

WAC 197-11-960 Environmental checklist.

ENVIRONMENTAL CHECKLIST

Purpose of checklist:

The State Environmental Policy Act (SEPA), chapter 43.21C RCW, requires all governmental 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 questions 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 nonproject proposals:

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

For nonproject actions, the references in the checklist to 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:

Moon Creek Cleanup Project

2. Name of applicant: **Diamond Lake Improvement Association**

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

Applicant: **P.O. Box 889; Newport, WA 99156**

Contact: **Jeff Taylor, DLIA, (same address as above) (509) 447-5942**

Andrew Tom, P.E.; Sewell and Associates; 9 South Washington; Suite 310; Spokane, WA 99201

(509) 747-5794

4. Date checklist prepared:

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

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

HPA – April-May, 2012

Installation of Beaver Tubes – late May, 2012

Dredging – late summer, 2012 or in 2013

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

No, anticipated expansion of the scope of work, however, there will be an annual removal and cleaning of the beaver tube and reinstallation. There will be monitoring of flora in the dredged area to assess effectiveness of work.

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

A JARPA application will be required for installation of the tubes and dredging.

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, not at this time.

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

Yes, this action will require an HPA from Fish and Wildlife for the Beaver Tube(s) and the dredging.

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 project will remove flora from Moon Creek from the outlet (Boy Scout Road) approximately 300 feet downstream. Initially, herbicide will be applied in the creek channel for elimination of noxious weeds. The weed kill will be assessed to determine how best to remove the material. All work will be done by a certified application company, and their operating permit will be the permit for this work. SEPA and an HPA is not necessary for herbicide application to remove noxious weeds. There will also be insertion of beaver tube(s) in the dam downstream and placement of a staff gauge for reference for future maintenance.

It is anticipated that a floating suction dredge will be used to harvest the flora either later this year or next year. The material will be piped to dry land near the dredging area and deposited into a dewatering impoundment. The dewatered material will be removed for some beneficial use since this material, high in organic matter, is a beneficial by-product.

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 legal description of the treatment plant site is: Section 10, T.30 N., R. 44 E.W.M. (see attachment #1)
The site is located just west of Diamond Lake and Moon Creek is just north of Highway 2.**

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B. ENVIRONMENTAL ELEMENTS

1. Earth

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

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

This is in the creek and the maps indicate a 0-2% slope, which would be expected in a creek bottom.

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- 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 prime farmland.

The soil classification of the soil is an Athena silt loam. This would be a muck down to 3-4 feet with a very fine sandy loam beneath.

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

No, this is a creek bottom.

- e. Describe the purpose, type, and approximate quantities of any filling or grading proposed. Indicate source of fill.

No filling. This is a dredging or non-fill operation.

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

Only if inexperienced personnel are operating the equipment or conducting the work. The suction dredge will be occurring in the water, and an experienced operator should ensure that the banks are not compromised or that dredged material will be controlled. The operation will involve dewatering on dry land, where the proper construction and operation of the dewatering impoundments will not breach and create the potential for erosion. All work will be done to insure that no construction related material enters waters of the state. There will be no erosion created by the beaver tube work or the herbicide application work.

- 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:

The proper operation of the equipment and use of the dewatering impoundments will ensure that adverse impacts to the earth do not occur.

- a. **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.

Emissions from operating motorized equipment will be minimal, since work will be of very limited duration and equipment will have been properly maintained.

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

No

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

The only emissions that could occur during dredging could be the air emissions from engines and these would be minimal.

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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 dredging will occur in Moon Creek where it discharges from Diamond Lake.

- 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, work will occur in Moon Creek and the dewatering impoundment(s) could be within 200 feet of the Creek or the Lake. Construction and operation will insure that no construction related material will be discharged into either the Creek or the Lake from these operations.

- 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.

- 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.

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.

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 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

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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.

No runoff should be generated from this construction.

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

Some dredged material could enter the water from operations, however, the suction dredge system was specifically chosen to minimize sediment generation and loss. Some nutrients could enter the ground from dewatering operations, however, these would be minimal and innocuous.

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

Any construction work will be designed and constructed to reduce, eliminate or control water impacts to surface, ground and runoff.

4. Plants

a. Check or circle 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

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?

Water Plants both free floating and attached.

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

None

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.

None

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

N/A

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

Installation of the beaver tubes will enhance the flow of the creek without harming the beavers.

6. **Energy and natural resources**

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

N/A

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

No

c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:

This is a short term energy usage project.

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 could occur as a result of this proposal? If so, describe.

No, there appear to be no reasonable chance of exposure to chemicals or risk of fire or spill. The dredging will be contacted to a company with personnel experienced in this work and with the procedure that will be used.

1) Describe special emergency services that might be required.

Someone falling into the water during dredging should be taken to a hospital if injuries occur.

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

The site is relatively inaccessible to unauthorized personnel.

b. Noise

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

No external noise will affect this proposal.

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.

There will be some construction related noise, from the motor on the dredge, but this area is located away from houses any only during normal work hours.

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

Work will occur during normal work hours – probably 1-2 weekdays from 8-5.

8. Land and shoreline use

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

This is a small creek and adjacent wetlands.

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

No

c. Describe any structures on the site.

None on site.

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

N/A

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

The current zoning for the Boy Scout property is Rural – 5 (R5) and the private land at the beaver dam is Rural – 20 (R20).

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

Rural

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

N/A

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

N/A

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:

N/A

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AGENCY USE ONLY

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

N/A

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:

N/A

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?

No proposed structures are being installed.

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

None

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

N/A

11. Light and glare

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

No additional light or glare.

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

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12. Recreation

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

The area around the lake, is recreational in nature.

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:

N/A

13. Historic and 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, there is no construction currently on-site.

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:

N/A

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.

No public streets or highways serving the site. This is a non-impact to transportation project.

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

No, too out of the way.

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

None

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

No

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- e. Will the project 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? If known, indicate when peak volumes would occur.

None

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

N/A

15. Public services

- 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 public services, if any.

N/A. There will be no impact on public services.

16. Utilities

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

No utilities at the site and none will be added.

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

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: 

Date Submitted: 5/11/12

