

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:

Washington and Oregon Eulachon Management Plan

2. Name of applicant:

Laura Heironimus

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

5525 S. 11th St., Ridgefield, WA 98642

360-719-0677

4. Date checklist prepared:

12/29/2022

5. Agency requesting checklist:

Washington Department of Fish and Wildlife

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

The final recovery plan will likely be adopted in early 2023. Actions prescribed in the plan will be ongoing annually, often in the January – May seasonal window.

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

When WDFW has more research and monitoring data available in the future, it will likely update the Eulachon Management Plan to reflect current information. Appropriate SEPA review will be conducted at that time.

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

The plan resulted from the Endangered Species Act listing, Recovery Plan needs, and to seek coverage under the proposed 4(d) rulemaking by NOAA fisheries.

<https://www.fisheries.noaa.gov/species/eulachon>

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.

I am not aware of any such applications.

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

Although Eulachon are an ESA-listed species, there is currently no 4(d) rule in place prohibiting take; therefore, no additional permits are needed to my knowledge.

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.)

This management plan is being submitted by the Washington Department of Fish and Wildlife and the Oregon Department of Fish and Wildlife for authorization of directed take of the Southern distinct population segment of Eulachon in commercial and recreational fisheries. The objective of this management plan is to update the 2001 Washington and Oregon Eulachon Management Plan for the purpose of harvesting Eulachon in a manner that does not jeopardize their survival and recovery. The management area covered by this plan includes the Columbia River mainstem and adjacent tributaries in Washington and Oregon. The Eulachon fishing period may extend from December through May, with fishing generally occurring in February through April.

The management plan would outline strategies to authorize recreational and commercial fisheries within the management area, therefore the total number of people who harvest Eulachon as a result of this plan would vary between seasons, years, and areas. Based on the past 10 years of management data, in years when the Eulachon run is strong, an estimated 5-10 commercial fishers may be fishing Eulachon on the mainstem Columbia for 10-30 total days between January and April. During that same time period, an estimated 10-20 thousand recreational anglers may come out for a single day, five-six hour, recreational opener. It is likely that in most years there will only be opportunity for fewer than five recreational openers in a season.

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 management area and proposed fishing activities covered by this plan include the Columbia River mainstem from the mouth upstream to Bonneville Dam, and adjacent tributaries, including the Cowlitz, Lewis, Elochoman, Kalama, Grays, and Deep rivers in Washington and the Sandy River in Oregon.

Counties affected by this plan in the natural environment are Pacific, Wahkiakum, Cowlitz, Clark, Skamania, Lewis, and Klickitat counties in Washington, and Clatsop, Columbia, and Multnomah counties in Oregon.

B. Environmental Elements [\[HELP\]](#)

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

a. General description of the site:

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

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. **river rock, gravel, sand, silt**

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.

Commercial fishing vessels are typically commercial gillnetting boats, often powered with gas or diesel inboard engines. Research vessels are typically 16-20 ft vessels often powered by gasoline inboard or outboard engines.

- 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.
Fisheries and monitoring will occur in freshwater, within the mainstem Columbia River and adjacent tributaries.

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.
All fisheries and monitoring will occur in the water.

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.
No.

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.
Fisheries and monitoring will occur in freshwater, within the mainstem Columbia River and adjacent tributaries, some fishing activities will occur within the floodplain, most commonly around the Cowlitz River downstream of Castle Rock, WA.

6) Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No.

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.

N/A

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

N/A

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

- 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.

Examples include:

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

A diversity of animals co-occur with and feed upon Eulachon within freshwater including bony and cartilaginous fishes (e.g. smelt, salmon, sturgeon, lamprey), birds (e.g., eagles and gulls), and marine mammals (e.g., seals and sea lions).

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

Any threatened or endangered species that inhabits the lower Columbia River and adjacent tributaries could potentially exist near Eulachon fishery and monitoring sites. No ESA-listed species (other than the threatened Southern distinct population segment of Eulachon, themselves) have been observed within the proposed fisheries or monitoring to my knowledge. Potential species that may be encountered within management area include Green Sturgeon (*Acipenser medirostris*), Chinook Salmon (*Oncorhynchus tshawytscha*), Coho Salmon (*O. kisutch*), Chum Salmon (*O. keta*), Sockeye Salmon (*O. nerka*), and steelhead (*O. mykiss*).

- c. Is the site part of a migration route? If so, explain. **This river is a migratory corridor for a number of anadromous fish species; however, migrating adults are not likely to be encountered in these fisheries due to non-overlapping adult run timing and the use of selective gear types.**

- d. Proposed measures to preserve or enhance wildlife, if any: **To avoid encountering and handling non-target species, we will employ the use of selective gear types and adjusting the timing of fishery and monitoring activities, and evaluating the population status and sustainable harvest rates for the target species.**
- e. List any invasive animal species known to be on or near the site. **Unknown**

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. **N/A**
- 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. **N/A**
- 1) Describe any known or possible contamination at the site from present or past uses. **N/A**
 - 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. **N/A**
 - 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. **N/A**
 - 4) Describe special emergency services that might be required. **N/A**
 - 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)? **N/A**

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. **Typically there is public interest during the recreational harvest opportunities in the tributaries, mainly around the Cowlitz River. For the 1-5 days per year that this fishery is open there may be vehicle traffic around river access points.**

3) Proposed measures to reduce or control noise impacts, if any: **We intend to work with Cowlitz County (or other counties as needed) to help direct traffic and minimize noise impacts on the days the fishery is open to the public.**

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. **N/A**
- 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. **N/A**
- d. Will any structures be demolished? If so, what? **N/A**
- e. What is the current zoning classification of the site? **Plan covers a broad area with various zoning classifications.**
- f. What is the current comprehensive plan designation of the site? **Plan covers a broad area with various comprehensive plan designations.**
- g. If applicable, what is the current shoreline master program designation of the site? **Varies throughout areas covered by plan.**
- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. **City and county classifications vary throughout areas covered by plan. A portion of this range has been identified as a critical habitat for Eulachon, and nearly all areas included in this plan are listed as critical habitat for the other ESA-listed species that may be found within the study area:**
- i. Approximately how many people would reside or work in the completed project? **N/A**

- 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: **N/A**

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? **N/A**
- 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? **N/A**
- b. Could light or glare from the finished project be a safety hazard or interfere with views? **N/A**
- 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: **N/A**

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

- a. What designated and informal recreational opportunities are in the immediate vicinity?
As this proposal involves the freshwater Columbia River and adjacent tributary, there are a myriad of recreational opportunities within the vicinity including fishing, boating, and swimming.

b. Would the proposed project displace any existing recreational uses? If so, describe.
This management plan describes the steps necessary to determine sustainable harvest rates and open recreational harvest opportunities for Eulachon.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
This management plan describes monitoring methodologies, sustainable harvest strategies, and a stepwise harvest plan to determine the amount, timing, and location of allowable recreational harvest 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. **No.**

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

These rivers are a part of the ancestral lands of several indigenous peoples, including the Cowlitz Indian Tribe. The plan will not impact cultural sites or 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.
WDFW will coordinate harvest with tribes of the lower Columbia River. This plan will not impact cultural sites or resources.

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.

The plan covers a broad area but does not impact roads.

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?

The plan covers a broad area but does not impact public transit.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? **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). **No.**

- 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? **N/A**
- 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:
We intend to work with Cowlitz County (or other counties as needed) to help direct traffic and minimize noise impacts on the days the fishery is open to the public.

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, the public service needs would be similar to previous years.
- b. Proposed measures to reduce or control direct impacts on public services, if any.
As has been done in the past, we will notify the counties of upcoming recreational fishing opportunities.

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

- a. Circle utilities currently available at the site:
 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. **None.**

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

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

Signature: *Laura Heironimus*

Name of signee Laura Heironimus

Position and Agency/Organization Sturgeon, Smelt, and Lamprey Unit Lead/ Washington Department of Fish and Wildlife

Date Submitted: 1/20/2023

D. Supplemental sheet for nonproject actions [\[HELP\]](#)

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

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

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

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

Proposed measures to avoid or reduce such increases are: **N/A**

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

This plan would outline strategies for sustainable harvest of Eulachon.

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

This plan includes plans to coordinate sustainable harvest plans with other harvest entities and NOAA fisheries. Additionally, commercial smelt harvest is considered a monitoring tool to evaluate abundance and track population status through time.

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

Proposed measures to protect or conserve energy and natural resources are: **N/A**

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?

This plan would outline strategies for sustainable harvest of Eulachon.

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

This management plan describes monitoring methodologies, sustainable harvest strategies, and a stepwise harvest plan to determine the amount, timing, and location of allowable recreational harvest opportunities.

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? **N/A**

Proposed measures to avoid or reduce shoreline and land use impacts are: **N/A**

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

Proposed measures to reduce or respond to such demand(s) are: **N/A**

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