of properly maintained equipment will help reduce emissions.**

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]
Yes, this site is immediately adjacent to the Hood Canal, Puget Sound

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]
Work will occur immediately adjacent to the water. The lowest excavation will be at 10 tidal elevation, Mean Higher high water is at 11.8

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]
Approximatley 150 CY of fill and rip rap will be removed from below Mean Higher High Water, no fill will be added.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [help]
No

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

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

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

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]

During construction, stormwater will be captured through the use of silt fence and straw wattle. The stormwater will be infiltrated in the the sandy soils. Exposed soils will be planted and mulched at the end of the project to prevent future runoff.

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

It is possible that runoff from freshly expsosed soils or newly installed beach habitat gravel mix may enter the water at the highest tides.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. [help] **None**

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

Gravels will be specified to match existing beach conditions, construction will be completed during the drier summer months, and erosion control materials will be installed until the exposed soils are mulched and planted.

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
__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]

Blackberry will be removed from the site and replaced with native shrubs.

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

There is a Bald Eagle nest approximately ½ mile away.

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

All upland portions of the property will be planted with native shrubs.

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

None known

5. **Animals** [help]

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. [help]

Examples include:

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

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

None Known

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

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

Removal of the bulkhead is solely for the purpose of enhancing forage fish habitat

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

Some noxious weeds have been found nearby, including Himalayan blackberries.

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]

None

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

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: [help]
None

7. **Environmental Health** [help]

a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe. [help]
No

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]
Fuel and hydraulic fluid from heavy equipment will be in the vicinity of the project.

4) Describe special emergency services that might be required. [help]
None

5) Proposed measures to reduce or control environmental health hazards, if any: [help]
Machinery will be properly maintained. Refueling and maintenance activities will occur away from the water on the road surface, spill kits and an emergency communication plan will be kept on site.

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

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)? Indi-
cate what hours noise would come from the site. [help]
Minor construction noises for the short term construction period only

3) Proposed measures to reduce or control noise impacts, if any: [help]
Properly maintained equipment with mufflers

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 current use of the site is residential, adjacent properties are open space and residential. Remvoal of the bulkhead will not affect neighboring 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]
No

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how: [help]
No

c. Describe any structures on the site. [help]
One unsued septic tank is on the property. There is no residence on the property and it has never been hooked up. It will be removed

d. Will any structures be demolished? If so, what? [help]
The rip rap bulkhead will be removed

e. What is the current zoning classification of the site? [help]
1DU/5Ac

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

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

h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [help]
Bald Eagle Buffer Zone, Priority 2; Potential Wetlands

i. Approximately how many people would reside or work in the completed project? [help]
None

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

None

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

None

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

Site will be restored to a more natural condition. No development will take place consistent with open space.

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

This project will not impact or prevent agriculture or forest land.

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

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. Only medium height shrubs

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

None Views of the water from the neighbors would be maintained

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

Aesthetics would be improved by the removal of the blackberry and construction of a beach with logs, native shrubs and little rip rap would imprive aestheitics.

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] **None**

b. Could light or glare from the finished project be a safety hazard or interfere with views? [help]
No

c. What existing off-site sources of light or glare may affect your proposal? [help]
None

d. Proposed measures to reduce or control light and glare impacts, if any: [help]
None

12. **Recreation** [help]

a. What designated and informal recreational opportunities are in the immediate vicinity? [help]
Some people currently access the beach from the county road, the parcel being restored was pirvate property and did not offer recreational access.

b. Would the proposed project displace any existing recreational uses? If so, describe. [help]
No, access to the beach from the county road would remain and be unimpacted.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [help]
As this site is designated for habitat restoration, it would neither add or detract from recreational opportunites.

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 located on or near the site? If so, specifically describe. [help] No

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] **There is no evidence, however the site will be evaluated by a WDFW archaeologist and consultation with affected tribes will take place through the EO 05-05.**

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]**

Much of the site is covered with imported fill and previously disturbed. However, as part of the consultation and evaluation process the WDFW archaeologist in partnership with DAHP and the tribes will complete an archaeological evaluation and monitoring plan.

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]

An inadvertent discovery plan will be created prior to construction. Staff involved in the project have been trained in understanding cultural resources.

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]

Site is accessed by NE Hood Canal Drive, a county road.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop? [help]

Not Accessed

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

None

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

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

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]

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. [help]

No

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

None

15. **Public Services** [help]

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. [help]

No

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

None

16. **Utilities** [help]

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

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. [help] **None**

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 signer _____

Position and Agency/Organization ____Fish and Wildlife Biologist, WDFW

Date Submitted: ___12/08/15_____

D. supplemental sheet for nonproject actions [help]

(**IT IS NOT NECESSARY** to use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise?

Proposed measures to avoid or reduce such increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life?

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources?

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands?

Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities?

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment.