

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:

Reecer Ck Channelization repair

2. Name of applicant: Edward Lulofs, Natalie Brown

3. Address and phone number of applicant and contact person: 13041 Reecer Ck Rd, Ellensburg, WA 98926, 509-962-9606, 509-306-0946

4. Date checklist prepared: December 21, 2009

5. Agency requesting checklist: DFW

6. Proposed timing or schedule (including phasing, if applicable): We expect the project to take one day of machine work.

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

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

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

State Environmental Policy Act (SEPA)

Washington Department of Fish and Wildlife: Hydraulic Project Approval (HPA)

Washington Department of Ecology: Section 401 Water Quality Certification

United States Department of the Army permits (U.S. Army Corps of Engineers): Section 404 (discharges into waters of the U.S.)

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 January 2009 rain-on-snow flood event caused a lot of erosion and subsequent deposition in the Reecer Creek channel in the northwest corner of our property and the property immediately upstream. At two locations in the channel, the flood-related bed load has filled up the channel to the extent that the channel is no longer clearly defined. Normal spring flows now spread over a wide area, including our hay fields.

The proposal is to re-define the creek channel through the two areas of deposition. A trackhoe would be used to dredge gravel and cobble from the streambed in these two locations to re-create a 2-stage channel with sufficient size to carry the normal spring runoff (bankfull flow) and an smaller inner channel to maintain some water depth at summer low flow.

Excavation would be limited to the cobble/gravel filled channel area. There would be no excavation in vegetated wetlands. Excavated material would be placed in small piles (5-10 yards) spaced irregularly along the banks, with gaps along each pile. This material would be piled in a manner that does NOT prevent flood flows from spreading out on the natural floodplain.

During and following the channel excavation, cuttings and transplants of willows would be planted along the stream bank. The willows would be taken from the riparian areas on our property.

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 section, township, and range for the project location.			
¼ Section	Section	Township	Range
NE	28	19N	18E
the latitude and longitude of the project location.			
47.11447 N lat. / 120.59119 W long			
5f. List the tax parcel number(s) for the project location.			
b. The local county assessor's office can provide this information.			
11492 19-18-28-0020			

TO BE COMPLETED BY APPLICANT

EVALUATION FOR
AGENCY USE ONLY

B. ENVIRONMENTAL ELEMENTS

1. Earth

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

b. What is the steepest slope on the site (approximate percent slope)? 2% 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.

Kittitas County Area, Washington

820 Modsel complex, 0 to 5 percent slopes
Mean annual precipitation: 12 to 15 inches
Mean annual temperature: 46 to 50 degrees F
Frost-free period: 130 to 150 days
Farmland class: Prime farmland if irrigated

Modsel and similar soils
Extent: about 50 percent of the unit
Landform(s): alluvial fans
Slope gradient: 0 to 5 percent
Parent material: alluvium with an influence of volcanic ash in the upper part

Prime farmland if irrigated

- 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.

150 cubic yards of rocks moved from stream bed to sides to form new banks.

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

Damage to cropland and subsequent erosion is possible if work is done after spring melt. The work will be done in the fall when land is firm and dry or in the winter when the land is frozen to minimize damage to our fields.

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

0%

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

The work will be done in the fall when land is firm and dry or in the winter when the land is frozen to minimize damage to our fields.

- a. 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.

Negligible

- 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:
The work will be done in the fall when land is firm and dry or in the winter when the land is frozen

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.

Year around Reecer creek drains to Yakima 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.

150 cubic yards of rock debris will be moved using a track hoe from the stream bed to the sides to form new stream banks.

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.

150 cubic yards

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

Any stream flow during construction will be diverted by being piped around during work.

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

No. There is no mapped FEMA floodplain, however the land has gentle slopes and the current Reecer Creek channel has a natural, geomorphic floodplain within the context of the large alluvial fan.

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.

None is expected. If sediment is a problem, a sediment barrier will be constructed downstream.

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

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

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

A sediment barrier will be constructed if needed.

4. Plants

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

- _____ deciduous tree: alder, maple, aspen, other
- _____ evergreen tree: fir, cedar, pine, other
- willow shrubs
- _____ grass
- grass hay pasture
- _____ crop or grain
- _____ 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?

See the Powerpoint pictures illustrating the work. Some willow shrubs will be moved. Some willow cuttings will be planted for stabilization.

c. List threatened or 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:

Some willow shrubs will be moved, and some willow cuttings will be planted for stabilization.

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**
- 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. --none

Irrigation diversion dams and culverts in Reecer Creek downstream of this site are barriers that prevent the upstream migration of anadromous fish (salmon and steelhead). Bull trout are not known to be present in Reecer Creek.

- c. Is the site part of a migration route? If so, explain. no
- d. Proposed measures to preserve or enhance wildlife, if any: The stream bank stabilization will enhance wildlife usage.

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. -- no power needed
- b. Would your project affect the potential use of solar energy by adjacent properties?
If so, generally describe. Stream bank stabilization would enhance any further development, although none is planned.
- 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:

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. no

1) Describe special emergency services that might be required.

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

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? --For the one day of work, with the nearest house ¼ mile away, no one will hear any noise.

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. Delivery and removal of the track hoe is not expected to impact the light traffic of one or two vehicles per hour that typically use that section of Reecer Creek road. An alternate road is available for traffic.

3) Proposed measures to reduce or control noise impacts, if any:
none needed

8. Land and shoreline use

a. What is the current use of the site and adjacent properties?
Grazing and grass hay production

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

Lulofs grows grass hay on part of the project area. Up to 1/4 of the field can not be used for production until the project is completed.

c. Describe any structures on the site. --none

d. Will any structures be demolished? If so, what? --no

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

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

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

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? none

j. Approximately how many people would the completed project displace? --none

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

1. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any: Some land can't be used with the existing and projected land use until the project is completed.

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:

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? No structure

- b. What views in the immediate vicinity would be altered or obstructed? -- none

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

11. Light and glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur? --none

- 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:

12. Recreation

- 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.

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

13. Historic and cultural preservation

- a. Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe. --no

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

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

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. Reecer Creek road is ¼ mile away from the project. See the JARPA HPA form description and the Pwoerpoint pictures of the project.

- b. Is site currently served by public transit? If not, what is the approximate distance to the nearest transit stop? -- 10 miles

- c. How many parking spaces would the completed project have? How many would the project eliminate? -- none

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private). -- no

- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. --no

- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur. One day of construction, then no traffic when completed.

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

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.

16. Utilities

- a. Circle utilities currently available at the site: electricity, natural gas, water, refuse service, telephone, sanitary sewer, septic system, other. -- none

- 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.

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.

Edward Zuloaga
Signature:

Date Submitted: 12-21-09

D. SUPPLEMENTAL SHEET FOR NONPROJECT ACTIONS

(do not use this sheet for project actions)

Because these questions are very general, it may be helpful to read them in conjunction with the list of the elements of the environment.

When answering these questions, be aware of the extent the proposal, or the types of activities likely to result from the proposal, would affect the item at a greater intensity or at a faster rate than if the proposal were not implemented. Respond briefly and in general terms.

1. How would the proposal be likely to increase discharge to water; emissions to air; production, storage, or release of toxic or hazardous substances; or production of noise? -- none

Proposed measures to avoid or reduce such increases are:

2. How would the proposal be likely to affect plants, animals, fish, or marine life? By stabilizing the stream, a positive affect is expected on plants, animals, and fish(if any fish are there).

Proposed measures to protect or conserve plants, animals, fish, or marine life are:

3. How would the proposal be likely to deplete energy or natural resources? --none

Proposed measures to protect or conserve energy and natural resources are:

4. How would the proposal be likely to use or affect environmentally sensitive areas or areas designated (or eligible or under study) for governmental protection; such as parks, wilderness, wild and scenic rivers, threatened or endangered species habitat, historic or cultural sites, wetlands, floodplains, or prime farmlands? -- Increases usability of prime farmland.

Proposed measures to protect such resources or to avoid or reduce impacts are:

5. How would the proposal be likely to affect land and shoreline use, including whether it would allow or encourage land or shoreline uses incompatible with existing plans?-- Increases usability of prime farmland.

Proposed measures to avoid or reduce shoreline and land use impacts are:

6. How would the proposal be likely to increase demands on transportation or public services and utilities? --none

Proposed measures to reduce or respond to such demand(s) are:

7. Identify, if possible, whether the proposal may conflict with local, state, or federal laws or requirements for the protection of the environment. --none