SEPA[1] 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.

[1] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/Checklist-guidance

A.Background

Find help answering background questions[2]

1. **Name of proposed project, if applicable:**

   State of Washington Interagency Northern Pike Rapid Response Plan

2. **Name of applicant:**

   Washington Department of Fish and Wildlife – Fish Program – Aquatic Invasive Species Unit

3. **Address and phone number of applicant and contact person:**

   Jesse Schultz
   Fish Program
   Aquatic Invasive Species Unit
   1111 Washington St SE Olympia, WA 98501
   360-480-2105

4. **Date checklist prepared:**

   February 1, 2024

5. **Agency requesting checklist:**

   Washington Department of Fish and Wildlife (WDFW)

6. **Proposed timing of schedule (including phasing, if applicable):**

   Timing is dependent on an unforeseen emergency detections of invasive Northern Pike – therefore unknown. At this time there are no known detections of Northern Pike requiring the State of Washington Interagency Northern Pike Rapid Response Plan (attached) to be implemented.

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

   Does not apply.

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

   The Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the National Pollutant Discharge Elimination System (NPDES) Aquatic and Invasive Species Control General Permit (attached).

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.**

[2] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-A-Background

Local jurisdictions (city or county governments) may require shoreline permits for activities in or near the water under the Shoreline Management Act (Chapter 173-27 WAC). Under special circumstances, local governments may also issue Conditional Use or Variance permits.

Washington State Department of Agriculture (WSDA) Special Local Need or Section 18 Emergency Exemption permits if the chemical is not registered under the Environmental Protection Agency (EPA).

WDFW Hydraulic Project Approval (HPA). WDFW protects freshwater and marine habitats using the agency's authority to provide approvals for construction projects that use, divert, obstruct, or change the natural bed or flow of state waters. The HPA permit is authorized through Chapter 77.55 RCW, and administered through rules in Chapter 220-110 WAC.

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 Northern Pike *Esox Lucius* is *a non-native fish species classified as an aquatic invasive species (AIS) in the state of Washington that has invaded multiple habitats within the state*. Illegal stocking in the 1950s in Montana rivers[3] outside its native range led to establishment of Northern Pike in the upper Columbia River Basin. By the 1970s, they had expanded their range into the Flathead River system and a separate illegal introduction also occurred in the Coeur d'Alene River system. Since that time, Northern Pike have steadily expanded their distribution downstream to include the Pend Oreille River, Spokane River, and the Columbia River upstream of Grand Coulee Dam. Northern Pike have also been introduced in Lake Washington with the first confirmed capture of a Northern Pike specimen occurring in 2017 and several more Northern Pike captured since.

Northern Pike are highly piscivorous, can live over 20 years, and can grow to over 45 pounds. They mature at 2-3 years of age, are highly fecund, and *can consume substantial quantities of native salmonids, causing substantial declines in prey populations*. Northern Pike also have broad physiochemical tolerances allowing them to invade waterbodies with a wide range of water quality conditions. Given their population dynamics and physiology, it is likely that Northern Pike will eventually expand their distribution into waters throughout the state of Washington. Areas that are at especially high risk of invasion, due to proximity to currently established populations, include portions of the Columbia River downstream of Grand Coulee and Chief Joseph dams and waterbodies connected to Lake Washington. Minimizing negative impacts of Northern Pike where they are currently established and preventing further spread within the state of Washington is critically important for protection of native and important fish species, including Endangered Species Act (ESA)-listed salmonids, as negative impacts to these populations could have dramatic deleterious ecological, cultural, and socioeconomic effects

[3] https://wdfw.wa.gov/species-habitats/invasive

across the Pacific Northwest. Thus, concerns about the potential impacts of Northern Pike have led the Western Governors' Association to designate them as a "Top 25" AIS.

The purpose of this Interagency Northern Pike Rapid Response Plan (Plan) is to provide a coordination document and technical resource to enhance the efficiency and effectiveness of Northern Pike prevention efforts, detection, early response, and long-term management activities. These efforts are necessary to minimize environmental, economic, and cultural resource impacts of Northern Pike where they are currently established and prevent further invasion of waterbodies within Washington state to protect native and important fish species. Gill netting is a common practice described in the plan for Northern Pike control.

1. Minimize the probability of further Northern Pike invasion.
2. Minimize the impact of Northern Pike on native and important fish species.

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 location proposed to implement the Plan are all water of the state as they occur throughout Washington state. The location of specific activities is unknown and yet to be determined. The location is dependent upon the detection of new Northern Pike warranting implementation of the Plan. Activities may occur in freshwater environments of Washington state. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

B.Environmental Elements

1. Earth

Find help answering earth questions[4]

a. General description of the site:

Does not apply.

Circle or highlight one: Flat, rolling, hilly, steep slopes, mountainous, other:

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

[4] https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-earth

Site is dependent on an anticipated, but currently unspecified incident – therefore unknown. There is the possibility that activities on steep slopes may occur. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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.

Site is dependent on an anticipated, but currently unspecified incident – therefore unknown. The soils of the sites will vary. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Site is dependent on an anticipated, but currently unspecified incident – therefore unknown. Internal WDFW pre-treatment planning will identify the history of unstable soils in the immediate vicinity. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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.

Does not apply.

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

Does not apply.

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

Does not apply.

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

Does not apply.

2. Air

Find help answering air questions[5]

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 may be temporary impacts from motorized equipment and exhaust from field equipment. Any impacts to the air quality will be short-term and limited to the vicinity. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Does not apply.

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

A rotenone treatment if warranted, will be conducted according to the pesticide label and NPDES permits. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

Activities resulting in deceased organisms may result in objectionable odors for persons in the areas. Odors would be short-term and if conducted in non-summer months will reduce the decay rate. WDFW generally plans to leave deceased organisms in the water to provide nutrients for growth of phytoplankton and zooplankton subsequent of activities. In response to local concerns, WDFW will offer, upon request, to remove dead organisms that have washed onto the shore of lakeside residences where practical.

3. Water

Find help answering water questions[6]

a. Surface:

Find help answering surface water questions[7]

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

[5] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-Air
[6] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water
[7] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Surface-water

yes, describe type and provide names. If appropriate, state what stream or river it flows into.

All activities will be conducted in surface water environments ranging from wetlands to large rivers, lakes, and reservoirs. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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. Activities will take place within water bodies and equipment staging may take place within 200 of described waters. Oil spill prevention and response plans will be followed accordingly for equipment in staging areas. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (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.**

   Does not apply.

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

   Surface water withdrawals or diversions is an option for control and eradication of Northern Pike based on the location of detection.

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

   Yes. All activities will be made into water bodies. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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.**

   Yes. If a rotenone treatment is conducted. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

b. Ground:

Find help answering ground water questions[8]

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 a general description, purpose, and approximate quantities if known.**

   Does not apply.

2. **Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (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.**

   Activities will not be made to upland (terrestrial) areas – therefore no runoff containing pesticides from treatment is expected to occur. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

   Rotenone strongly adsorbs to sediments, plants, and particulate matter in treated waters. As a result, rotenone should not leach into groundwater. No one has detected rotenone in groundwater, even in test areas associated with rotenone treatments.

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

   Surface water withdrawals or diversions is an option for control and eradication of Northern Pike based on the location of detection and may affect drainage patterns.

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

Rotenone treatment and concentration will be conducted according to the pesticide product label. If surface water withdrawals or diversions are warranted, measures will be implemented to reduce any negative impacts. Refer to the Washington State

[8] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-3-Water/Environmental-elements-Groundwater

Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

4. Plants

Find help answering plants questions

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**

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

The kind and amount of vegetation on site will vary depending on location. It is possible that vegetation will need to be removed or altered to successfully implement the Plan's activities. However, activities will not be targeting plants. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. Any listed species identified would be through Federal Endangered Species Act Section 7 consultation. Internal WDFW pre-treatment planning will identify any listed or sensitive species present to ensure that activity operations do not jeopardize the continued existence of the species. WDFW's fish timing windows will be followed. Refer to the Washington State Department of Ecology's Non-Project Environmental

Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

No measures to preserve or enhance vegetation are proposed.

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. Internal WDFW pre-treatment planning will identify noxious weeds through the Washington State Noxious Weed Control Board list, consult federal and state entities to determine terrestrial invasive species, and WDFW is the lead state regulatory agency for managing aquatic invasive species. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

5. Animals

Find help answering animal questions[9]

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. Internal WDFW pre-treatment planning will identify animals near or at the site. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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.

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. Any listed species identified would be through federal Endangered Species Act Section 7 consultation. Internal WDFW pre-treatment planning will identify any listed or sensitive species present to ensure operations do not jeopardize the continued existence of the species. Refer to the Washington State Department of Ecology's Non-

[9] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-5-Animals

Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. Internal WDFW pre-treatment planning will identify migration route (s) present. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

No measures to preserve or enhance wildlife are proposed.

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

Northern Pike are classified as an Prohibited Level 1 invasive species. Actions in this rapid response plan would only be implemented for Northern Pike. Site is dependent on an anticipated, but currently unspecified incident and therefore other invasive species besides Northern Pike are unknown. Internal WDFW pre-treatment planning will identify invasive animals near or at the site. WDFW is the lead state regulatory agency for managing aquatic invasive species. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

6. Energy and natural resources

Find help answering energy and natural resource questions[10]

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.

The types of energy will vary depending on operations and site. Gasoline and diesel fuels will probably be the two main energy needs for vehicles, watercrafts, and hot water pressure washers operations. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Does not apply.

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.

[10] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-6-Energy-natural-resou

Does not apply.

7. Environmental health

Health Find help with answering environmental health questions[11]

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

Environmental health hazards will vary depending on operation type and site. Potential hazards will primarily be exposure to rotenone. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. Internal WDFW pre-treatment planning will identify known or possible contamination at the site from present or past uses. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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.

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. Internal WDFW pre-treatment planning will identify existing hazardous chemicals/conditions that might affect project development and design. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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.

Rotenone may be an option.

4. Describe special emergency services that might be required.

[11] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-7-Environmental-health

None are anticipated. Any spill that may occur during transportation will be cleaned up according to the label requirements and WDFW sill response procedures identified in pre-treatment planning documentation for each site.

5. **Proposed measures to reduce or control environmental health hazards, if any.**

   Treatments will be conducted according to the pesticide product label and use only licensed aquatic pesticide applicators, which will follow special restrictions and monitoring. If a treatment is conducted. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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)?**

   Intrusive noise levels vary depending on time, wind direction, and site. Sources of noise during operations include road traffic, watercraft, and human activity (e.g., generators, motors, and people). Noise will generally be of short duration, concentrated and more apparent at and near the stie of operations during daytime hours.

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

   Personnel conducting operations must have taken WDFW's Hearing Conservation Program training and are required to wear personal protective devices (e.g. hearing protection) at the site of the operation of motors, per WDFW safety procedures developed for each operations project. Public impacts from noise would be limited by temporarily prohibiting public access to the site.

8. Land and shoreline use

Find help answering land and shoreline use questions[12]

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.**

   Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. Land use will likely vary depending on site. Internal WDFW pre-treatment planning will identify land and shoreline uses. Shoreline property owners will be notified prior to or concurrent if a rotenone is used. Refer to the Washington State Department

[12] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-8-Land-shoreline-use

of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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 because 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?

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. Livestock grazing and other agricultural actives may occur in the vicinity of the site. Internal WDFW pre-treatment planning will identify if the site has been used as working farmlands or working forest lands. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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?

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify if operations affect or be affected by surrounds working farm or forest land normal business operations. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

c. Describe any structures on the site.

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify structures on site. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. Structures may have to be demolished if they occur at the site in rare incidents. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify zoning classification of the site. Refer to the Washington State Department of Ecology's Non-Project Environmental

Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify current comprehensive plan designation of the site. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify, and comply with use or permitting requirements of the current shoreline master program of the site. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify critical areas within the site. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

The number of people will vary from a small operations requiring five to a large operations requiring approximately 30.

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify the number of people the operation could temporarily displace. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

If a rotenone treatment is conducted and disrupts water supply – provide alternative water supply for residents with water rights for drinking, stock watering or irrigation.

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

Aquatic Invasive species (AIS) not only threaten the ecological integrity of Washington's waters, but also have economic impacts. AIS can contribute to increased occurrences of

toxic algae blooms, limit water recreational use, and increased maintenance resulting in reduced shoreline property values. Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify existing and projected land uses and plans for the site. The operation will be compatible with land uses and plans. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. Measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance will be implemented if necessary. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

9. Housing

Find help answering housing questions[13]

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

Does not apply.

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

Does not apply.

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify impacts to housing because of operations. None are anticipated but one user group may be persons using watercraft as permanent housing in marinas. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

[13] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-9-Housing

10. Aesthetics

Find help answering aesthetics questions[14]

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

Does not apply.

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify views in the immediate vicinity that would be temporarily altered or obstructed. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Operations could result in deceased organisms may resulting in objectionable odors for persons in the site area. Odors would be short-term and if conducted in non-summer months will reduce the decay rate. WDFW generally plans to leave deceased organisms in the water to provide nutrients for growth of phytoplankton and zooplankton subsequent to operations. In response to local concerns, WDFW will offer upon request, to remove dead organisms that have washed onto the shore of lakeside residences. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

11. Light and glare

Find help answering light and glare questions[15]

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

Operations would occur primarily during daylight hours. In rare events operations could occur at night using watercraft lights, vehicles lights, and flashlights.

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify lights and glare from the finished project that can be a safety hazard or interfere with views. Refer to the Washington

[14] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-10-Aesthetics
[15] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-11-Light-glare

State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify existing off-site sources of lights and glare that may affect operations. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

High-beam lights will be prohibited.

12. Recreation

Find help answering recreation questions

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

Water related activities such as angling, boating, swimming, and shore-sided recreation activities such as camping and hiking may occur.

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

Yes. Recreational activities may be prohibited prior to, and for a period of time subsequent to operations. Water use restriction listed on the pesticide label and permits will be followed and may restrict primary contact recreation as well as fishing restrictions.

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

Advanced warning through public meetings, news releases, signage, and temporary administrative personnel in the project area alerting the public of possible restrictions on land and water uses. Except in the case of an emergency, treatments would be planned to avoid weekends and holidays so as to limit impacts to recreation.

Water bodies would be restocked with game fish to reduce impacts to recreational fishermen in rare situations where pesticide treatments eradicated all non-targeted game fish.

13. Historic and cultural preservation

Find help answering historic and cultural preservation questions[16]

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.

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify 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, local preservation registers. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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.

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify landmarks, features, or other evidence of Indian or historic use or occupation, material evidence, artifacts, or areas of cultural importance on or near the site. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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.

Consultation with the affected tribe (s).

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.

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

[16] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-13-Historic-cultural-p

14. Transportation

Find help with answering transportation questions[17]

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.

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify public streets and highways serving the site or affected geographic area. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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?

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify served public transit affected by operations at the site or affected geographic area. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

c. 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.

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify water, rail, or air transportation. Rail transportation is not anticipated. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

e. 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?

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify the number of vehicular trips, when peak volumes would occur, and percentage of trucks. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic

[17] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-B-Environmental-elements/Environmental-elements-14-Transportation

Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

f. 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.

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify the movement of agricultural and forest products on roads or streets in the area. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

Site is dependent on an anticipated, but currently unspecified incident and therefore unknown. WDFW pre-treatment planning will identify measures to reduce or control transportation impacts. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

15. Public services

Find help answering public service questions[18]

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.

It is not anticipated that treatment actives related to this proposal would increase the need for public services.

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

WDFW personnel will be present during treatments to monitor the operation and ensure the safety and well-being of the public and affected environment.

16. Utilities

Find help answering utilities questions[19]

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

Does not apply.

[18] https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-15-public-services
[19] https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-b-environmental-elements/environmental-elements-16-utilities

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.**

C.Signature

Find help about who should sign[20]

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.

Jesse Schultz

Type name of signee:

Position and agency/organization:

Date submitted:

D.Supplemental sheet for nonproject actions

Find help for the nonproject actions worksheet[21]

Do not use this section 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?**

   Rapid response conducted under the Plan may result in the discharge of pesticides to surface waters of the state to eradicate or control populations of Northern Pike that have the potential to greatly impact Washington waters and their use. Site is dependent on an anticipated, but currently unspecified incident – therefore unknown. Internal WDFW pre-treatment planning will identify nature of discharge. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact

[20] https://ecology.wa.gov/Regulations-Permits/SEPA/Environmental-review/SEPA-guidance/SEPA-checklist-guidance/SEPA-Checklist-Section-C-Signature
[21] https://ecology.wa.gov/regulations-permits/sepa/environmental-review/sepa-guidance/sepa-checklist-guidance/sepa-checklist-section-d-non-project-actions

Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

Intrusive noise levels vary depending on time, wind direction, and location. Sources of noise during the application include road traffic, motorboats, and human activity (e.g., generators, motors, and people). Noise is generally concentrated and more apparent at and near the site of applications.

- **Proposed measures to avoid or reduce such increases are:**

  Proposed measures to avoid or reduce such increases are: inherent in the planning and implementation of the Plan's actions by project biologists. Factors such as water quality, other species, property ownership, and public safety are considered during the pre-treatment planning. Appropriate concentration of pesticide chemicals are determined to ensure the eradication of Northern Pike targeted by the treatment, and to ensure that minimal impacts will affect the native species and populations, humans, and livestock if a chemical treatment is conducted. Best management practices will be followed for will be followed for non-chemical treatment actions. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

   The Plan's actions are intended to control and eradicate Northern Pike and will often affect closely related organisms as well. Permit conditions and the Federal Insecticide, Fungicide, and Rodenticide Act label will mitigate impacts to non-target organisms. Actions of the Plan could have a temporary negative effect on non-targeted plants, animals, and fish depending on what action is used. Northern Pike are a freshwater species and actions in the marine environment will not occur. However, not conducting any type of control or eradication efforts could have a long-term effect if Northern Pike are established. Northern Pike have few to no predators depending on life stage, consume native species, and out compete native species for forage and habitat. Thus, Northern Pike populations increase and native species populations decrease or even expire. Best management practices will be followed for will be followed for non-chemical treatment actions. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

     - Proposed measures to protect or conserve plants, animals, and fish are: inherent in the planning and implementation of the Plan's actions by project biologists. Northern Pike are a freshwater species and actions in the marine environment will not occur. Factors such as water quality, other species, property ownership, and public safety are considered during the pre-treatment planning. Appropriate concentration of pesticide chemicals are determined to ensure the eradication of Northern Pike targeted by the

treatment, and to ensure that minimal impacts will affect the native species and populations, humans, and livestock if a chemical treatment is conducted. The appropriate pesticide chemical for treatment to minimize effects to not-targeted species and only licensed personnel will conduct treatments according to the product label. Best management practices will be followed for will be followed for non-chemical treatment actions. Refer to the Washington State Department of Ecology's Non-Project Environmental Impact Statement Aquatic Invasive Species Control and the NPDES Aquatic and Invasive Species Control General Permit (attached).

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

It is not anticipated that the activities resulting from the Plan will deplete energy or natural resources.

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

  Does not apply.

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?**

Site is dependent on an anticipated, but currently unspecified incident – therefore unknown. Internal WDFW pre-treatment planning will identify possible use and effect of actions at sensitive areas.

- **Proposed measures to protect such resources or to avoid or reduce impacts are:**
  - All actions will follow state and federal laws.
  - Waters will not be treated in ways which would cause significant negative impacts. An exception may be granted in case of a biological emergency.
  - The stakeholders and the public will be part of the decision making process.
  - A public meeting will be held in the vicinity of the proposed treatment site before a final decision is made.

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?**

Site is dependent on an anticipated, but currently unspecified incident – therefore unknown. Internal WDFW pre-treatment planning will identify possible effects treatments might have on land and shoreline use.

- **Proposed measures to avoid or reduce shoreline and land use impacts are:**
  - All actions will follow state and federal laws.

- Waters will not be treated in ways which would cause significant negative impacts. An exception may be granted in case of a biological emergency.
- The stakeholders and the public will be part of the decision making process.
- A public meeting will be held in the vicinity of the proposed treatment site before a final decision is made.

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

Site is dependent on an anticipated, but currently unspecified incident – therefore unknown. Internal WDFW pre-treatment planning will identify possible effects treatments might have transportation, public services, and utilities.

- **Proposed measures to reduce or respond to such demand(s) are:**
  - All actions will follow state and federal laws.
  - Waters will not be treated in ways which would cause significant negative impacts. An exception may be granted in case of a biological emergency.
  - The stakeholders and the public will be part of the decision making process.
  - A public meeting will be held in the vicinity of the proposed treatment site before a final decision is made.

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

The activities included in this proposal will comply with all applicable local, state, and federal polices and laws. The actions in the Plan will be consistent with WDFW safety policies.