

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 [\[HELP\]](#)

1. Name of proposed project, if applicable: [Northern Pikeminnow Dam Angling](#)
2. Name of applicant: [Eric Winther, Washington Department of Fish and Wildlife](#)

3. Address and phone number of applicant and contact person: [5525 S. 11th St. Ridgefield, WA 98542](#) [360-906-6749](#)
4. Date checklist prepared: [11/30/2022](#)
5. Agency requesting checklist: [Washington Department of Fish and Wildlife WDFW](#))
6. Proposed timing or schedule (including phasing, if applicable): [Has been in effect annually since 2010 from May through September.](#)
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. [None known.](#)
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. [None known other than this SEPA checklist.](#)
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 objectives of the Northern Pikeminnow Dam Angling project to be covered under the NNGF policy umbrella are as follows: (1) implement a recreational-type hook and line fishery harvesting Northern Pikeminnow from within the boat restricted zones (BRZs), where angling is unavailable to the public at The Dalles and John Day dams, (2) allocate Dam Angler effort between The Dalles and John Day dams based on Dam Angler CPUE in order to maximize harvest of Northern Pikeminnow, (3) collect, compile and report data on angler harvest, CPUE, gear/techniques and incidental catch for each project, (4) scan, record and report Passive Integrated Transponder (PIT) tag data from all Northern Pikeminnow, Smallmouth Bass, Walleye and Channel Catfish caught by the Dam Angling crew and record the presence of any external spaghetti or Floy tags, fin-clips or signs of tag-loss from these fishes for use in coordination with other predation studies, and (5) collect relevant biological data on all Northern Pikeminnow and other fishes caught by the Pikeminnow Dam Angling crew.

Mortality of juvenile salmonids *Oncorhynchus spp.* migrating through the Columbia River system is a major concern of the Columbia Basin Fish and Wildlife Program, and predation is an important component of mortality (Northwest Power Planning Council 1987a). Northern Pikeminnow *Ptychocheilus oregonensis*, formerly known as northern squawfish (Nelson et al. 1998), are the primary piscine predator of juvenile salmonids in the Lower Columbia and Snake River Systems (Rieman et al. 1991). Rieman and Beamesderfer (1990) predicted that predation on juvenile salmonids could be reduced by up to 50% with a sustained exploitation rate of 10-20% on Northern Pikeminnow ≥ 275 mm FL (11 inches total length). The Northern Pikeminnow Management Program (NPMP) was created in 1990, with the goal of implementing fisheries to achieve the recommended 10-20% annual exploitation on Northern Pikeminnow ≥ 275 mm FL within the program area (Vigg and Burley 1989). The primary component of

the NPMP is the Northern Pikeminnow Sport-Reward Fishery (NPSRF) implemented by the Washington Department of Fish and Wildlife (WDFW) (Burley et al. 1992). Beginning in 2010, WDFW was also contracted to conduct the Pikeminnow Dam Angling component of the NPMP (Hone et al. 2011) and 2021 marked the 12th consecutive year WDFW has implemented this component. The Pikeminnow Dam Angling project of the NPMP utilizes a four-person crew of experienced anglers using recreational-type hook and line angling techniques to harvest Northern Pikeminnow from within the boat-restricted zones (BRZ's) below The Dalles and John Day dams on the Columbia River.

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.

Pikeminnow Dam Angling occurs in the boat restricted zone (BRZ) below The Dalles Dam on the Columbia River, located 2 miles East of Dallesport, WA in Klickitat County. Pikeminnow Dam Angling would also occur in the BRZ below the John Day Dam on the Columbia River, 24 miles East of The Dalles Dam in Klickitat County. Dalles Dam: Section 35, Township 02 N, Range 13 E. John Day Dam: Section 28, Township 03 N, Range 17

B. Environmental Elements [\[HELP\]](#) ^{E.}

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

a. General description of the site: The Dalles and John Day dams on the Columbia River.

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

b. What is the steepest slope on the site (approximate percent slope)? *N/A*

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. *N/A*

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

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. *N/A*

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

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

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

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. [N/A](#)

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

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

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

a. Surface Water: [\[help\]](#)

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. [Columbia River BRZs below The Dalles and John Day dams.](#)

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. [Hook and line angling and Pikeminnow removal from BRZ areas of The Dalles and John Day dams.](#)

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. [N/A](#)

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

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. [Project occurs on The Dalles and John Day dams.](#)

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. [None.](#)

b. Ground Water: [\[help\]](#)

- 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**

- 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. **N/A**

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. **N/A**

- 2) Could waste materials enter ground or surface waters? If so, generally describe. **None used.**

- 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: **N/A**

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

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

- 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 [None](#).

- b. What kind and amount of vegetation will be removed or altered? [N/A](#)

- c. List threatened and endangered species known to be on or near the site. [N/A](#)

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

- e. List all noxious weeds and invasive species known to be on or near the site. [N/A](#)

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. [Terns, Seagulls, Comorants, Salmonids, Bass, Sturgeon, Walleye, Peamouth, chiselmouth, Sculpin, Shad, Catfish.](#)

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. [Several Columbia and Snake river salmonid stocks.](#)

- c. Is the site part of a migration route? If so, explain. [Columbia River is direct migration route of threatened and endangered salmonids mentioned above.](#)

- d. Proposed measures to preserve or enhance wildlife, if any: [N/A](#)

- e. List any invasive animal species known to be on or near the site.
[None known.](#)

6. **Energy and Natural Resources** [\[help\]](#)

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. [N/A](#)

- 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: [N/A](#)

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. [No](#)
- 1) Describe any known or possible contamination at the site from present or past uses.
[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. [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. [None.](#)
 - 4) Describe special emergency services that might be required. [911 if needed for medical emergency.](#)
 - 5) Proposed measures to reduce or control environmental health hazards, if any: [N/A](#)

b. *Noise*

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? [Dam Turbine noise.](#)
- 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. [None.](#)
- 3) Proposed measures to reduce or control noise impacts, if any: [N/A](#)

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. [Dams in place for energy, flood control. Project has no effect on that current land use.](#)
- 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? [N/A](#)
- 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: [N/A](#)
- c. Describe any structures on the site. [Existing US Army Corps of Engineers structures.](#)
- d. Will any structures be demolished? If so, what? [None.](#)
- e. What is the current zoning classification of the site? [N/A](#)
- f. What is the current comprehensive plan designation of the site? [N/A](#)
- g. If applicable, what is the current shoreline master program designation of the site? [N/A](#)
- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [N/A](#)
- i. Approximately how many people would reside or work in the completed project? [4-6](#)
- j. Approximately how many people would the completed project displace? [None.](#)
- k. Proposed measures to avoid or reduce displacement impacts, if any: [N/A](#)

- L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: [N/A](#)
- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any: [N/A](#)

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

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [N/A](#)
- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [N/A](#)
- c. Proposed measures to reduce or control housing impacts, if any: [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? [N/A](#)
- b. What views in the immediate vicinity would be altered or obstructed? [No.](#)
- b. Proposed measures to reduce or control aesthetic impacts, if any: [N/A](#)

11. Light and Glare [\[help\]](#)

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? [None.](#) [5am-midnight.](#)
- 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? [N/A](#)
- d. Proposed measures to reduce or control light and glare impacts, if any: [None.](#)

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

- a. What designated and informal recreational opportunities are in the immediate vicinity? [No public boat access/recreation in BRZ areas.](#)
- 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: [Will not target game fish valued as recreational 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. [None known](#)
- 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. [None known.](#)
- 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. [N/A](#)
- 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. [N/A](#)

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. [Portions of Interstate 84 near the dams.](#)
- 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? [N/A](#)
- 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). [None](#).
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. [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? [2-4 trips/day](#).
- 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. [No](#).
- h. Proposed measures to reduce or control transportation impacts, if any: [N/A](#)

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. [No](#).
- b. Proposed measures to reduce or control direct impacts on public services, if any. [N/A](#)

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

- a. Circle utilities currently available at the site:
 electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system,
 other _____ [None used other than existing bathrooms](#).
- 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. [N/A](#)

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: Eric Winther

Name of signee Eric Winther

Position and Agency/Organization WDFW Pikeminnow Project Leader

Date Submitted: 11/30/22