

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: [\[help\]](#)
John's River Wildlife Area Water Control Structure Repair Project
2. Name of applicant: [\[help\]](#)
Washington Department of Fish and Wildlife

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

Contact: Brian Calkins
48 Devonshire Road
Montesano, WA 98563
Phone: (360) 249-1222

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

May 2, 2019

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

Washington Department of Fish and Wildlife

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

August 2019. Construction would occur during a 1 to 2-week work window.

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

No

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

- Engineer Design, Ducks Unlimited, Inc., 2019

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. [\[help\]](#)

WDFW is not aware of other proposals that may directly affect the Wildlife Area.

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

[\[help\]](#)

USACE Section 404 (non-notifying Nationwide Permit [NWP] 3 - Maintenance), WDOE Water Quality Certification (non-notifying NWP 3), Hydraulic Project Approval, and Grays Harbor County permits (to be determined).

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 would replace or repair two existing water control structures at the John's River Unit of the John's River Wildlife Area. Specifically, the project would replace a damaged water control structure (i.e., Water Control Structure [WCS] 1) on an interior drainage with a new half-round riser and four-foot "stub", which would be connected to the existing culvert imbedded in the associated berm. The project would also repair a cracked pipeline adjacent to John's River (i.e., WCS 2) by installing a slipline pipe into the existing pipeline, and sealing the gap between the new and existing pipeline to reduce leakage. Work areas would be limited to about 100 square feet around WCS 1, and the interior length of the existing pipeline associated with WCS 2 (about 165 square feet).

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and section, township, and

range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist. [\[help\]](#)

The project would be located on the John's River Unit of the John's River Wildlife Area, which is about 12 miles southwest of Aberdeen, Washington, along the John's River in Grays Harbor County. The project area is located in Section 1, Township 16N, Range 11W of the Hoquiam, Washington 7.5-minute USGS Quadrangle. The engineer plan set includes both project vicinity and project area maps.

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

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

a. General description of the site:

(circle one): **Flat**, rolling, hilly, steep slopes, mountainous, other _____

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

1-2 percent

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 in the project area are predominantly (99%) Ocosta silty clay loam. This soil type is considered prime farmland if drained. The project would not remove any soils from the site.

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. [\[help\]](#)

- WCS 1 – WCS 1 consists of a half-round riser and culvert imbedded in an existing berm, located on an internal drainage that runs north to the tide gate associated with WCS 2. The existing structure is leaking, likely due to a seal that has come undone on the inlet (southern) side of the structure. The project would remove the existing half-round riser and replace it with a new half-round riser and “stub” (i.e., the pipe that connects the riser to the culvert). Headwalls would be installed on either side of the new structure to stabilize it and improve maintenance and access opportunities. Up to 10 CY of soil would be excavated and backfilled around the reinstalled structure. Disturbance would affect up to 100 square feet and would be temporary.
- WCS 2 – Water discharges to the John's River from a pipeline and tidegate at the northeast corner of the Wildlife Area. The existing pipeline is leaking from a series of cracks and holes that are not readily accessible for repair (i.e., located under the riprap on the levee at the outlet). The project would install a slipline pipe inside the existing pipeline to repair the leaks. The slipline would be installed by floating it to the outlet on a barge, and pulling it through to the inlet using a cable and excavator staged in the Wildlife Area. Concrete slurry would be injected between the existing and new pipelines to seal the new pipe. The ends of the pipeline would be sealed with grout before the concrete slurry is injected to trap the slurry in the space

between the new and existing pipelines. Project activities would only impact the interior length of the pipe (55 linear feet, 165 square feet); no in-water work is required or proposed.

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

[\[help\]](#)

Unlikely. Ground disturbance would be limited to about 100 square feet around WCS 1. All areas temporarily disturbed to install the new structure would be backfilled and compacted after construction is complete, and protected with BMPs to reduce sediment mobility, as needed.

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

No new impervious surfaces would be installed.

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

Standard construction BMPs would be implemented to reduce / control erosion, such as working in the dry and staging construction materials that may leak petroleum products, fuel, lubricants, or other hazardous materials in designated upland areas, away from waterbodies or runoff areas and sensitive natural communities.

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. [\[help\]](#)

Air emissions would be limited to heavy equipment and worker vehicle trips during an approximate 1-2 week construction window. The quantities of emissions are not known. No operational emissions would occur, and maintenance-related emissions would be limited to periodic site inspections by WDFW staff (which would be minimal).

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

All heavy equipment would be outfitted with appropriate emission control measures, and would not be allowed to idle for extended periods of time.

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. [\[help\]](#)

An unnamed drainage flows north-south at WCS 1. The John's River is located north and west of WCS 2. The John's River flows north and west to Gray's Harbor and the Pacific Ocean.

- 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. Replacement of WCS 1 would require work within the unnamed drainage. Repair of WCS 2 would require staging via barge (i.e., delivery of the slipline) from the John's River.

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 10 CY of soil would be excavated and backfilled at the site where WCS 1 would be replaced. This work would impact up to 100 square feet of the bed and bank of the associated drainage.

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. [\[help\]](#)
The project would not require surface water withdrawals or diversions.

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

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 project does not involve any 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. [\[help\]](#)
No groundwater would be withdrawn under the project.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. [\[help\]](#)
No waste material would be discharged into the ground under the project.

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. [\[help\]](#)
Water flows on site are tidally influenced and drain towards the John's River. The project would not generate additional stormwater runoff, or affect how runoff is conveyed through the project area.

2) Could waste materials enter ground or surface waters? If so, generally describe. [\[help\]](#)
Infrastructure removed from the project area (i.e., damaged water control structure) would be disposed of at an offsite location. No other waste materials would be generated by the project or are otherwise known to the project area.

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

The project would not alter drainage patterns on site, but would provide WDFW the ability to better control water levels (i.e., drainage) at both WCS 1 and WCS 2.

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

Please refer to discussion provided above at (B)(1)(e).

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

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

deciduous tree: alder, maple, aspen, other

evergreen tree: fir, cedar, pine, other

shrubs

grass

pasture

crop or grain

Orchards, vineyards or other permanent crops.

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

water plants: water lily, eelgrass, milfoil, other

other types of vegetation

b. What kind and amount of vegetation will be removed or altered? [\[help\]](#)

Vegetation within the 100 square foot disturbance area at WCS 1 – primarily weedy herbaceous vegetation and reed canary grass – would be removed to install the new structure. Erosion control measures would be installed after construction is complete to stabilize the area until vegetation can reestablish.

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

No state or federally-listed plant species are known to the project area.

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

Vegetation would only be removed from the designated work area at WCS 1, which is limited to 100 square feet.

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

Reed canary grass.

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 _____

The John's River Wildlife Area provides habitat for a variety of wildlife species. The most common mammals are Roosevelt elk, black-tailed deer, black bear, coyote, bobcat, muskrat, and beaver. Bird species include waterfowl (primarily ducks and geese), shorebirds, and a variety of other small birds species, such as hummingbirds, robins, warblers, goldfinches, swallows, and snipe. John's Rivers supports a variety of native fish species, including whitefish, trout, and salmon.

- b. List any threatened and endangered species known to be on or near the site. [\[help\]](#)
Federally-listed species that may occur on or near the Wildlife Area include marbled murrelet, short-tailed albatross, and bull trout.
- c. Is the site part of a migration route? If so, explain. [\[help\]](#)
Yes. The Wildlife Area supports various species of migrating waterfowl, and John's River provides migration habitat for salmonids and other fish species.
- d. Proposed measures to preserve or enhance wildlife, if any: [\[help\]](#)
- The project is designed to improve wetland habitats for waterfowl and other wildlife by providing the ability to create conditions that promote native plant communities.
 - Construction, staging and access areas will be limited to designated areas, including existing roads and berms, to minimize the potential for injury to less mobile terrestrial wildlife species.
 - Construction activities, including vegetation removal, will be limited to the period outside the typical breeding season for most bird species (i.e., April to July).
 - Adverse effects on water quality, which may affect fish utilizing adjacent waters, would be minimized by implementing site-specific erosion control measures to reduce sediment delivery to waters during construction, including isolating work areas to complete construction in the dry.
- e. List any invasive animal species known to be on or near the site. [\[help\]](#)
None.

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. [\[help\]](#)
The project has no long-term energy needs.
- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. [\[help\]](#)
The project would have no effect on 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: [\[help\]](#)
The project would not require any energy and does not include any energy reduction or control features.

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

The Wildlife Area has historically been in agricultural production. No specific areas of contamination are known to occur.

- 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.

- 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. [\[help\]](#)
Petroleum products (fuel, lubricants) would be used to operate heavy machinery during construction. No other toxic or hazardous chemical would be stored, used, or produced during project development, construction, or operation.

- 4) Describe special emergency services that might be required. [\[help\]](#)
No special emergency services would be required.

- 5) Proposed measures to reduce or control environmental health hazards, if any: [\[help\]](#)
Standard worker and environmental health protection measures would be employed during construction, including use of appropriate safety gear (hard hats, ear protection). No other environmental health hazards are anticipated.

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

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? [\[help\]](#)
Some traffic noise from SR 105 along the western boundary of the Wildlife Area is audible.
- 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. [\[help\]](#)
Limited construction-related noise from use of heavy equipment would occur during construction. This noise would be short-term, and would only occur during daylight hours.
- 3) Proposed measures to reduce or control noise impacts, if any: [\[help\]](#)
Work would only be completed during daylight hours. In addition, there are few (if any) sensitive noise receptors in the vicinity.

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 project site is currently managed by WDFW as a state Wildlife Area for wildlife habitat and wildlife-oriented recreational uses. The portion of the Wildlife Area where the project is proposed is entirely within state-managed lands, at a significant distance from nearby or adjacent properties. The project would not affect current land uses on nearby or adjacent 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? [\[help\]](#)

Prior to acquisition by WDFW, portions of the Wildlife Area were used as working farmlands and/or forestlands. However, the site is currently (and will continue to be) managed by WDFW as wildlife habitat and for wildlife-oriented recreational uses. The project would not convert agriculture or forestland of long-term commercial significance, or any farm or forestland to a nonfarm or nonforest 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: [\[help\]](#)
The project would not affect – or be affected by – surrounding working farm or forest land normal business operations.

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

A perimeter levee separates the Wildlife Area from the John’s River. A road runs along the top of the perimeter levee, and a series of internal berms and roads are located within the larger unit. Existing infrastructure at WCS 1 includes the half-round riser, culvert, and berm. Existing infrastructure at WCS 2 includes a half-round riser, pipeline, tidegate, riprap at the outlet, and an access ladder at the inlet.

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

The existing half-round riser at WCS 1 would be removed and replaced.

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

General Development 5 (G5)

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

General Development (Potentially Associated Wetland and Urbanizing Overlay)

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

Conservancy

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

Yes. The site is mapped as potential wetland by Grays Harbor County.

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: [\[help\]](#)

Not applicable.

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

WDFW will coordinate with Gray’s Harbor County to ensure the project is consistent with applicable zoning ordinances and comprehensive plan requirements.

- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: [\[help\]](#)
Not applicable.

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: [\[help\]](#)
Not applicable.

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? [\[help\]](#)
WCS 1 would be imbedded in a berm and less than 5 feet tall. It would also replace an existing, similar structure.
- b. What views in the immediate vicinity would be altered or obstructed? [\[help\]](#)
None.
- c. Proposed measures to reduce or control aesthetic impacts, if any: [\[help\]](#)
None.

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 would not produce light or glare during or after construction. All construction would be completed during daylight hours.
- b. Could light or glare from the finished project be a safety hazard or interfere with views? [\[help\]](#)
No light or glare would be generated by the project.
- 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: [\[help\]](#)
Not applicable.

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

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

WDFW currently manages the Wildlife Area for various recreational uses, including bird watching, nature photography and waterfowl hunting. Fishing and boating opportunities are also provided in the various adjacent waterbodies.

- b. Would the proposed project displace any existing recreational uses? If so, describe. [\[help\]](#)
No.
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [\[help\]](#)
Project construction would not impact recreation or recreation opportunities.

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. [\[help\]](#)

A review of DAHP's database did not result in the identification of any records of any recent cultural surveys on the project landform. There are no records of buildings, structures, or sites, located on the project site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers. DAHP's historic map overlay did not show any evidence of cultural features on the project landform.

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. [\[help\]](#)

Although the landscape has been identified as potentially culturally sensitive location. there are are no recorded landmarks, features, or other evidence of Indian or historic use or occupation in DAHP's database. A review of historic maps and the DAHP database did not result in the identification of any recorded cultural features within the project area. The nearest archaeological sites (a historic railroad site and shell midden) are both approximately 0.5 mile away. The following survey reports are available in DAHP's database. None include the proposed project area; however, they do provide a better understanding of the project's potential to encounter archaeological and cultural resources:

Kelly, Katherine
2015 WDFW Beaver Creek Bridge, Johns River

McFarland, Doug
2018 Collection of Data, Sediment, Plant, and Water Samples to Support Investigation of Hydrologic Imprinting Across Terrestrial-Aquatic Gradients, Grays Harbor County, Washington (2018-PNSO-006)

2018 Collection of Data, Sediment, Plant, and Water Samples to Support Investigation of Hydrologic Imprinting Across Terrestrial-Aquatic Gradients, Grays Harbor County, Washington (2018-PNSO-006)

Zuccotti, Lucy
2005 Letter to Kyle Guzlas RE: Cultural Resource Section 106 Review for WDFW's Lands within the Olympic Wildlife Area (OWA) and the Johns River Wildlife Area (JRWA) Project

WDFW will initiate tribal consultation with the Squaxin and Chehalis Tribes to identify the potential for impacts to cultural resources.

- c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc. [\[help\]](#)

The project was reviewed by the WDFW Lands Archaeologist. Context for project evaluation was derived from a review of historic maps, survey reports, and site documents available on DAHP's WISAARD database and a review of DAHP's predictive model. The proposed project location is within a broader area where DAHP has made the blanket recommendation for survey; however, the project type has a low potential to impact cultural resources. The project will be formally reviewed to clarify the expectations for intact archaeological resources and WDFW will initiate tribal consultation with the Quinault, Skokomish, Squaxin and Chehalis Tribes to identify the potential for impacts to cultural resources. The results of these investigations will be used to inform final project design.

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required. [\[help\]](#)
The project has been reviewed by WDFW staff / a professional archaeologist. It will operate under WDFW's Inadvertent Discovery Plan, which provides the project proponent with a detail series of steps to follow upon the unanticipated discovery of archaeological or cultural materials.

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

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. [\[help\]](#)
The Wildlife Area is accessible from SR 105, John's River Road and Game Farm Road. Access within the Wildlife Area is provided by berm tops and overland.
- 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? [\[help\]](#)
Public transit does not serve the Wildlife Area.
- 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.
The project would not use water, rail, or air transportation.
- f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates? [\[help\]](#)
Up to 4 worker vehicle trips per day would occur during the 2 week construction period. Workers would typically access the site between 7 a.m. and 6 p.m., depending on daylight working hours. The

number of vehicle trips are provided as estimates – no modeling has been used to estimate vehicular trips.

- 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. [\[help\]](#)
The project would not interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area.
- h. Proposed measures to reduce or control transportation impacts, if any: [\[help\]](#)
Not applicable.

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 would not result in an increased need for public services.
- b. Proposed measures to reduce or control direct impacts on public services, if any. [\[help\]](#)
Not applicable.

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

- a. Circle utilities currently available at the site: [\[help\]](#)
electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____
None.
- 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. [\[help\]](#)
No utilities are proposed under the project.

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

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

Signature: 

Name of signee **Brian Calkins**

Position and Agency/Organization **Region 6 Wildlife Program Manager, WDFW**

Date Submitted: 5/2/2019