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:** Colockum Wildlife Area Boat Ramp Improvement

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

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
Fax Number: (360) 902-8367
E-Mail: peoplmdp@dfw.wa.gov

4. **Date checklist prepared:** January 3, 2011

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

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

   Summer 2011

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 are pending.

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

    A Chelan County Shoreline Permit, WDFW HPA, and Army CORP Section 10 permit will be needed.

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 project consists of a renovation of an existing boat launch ramp on the Columbia River located on the Colockum Wildlife Area. This ramp is currently a gravel launch with no concrete planks present and limited parking. This launch will be improved by placing new concrete planks and slightly decreasing the ramp angle into the river to facilitate launching. An additional parking area will also be constructed. The specific components of this project are:

1. Upgrade one gravel boat ramp at the Colockum WLA with a concrete plank ramp 12 feet wide by 112 feet long with a depth of 6 inches. The slope of new ramp will be decreased slightly to facilitate launching. This decreased slope will be achieved by importing fill at lower portion of the ramp above and below Ordinary High Water. The footprint of the current gravel ramp will be extended approximately 20 feet.

2. Armorflex concrete mat will be installed at both edges of the concrete plank ramp to protect the new ramp from premature degradation and undermining. Both sides of the ramp will have a 4 foot wide by 64 foot long Armorflex mat installed. A 16 foot by 16 foot Armorflex mat will be installed at the bottom edge of the ramp. All Armorflex mat will be secured using duckbill anchors.

3. Install a vault toilet and an asphalt ADA parking pad next to the toilet.

4. Construct an ADA loading platform.

5. Pave sections of the boat turn around area and the lower portion of the access road with asphalt.

6. Clear and pave the upper parking area with asphalt.

7. Install mitigation measures including road abandonment and re-vegetation in Areas 1 and 2. ~~Also perform native tree and shrub plantings in mitigation Area 3.~~ Perform mitigation in Tarpiscan Creek by placing two log piles below the Ordinary High Water mark to serve as LWD fish habitat. These logs piles will be placed as indicated in attached Tarpiscan Mitigation Drawings.

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.

The Colockum Boat Launch is reached by driving from Wenatchee on the Malaga/Alcoa Highway 13 to the junction of the Colockum Road and the Tarpiscan Road. Head south on the Tarpiscan Road and at the entrance to Colockum Wildlife Area turn east onto an unimproved gravel road to project site. This project is located in Chelan County, Section 29, Township 21 North, Range 22 East.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (underline one): flat, <u>rolling</u>, hilly, steep slopes, mountainous,

other_____.

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

30% slope.

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 in the vicinity are classified as Pogue gravelly fine sandy loam 15 to 25% slopes and rock outcroppings.

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 source of fill.**

There will be 152.0 CY of net fill below OHW and zero net fill above OHW. Imported fill will consist of clean washed crushed rock, Armorflex mats and precast concrete pads.

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

Yes, construction activities will temporarily disturb soil surfaces.

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

There will be a 5% increase in impervious surfaces.

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

Erosion impacts will be reduced by placing a sediment barrier around the construction sites to isolate the disturbed area from surface waters.

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.**

Low levels of vehicle exhaust emissions and dust from construction activities are expected during project activities. No long-term effects in air quality are anticipated to result from the completed project.

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:** None.

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.**

The Columbia River and Tarpiscan Creek is within the project site. Tarpiscan Creek flows into the Columbia River, and the Columbia River flows into the Pacific Ocean.

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, all components of the project are directly adjacent to the Columbia River and Tarpiscan Creek (see attached plans).

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.**

~~152~~ 154 CY of material will be placed into areas below OHW, including clean washed crushed rock, logs, Armorflex mats and precast concrete pads. Rock will be acquired from a local quarry.

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.**

Approximately 10% of the project site is within the 100-year floodplain. The floodplain does not extend into the parking area at this site, but is mainly confined to the river channel in this area. Only the lower portion of the ramp falls within 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.

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.**

Stormwater from the new upper parking lot will sheet flow from the new impervious gravel parking

surface and disperse/infiltrate across the surrounding natural area. This project will not change the existing storm water runoff patterns of the lower parking area. Stormwater will disperse/infiltrate from the parking surface across the surrounding natural area.

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:

None.

4. PLANTS

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

_x_ deciduous tree: alder, maple, aspen, other (willow)

___ evergreen tree: fir, cedar, pine, other;

_x_ shrubs

_x_ grass

___ pasture

___ crop or grain

___ wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other

_x_ water plants: waterlily, eelgrass, milfoil, other

___ other types of vegetation

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

A 7000 square foot upland area will be cleared of existing sagebrush and converted into a parking area. Other areas on this site currently used as roads will be vacated (8300 sq. ft.) and re-vegetated with native grass species and sagebrush.

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

No endangered plant species listed near this site.

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

8300 square feet of upland area will be restored to natural condition by blocking vehicle access and planting with native plants. 7200 square feet of riparian areas on this site will be planted with native shrub and tree species as mitigation for project impacts.

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, other: waterfowl.

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.

Bull trout, Upper Columbia River Spring Chinook, and Upper Columbia Steelhead are endangered species that occur near this site.

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

Juvenile and adult salmon migrate through this area.

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

Work will be done during low water periods to minimize impacts to aquatic species. Fish and silt curtains will be used to isolate the work area and protect fish species.

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. None.

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. No.

1) Describe special emergency services that might be required. None.

2) 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.

3) 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.

Temporary increases in noise levels during construction activities are expected from this project. Hours of increased noise will be 7 am to 5 pm. No long term change in noise levels is expected from the completed project.

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?**

This site is used as a wildlife area and boat access area and this usage will not change with this proposal. Adjacent properties are used for agricultural purposes.

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

No.

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

Structures on this site are limited to a kiosk, barrier rock and a severly damaged ramp.

d. **Will any structures be demolished? If so what?** No.

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

Long Term Agricultural.

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

Long Term Agricultural.

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

Shoreline Conservancy.

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?**

No persons would reside here.

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:**

Land uses have not changed with this project and public access usage in this area is high.

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?**

The vault toilet would extend 10 feet above ground level and is prefabricated synthetic material.

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?**

The repair will not may produce 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?**

There are hunting and fishing opportunities near this site.

b. **Would the proposed project displace any existing recreational uses? If so, describe.**

No recreational activities will be displaced.

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.**

None are known.

b. **Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.** None are known.

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

A review will be performed by qualified federal archaeologists.

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.**

The Tarpiscan Road serves this site.

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

No. The nearest public transit stop is in unknown.

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

The parking area can accommodate 25 vehicles with trailers attached. No parking spaces will be eliminated.

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).

Approximately 150 feet of the entrance road will be upgraded from gravel to asphalt between the upper parking area and the lower parking/loading area.

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

This project occurs next to established water transportation routes on the Columbia River.

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

This project may produce a slight increase in usage due to better ramp functionality. Two additional vehicles trips per day are anticipated.

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 utilities will be added or changed from this project.

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: Martin Peoples **DATE SUBMITTED:** 11/20/12