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:

   Beebe Springs Natural Area – Phase 4a

2. Name of applicant:
   Washington Department of Fish and Wildlife
3. Address and phone number of applicant and contact person:
   Ron Fox, Project Manager, Washington State Department of Fish and Wildlife (WDFW)
   3860 Chelan Highway
   Wenatchee WA 98801

(509) 665-3383

Jeff Walker, Agent, URS (206) 438-2351

Jim Brennan, Prime Consultant, Brennan and Associates (206) 583-0620

4. Date checklist prepared: **January 2012**

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

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

Phase 4a construction is expected to begin during July of 2012, with completion sometime in winter of 2013. Additional phases will be constructed as funding is acquired or available.

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

Unknown. The remaining items listed in the overall Site Master Plan could be constructed at undetermined dates if funding is acquired or available.

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

A Biological Assessment (BA) update and a Jurisdictional Waters Report have been prepared. A Cultural Resources report will be prepared for the Phase 4a project disturbance areas.

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.

The trail undercrossing of Beebe Bridge requires a permit from WSDOT. This application is pending.

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

A Section 404 nationwide permit from the U.S. Army Corps of Engineers (Corps), 401 Water Quality Certification from the Washington State Department of Ecology (Ecology), Hydraulic Project Approval from Washington Department of Fish and Wildlife (WDFW), and a Shoreline Substantial Development Permit from Chelan County are required for Phase 4a. Permits and approvals are anticipated prior to construction.

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.)

The purpose of the project is to improve access to the Chelan Hatchery and improve habitat conditions in Beebe Springs Creek, Chinook Spring, and Toad Creek.

BEEBE SPRINGS CREEK: RESTORATION AND ACCESS IMPROVEMENTS

Beebe Springs Creek, which flows from west to east along the northern boundary of the hatchery, is a fairly channelized creek that includes a segment of concrete-lined bottom. Steelhead trout spawn in this creek roughly to a point just downstream the concrete-lined portion of the channel, where a small pedestrian bridge crosses the creek at the eastern end of the concrete liner. The restoration plan for this segment of Beebe Springs Creek will include removing the concrete liner, and excavating portions of the stream bank to install woody debris and rounded rock. The intent of the restoration is to partially reestablish predevelopment channel morphology, provide better habitat opportunities for spawning steelhead, and

better cover for fish and wildlife. The riparian buffer will undergo selective invasive species control, and planting of native vegetation.

A pedestrian bridge currently spans Beebe Spring Creek. However, the grated deck bridge across the creek is light-duty, insufficient for frequent use, and does not provide ADA access. The project proposal includes removing the bridge and replacing it with a stronger solid-decked bridge.

The restoration and access improvements at Beebe Springs Creek include the following:

- **Removal of approximately 50 lineal feet of concrete channel liner**
- **Channel improvements along approximately 150 lineal feet of Beebe Springs Creek, which includes substrate enhancement, the installation of woody debris, and placement of boulders and cobbles**
- **Selective clearing of approximately 400 square feet of invasive, non-native vegetation within the stream buffer**
- **Planting of approximately 3,000 square feet of native riparian vegetation**
- **Removal of an existing bridge (approximately 60 square feet)**
- **Installation of a bridge (approximately 63 square feet)**

CHINOOK SPRING: RESTORATION AND ACCESS IMPROVEMENTS

Chinook Spring is approximately 200 feet north of Beebe Springs Creek and runs parallel to it. A very small amount of water trickles down the slope more or less continuously from part of the Beebe Springs complex. The riparian plant community along Chinook Spring consists primarily of native plant material. Wetland F has been delineated along the lower part of the spring.

Restoration of the Chinook Spring includes the removal of a failed culvert near the bottom of the slope, and the placement of native plants along the day-lighted channel. Proposed restoration work will also include the removal of a select patch of blackberries and managing the young blackberry sprouts by mowing and application by spot spraying and cut stem treatment of a permitted and effective herbicide. A grass seed mix will be placed to aid in erosion control. Invasive species control will occur for two to three growing seasons.

The project includes a proposed pedestrian crossing of Chinook Spring. The crossing will be in the form of a crushed rock surfaced trail with culverts beneath to accommodate water flow. It will result in the fill of approximately 112 square feet of Wetland F.

The restoration and access improvements at Chinook Spring include:

- **The full removal of a 4-inch culvert, approximately 30 feet in length**
- **Creation of approximately 325 square feet of wetland adjacent to Wetland F, where the culvert will be removed**
- **Selective clearing of 550 square feet of invasive, non-native vegetation within the undelineated portion of Wetland F**
- **Planting of 325 square feet of native riparian vegetation**
- **Installation of 250 square feet of crushed rock trail through Wetland F**

- **Installation of two 8-foot long, 12-inch culverts**

TOAD CREEK: RESTORATION AND ACCESS IMPROVEMENTS

Toad Creek is approximately 600 lineal feet long, runs at a fairly steep gradient down the steep, almost hanging valley, and flows into a low-lying level area where there is an identified wetland, Wetland E. On maps this drainage is unnamed, but was dubbed "Toad Creek" by WDFW project staff. The banks of Toad Creek are covered with invasive species, predominantly Himalayan Blackberry, for nearly the entire length. Restoring the vegetation of the creek would do much to enhance habitat opportunities along this riparian corridor, and significantly enhance the experience of those hiking along the proposed Toad Creek trail.

Site preparation will be conducted to eradicate invasive species within a portion of Toad Creek and its riparian buffer. This would involve clearing blackberry, grubbing to the extent possible, and managing the young blackberry sprouts by mowing and application by spot spraying and cut stem treatment of a permitted and effective herbicide. A grass seed mix will be placed to aid in erosion control. Invasive species control will occur for two to three growing seasons.

The project proposal includes the installation of a solid-decked pedestrian bridge across Toad Creek.

The restoration and access improvements at Toad Creek include:

- **Selective clearing of approximately 30,000 square feet of invasive, non-native vegetation within the stream buffer**

- **Installation of a bridge (approximately 128 square feet)**

TRAIL CONSTRUCTION AND ACCESS IMPROVEMENTS

The project includes a proposed hiking trail connecting the Chelan Hatchery with the scenic areas in the vicinity of Toad Creek, and on top of the adjacent bluff. The portion of the trail along the low-lying part of the site is planned to be ADA accessible. It will include stream crossings as previously mentioned. The portion of the trail that accesses the top of the bluff will have a higher degree of hiking difficulty due to steep terrain. The trail will be designed and built to U.S. Forest Service standards.

The trail project also includes a proposed trail spur from the established trail system on the opposite side of U.S. 97. This trail segment will connect existing trails to an interpretive viewpoint beneath the Beebe Bridge.

At the Chelan Hatchery, access improvements will be implemented that allow visitors the ability to have ADA access from existing parking facilities to the proposed trail system. Improvements include some asphalt paving, striping and directional signage within the existing developed hatchery area.

INTERPRETIVE AND EDUCATIONAL SIGNAGE

The project entails the installation of up to five interpretive or educational signs along the proposed trail system. Post-mounted signs will be located along the proposed trail system at the most beneficial places. Sign content will include information pertaining to wildlife, geology, and human history. This will complement the existing interpretive sign system installed on the opposite side of U.S. 97 during previous phases of the project.

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 proposal is located along U.S. 97 about 2.5 miles southeast of the City of Chelan in Chelan County near the Chelan Fish Hatchery operated by WDFW. It is situated approximately 750 feet west of the Columbia River (Lake Entiat) and upstream from the Beebe Springs Bridge on U.S. 97. The Phase 4a project area is roughly bounded on the east by Highway 97 and on the west by the Highway 150. The project area extends north from the Chelan Fish Hatchery to the north side of Toad Creek, not far from the northern limits of the WDFW-owned property. A minor portion of the project area occurs on the east side of U.S. 97 where the Beebe Bridge (U.S. 97) crosses the Columbia River.

It lies within Section 20, Township 27 North, Range 23 East, W.M. A vicinity map and site plan are attached. A legal description is available from WDFW upon request.

B. ENVIRONMENTAL ELEMENTS

1. **Earth**

a. General description of the site (circle one): **Flat**, **rolling**, hilly, **steep slopes**, mountainous, other . . . . . **(the site is large, so more than one description was chosen)**

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

Generally less than 25% slopes, but some areas up to 45% 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 agricultural soils, specify them and note any prime farmland.

According to the USDA Natural Resources Conservation Service (NRCS) Soil Survey of Chelan County Area, Washington, three soil map units are mapped within the project area. They include Chelan gravelly sandy loam, pumiceous, 3 to 8 percent slopes (CIB), Chelan bouldery sandy loam, 0 to 25 percent slopes (CKD), and Chelan bouldery sandy loam, 25 to 45 percent slopes (CKE).

The Chelan series is comprised of well-drained, moderately coarse textured soils that formed in pumice, volcanic ash, and loess over non-sorted gravelly, cobbly, or bouldery deposits of ablation glacial till. The surface soil layer is gray gravelly sandy loam about 18-inches thick, underlain by dark grayish brown gravelly sandy loam 17-inches thick, underlain by pale brown very gravelly sandy loam that extends to a depth of 60 inches. Runoff is very slow for soils ClB and the hazard of water erosion is none to slight.

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.

Approximately 112 square feet (8 CY) of crushed rock trail surfacing and fill material will be placed in Wetland F for a trail crossing. Two 8-foot long, 12-inch culverts and rock foundation/backfill will be placed across Chinook Spring.

The only wetland fill will be in Wetland F.

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

Yes, some erosion could occur. However, with erosion and sediment control measures in place, it should be minimal.

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

Less than 1% new impervious (mostly trail surfacing and small structures such as viewpoints).

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

Construction Best Management Practices (BMPs), including a Temporary Erosion and Sediment Control Plan will be in place prior to and during construction.

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.

Some emissions could occur from construction vehicles during construction. Some dust could also be generated during construction activities.

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:

Construction activity would be kept to the minimum necessary. Dust control measures, including use of water (sprinkler or truck), will be implemented as needed.

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.

Yes. Beebe Springs Creek and Toad Creek flow through the project area. They enter the Columbia River/Entiat Lake approximately 750 feet downstream from the project area. Two small wetlands also occur on the project area.

(See Jurisdictional Waters Report – Attached).

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 is planned within 200 feet of Beebe Springs Creek, Toad Creek and Wetland F.

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.

Approximately 112 square feet (8 CY) of crushed rock surfacing and fill material will be placed in Wetland F for a trail crossing. Two 8-foot, 12-inch culverts will be placed below the rock trail.

Approximately 50 LF of concrete channel liner will be removed from Beebe Springs Creek.

Woody debris, gravel substrate (approx. 4 CY) and river cobbles (approx. 20 CY) will be placed in approximately 150 LF of Beebe Springs Creek for habitat improvements.

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. Most of the work on Beebe Springs Creek and Toad Creek is within the 100-year floodplain (see Site Plan).

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.

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.

A small amount of surface water runoff may occur from proposed trails and viewpoints. The amount is expected to be inconsequential (clean non-pollution generating) and is expected to infiltrate quickly. Runoff in trail areas is expected to infiltrate.

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:

Erosion and sediment control Best Management Practices (BMPs) will be used to select, implement, maintain, and removal appropriate temporary and permanent erosion and sediment controls during restoration. Contractors will implement and utilize an approved Soil Erosion and Sedimentation Control Plan to prevent accelerated erosion and off-site migration of soil from occurring during construction and restoration efforts. The BMPs include but are not limited to:

Temporary Erosion Control Practices
- **Straw wattles**
- **Stabilized construction entrances**
- **Dust Control**
- **Spill Prevention**
- **Marking Construction Limits and protecting existing vegetation beyond construction limits**

Permanent Erosion and Sediment Control
- **Permanent vegetative plantings and seeding**
- **Protective fencing in place until vegetation established**
- **Maintenance of vegetation, minor erosion that may occur following high rainfall or snow melt.**

4. **Plants**

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

X deciduous tree: alder, maple, aspen, other: **cottonwoods, willows, elm**

___ evergreen tree: fir, cedar, pine, other

X shrubs: **sagebrush, antelope brush, rabbit-brush,** etc.

X grass

___ pasture

___ crop or grain

X wet soil plants: cattail, buttercup, bullrush, skunk cabbage, other: **bigleaf sedge, watercress**

___ water plants: water lily, eelgrass, milfoil, other

X other types of vegetation: (**invasives-blackberries,** etc.)

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

Approximately 30,950 square feet of invasive plants (primarily Himalayan blackberry) will be cleared.

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

Ute ladies' tresses (Threatened) have been observed adjacent to Columbia River, but are not known within the Phase 4a project area.

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

Native riparian vegetation will be planted and/or seeded for habitat enhancement along Beebe Springs Creek, Toad Creek, and Wetland F (Chinook Spring). Upland areas disturbed during construction will be seeded with appropriate shrub steppe vegetation.

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: **shorebirds**, **waterfowl**
mammals: **deer**, elk, other: **rabbits**, **raccoons**, **coyotes**,
fish: **bass**, **salmon**, **trout**, herring, shellfish, other: **steelhead**

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

Steelhead (Threatened) and spring-run Chinook salmon (Endangered) use waters within the project site.

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

Yes. Beebe Springs Creek is a minor migration route for fish and wildlife. The Columbia River is a major migration corridor nearby.

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

Restoration of stream, riparian and other habitats to protect and enhance fish and wildlife species is a primary objective of the project and will occur within and adjacent to Beebe Springs Creek, Toad Creek and seep wetlands onsite. Protective measures for fish and wildlife will be in place prior to construction. A Biological Assessment (see Attached) evaluating effects to listed species has been prepared for the 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.

None needed for Phase 4a.

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:

Energy efficient and recycled materials will be used where feasible in project construction.

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.

Because of previous pesticide use on-site (former orchard), some risk of exposure to pesticide residue in soils would continue.

1) Describe special emergency services that might be required.

If accidents occur during construction or visitor use, emergency services might be needed.

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

The contractor will be required to have health and safety and spill prevention plans in place prior to construction.

b. **Noise**

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

U.S. 97, SR 150, and a railroad are all adjacent to the site.

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 minimal noise from construction activities on-site.

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

Construction vehicles will operate only during approved construction working hours.

8. **Land and shoreline use**

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

Main Phase 4a site: The adjacent properties consist of vacant land and a Park (Chelan County PUD) to the north, U.S. 97, the Beebe Springs Natural Area, and the Columbia River (Lake Entiat) to the east, some residences, Chelan Hatchery, and vacant land to the south, and SR 150 along the western boundary.

Disjunct portion near Columbia River: Beebe Springs Natural Area to north, Columbia River (Lake Entiat) to east, vacant land to south, and U.S. 97 to west.

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

Yes. The field between Beebe Springs Creek and Toad Creek was previously used as an apple orchard.

c. Describe any structures on the site.

Most of the Chelan Hatchery is adjacent to the project site (although there will be some modifications made to the hatchery to accommodate parking and access to the proposed trail). In addition, Beebe Bridge is on the portion of the project area near the Columbia River.

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

The existing bridge over Beebe Springs Creek will be replaced.

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

The current zoning is RP (rural public lands and facilities).

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

The current land use designation is Public Lands and Facilities.

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

The site is designated as rural by Chelan County.

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

Yes. There are wetlands and riparian buffers on-site associated with the Beebe Springs Creek, Toad Creek, Chinook Spring, and the Columbia River.

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

None would reside on-site. There may be 1-8 employees working on-site at various times during the year.

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

None.

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

None needed.

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

The project (Phase 4a and future phases) will be coordinated with Chelan County.

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 needed.

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?

Approximately 10 feet; kiosk made of wood.

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 needed. The project will improve viewing opportunities and the aesthetics of the views from Highway 97.

11. **Light and glare**

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

There may be a small amount of light and glare from vehicles on-site during maintenance activities.

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:

The site would be open to the public only during daylight hours, and maintenance activity will be kept to a minimum.

12. **Recreation**

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

Boating, fishing, wildlife viewing, hatchery viewing, and nearby park (Chelan County PUD).

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:

The proposed design will result in enhanced recreation opportunities.

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.

Yes. Site 45CH216 encompasses the site and was determined to be eligible for listing on the National Register of Historic Places. A Traditional Cultural Property listing is yet undetermined.

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

Previously, Cultural Resource Reports (2005, 2007, 2010) noted artifacts of archaeological and cultural importance in the vicinity. The Section 106 Consultation that began in Phase 2 is continuing for Phase 4a.

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

A survey report will be completed for the Phase 4a work. If any features are discovered, mitigation measures will be included in the report. Archaeological monitoring will occur during the construction phase, and if cultural resources are uncovered, work will stop and the appropriate agencies and tribes will be notified.

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 site is served by U.S. 97 and SR 150.

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

No. The nearest transit is in Chelan, a few miles away.

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

Up to 20 parking spaces at the trailhead on the top of the bluff, which is currently an existing informal parking area. The surface will be gravel. At the Chelan Hatchery, no additional area will be paved or graveled. However the existing parking area will be re-striped to accommodate up to 10 vehicles for visitor parking.

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.

The site is in the vicinity of the Columbia River (Lake Entiat) and the Columbia River Railroad Line. The project will not use rail, water, or air transportation.

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

Estimated approximately 20 vehicular trips per day. Peak volumes in the summertime will vary during the day.

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

None needed.

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.

There may be a small increased need for emergency services noted above.

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

Need is low. Any anticipated specific service need will be coordinated with surrounding service providers.

16. **Utilities**

a. Circle 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 are proposed at this time.

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: February 17, 2012