

SEPA ENVIRONMENTAL CHECKLIST

JUNE 2015

Purpose of checklist:

Governmental agencies use this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions for applicants:

This environmental checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully, to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may use "not applicable" or "does not apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies reports. Complete and accurate answers to these questions often avoid delays with the SEPA process as well as later in the decision-making process.

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.

Instructions for Lead Agencies:

Please adjust the format of this template as needed. Additional information may be necessary to evaluate the existing environment, all interrelated aspects of the proposal and an analysis of adverse impacts. The checklist is considered the first but not necessarily the only source of information needed to make an adequate threshold determination. Once a threshold determination is made, the lead agency is responsible for the completeness and accuracy of the checklist and other supporting documents.

Use of checklist for nonproject proposals: [\[help\]](#)

For nonproject proposals (such as ordinances, regulations, plans and programs), complete the applicable parts of sections A and B plus the [SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS \(part D\)](#). Please completely answer all questions that apply and note that the words "project," "applicant," and "property or site" should be read as "proposal," "proponent," and "affected geographic area," respectively. The lead agency may exclude (for non-projects) questions in Part B - Environmental Elements –that do not contribute meaningfully to the analysis of the proposal.

A. Background [\[help\]](#)

1. Name of proposed project, if applicable: **Wenner Lake/Benson Creek Irrigation Repair**
2. Name of applicant: **Benson Creek Irrigation Water Users Association (BCIWUA)**
3. Address and phone number of applicant and contact person: **Jerome Thiel 509-341-4440
102 Benson Creek Dr, Twisp WA 98856**
4. Date checklist prepared: **May 26, 2016**

5. Agency requesting checklist: **WDFW**
6. Proposed timing or schedule (including phasing, if applicable): **6/1/2016 – 12/31/2016**
7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain. **Yes, additional work may be required on Lake #5's spillway, if funding is available. Repair the drawdown valve on lake #4**
8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. **None known at this time**
9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain. **No, we do not know of any pending govt approvals.**
10. List any government approvals or permits that will be needed for your proposal, if known. **WDFW HPA permit for excavation work around wetlands**
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.) **#1-Repair main irrigation pipe from Settling Pond to Weir Box (approx. 1500 ft); digging to find old pipe for repair or replacement & covering back. #2-Reestablish a "as was built" settling pond at same site location, removing sediment and debris that filled the pond as a result of the 2014 flood. #3-Repairing the spillway at Lake #5. #4-Locate and clear the outflow opening of the draw down pipe on Lake #4.**
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. **Wenner Lake #5 (accessed off Benson Creek Dr) Twp 33, Rge 23 Sec 30 and Sec 31 to weir box located at 275 Benson Creek Dr, Twisp WA – NW NW NW NE E2 SE NW N/RD 6-32-23** Okanogan County

B. ENVIRONMENTAL ELEMENTS [\[help\]](#)

1. **Earth** [\[help\]](#)
 - a. General description of the site: **Lower Finley Canyon is a mixture of pine and shrub disciduous trees. Much of the area suffered fire and heavy flood damage in Aug of 2014 so it's over grown with weeds and littered with debris**

(circle one) **Flat**, rolling, hilly, steep slopes, mountainous, other ___slight slope to the south__

- b. What is the steepest slope on the site (approximate percent slope)?
Rather minimal. Maybe 10' over the 1.5 mile length of our project [\[help\]](#)
- 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. **Sand, gravel, large rock.**
- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. Yes, **the area has erosion and debris associated with 2014 mud slide**
- 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. **#1-Repair underground mainline pipe from Settling Pond to Weir Box (approx. 1500 ft); digging to find old pipe for repair or replacement & covering back. #2-Reestablish settling pond at old site location, approximately a 2500sq ft area. Sediment and debris that filled the pond will be used as bank material as well as large rocks found in the vicinity. #3-Locate draw down tube outlet at Lake #4, this will require clearing the short ditch from the end of pipe to Benson Creek.**
- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. **Our plan is to do this work in late summer when creek flows will be dry or at very low levels. If needed we will divert creek around build site with small plastic culvert.**
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? **None**
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any: **Work during low water period and plastic culvert to divert water away from work area.**

2. Air [\[help\]](#)

- 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. **Tractor emission, some soil dust.**
- 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 [\[help\]](#)

a. Surface Water:

- 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. **North Fork of Benson Creek flows to Methow River**
- 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 of the above – see attached.**

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. **Dredging of Settling pond to original capacity. Amount estimated at 50 yards of soil, but this soil will be use to berm around pond.**

4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. **Possibly, we are planning to perform this work when creek flows will be very low or dry. If some water is still in Benson Creek we will divert around work site with temporary plastic culvert.**

5) Does the proposal lie within a 100-year floodplain? If so, note location on the site plan. **Not certain, but the area suffered major flooding in August of 2014 from Carlton Complex Fire.**

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 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. **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. **None**

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. **None**

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

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: **None**

4. **Plants** [\[help\]](#)

a. Check the types of vegetation found on the site: [\[help\]](#)

_____deciduous tree: alder, maple, aspen, other

- evergreen tree: fir, cedar, pine, other
- shrubs
- grass
- pasture
- crop or grain
- Orchards, vineyards or other permanent crops.
- 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? **As little as possible, alfalfa, grasses, weeds, small pine, shrubs**
- c. List threatened and endangered species known to be on or near the site. **None**
- d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any: **Okanogan Conservation District will supply grass mix to seed disturbed area and we will have water to irrigate via ditch pump.**
- e. List all noxious weeds and invasive species known to be on or near the site. **Unsure of all types, but the area does have significant weed issues. Mustard and Barnaby are visible**

5. Animals [\[help\]](#)

- 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. Robin, deer, hawk, coyote,

Examples include:

- birds: hawk, heron, eagle, songbirds, other:
- mammals: deer, bear, elk, beaver, other:
- fish: bass, salmon, trout, herring, shellfish, other _____

- b. List any threatened and endangered species known to be on or near the site. **None**
- c. Is the site part of a migration route? If so, explain. **Unknown**
- d. Proposed measures to preserve or enhance wildlife, if any: **Brief & limited disruption to property**
- e. List any invasive animal species known to be on or near the site. **Unknown**

6. Energy and Natural Resources [\[help\]](#)

- 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. **diesel/tractor fuel**
- 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** [\[help\]](#)

- 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. **Excavation equipment or gravel truck leaking fuel.**
- 1) Describe any known or possible contamination at the site from present or past uses.
None
 - 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. **None**
 - 4) Describe special emergency services that might be required. **None**
 - 5) Proposed measures to reduce or control environmental health hazards, if any: **None**

b. Noise [\[help\]](#)

- 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 a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site. **Tractor noise while operating and truck traffic: 8am – 5pm**
- 3) Proposed measures to reduce or control noise impacts, if any: **None**

8. **Land and Shoreline Use** [\[help\]](#)

- 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. **Private homes & pasture**
- 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? **Pasture will be restored if disturbed**
- 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: **No**

- c. Describe any structures on the site. **No buildings or dwellings are near the project area.**
- d. Will any structures be demolished? If so, what? : **None**
- e. What is the current zoning classification of the site? The settling pond is under conservancy easement management and the pipe is on farm land.
- f. What is the current comprehensive plan designation of the site? **N/A**
- g. If applicable, what is the current shoreline master program designation of the site? **N/A**
- h. Has any part of the site been classified as a critical area by the city or county? If so, specify. **N/A**
- i. Approximately how many people would reside or work in the completed project? **None**
- j. Approximately how many people would the completed project displace? **None**
- k. Proposed measures to avoid or reduce displacement impacts, if any: **None**
- L. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: **We will only replace infrastructure as it was. No expansions to size or path.**
- m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any: **None, See L**

9. **Housing** [\[help\]](#)

- 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** [\[help\]](#)

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed? **None**
- b. What views in the immediate vicinity would be altered or obstructed? **None**
- b. Proposed measures to reduce or control aesthetic impacts, if any: **None**

11. **Light and Glare** [\[help\]](#)

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? **None, We will operate during daylight hours only.**
- b. Could light or glare from the finished project be a safety hazard or interfere with views? **None**
- 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** [\[help\]](#)

- a. What designated and informal recreational opportunities are in the immediate vicinity? **None**
- b. Would the proposed project displace any existing recreational uses? If so, describe. **None**
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any: **None**

13. **Historic and cultural preservation** [\[help\]](#)

- 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. **There are no eligible buildings, structures or sites located on the project site. The irrigation reservoir, dam and associated infrastructure was installed around 1905 and the proposed work will not change in size or location. Given the nature of the landform and the current conditions of the project site, there is very little chance the intact, eligible archaeological sites would be present.**
- 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. **The project proponent is not aware of any landmarks, features or other evidence of Indian or historic use or occupation, however given the nature of the landform and current conditions of the project site, there is very little chance that intact, eligible archaeological sites would be present.**
- 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. **No consultation with tribes or the department of archaeology has been conducted. The project is confined to previously disturbed areas and all ground disturbance will be taking place in areas previously disturbed.**
- 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. **We will be mindful to minimize work outside immediate and necessary project areas. Our contractor has many, many years of experience working on large projects and working**

in and around sensitive locations. The Benson Creek Irrigation group will work with DAHP to develop an inadvertent discovery plan, should one be needed.

14. Transportation [\[help\]](#)

- 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. **Private road off Benson Creek Dr, Twisp WA**

- 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? **No**

- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? **None**

- 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). **None**
- e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. **None**
- 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? **Fairly minimal. A few truck loads of rock if we cannot find enough material in the immediate area, we will need a delivery of cement and a delivery truck to drop off 1500' of pipe. A small crew of two or three contractors will be used and the work location is in a remote area off of Benson Creek Rd.. Future lake #5 spill way repair project may require numerous truck loads of riprap if not enough material can be found near the site.**
- 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. **None**
- h. Proposed measures to reduce or control transportation impacts, if any: **None**

15. **Public Services** [\[help\]](#)

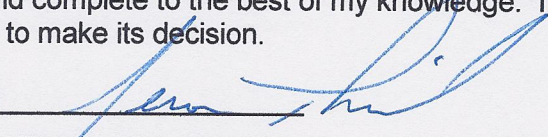
- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe. **None**
- b. Proposed measures to reduce or control direct impacts on public services, if any. **None**

16. **Utilities** [\[help\]](#)

- a. Circle utilities currently available at the site: **None**
 electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other _____
- c. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed. **None**

C. Signature [\[help\]](#)

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: Jerome Thiel  9-16-2016
 Name of signee Jerome Thiel 509-341-4440
 Position and Agency/Organization BCIWUA President
 Date Submitted: 6-23-2016