Washington Department of FISH and WILDLIFE

State of Washington
DEPARTMENT OF FISH AND WILDLIFE

Mailing Address: 600 Capitol Way N, Olympia, Washington 98501-1091 - (360) 902-2200

ENVIRONMENTAL CHECKLIST
(WAC 197-11-960)

A. BACKGROUND

1. **Name of proposed project, if applicable:** Statewide Fish Retention Screen Maintenance

2. **Name of Applicant:** *Washington Department of Fish and Wildlife Engineering Division*

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

Washington Dept of Fish and Wildlife
Capitol Programs & Engineering Division
600 Capitol Way North
Olympia, WA 98501-1091

Contact Person: Marty Peoples
Fish and Wildlife Biologist
Telephone Number: (360) 902-8426
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E-Mail: peoplmdp@dfw.wa.gov

4. **Date checklist prepared:** *January 29, 2008*

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

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

   General maintenance on screen structures is performed on a year around basis. Maintenance on portions of the structures in or near water is scheduled to coincide with low flow periods and the absence of migrating adult and juvenile salmonids. Obstructed screens may require emergency maintenance efforts to clear debris during high flow events at any time of the year.

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

   No.

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

   None known.

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.**

   None pending.

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

WDFW Hydraulic Project Approvals.

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.

This SEPA is for the maintenance of all WDFW fish retention screens statewide. Currently WDFW is responsible for the maintenance of these screens and associated structures. Typical maintenance will include inspection of structures, and clearing screens and entrance areas of woody debris, leaves, trash and miscellaneous floating objects. Other maintenance activities would include cleaning structures associated with screens, repairing vandalism and other damage, lubricating moving parts, replacing seals, inspecting to verify screens are fish tight, and monitoring for clear fish passage.

12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including 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.

See Table 1 below for locations, counties and WDFW Regional designation of currently owned and maintained fish retention screens. If additional fish retention screens are developed, their maintenance will also be covered under this SEPA. Currently there are 28 locations maintained by WDFW maintenance crews.

Table 1.

	SCREEN LOCATION	WDFW REGION
1	Amber Lake, Spokane County	1
2	Badger Lake, Spokane County	1
3	Chapman Lake, Spokane County	1
4	Diamond Lake, Pend Oreille County	1
5	Fishtrap Lake, Lincoln County	1
6	Hoefer Ditch, Walla Walla County	1
7	Hog Canyon Dam, Spokane County	1
8	Huntsville Mill, Columbia County	1
9	Liberty Lake, Spokane County	1
10	Marshall Lake, Pend Oreille County	1
11	Sacheen Lake, Pend Oreille County	1
12	Waitts Lake, Stevens County	1
13	Williams Lake, Spokane County	1
14	Alkali Lake, Grant County	2
15	Blue Lake, Grant County	2
16	Park Lake, Grant County	2
17	Shoecraft Lake, Snohomish County	4
18	Mineral Lake, Lewis County	5
19	Crocker Lake, Jefferson County.	6

20	Failor Lake, Grays Harbor County	6
21	Haven Lake, Mason County	6
22	Lake Nahwatzel, Mason County	6
23	Lake Southerland, Clallam County	6
24	Lawrence Lake, Thurston County	6
25	Mission Lake, Kitsap County	6
26	Phillips Lake, Mason County	6
27	Summit Lake, Thurston County	6
28	Wildcat Lake, Kitsap County	6

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (underline one): flat, rolling, hilly, steep slopes, mountainous, other...

Slopes found at these sites vary, but generally range from 2-15% grade.

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

The steepest slope does not exceed 25% grade.

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

Soils vary throughout the state. Generally, the types of soils found at screen sites are sand, silt and gravel, and range from poorly drained to somewhat excessively drained. Soils at the sites are likely fluvial deposits; topography is nearly level and within a floodplain. Agricultural properties may be adjacent to screen sites as floodplains are commonly used for farming practices.

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

Generally, the soils immediately around fish retention screens are stable.

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

No grading or filling is needed for this project.

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

Erosion is not likely. There will be no new disturbed areas associated with maintenance activities. Permanent structures will not be removed or altered.

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

There will be no new impervious surfaces added as a result of the listed maintenance activities.

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

Any potential erosion will be prevented using erosion control Best Management Practices (BMP's). Equipment will be operated on established access roads and hardened surfaces only. Debris cleaned from screen sites will be transported to areas above Ordinary High Water for disposal.

2. Air

a. What type 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.

Vehicle exhaust and dust from maintenance is expected. No long-term change in emissions is expected from listed activities.

b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. *No.*

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

Equipment use will be limited to necessary activities only.

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

Each fish retention screen is associated with a lake and is located at the lake outlet. The lakes are listed in Table 1.

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 components of this project will occur within 200 feet of waters of the state. The project description is described in question #11.

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 will be dredged, removed or added from surface waters or wetlands.

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

No surface water diversions will occur during maintenance activities. Screen maintenance will not require withdrawals or diversions.

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

All fish retention screens sites are within the 100-year floodplain.

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

No waste material will be discharged into surface waters.

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.**

No waste material will be discharged.

c. **Water Runoff (including storm water):**

1) **Describe the source of runoff (including storm water) and method of collection and disposal, if any (including quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.**

Existing runoff patterns will not be changed.

2) **Could waste materials enter ground or surface waters? If so, generally describe.** *No.*

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

No impacts expected.

4. **PLANTS**

a. **Check or underline types of vegetation found on the site:**

_x_ deciduous tree: alder, willow, maple, cottonwood, birch

_x_ evergreen tree: fir, cedar, pine, hemlock

_x_ shrubs: salmonberry, snowberry, huckleberry, red-oshier dogwood

_x_ grass

_x_ pasture

___ crop or grain

_x_ wet soil plants: cattail, smartweed, bulrush, skunk cabbage, canarygrass

_x_ water plants: common waterweed, spadderdock, waterlily, milfoil, pondweed

__x__ **other types of vegetation**

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

Upland grasses may be cut in the immediate vicinity of the screen sites.

c. List threatened and endangered species [of plants] known to be on or near the site.

No endangered plant species are known occur at the project sites.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: *None.*

5. ANIMALS

a. Underline any birds or 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, waterfowl, swallows, kingfisher

Mammals: deer, bear, elk, beaver, otters, raccoon

Fish: bass, salmon, trout, bass, sunfish, walleye, crappie

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

No endangered species are known to be near or on the sites.

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

Migrating waterfowl frequent most of the lakes listed.

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

No measures for enhancement will be taken as part of this maintenance project.

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: *None.*

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.

Accidental fuel spills could occur during operation of equipment.

1) Describe special emergency services that might be required.

Medical evacuation of injured maintenance personnel might be required.

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

Adhere to WDFW maintenance plan and state safety guidelines.

b. **Noise**

1) **What types of noise exist 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 long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.**

Increased levels of noise during construction activities are expected during maintenance activities. Increased noise levels will occur between 8:00am and 5:00pm. No change in noise level is expected after maintenance is complete.

3) **Proposed measures to reduce or control noise impacts, if any:** *None.*

8. **LAND AND SHORELINE USE**

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

These sites are used to prevent hatchery origin fish from escaping into downstream waters. Adjacent property use varies by site.

b. **Has the site been used for agriculture? If so describe?** *No.*

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

These sites typically have fish screens and concrete housing structures.

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

No.

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

Zoning varies by site, and is set by local county officials. In general, most fish retention screens are located in areas zoned rural.

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

Zoning varies by site, and is set by local county jurisdictions. In general, most fish retention screens are located in areas zoned rural.

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

This designation varies by site.

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

This classification varies by site, but often wetlands are associated with lake outlets and represent sensitive areas.

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:** *None.*

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

No change in land use is proposed at any of these sites.

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:** *None.*

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?**

Fish retention screens vary in height, but generally do not exceed 8 feet.

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**

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

No change will result in glare.

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:** *None.*

12. **RECREATION**

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

Fishing, boating, and swimming opportunities usually exist at these sites.

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 recreational opportunities to be provided by the project or applicant, if any: *None.*

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.*

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:

Restrict maintenance work to existing structures only.

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.

Road access varies by site.

b. Is site currently served by public transit? If no, what is the approximate distance to the nearest transit stop?

Public transit service varies by site, but typically is not available at individual sites.

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

The completed maintenance will not add or reduce parking spaces.

***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.*

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.

No additional vehicle trips are anticipated to result from this project.

g. Proposed measures to reduce or control transportation impacts, if any: *None.*

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: *None.*

16. UTILITIES

a. **Underline 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.**

No additional utilities proposed.

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: Matty Peoples **DATE SUBMITTED:** 1/29/08