

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:

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: Cascade Resources New Road Road Use Permit #50-101519
2. Name of applicant: Cascade Resources LLC
3. Address and phone number of applicant and contact person: 1371 Three Crabs Road, Sequim, WA 98382. Ben Carlsen 253-740-9772

4. Date checklist prepared: 09/21/2020

5. Agency requesting checklist: Washington State DNR

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

Immediately upon approval for FPA 2706971, or as close as possible in timeline.

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

Additional volume of timber will be hauled on the footprint of this road use permit, an additional 1MMBF.

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

Forest Practice Application 2706971.

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.

Forest Practice Application 2706971. Road Use Permit from DNR For construction and use of this proposed 200' of new road across DNR land.

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.) A new road construction project across 200 feet of WA State DNR Property. Road prism will be roughly 20' wide, giving a footprint of approximately 1/10th acre.

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. See Exhibit A. - Plan Diagram for additional information. Section 29, Township 13 North, Range 15 East, Yakima County

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site: Hilly

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

b. What is the steepest slope on the site (approximate percent slope)? 30%

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. Jumpe stony loam, 25-45% north slopes. No agricultural or long-term commercial significance from proposal by disturbing or removing these soils. See attached soils information (Exhibit B.)

d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. 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. A 20-foot wide footprint (cut-bank, ditch, road, down-slope) will be constructed across a 200-foot long area. Total area impacted is 4,000 square feet or approximately 1/10th acre.

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

Surface erosion, in common to any new forest road construction could occur. This would be limited to that caused by rainfall, of which there is almost none annually, and adequate erosion control measures will be implemented.

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

None of the site will be impervious.

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

Ditching, cross-drain culverts, sediment traps, gates, and straw bales and grass seed will be utilized to mitigate or eliminate any possible surface erosion.

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.

During construction normal diesel emissions from road building equipment in common to any forest road construction will occur for 1-2 days.

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 PROPOSED.

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 is a year-round Type Np water within 30 feet of our proposal area. It flows North into the Type F water, South Fork of Cowiche Creek, which is 150 feet from our proposal area.

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.

The work will not require any work over or in the waters. It will require work adjacent the Type Np and Type F waters. See attached sketch, Exhibit A.

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. – None proposed.

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

No

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

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.

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.

NO DISCHARGE OF WASTE MATERIAL

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 may only be developed if a rain event occurs during construction. The method of collection of this runoff will be to ditch into constructed sediment traps or into diversion culverts to carry water away from surface waters and direct it onto the forest floor for dispersal.

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

3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. No, the proposal is designed to maintain the existing drainage patterns in the vicinity of the site.

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

Stormwater runoff may only be developed if a rain event occurs during construction. The method of collection of this runoff will be to ditch into constructed sediment traps or into diversion culverts to carry water away from surface waters and direct it onto the forest floor for dispersal.

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?

One deciduous tree (cottonwood) Several evergreens (Douglas-firs and White firs), and one Western larch. Some grass and snowberry will also be removed.

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

None known. None found in data base.

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

Native grass seeding and mulching of exposed soils in construction area will occur as a best management practice to enhance and preserve vegetation.

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

None known.

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 _____

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

None known.

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

Yes, All of Washington State is part of the Pacific Flyway, the migration route from North to South of migratory bird species.

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

NONE PROPOSED

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

None known. None found in database.

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 energy needs for the completed project.

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

There will be a small increase in solar availability to adjacent properties given 19 trees are being removed as part of this proposal.

- 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:

No energy conservation features included, and no measures proposed.

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 environmental health hazards in excess of those nominally present in all forest road building activities near water.

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

None known.

- 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 known to be present.

- 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.
Oil and diesel may be on site during project construction in common to any forest road building project.
- 4) Describe special emergency services that might be required.
None required.
- 5) Proposed measures to reduce or control environmental health hazards, if any:
Operators of forest road building equipment must have functioning hazardous material spill kits on site and immediately available.

b. Noise

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

None known.

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. On short-term basis, noise associated with forest road and subsequent logging operations will occur from hours of 5 a.m. to 5 p.m. In the long-term, the site will be idle.

- 3) Proposed measures to reduce or control noise impacts, if any: None Proposed.

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.

Commercial Forestland. Proposal will not affect adjacent use.

- 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? The site is working forest lands and the proposal will convert 1/10th of an acre from forest land to a road, in order to manage the adjacent lands as 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: No.

c. Describe any structures on the site. None on site

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

No

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

Designated Forest Land

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

Commercial Forestland

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

Does not apply

h. Has any part of the site been classified as a critical area by the city or county? 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:

NONE PROPOSED OR NECESSARY

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

Forest Practice Application 2706971 has been submitted for review by TFW cooperators and Lead Agency Department of Natural Resources.

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

None proposed.

9. Housing

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

Does not apply

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

Does not apply

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

Does not apply

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?

Does not apply

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

In the proposal area, a small amount of vegetation will be removed, altering the view from trees to a road.

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

None proposed.

11. Light and Glare

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

Will not produce light or glare.

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

Does not apply

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

None known.

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

None proposed.

12. Recreation

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

Informally, hunters and hikers access Department of Natural Resources property on the Green Dot Road System.

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

No

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

None proposed.

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.

No

- 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.

None found.

- 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 Forest Practice Application 2706971 is screened by OHAP, and through the TFW process, affected tribes are provided opportunity to scrutinize the proposal area.

- 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.

Previous correspondence with TFW cooperators outlined communicating prior to start up so that TFW cooperators might be present when ground disturbing activity took place. This condition will be associated with FPA 2706971.

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 general geographic area is served by a green dot road, and travels Southeast to Ahtanum Road.

- 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, 15 miles

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

None, 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). _____

No

- 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?

In the short-term, roughly 10 vehicle trips per day will occur during and immediately after (2 months) of the proposal. In the long-term, no additional vehicle trips will occur relative to present status.

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.

The proposal will encourage the movement of forest products in the area.

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

None proposed.

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.

None proposed

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.

None proposed.

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 _____

Position and Agency/Organization _____

Date Submitted: _____


Ben Carlson for Cascade Resources
Forester
9/21/2020

Soil Map—Yakima County Area, Washington
(Jumpe stony loam, 25 to 45 percent north slopes)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot

 Sinkhole

 Slide or Slip

 Sodic Spot

 Spoil Area

 Stony Spot

 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals

Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Yakima County Area, Washington

Survey Area Data: Version 20, Jun 4, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 3, 2014—Sep 21, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
62	Jumpe stony loam, 25 to 45 percent north slopes	0.6	100.0%
Totals for Area of Interest		0.6	100.0%

Yakima County Area, Washington

62—Jumpe stony loam, 25 to 45 percent north slopes

Map Unit Setting

National map unit symbol: 29tv
Elevation: 3,150 to 5,310 feet
Mean annual precipitation: 25 to 40 inches
Mean annual air temperature: 43 degrees F
Frost-free period: 90 to 110 days
Farmland classification: Not prime farmland

Map Unit Composition

Jumpe and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Jumpe

Setting

Landform: Mountain slopes
Parent material: Colluvium and residuum weathered from basalt, and minor amounts of loess and volcanic ash

Typical profile

H1 - 0 to 3 inches: stony ashy loam
H2 - 3 to 41 inches: extremely cobbly loam
H3 - 41 to 60 inches: extremely cobbly loam

Properties and qualities

Slope: 25 to 45 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Other vegetative classification: grand fir/pinegrass (CWG124)
Hydric soil rating: No

Data Source Information

Soil Survey Area: Yakima County Area, Washington
Survey Area Data: Version 20, Jun 4, 2020