CASCADE WATER ALLIANCE

DETERMINATION OF NONSIGNIFICANCE
LAKE TAPPS RESERVIOR
FLOWLINE OUTAGE PROJECT

DESCRIPTION OF PROPOSAL: Assessment, maintenance, and replacement of various features in the Lake Tapps Reservoir Flowline. See attached Project Description.

PROPONENT AND LEAD AGENCY: Cascade Water Alliance

LOCATION OF PROPOSAL, INCLUDING STREET ADDRESS, IF ANY: Includes the Lake Tapps Reservoir located in northern Pierce County, Washington, approximately 30 miles southeast of Seattle and 18 miles east of Tacoma in Section 2, Township 19 North, Range 6 East. The reservoir is supplied with water by the diversion facilities that include a diversion dam and intake, approximately 7.5 miles of flume, canal, dikes, basins, fish screens and pipes (collectively referred to as the Flowline). See attached General Project Map.

THRESHOLD DETERMINATION: The lead agency for this proposal has determined that it does not have a probable significant adverse impact on the environment. An environmental impact statement (EIS) is not required under RCW 43.21C.030 (2)(c). This decision was made after review of a completed environmental checklist and other information on file with the lead agency. This information is available to the public on request.

☐ There is no comment period for this DNS.

☐ This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS.

☒ This DNS is issued under WAC 197-11-340(2); the lead agency will not act on this proposal for 14 days from the date of signature below. Comments must be submitted by July 16, 2014.

☒ There is no agency appeal.

RESPONSIBLE OFFICIAL: Michael A. Gagliardo

POSITION/TITLE: Director of Planning, Phone: 425-453-0930

ADDRESS: 520 112th Ave NE, Suite 400, Bellevue, WA 98004

Date: July 2, 2014

Michael A. Gagliardo, Director of Planning, Cascade Water Alliance

51796-1

ENVIRONMENTAL CHECKLIST
2014 FLOWLINE OUTAGE

A. BACKGROUND [HELP]

1. Name of proposed project, if applicable: [help]

   Cascade Water Alliance 2014 Flowline Outage ("Flowline Outage")

2. Name of applicant: [help]

   Cascade Water Alliance

3. Address and phone number of applicant and contact person: [help]

   520 112th Ave NE, Suite 400
   Bellevue, WA 98004
   Phone: (425) 453-0930

   Attn: Michael Gagliardo, Director of Planning

4. Date checklist prepared: [help]

   June 27, 2014

5. Agency requesting checklist: [help]

   Cascade Water Alliance

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

   Cascade plans to begin the Flowline Outage in mid-late July, 2014 and anticipates completion by April 2015.

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

   At some future date, Cascade will again conduct a similar Flowline Outage. Failure to address the accumulation of sediment and maintenance issues would ultimately render the Flowline unusable.

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

Technical Memorandum for Wetlands, dated April 11, 2014 by HDR
Stormwater Management Plan, dated June 27, 2014 by HDR
Temporary Erosion & Sediment Control Plan, dated June 2014 by HDR

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. [help]

Commencing in July as occurs annually, maintenance and repair work at the White River Barrier Dam and headworks will be undertaken on behalf of and under approvals obtained and confirmed by the United States Army Corps of Engineers.

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

Washington State Fish and Wildlife –Scientific Collection Permit
Washington State Department of Ecology – NPDES for flume replacement construction
City of Buckley – Land Disturbing Permit, Building Permit and Right-of-Way Use Permit

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.) [help]

The Lake Tapps Reservoir is located in northern Pierce County, Washington, approximately 30 miles southeast of Seattle and 18 miles east of Tacoma in Section 2, Township 19 North, Range 6 East. The reservoir is supplied with water by the diversion facilities that include a diversion dam and intake located on the White River in Buckley, approximately 7.5 miles of flume, canal, dikes, basins, fish screens and pipes (collectively referred to as the Flowline).

Cascade's 2014 Flowline Outage includes the assessment, maintenance, and replacement of various features in the Flowline, including removal of sediment, replacement of the wooden flume with a cast-in-place concrete flume, maintenance of the canal and basins, and other work associated with these activities.

While other maintenance has been performed in the past on the wooden flume, these maintenance activities were limited and the condition of the flume has degraded since then resulting in the need to replace the wooden structure. Should the flume actually fail, this would also create a high potential for fish stranding and mortality.

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. [help]

The Lake Tapps Reservoir is located in northern Pierce County, Washington, approximately 30 miles southeast of Seattle and 18 miles east of Tacoma in Section 2, Township 19 North, Range 6 East. *See* attached vicinity and location map.

B. ENVIRONMENTAL ELEMENTS [help]

1. Earth

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

The reservoir is a managed lake supplied with water by the diversion facilities on the White River that include a diversion dam and intake, approximately 7.5 miles of flume, canal, dikes, basins, fish screens and pipes. The topography is the area of the 2014 Flowline Outage work is generally flat to rolling.

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

There are some sloped areas adjacent to the basins and in the sediment storage area. The slope of the stockpile area will not be greater than 3H:1V.

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 agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils. [help]

Nearly level, poorly drained soils that formed in the Osceola mudflows; on uplands. Alderwood gravelly sandy loam, Buckley loam, Indianola loamy sand, Kapowsin gravelly loam, Pilchuck fine sand, Puyallup fine sandy loam, Greenwater loamy sand, Aquic erofluvents, and Semiahmoo muck (USDA, 1979).

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

No.

e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill. [help]

Approximately 155,700 to 216,000 cubic yards of sediment will be removed from various locations within the Flowline. This material will be stockpiled, with some of the material used for construction fill. The flume construction fill is estimated to be approx. 26,000 to 29,000 cubic yards. Fill associated with raising the existing road adjacent to the Wolslagel Basin sediment pond is estimated at 1,200 cubic yards.

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

Based on weather conditions, minor localized erosion could occur during construction.

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

No new impervious surfaces will occur as a result of this project.

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

The June 2014 Temporary Erosion & Sediment Control Plan described 12 TESC elements that will be implemented as identified in the 2005 Stormwater Management Manual for Western Washington.

2. Air

a. What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known. [help]

Emissions and dust from construction vehicles would occur during the sediment removal and construction of the new flume.

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

None.

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

A water truck will be employed if there is excessive dust during site development or building construction activities.

3. **Water**

a. Surface Water: [help]

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. [help]

Yes. The Flowline include the waters in Wolslegal Basin, Dingle Basin and Prinz Basin. Two wetlands and a pond are located near the wooden flume that will be removed and replaced with a cast-in-place concrete flume. See the Technical Memorandum for Wetlands, dated April 11, 2014 by HDR.

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. [help]

Yes, to accomplish the maintenance and replacement activities, the diversion of water from the White River will be temporarily terminated and the Flowline will be dewatered. Dewatering of the Flowline will occur as set out in Section 4) below. The existing staging areas adjacent to the wetlands will also be utilized during construction.

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. [help]

No fill in the basins or wetlands is proposed. An estimated 150,000 to 200,000 cubic yards of sediment will be removed from the basins. Sediments will be removed by a variety of methods and could include removal by vactor truck, dragline, track hoes, dozer, and by manual means.

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

Dewatering of the Flowline will occur as follows:

- Head Gate seepage water will drain through Rock Chute 1 and back into the White River.
- Any remaining Flowline water will drain through Rock Chute 2, by placing sand bags in the concrete flume immediately west of where the rock chute connects to the flume.
- Flowline water will drain through the Fish Screen Bypass Pipeline, located immediately downstream of Dingle Basin and back into the White River.
- Flowline water will drain through the six-foot valve located in Wolslegal Basin and back into the White River.
- Flowline water will drain through the Fish Recovery Pond Outlet Structure, located in Dingle
- Basin, and back into the White River.
- Flowline water will drain through the Twin Pipelines and into Lake Tapps.
- Flowline water will be pumped out of the Twin Pipeline Intake Structure located at the upstream end of the Twin Pipelines into the adjacent County drainage ditch which flows into Lake Tapps.

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

No.

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

No discharge of waste materials will occur as a result of this project. During dewatering of the Flowline, water quality monitoring will be performed to ensure compliance with Department of Ecology water quality standards for turbidity.

b. Ground Water:

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. [help]

No ground water will be withdrawn as a result of this project.

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. [help]

No waste material will be discharged into the ground as a result of this project.

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. [help]

Based on weather conditions, stormwater runoff will occur. During and after construction, the project will maintain the natural discharge patterns and existing discharge locations (e.g. Rock Chute 2).

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

No waste materials should enter ground or surface waters as a result of this project.

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

No.

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

On-site stormwater management BMPs will be incorporated to reduce the risk of casing downstream flooding and impacts from erosion. The volume and flow rate of stormwater leaving the site is not anticipated to increase due to the proposed works. *See* Stormwater Management

Plan, dated June 2014 by HDR and Temporary Erosion & Sediment Control Plan, dated June 2014 by HDR

4. **Plants** [help]

a. Check the types of vegetation found on the site: [help]

__x__deciduous tree: alder, maple, aspen, other
__x__evergreen tree: fir, cedar, pine, other
__x__shrubs
__x__grass
____pasture
____crop or grain
____ Orchards, vineyards or other permanent crops.
__x__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? [help]

Removal of vegetation that has grown since the last maintenance will be removed, including Ramsey Ragwort which is mowed and pulled on the site.

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

None known.

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

Existing construction limit fencing will be maintained or reinstalled and new construction fencing will be installed to ensure that the construction area is limited to areas that have been previously disturbed.

e. List all noxious weeds and invasive species known to be on or near the site.

Ramsey Ragwort which is mowed and pulled on the site.

5. **Animals**

a. List any birds and other animals which have been observed on or near the site or are known to be on or near the site. Examples include: [help]

birds: hawk, heron, eagle, songbirds., other: ____
mammals: deer, bear, elk, beaver, other: _____
fish: bass, salmon, trout, herring, other bull trout

b. List any threatened and endangered species known to be on or near the site. [help]

Chinook Salmon; Bull Trout; and Steelhead in the White River and those that inadvertently enter the Flowline are returned to the White River via the Fish Screen.

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

The site is located within the Pacific Flyway migratory bird route, which extends the length of coastal North America.

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

A significant fish recovery effort will be accomplished, the goal of which is to collect, transport and return fish (present in the Flowline at the time of dewatering) safely back to the White River. The fish recovery methods to be utilized are anticipated to be similar to the 2010 Fish Recovery Plan that was prepared and utilized in consultation with the National Marine Fisheries Service, the United States Fish and Wildlife Service, the Puyallup Tribe of Indian, the Muckleshoot Indian Tribe, and the Washington Department of Fish and Wildlife.

e. List any invasive animal species known to be on or near the site.

None known.

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. [help]

None.

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

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: [help]

N/A

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. [help]

No environmental health hazards should occur as a result of this project.

1) Describe any known or possible contamination at the site from present or past uses.

Portions of the wooden flume being replaced were constructed with wood treated with preservatives. The treated wood will be removed from the site and disposed at an approved disposal facility. An environmental investigation was completed at the flume replacement site which found no contaminates at levels of concern under applicable environmental laws in the soil to be affected by the project.

2) Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.
None.

3) Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

Toxic or hazardous chemicals will not be stored, used, or produced during this project other than fuels and lubricants utilized in standard construction equipment that will be used for the project.

4) Describe special emergency services that might be required.

None.

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

The treated wood from the wooden flume section being replaced will be removed from the site and disposed at an approved disposal facility.

b. **Noise**

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

None.

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

Some noise will occur as sediments will be removed by a variety of methods and could include: removal by vactor truck, dragline, track hoes, dozer, and by manual means. Noise will also occur from construction vehicles and construction of the cast-in-place concrete flume.

The noise levels created by the project will be a short-term basis and will occur during the hours 7:00 a.m. to 7:00 p.m.

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

The project is short term and noise associated with construction are not anticipated to be at levels of concern due to the isolation of the site.

8. **Land and shoreline use**

a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. [help]

Lake Tapps Reservoir Project and adjacent Flowline are to be developed and operated as a source of municipal water supply for its members and the region. This project will affect current land uses on nearby or adjacent properties.

b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use? [help]

The project site is not working farmlands or working forest lands.

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

Various parcels adjacent to the Flowline have been used for agricultural purposes, but would be unaffected as a result of this project. The project will not be affected by surrounding agricultural uses.

c. Describe any structures on the site. [help]

Fish screen and adjacent operation building and Flowline, which consists of the following structures: wooden flume, concrete canal, an unlined canal and two large-diameter concrete pipes.

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

The existing wooden flume will be demolished.

e. What is the current zoning classification of the site? [help]

Sensitive "S" and Public "P" (City of Buckley); Rural 10 and Agricultural Resource Land (Pierce County)

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

S- Sensitive and P- Public/Institutional (City of Buckley); R10 - Rural 10, and ARL - Agricultural Resource Land (Pierce County

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

No project work is proposed in shoreline jurisdiction.

h. Has any part of the site been classified as a critical area by the city or county? If so, specify. [help]

Two wetlands are located in the vicinity of the wooden flume. *See* Technical Memorandum for Wetlands, dated April 11, 2014 by HDR

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

None.

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

None.

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

None necessary

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

None necessary. The Flowline is an existing facility that is being maintained, repaired and partially replaced (new concrete flume).

m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

None necessary. The Flowline is an existing facility that is being maintained, repaired and partially replaced (new concrete flume).

9. **Housing**

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. [help]

N/A

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. [help]

N/A

c. Proposed measures to reduce or control housing impacts, if any: [help]

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? [help]

The new concrete flume will be 9 feet high, which is the same height as the existing wood flume.

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

None.

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

None necessary.

11. **Light and glare**

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

None.

b. Could light or glare from the finished project be a safety hazard or interfere with views? [help]

None.

c. What existing off-site sources of light or glare may affect your proposal? [help]

None.

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

12. **Recreation**

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

Recreational use is seasonal and includes water sports, boating, picnicking, fishing and golf. There are several private and county parks located in the Lake Tapps Reservoir Project area.

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

The project is not anticipated to substantially impact recreational water levels at Lake Tapps during the defined recreational season provided in the Lake Tapps Management Agreement between Cascade and the Lake Tapps Homeowners. During construction of the flume and sediment removal work, North River Bridge will be utilized for construction access.

c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: [help]

A safe pedestrian access across the North River Bridge to the City's trail system will be maintained during construction.

13. **Historic and cultural preservation**

a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe. [help]

There are no listed buildings, structures or sites located on or near the site. In November 1983, Puget Sound Power and Light (prior owner) submitted a cultural resource assessment to FERC as part of a license application. Subsequently, FERC and SHPO concurred that the White River Project systems was eligible for the National Register of Historical Places and the entire White River Project was recorded by the National Park Service Historic American Engineering Record staff and file with the Library of Congress. In 1995, during replacement of the fish screens west of Dingle Basin, an archaeologist monitored construction, including vegetation clearing. No cultural features were observed during construction.

b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. [help]

None that are known.

c. Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc. [help]

See response to 13a. above. Other prior correspondence and MOAs with the affected tribes and SHPO were also reviewed to assess potential impacts.

d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

The wooden flume that will be replaced has been previously documented (see 13a. above) and has been repaired and rebuilt throughout the life of the structure. In the event that archaeological

resources are uncovered during excavation for the new cast-in-place concrete flume, work will be halted in the vicinity and the Department of Archaeology and Historic Preservation (DAHP), Puyallup Tribe and Muckleshoot Tribe will be contacted.

14. **Transportation**

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. [help]

The Flowline will be accessed at various existing maintenance points along the Flowline. Construction traffic will access the flowline from Highway 410 and City street, including temporary use of the North River Bridge.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop? [help]

Not applicable. No public transit is necessary or will be affected by this project.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? [help]

None, this project will not generate a need for nor eliminate any parking spaces.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private). [help]

This project will not generate a need for new roads or streets or improvements to existing roads or streets.

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

No.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and nonpassenger vehicles). What data or transportation models were used to make these estimates? [help]

The completed project will generate no vehicular trips.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No. This project will not interfere with, affect or be affected by the movement of agricultural and forest products.

h. Proposed measures to reduce or control transportation impacts, if any: [help]

A construction traffic control plan will be prepare and implemented. Use of the North River Bridge will include a condition assessment to confirm the bridge is suitable for the anticipated use and loads associated with the construction project.

15. **Public services**

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

No, this project would not result in increased need for public services.

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

No proposed measures are necessary for this project.

16. **Utilities**

a. Circle utilities currently available at the site: [help]
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. [help]

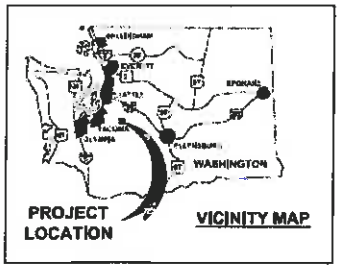
None.

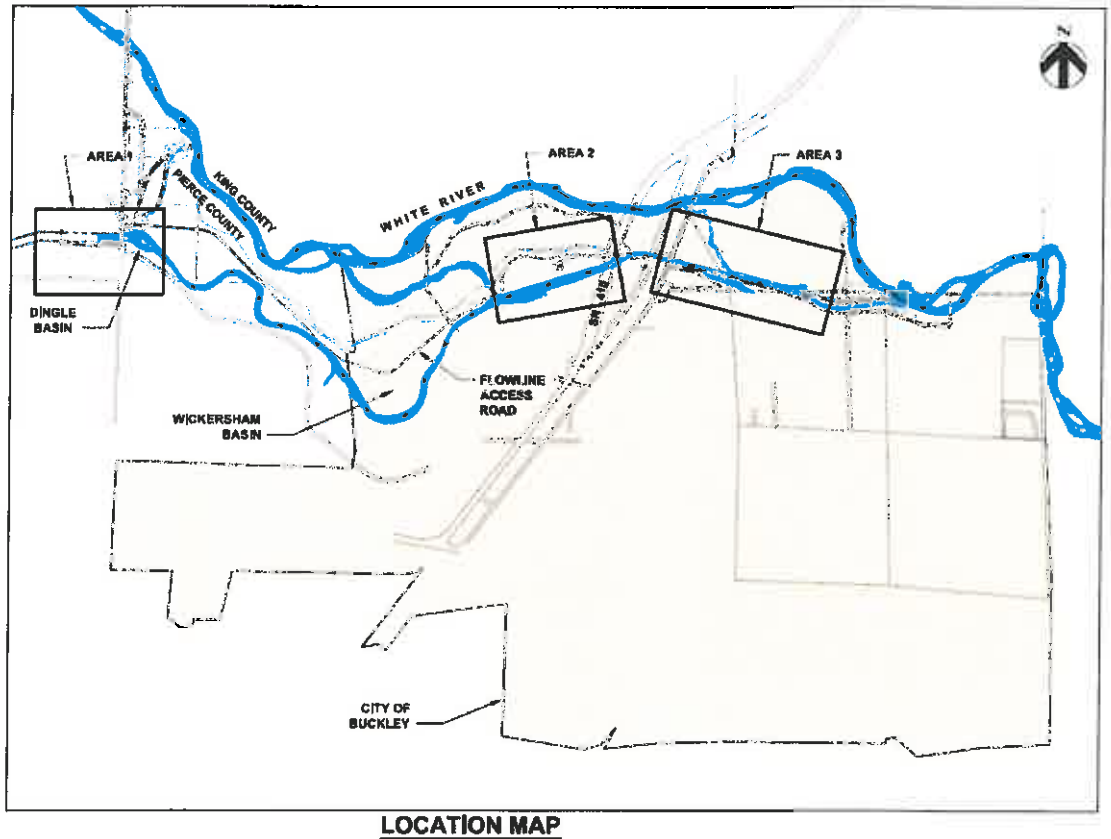
C. SIGNATURE

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.

Michael Gagliardo, Director of Planning, Cascade Water Alliance

July 2, 2014





LOCATION MAP