



State of Washington
DEPARTMENT OF FISH AND WILDLIFE

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SEPA ENVIRONMENTAL CHECKLIST FOR STOCKING GRASS CARP

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.

Some of the answers below have been pre-filled (underlined text). **Please review them for accuracy and edit as needed for your proposal.**

A. Background [Find help answering background questions](#)

1. Name of proposed project:

Stock triploid (sterile) grass carp to control aquatic vegetation

2. Name of applicant: Krister Fast

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

Address: 4865 Nettle Lane Bellingham, WA 98226

Phone number: 360-220-2196

4. **Date checklist prepared: April 20, 2023**

5. **Agency requesting checklist:**

Washington Department of Fish and Wildlife

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

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

There are no current plans for additions or further activity, but if there is a need for further vegetation control after five years, another stocking application may be submitted to WDFW. Future stocking rates will depend on the standing stock of grass carp in the subject waters at that time.

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

X None List:

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.**

X No Yes, explain:

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

- Documentation from USFWS verifying that the fish to be stocked are triploid grass carp.
- Documentation from USFWS, or verification from a state or federal fish biologist, state/federal-approved fish pathologist, or a consulting fish biologist not employed by the commercial facility shipping the grass carp, that the fish to be stocked are certified disease-free.
- Triploid grass carp stocking permit (approved WDFW Application for Planting Triploid Grass Carp).
- Approved WDFW Fish Stocking Application/Permit.
- Certification from the state of origin that the fish are Zebra Mussel-free.
- A SEPA threshold determination.
- A WDFW Hydraulic Project Approval (if screening is required to be installed).
- Consensual approval of the proposed planting from all the property owners with land abutting the targeted water.
- A Lake Restoration Feasibility Assessment of an Integrated Aquatic Vegetation Management Plan (if required).

11. **Give a 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.**

Stock triploid grass carp (*Ctenopharyngodon idella*) to control aquatic vegetation.

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.

Project address or location description: 4865 Nettle Lane, Bellingham, WA 98226

County: Whatcom

Township, Range, and Section: Twnshp:T38N Rng:R03E Sect:04

GPS coordinates (optional):

B. Environmental Elements

1. Earth [Find help answering earth questions](#)

a. General description of the site:

Check one: Flat, Rolling, Hilly, Steep slopes, Mountainous, Other:

b. 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. Clay soil

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

No Yes, describe:

d. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

No fill or excavation will be done for stocking grass carp at this site.

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

No.

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

Stocking grass carp will not change the amount of impervious surfaces at the site.

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

None.

2. Air [Find help answering air questions](#)

- 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.

Normal vehicle emissions from the WDFW site visit and the initial delivery of the grass carp. No emissions to the air will occur from the presence of grass carp.

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

No, any off-site sources of emissions or odors will not affect stocking grass carp.

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

None.

3. Water [Find help answering water questions](#)

- a. Surface Water: [Find help answering surface water questions](#)

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.

No Receiving unnamed pond and seasonal wetland to the south of the pond. No surface water connections to other waters are present.

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, the work is to stock grass carp into a water body(ies). Installation of secondary screening may also be required but already in place.

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.

No fill or dredged material will be placed or removed as part of stocking grass carp.

4. Will the proposal require surface water withdrawals or diversions? Give a 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.

No Yes

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

Grass carp have a short and inefficient digestive tract and can digest only about half of what they consume (2-3 times their weight) in a day. The rest is excreted into the water, nutrifying the water and promoting algal blooms. These blooms can decrease water clarity and reduce oxygen levels.

b. Ground Water: [Find help answering ground water questions](#)

- 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.**

Stocking or presence of grass carp will not change any groundwater withdrawals from a well. No, stocking or presence of grass carp will not discharge water to groundwater.

- 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.**

Stocking or presence of grass carp will not discharge waste material into the ground or change any existing septic system that may be on site.

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.**

Stocking or presence of grass carp will not affect any runoff at the site.

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

Yes. Grass carp have a short and inefficient digestive tract and can digest only about half of what they consume (2-3 times their weight) in a day. The rest is excreted into the water, nutrifying the water and promoting algal blooms. These blooms can decrease water clarity and reduce oxygen levels.

- 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.**

None.

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

b. What kind and amount of vegetation will be removed or altered? ~~The carp will take care of that.~~

Aquatic plants (see B.4.a)

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

Species: None

Information obtained from:

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

None. Yes, describe:

e. List all noxious weeds and invasive *plant* species known to be on or near the site. None

5. Animals [Find help answering animal questions](#)

a. Circle or 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. Examples include:

- Birds: hawk, heron, eagle, songbirds, other: **wood ducks, mallards**
- Mammals: deer,
- Fish: Gold fish

b. List any threatened and endangered *animal* species known to be on or near the site. ~~None~~

None

c. Is the site part of a migration route? No If so, explain.

Migratory waterfowl use the site

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

X None. Yes, describe:

e. List any invasive *animal* species known to be on or near the site. None

6. Energy and Natural Resources [Find help answering energy and natural resource questions](#)

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 presence of grass carp will not require an energy source.

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.

None.

7. Environmental Health [Find help with answering environmental health questions](#)

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.

No.

1. Describe any known or possible contamination at the site from present or past uses. None

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

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.

None.

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

None.

b. Noise

- 1. What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?**

None, any existing noise would not affect grass carp.

- 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?**

Normal vehicle noise from the WDFW site visit and the initial delivery of the grass carp.

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

None.

8. Land and Shoreline Use [Find help answering land and shoreline use questions](#)

- 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.**

Residential. No affect.

- 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?**

X No Yes, describe:

No land will be converted to other uses because of stocking grass carp.

- 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?**

X No Yes, how:

- c. Describe any structures on the site. Home**

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

No structures will be demolished as part of stocking grass carp.

- e. What is the current zoning classification of the site? Residential**

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

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

- h. Has any part of the site been classified as a critical area by the city or county? If so, specify.**
 No Yes, specify:

- i. Approximately how many people would reside or work in the completed project?**
The presence of grass carp will not change the number of people residing or working on site.

- j. Approximately how many people would the completed project displace?**
None.

- k. Proposed measures to avoid or reduce displacement impacts, if any.**
None.

- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any.**
None.

- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any.**
None.

9. Housing [Find help answering housing questions](#)

- a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.**
None.

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.**
None.

- c. Proposed measures to reduce or control housing impacts, if any.**
None.

10. Aesthetics [Find help answering aesthetics questions](#)

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?**
No structures will be constructed to stock grass carp.

- b. What views in the immediate vicinity would be altered or obstructed?**
None.

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

None.

11. Light and Glare [Find help answering light and glare questions](#)

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

None.

- 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?**

None, any existing light or glare would not affect grass carp.

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

None.

12. Recreation [Find help answering recreation questions](#)

- a. **What designated and informal recreational opportunities are in the immediate vicinity? None**

- 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.**

None.

13. Historic and Cultural Preservation [Find help answering historic and cultural preservation questions](#)

- 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**

- 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**

- 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.
- 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. None

14. Transportation [Find help with answering transportation questions](#)

- 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. None
- 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. 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.
No.
- 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?
None, the presence of grass carp will not change the number of vehicular trips per day at the site.
- 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.
No.
- g. Proposed measures to reduce or control transportation impacts, if any.
None.

15. Public Services [Find help answering public service questions](#)

- 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.

None.

16. Utilities [Find help answering utilities questions](#)

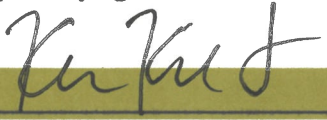
a. Check utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other:

b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

None, stocking grass carp will not change any existing utilities at the site.

C. Signature [Find help about who should sign](#)

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.

x 

Typed/printed name of signee: Krister Fast

Position and agency/organization: Owner

Date submitted: April 20, 2023

Individuals who need to receive this information in an alternative format, language, or who need reasonable accommodations to participate in WDFW-sponsored public meetings or other activities may contact the Title VI/ADA Compliance Coordinator by phone at 360-902-2349, TTY (711), or email (Title6@dfw.wa.gov).