ENVIRONMENTAL CHECKLIST

Purpose of Checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, Requires all government agencies to consider the environmental impacts of a proposal before making decisions. An environmental impact statement (EIS) must be prepared for all proposals with probable significant adverse impacts on the quality of the environment. The purpose of this checklist is to provide information to help you and the agency identify impacts from your proposal (and to reduce or avoid impacts from the proposal, if it can be done) and to help the agency decide whether an EIS is required.

Instructions for Applicants:

This environmental checklist asks you to describe some basic information about your proposal. Governmental agencies use this checklist to determine whether the environmental impacts of your proposal are significant, requiring preparation of an EIS. Answer the questions briefly, with the most precise information known, or give the best description you can.

You must answer each question accurately and carefully, to the best of your knowledge. In most cases, you should be able to answer the question from your own observations or project plans without the need to hire experts. If you really do not know the answer, or if a question does not apply to your proposal, write " do not know " or "does not apply ". Complete answers to the questions now may avoid unnecessary delays later.

Some questions ask about governmental regulations, such as zoning, shoreline, and landmark designations. Answer these questions if you can. If you have problems, the governmental agencies can assist you.

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.

Use of checklist for non project proposals:

Complete this checklist for non project proposals, even though questions may be answered " does not apply." IN ADDITION, complete the SUPPLEMENTAL SHEET FOR NON PROJECT ACTIONS (part D).

For non project actions, the references in the words "project," "applicant," and "property or site" should be read as "proposal," "proposer," and "affected geographic area, " respectively.

A. BACKGROUND

1. Name of proposed project, If applicable:

Plant triploid (sterile) grass carp to control aquatic vegetation.

2. Name of applicant: **AquaTechnex, Inc., for Nancy Wetsig Emerald Lake Community Club**

3. Address and phone number of applicant and contact person: **2900 E-1 29th Ave SW**
Tumwater, WA 98506
(360) 754-3460
Contact: Ryan Langan

4. Date checklist prepared: **3/6/01**

5. Agency requesting checklist: **Washington State Department of Fish and Wildlife**

6. Proposed timing or schedule (including phasing, if applicable): **Grass carp implementation would occur after receiving approved permit from the Department of Fish and Wildlife.**

7. Do you have any plans for future additions, expansions, or further activity related to or connected with this proposal? If yes, explain. **Not at this time.**

8. List any environmental information you know about that been prepared, or will be prepared, directly related to this proposal. **A document titled: " Use of Triploid Grass Carp in Washington", prepared by the Department of Wildlife.**

9. Do you know whether applications are pending for governmental approvals of other proposal 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.

1. **Planting permit from Washington Department of Wildlife.**
2. **Certification from the U.S. Fish and Wildlife Service that the fish shipped are triploids (sterile) and certification that the fish show no signs of disease.**

11. give a 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.)

Plant triploid grass carp 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 a 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.

See Attached Permit Application.

Mason Co, T 21 N, R 3W, S 24
Emerald Lake

TO BE COMPLETED BY APPLICANT

EVALUATION FOR AGENCY USE ONLY

B. ENVIRONMENTAL ELEMENTS

1. **Earth**

a. General description of the site (circle one): Flat, rolling, steep slopes, mountainous, other.

Site is a fresh water body lake. Surrounding area is surrounded by houses and forest.

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

Not applicable (NA)

c. What general types of soils are found on the site (for example, clay, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any prime farmland.

Site is a Lake. Lake sediments are composed of silt and clay.

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. **No.**

e. describe the purpose, type and approximate quantities of any filling or grading proposed. indicate sources of fill.

Not applicable.

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

No.

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

None

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

Not applicable.

2. **Air**

a. What types of emissions to the air would result from the proposal (i.e., dust, automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.

None.

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

Not applicable.

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

Not applicable.

3. **Water**

a. Surface:

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.

The site proposed is a lake.

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2) Will the project require any work over, in , adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Fish will be brought to the shore line of the lake in a holding tank /container and released.

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.

Not applicable.

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

Not applicable.

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

No.

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:

1) Will ground water be withdrawn, or will water be discharged to ground water? 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 animals or humans the system(s) are expected to serve.

Not applicable.

c. Water Runoff

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.

Not applicable.

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

No.

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

Not applicable.

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4. **Plants**

a. Check or circle types of vegetation found on the site:
X deciduous tree: alder, maple, aspen, other
Xevergreen tree: fir, cedar, pine, other
X shrubs
_X_grass
X pasture
__ crop or grain
X wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
X water plants: pondweed, eelgrass, elodea, other
__ other types of vegetation

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

This man made lake will develop growth of aquatic pondweeds and filamentous algae as the summer progresses.
This stocking is the long term component of an integrated aquatic plant management program for this site.

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

None known to be present on the site.

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

None.

5. **Animals**

a. Circle any birds and animals which have been observed on or near the site or are known to be on or near the site:

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

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

The only known threatened species near this site would be the ESA listed Chinook salmon in Puget Sound. The stocking of grass carp in this pond would not impact any surrounding streams or bodies of water containing threatened salmon species near the site.

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

There may be some use of the project ponds by migrating waterfowl.

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

None proposed for this site.

6. **Energy and Natural Resources**

a. What kind of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe weather it will be used for heating, manufacturing, etc.

None.

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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:

Not applicable.

7. **Environmental Health**

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

No.

1) Describe special emergency services that might be required.

Not applicable.

2) Proposed measures to reduce or control environmental health hazards, if any:

Not applicable.

b. **Noise**

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

None.

2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

None.

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

Not applicable.

8. **Land and Shoreline Use**

a. What is the current use of the site and adjacent properties?

The site is currently for aesthetic and fishing use only. The surrounding property is private property of the Homeowners and access is limited to owners only.

b. Has the site been used for agriculture? If so, describe.

No.

c. Describe any structures on the site.

None.

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

No.

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

The site where stocking will occur is a lake. The surrounding land is houses.

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

The site is a lake. The area around this lake is private property owned by the homeowners.

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

Not applicable.

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

No.

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

None.

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

None.

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

Not applicable.

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

None.

9. **Housing**

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:

Not applicable.

10. **Aesthetics**

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

Not applicable.

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

None.

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

Not applicable.

11. **Light and Glare**

a. What type of light 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.

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

Not applicable.

12. **Recreation**

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

This lake is for aesthetics and fishing only.

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:

Not applicable.

13. **Historic or Cultural Preservation**

a. Are there any places or objects listed on, or proposed for, national, state , or local preservation registers known to be on or next to the site? If so, generally describe.

No.

b. Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.

None.

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

Not applicable.

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14. **Transportation**

a. Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.

Not applicable.

b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop?

Not applicable.

c. How many parking spaces would the completed project have? How many would the project eliminate?

None.

d. Will the proposal require new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private).

No.

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

Project site is a lake and fish will be stocked into these waters.

f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

Not applicable.

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

Not applicable.

15. **Public Services**

~~a. Would the project result in an increased need for public services (for example: fire pro-~~

a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so, generally describe.

No.

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

Not applicable.

16. **Utilities**

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

Not applicable.

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.

Not applicable.

C. SIGNATURE

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.

Kyle Langan AquaTechnex, Inc.

Signature:

Date Submitted: 5/14/00