

SEPA ENVIRONMENTAL CHECKLIST

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

1. Name of proposed project, if applicable: **Steffen's Meadow Road Re-location and Meadow Restoration Project**
2. Name of applicant: **Pete Lopushinsky**
3. Address and phone number of applicant and contact person: **9002 Tarpiscan Road Malaga, WA 98828. 509-663-6260**

4. Date checklist prepared: April 30, 2018

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

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

The road improvement and new road construction for the road re-route are scheduled to begin in June or July of 2018. The road reroute must be complete before meadow restoration commences, so traffic can be routed around the restoration area. The meadow restoration will occur late summer-early fall of 2018 (removal of road surface and culverts, leveling of ditches and ruts will occur during the summer, and planting/seeding will occur in the fall of 2018).

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

Yes. A portion of the road leading into Steffen's Meadow that will not longer be a public access road after the re-route is complete, will be decommissioned following forest thinning activity in Section 29, adjacent to the meadow restoration site. This portion of the project is on Chelan County land, and will be covered under a separate FPA pertaining to the thinning unit. This will likely occur in 2019.

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

Stream typing has been completed for the area, and stream type modifications have been submitted. Elk habitat and other Priority Habitat and Species mapping has been completed in this area. Further bull elk data is currently being processed and will be available to the public in winter of 2018. An FPA for timber harvest on County land adjacent to the project area was completed in 2009.

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 other known applications are pending for the property covered by this proposal.

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

A Forest Practices permit from DNR will be needed for this proposal, with a SEPA determination by WDFW. Approval by DAHP and/or affected Tribes will be needed for Cultural Resources.

No other known permits are required.

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 main objective of the proposal is to remove a road from a sensitive meadow and restore the natural hydrology of the meadow. The current road through the meadow is a public access, green dot road, and is part of the Upper Basin Loop green dot road system in the Stemilt Basin. Vehicle traffic on the road and associated 4x4 vehicle traffic illegally entering the meadow from the green dot road are creating damage to the natural hydrology of the meadow when soils are saturated. Soil saturation usually persists into early summer, and begins again in early fall with

the return of precipitation to the forested uplands. Deep ruts, expanding road width, and pooling of water in the road surface are indicators showing increasing damage and hydrologic alteration in the meadow. The County identified a reasonable re-route for the green dot road on an existing road system in a nearby upland area. This re-route was approved over several site visits with County, WDFW, and DNR staff. The road re-route will require maintenance and improvements to 2,400 ft of road, including a culvert replacement for an Np stream, and 650' of new road construction following the path of an abandoned two-track. The new road construction will extend about 200' onto County land, and will tie into existing road. Once the road re-route is complete, meadow restoration will commence. Machinery will be used to remove 2 small culverts, one of which conveys an Np stream. Low-grade banks will be constructed to simulate a natural stream channel on the Np stream. The road surface in the meadow will be decompacted using machinery, and roadside ditches and deep ruts will be filled and blended to a level surface. The area will be replanted with native grass seed, riparian shrubs, and limited conifer species. When restoration is complete, the meadow will be permanently gated off using gates that were installed in 2017 to permanently restrict vehicle traffic from the meadow.

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 project site is located in Chelan County, Township 21N, Range 20E, Section 28. The geographic coordinates for the project area are 47.286508 N, -120.343936 W. The site is reached by driving on Wenatchee Heights Rd to merge with the Stemilt Loop Road. A right turn on the Orr Creek Road heads into the Upper Basin on a green dot road. Follow the green dot road into Section 28. The site is near Steffen's Reservoir and Milo Wood Pond, and is near the boundary with Section 29.

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site:

The project site is generally forested, with the exception of the open meadow. Mixed conifer and dry-forest understory comprise the vegetation structure in the forested areas, while the meadow contains mixed rangeland grass species with areas of wetland/riparian vegetation such as aspen, bordered by mixed conifer species.

(circle one): Flat, rolling, hilly, steep slopes, mountainous, other _____

The site is hilly, but not steep. The meadow and the area of new road construction are relatively flat, while the section of road needing improvement is on a sidehill.

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

The project area contains slopes up to 25%.

- 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.

Soil type in the project area is Stemilt silt loam. There are no agricultural soils in the project area.

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

There are no indications of unstable soils in the immediate vicinity. The larger geographical area (including Mission Ridge Ski Area and Squilchuck drainage) are known to have unstable hillslopes with recent landslide events, but the location of the project is not steep enough to present this hazard.

- 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.

All of the road surfaces within the project area will be subject to excavation and/or grading. Some areas will require small amounts of fill to level surfaces (see attached map). The existing road in Section 28 that will be used as the new green dot road alignment is about 2,400 ft in length, and will require road improvements such as grading and replacement of a culvert. No excavation or fill is expected on this segment, other than for the culvert replacement. The distance of new road construction is 650 ft, and will require minor excavation, fill, and grading to level road surface and provide adequate drainage. Fill for road prism will be either sourced on site from excavated sections, or brought in from external sources (likely a WDFW holding area). This work will be completed by WDFW or a contractor thereof. The amount of fill needed for this segment is not known exactly, but should not be a great need as this is a primitive road not requiring significant drainage needs. The restoration segment in the meadow will consist of decompaction of road surfaces and filling of roadside ditches and deep ruts in meadow, on a length of about 800 ft of existing road. This segment will not require any extra fill to be brought in. Excess soil from the road surface decompaction should provide sufficient fill for the roadside ditches and ruts. Minor excavation will occur at the location of the Np stream in the meadow, to remove the culvert and shape the streambanks. Any material excavated in this area can be distributed about the area.

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe. If done improperly, the work described above could lead to erosion of road surfaces on sloped surfaces or at water crossings. However, the work is intended to improve current erosion conditions on existing roads and construct new road in a sustainable manner to prevent future erosion of road surfaces. So while the potential could exist for erosion as a result of the proposed work, the work will be designed and carried out to prevent such possibility.

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

None of the project area will be covered with impervious surfaces after project construction. The new road surfaces will not be paved.

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

Water control methods will be implemented with road construction and road work, such as waterbars, slight side-hill placement of new road segment, and a sufficiently sized culvert to control erosion of road surfaces.

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.

Motor exhaust from large machinery and trucks will occur during project construction. These emissions will be localized to the location of the machinery, and will likely occur over a period of up to ten work days over the course of the summer/fall.

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

There are no known off-site sources of emissions or odors that may affect this proposal.

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

Measures to reduce emissions will consist of restricting unnecessary idling of equipment and only using motorized equipment when necessary.

3. Water

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.

There are two type Np streams in the vicinity of the site. One stream flows into an irrigation conveyance near Steffen's Reservoir, and the other flows into Middle Creek, a type F stream. The two Np streams are unnamed.

- 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, the project involves replacing a culvert on one of the streams, and removing a culvert to allow natural stream movement in the other. There are no site plans for these two actions, but the actions were discussed with a DNR Forester on site. The culvert replacement will occur on the segment of road that requires maintenance roadwork. The existing culvert is undersized and will be replaced with a minimum 24" culvert to convey the Np waters under the road surface. The Np stream located in the meadow restoration area is currently conveyed under the road via an undersized, aging culvert. This culvert will be removed during removal of the road, and the stream banks will be graded to a less than 1.5:1 slope. The channel banks will be stabilized with straw and/or grass seed to prevent erosion and the riparian zone will be planted with native riparian species.

- 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.

An estimated 10 cubic yards of material will be excavated from the channel area of the Np stream in the meadow restoration area. See attached map of affected area.

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

The proposal will not require surface water withdrawals or diversions.

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

The area is not shown to be within a 100 year floodplain.

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.

The proposal does not involve any discharges of waste materials to surface waters.

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.

Groundwater will not be withdrawn from a well for any purpose.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

No waste material will be discharged into the ground from septic tanks for other sources.

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.

Stormwater runoff will not be caused by the proposed work. Any runoff associated with precipitation and snowmelt will be conveyed naturally by the stream channels. Runoff associated with the current and new road segments will be minimized by proper road maintenance/construction methods, such as waterbars and a catchbasin leading to the culvert that will be replaced.

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

There will be no waste materials that could enter ground or surface waters.

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

The proposal will generally improve drainage patterns, by improving road condition and restoring natural hydrology in the meadow. The new road segment will not affect drainage patterns as there are no streams or evidence of runoff in the vicinity, and the segment is located on fairly level ground.

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

Proper road maintenance (including replacement of an aging culvert with an adequately sized culvert) and construction methods, and restoration of natural hydrology in the meadow are the proposed measures of controlling surface and runoff water.

4. Plants

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

- 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?

Vegetation removal/alteration for this project will be minor. For the road maintenance segment, tree limbs that have grown into the current road corridor will be trimmed back. Brush may also be trimmed back to restore adequate road width. For the segment of new road construction, 5-10 trees will need to be removed. The new road segment follows a historic track through an open forest area on WDFW land, before entering a logged-out area on County land (see attached aerial photo with new road alignment shown).

The meadow restoration element will also have minimal disturbance on existing vegetation, because the areas to be restored are currently road surfaces or denuded areas that have been damaged from vehicle traffic.

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

USFWS lists the following species as having potential to be on or near the site:

- Canada Lynx (threatened)
- Grey wolf (endangered)
- Marbled Murrelet (threatened, not likely to be on site as this species is typically found within 50 miles of marine waters)
- Yellow-billed Cuckoo (threatened, not likely to be on site as this species is considered locally extirpated in Washington)

-Bull Trout (not likely to be on site, as this there are no fish-bearing streams in the project area)

The WDFW Priority Habitat and Species Map shows the following species potentially present in the project area:

-Elk (breeding area)

-Northern Spotted Owl (Endangered, listed occurrence near project area, project area is within a management area for Northern Spotted Owl.

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

The meadow restoration will include planting of native plants and grass seed on areas of disturbance following removal of the road surface and removal of the culvert conveying the Np stream (see attached planting plan for Steffen's Meadow Restoration). The road maintenance and construction will not include restoration or landscaping of native vegetation, because vegetation disturbance in these areas will be minimal.

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

Musk thistle is known to be present in some areas in the Stemilt Basin, and it is possible that it is located 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:

birds: hawk, heron, eagle, songbirds, other:

mammals: deer, bear, elk, beaver, other:

fish: bass, salmon, trout, herring, shellfish, other _____

Elk, deer, black bear, cougar, hawk, eagle, osprey, various small mammals and songbirds.

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

PHS data shows an occurrence of Spotted Owl near the site.

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

The Colockum Elk herd is known to use this area seasonally for summer range and calving. Many bird species also use this area seasonally.

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

Work on road maintenance/construction will discontinue if sensitive or threatened/endangered animal species are observed. Work will occur in the footprint of previously impacted areas, and very little habitat will be damaged. The meadow restoration work will

enhance known elk habitat by removing vehicles and restoring vegetation in a high-quality habitat area.

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

No known invasive animal species are present on or near the site.

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.

The only energy needs for the proposed project are gas/diesel powered motors. No energy source will be required for the project after equipment work is complete.

b. Would your project affect the potential use of solar energy by adjacent properties?

If so, generally describe.

No, the project will not affect potential use of solar energy.

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: 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.

The only potentially hazardous materials involved in this project would be those related to the machinery work (gas, oil, antifreeze, etc.). This work may be subject to IFPL restrictions, meaning machinery may be limited to operations before 1pm, with a 1 hour fire watch after shutdown. IFPL restrictions will be adhered to, to reduce risk of ignition of wildfire as a result of project work.

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

There is no known contamination at the site from present or past uses.

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.

There are no known hazardous chemicals or conditions that might affect project development or design, other than the possible wildfire hazard mentioned above.

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.

There will be no known toxic or hazardous chemicals used during implementation of this project.

- 4) Describe special emergency services that might be required.
No known special emergency services will be required for this project.
- 5) Proposed measures to reduce or control environmental health hazards, if any:
Standard PPE will be utilized at the work site (head, eye, ear protection) during construction. No special measures will be required to reduce environmental health hazards.

b. Noise

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

No noise exists in the area that will affect the project. There will be noise from motorized traffic on the improved road and new road segment, but this noise will not affect the success of the project.

- 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 noise associated with the project implementation, due to equipment operation in the area.

- 3) Proposed measures to reduce or control noise impacts, if any:
Work will occur as expeditiously as possible, to limit time period of noise impacts.

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.

The site property and adjacent properties are undeveloped and used for recreation, wildlife habitat, and natural resource production. The proposal will not affect any of these uses in the long term. Recreation will not be impacted during construction, as the road through the meadow will still be open during construction of the new road segment. This project will not affect land uses on nearby 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?

This land has been used as working forestland in the past, with timber harvest occurring on the County portion of the project area. The forest will continue to be managed for forest health,

and, where appropriate, for working forestland. This proposal will not convert any lands to a different use or impact long-term commercial viability.

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.

There are no structures within the project area. There is irrigation district infrastructure nearby, but it will not be damaged or disturbed during this project.

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

No structures will be demolished.

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

The site is undeveloped forestland.

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

Rural.

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.

The riparian areas are classified as critical areas within the buffer of the Np streams.

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

No individuals will work or reside in the completed project.

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

No individuals would be displaced by the completed project.

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

N/A

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

The project will promote protection of important wildlife habitat and recreational opportunity, an outcome that is compatible with projected land uses and plans.

m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:

There will be no long-term commercial impacts to agricultural or forestlands associated with this proposal. All access needs for forestlands will be met with the re-route of the green dot road.

9. Housing

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

N/A

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

N/A

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

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?

N/A

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

No.

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

N/A

11. Light and Glare

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

This project will not produce light or glare. All construction activities will occur during daylight hours and will not use materials that will produce glare.

b. Could light or glare from the finished project be a safety hazard or interfere with views? N/A

c. What existing off-site sources of light or glare may affect your proposal? N/A

- d. Proposed measures to reduce or control light and glare impacts, if any: N/A

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?
The area is used for dispersed, informal recreation such as hiking, hunting, fishing, wildlife viewing, camping, and pleasure driving. There are no organized recreation opportunities currently, although an ongoing recreation plan recommends designated camping sites and trails in the area.
- b. Would the proposed project displace any existing recreational uses? If so, describe.
The proposal will not displace any recreational uses. In fact, the proposal will improve recreational uses in the area by protecting the meadow and allowing for high-quality, non-motorized recreation in the area. Additionally, recreational use of the green dot road system will be improved by this proposal, by replacing a badly degraded section of road with an improved section via the re-route. The meadow currently experiences illegal recreation in the form of off road 4x4s, and this proposal will address these illegal uses by restricting vehicle access to the meadow.
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
The project has been vetted through the Stemilt Partnership and a Roads Subcommittee of the Partnership, in terms of impacts to recreation. The proposal will ensure continued access to recreational opportunity in the area.

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? If so, specifically describe.
The only structures located near the site are irrigation district pipes and infrastructure. It is unlikely that this infrastructure is listed as historic, and the proposal will not impact this infrastructure.
- 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.
There are no known historic landmarks in the area. A Cultural Resources review will be completed by a WDFW archeologist throughout the project area prior to any ground disturbance.
- 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. The cultural resource survey completed by WDFW will include consultation with tribes and DAHP, and will include review of historic literature and maps.

- 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.

An Inadvertent Discovery Plan will be included in project plans. Project work will cease and the proper agencies notified if any cultural resources are discovered and/or disturbed.

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. The area is accessed by a public access green dot road, the Upper Basin Loop Road. This is a primitive road, managed by State agencies for public access. The proposal includes a re-route of this road, but the area will remain accessible throughout and following the project.
- 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. The area is approximately 10 miles from any public transit.
- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?
The project will not eliminate any parking.
- 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).
Yes, the project includes improvements to existing public-access roads, see project description.
- e. Will the project or proposal 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 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?

No additional vehicular trips. Traffic on the green dot road system is expected to remain the same post-project.

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.

h. Proposed measures to reduce or control transportation impacts, if any:
Vehicle access on the Upper Basin Loop Road will remain available throughout the project duration.

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.
No.

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

16. Utilities

a. Circle utilities currently available at the site: None.
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. 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.

Signature: _____

Name of signee Pete Lopushinsky

Position and Agency/Organization Wildlife Area Manager, WDFW

Date Submitted: 5/7/2018