

*Please see attached
Summary of Comments
8/12/2020* *CD*

A. BACKGROUND

1. Name of proposed project, if applicable:

Project Name: **Hoh Mainline MP 19.4 Bridge Installation and Culvert Removal**

2. Name of applicant: **Washington State Department of Natural Resources**

3. Address and phone number of applicant and contact person:

**Jeremy Tryall
Department of Natural Resources
411 Tillicum Lane
Forks, WA 98331
(360) 374-2833**

4. Date checklist prepared: **07/08/2020**

5. Agency requesting checklist: **Washington State Department of Natural Resources**

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

a. Auction Date (Timber sale conducting bridge installation:

**Sollecks Bottom Timber Sale: 10/28/2020, SEPA #20-061201, FPA/N 2616535
Public Works Contract for Culvert Removal: November to December 2020**

b. Planned contract end dates (but may be extended):

**Sollecks Bottom Timber Sale: 10/31/2022
Public Works Contract for Culvert Removal: October 30th, 2021**

c. Phasing:

Bridge Installation: Spring to Summer 2021, under the Sollecks Bottom Timber Sale

Culvert Removal: Summer to Fall 2021, under public works contract (In-stream work to be completed by September 30, 2021)

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

No, go to question 8.

Yes, identify any plans under A-7-a through A-7-d:

a. Site Preparation:

None Planned

*b. Regeneration Method:***None Planned***c. Vegetation Management:***Roadside vegetation management consisting of mechanical brushing and chemical treatments.***d. Other:***Road maintenance assessments will be conducted and may include periodic ditch and culvert cleanouts for crossdrains, and grading as necessary, as well as paving the new road and pavement maintenance**

8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal. *Note: All documents are available upon request at the DNR Region Office.*

- 303 (d) – listed water body in WAU:
- temp
 - sediment
 - completed TMDL (total maximum daily load)

***Please see attached
Summary of Comments
8/12/2020 CD***

- Landscape plan: OESF Forest Land Plan**
- Watershed analysis:
- Interdisciplinary team (ID Team) report: OLY-ICN-19-19901**
- Road design plan: Sollecks Bottom Road Plan, 2-12-2020**
- Wildlife report:
- Geotechnical report: Geotechnical Report Washington DNR Culvert Replacement Hoh Mainline, MP 19.4; July 27, 2020**
- Appendix D. Slope Stability information form: Dated 5-7-2020**
- Other specialist report(s):
- Memorandum of understanding (sportsmen's groups, neighborhood associations, tribes, etc.):
- Rock pit plan: Copper Pit Plan (2-12-2020), Red Creek Quarry Plan (2-12-2020)**
- Other: RMAP 2690012, Coppermine Bottom Landscape; Sollecks Bottom Timber Sale Packet, App 30-099242**

Referenced documents may be obtained at the Olympic Region office during the SEPA review period.

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.
None known.

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

- FPA/FPHP # 2616609** FPHP # _____ Board of Natural Resources Approval
- Burning permit Shoreline permit Existing HPA

***Please see
attached
Summary of
Comments
8/12/2020 CD***

Other:

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.)

***Please see attached
Summary of Comments
8/12/2020 CD***

a. Complete proposal description:

The Hoh Mainline MP 19.4 Bridge Installation and Culvert Removal project will restore fish passage by removing an existing 60"x250' fish barrier culvert under the Hoh-Clearwater Mainline. It will also install a new 18'10"x175' long steel bridge over an unnamed tributary of the Clearwater River and reroute a portion of the Hoh-Clearwater Mainline Road. Road construction and bridge installation will be conducted by the Sollecks Bottom Timber Sale (Application 30-099242). The culvert removal will be done under a separate upcoming public works contract. There is approximately 1248 feet of new road construction. Waste is to be deposited on-site and at the Moonbase Pit. Land ownership is on DNR and The Nature Conservancy. Approximately 27 MBF of 45-60 year old timber will be cut with this proposal, and left on site as LWD or decked out of the way.

b. Describe planned road activity. Include information on any rock pits that will be used in this proposal. See associated forest practice application (FPA) for maps and more details.

Type of Activity	How Many	Length (feet) (Estimated)	Acres (Estimated)	Fish Barrier Removals (#)
Construction		1248	1.5	
Reconstruction				
Abandonment		280	0.15	1, 60"x250'
Maintenance				
Bridge Install/Replace	1, 18'10"x175'			
Stream Culvert Install/Replace (fish)				
Stream Culvert Install/Replace (no fish)				
Cross-Drain Install/Replace	6			

Note: abandonment length and acreage are based on length of existing road excavated for culvert removal

Rock Pits: The designated rock sources will be Copper Pit and Red Creek Quarry

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 "WAU Map(s)" and "Timber Harvest Unit Adjacency Map(s)" as referenced on the DNR website: <http://www.dnr.wa.gov/sepa>. Click

on the DNR region of this proposal under the Topic "Current SEPA Project Actions - Timber Sales." Proposal documents also available for review at the DNR Region Office.)

*Please see attached Summary of Comments
8/12/2020 CD*

a. *Legal description:*

**T25-0N R12-0W S22 (road work),
T25-0N R12-0W S23 (Moonbase Pit Waste Area)
T25-0N R12-0W S26 (Waste Area)
T25-0N R11-0W S18, T25-0N R12-0W S13 (Copper Pit)
T27-0N R11-0W S34 (Red Creek Quarry)**

b. *Distance and direction from nearest town (see the driving map listed on the DNR website for further information):*

The project at milepost 19.4 of the Hoh-Clearwater Mainline is located approximately 35.4 miles south of Forks, WA.

13. Cumulative Effects

a. *Briefly describe any known environmental concerns that exist regarding elements of the environment in the associated WAU(s). (See WAC 197-11-444 for what is considered an element of the environment).*

This proposal is located within the Lower Clearwater Watershed Administrative Unit (WAU). Ownership across the WAU includes large industrial forests, private land owners, some federal lands, Quinault Nation, and Department of Natural Resources managed forests. Forested stands within the WAUs appear to be primarily second and third growth stands with some old growth stands. The number of forest practice activities shown on the WAU maps, along with observations within the WAUs indicate that the WAUs are intensively managed for timber production, including variable retention harvest, thinning, and partial cuts

b. *-c- Briefly describe existing plans and programs (i.e. the HCP, DNR landscape plans, retention tree plans) and current forest practice rules that provide/require mitigation to protect against potential impacts to environmental concerns listed in question A-13-a.*

This proposal and all future management activities on DNR lands will be conducted in accordance with the DNR's Habitat Conservation Plan (HCP, 1997), the Policy for Sustainable Forests (2006), and Forest Practice Rules. Management of lands owned by The Nature Conservancy (TNC) will be per TNC policy and management objectives, and will follow all relevant forest practice rules. The DNR HCP is an agreement with the federal government that requires the DNR to manage the landscapes with the intent to preserve and enhance habitat.

c. *-d- Briefly describe any specific mitigation measures proposed, in addition to the mitigation provided by plans and programs listed under question A-13-b.*

All mitigation measures are clearly outlined in the HCP. No additional mitigation measures have been developed for this proposal.

d. Based on the answers in questions A-13-a through A-13-c, is it likely potential impacts from this proposal could contribute to any environmental concerns listed in question A-13-a?

It is not likely potential impacts from this proposal will contribute to the environmental concerns listed in question A-13-a. DNR’s HCP, the Policy for Sustainable Forests, and the Forest Practice rules substantially help the Department to mitigate for cumulative effects related to management activities. These strategies have been incorporated in this proposal.

e. Complete the table below with the reasonably foreseeable future activities within the associated WAU(s) (add more lines as needed). Future is defined as occurring within the next 7 years.

WAU Name	Total WAU Acres	DNR-owned WAU Acres	Acres of DNR proposed even-aged harvest in the future	Acres of DNR proposed uneven-aged harvest in the future	Acres of proposed harvest on non-DNR-managed lands currently under active FP permits
LOWER CLEARWATER	39674	21196	1794	263	657

Other management activities, such as stand and road maintenance, will likely occur within the associated WAU(s).

B. ENVIRONMENTAL ELEMENTS

1. Earth

a. General description of the site (check one):

Flat, Rolling, Hilly, Steep Slopes, Mountainous, Other:

1. General description of the associated WAU(s) or sub-basin(s) within the proposal (landforms, climate, elevations, and forest vegetation zone).

WAU:	LOWER CLEARWATER
WAU Acres:	39674
Elevation Range:	39 – 1896 ft.
Mean Elevation:	599 ft.
Average Precipitation:	112 in./year
Primary Forest Vegetation Zone:	Sitka Spruce

2. Identify any difference between the proposal location and the general description of the WAU or sub-basin(s).

This proposal is a representative example of the WAUs at the same elevation and aspect.

b. What is the steepest slope on the site (approximate percent slope)?
130%

Please see attached Summary of Comments 8/12/2020 CD

Please see attached Summary of Comments 8/12/2020 CD

- 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.

Note: The following table is created from state soil survey data. It is an overview of general soils information for the soils found in the entire sale area. The actual soil conditions in the sale area may vary considerably based on land-form shapes, presence of erosive situations, and other factors.

State Soil Survey #	Soil Texture
5225	SILT LOAM
0902	SILT LOAM
3972	V.GRAVELLY LOAM

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

No, go to question B-1-e.

Yes, briefly describe potentially unstable slopes or landforms in or around the area of the proposal site. For further information, see question A-8 for related slope stability documents and question A-10 for the FPA number(s) associated with this proposal.

- 1) Does the proposal include any management activities proposed on potentially unstable slopes or landforms?

No Yes, describe the proposed activities:

Timber harvest/cutting and road construction will occur on unstable features. These are described in detail in the Geotechnical Report Washington DNR Culvert Replacement Hoh Mainline, MP 19.4 prepared for this proposal.

- 2) Describe any slope stability protection measures (including sale boundary location, road, and harvest system decisions) incorporated into this proposal.

Mitigation for the identified hazards includes:

- **Regraded inner gorge slopes following harvest to a flatter more stable configuration**
- **The addition of rip rap on slopes at 1.5H:1V to stabilize slopes**
- **TESC controls during construction to reduce the potential for sediment delivery including a coffer dam and bypass in the work area**
- **Removal of the existing culvert and fill embankment**
- **Regrading of the existing fill embankment to a 1.5H:1V slope and including stabilization and revegetation**

- 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.

Approx. acreage new roads: 1.5 acres

Approx. acreage new landings: 0 acres

Fill Source: Copper Pit and Red Creek Quarry

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
Yes. Some erosion could occur as a result of building new roads, installing culverts, and hauling timber.
- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? *Approximate percent of proposal in permanent road running surface (includes gravel roads):*
Approximately <1% of the overall site will remain as gravel and paved roads.
- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
(Include protection measures for minimizing compaction or rutting.)

Road construction will be restricted during periods of heavy rainfall when rutting and surface erosion may occur. Roads will be constructed with properly located ditches, ditch-outs, and cross-drains to divert water onto stable forest floors and/or into stable natural drainages. Best management practices will be utilized as necessary in proximity to live waters. Culvert removal will be restricted when the weather is such that satisfactory results cannot be obtained. Streamflow must be bypassed during in-stream work.

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.
Minor amounts of engine exhaust from road construction equipment and dust from vehicle traffic on roads will be emitted during proposed activities. There will be no emissions once the proposal is complete aside from minor engine exhaust due to normal use of the roads.
- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.
None known.
- 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. (See "WAU Map(s)" and "Timber Harvest Unit Adjacency Map(s)" as referenced on the DNR website: <http://www.dnr.wa.gov/sepa>. Click on the DNR region of this proposal under the Topic "Current SEPA Project Actions - Timber Sales." Proposal documents also available for review at the DNR Region Office.)

No Yes, describe in 3-a-1-a through 3-a-1-c below

Please see attached Summary of Comments 8/12/2020 CD

a. Downstream water bodies:

Unnamed perennial streams, Clearwater River, Queets River, Pacific Ocean

b. Complete the following riparian & wetland management zone table:

Wetland, Stream, Lake, Pond, or Saltwater Name (if any)	Water Type	Number (how many?)
Unnamed Perennial Stream (flows into Clearwater River)	F	1
Clearwater River	S	1

c. List any additional RMZ/WMZ protection measures including silvicultural prescriptions, road-related RMZ/WMZ protection measures and wind buffers.

The work detailed in the road plan has been designed to improve surfacing on the haul roads, and provide for better drainage by installing additional, and replacing inadequate culverts that will divert storm water onto stable forest floor. These actions will minimize the potential for delivery of sediment to streams. Instream work will be limited to between July 1 and September 30 of the calendar year.

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.

No
 Yes

Please see attached Summary of Comments 8/12/2020 CD

Description (include culverts):

Timber felling, bucking, and road maintenance and construction will occur within 200 feet of the unnamed stream described above. No work will occur within the Clearwater River or within 200 feet of it. All activities will be done in accordance with the DNR's HCP and Forest Practice rules. Culvert work listed in A.11.C will occur within 200 feet of the described waters above. Project plan sheets and FP application with accompanying maps provide details.

- 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.

- 4) Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. *(Include diversions for fish-passage culvert installation.)*

No *Yes, description:* **Removal of the fish barrier culvert will require a complete stream bypass while in-stream work is being conducted. Bypass may consist of mechanical pumping or temporary bypass culvert, with stream water discharged back into the channel downstream of construction work. Once the stream bypass has been started, the bypass must remain in place until in-stream work has been completed.**

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

No *Yes, describe activity and location:*

- 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.
It is not likely that any waste materials will be discharged into the surface water(s). However, minor amounts of oil, fuel, and other lubricants may inadvertently be discharged to the adjacent surface water(s) as a result of heavy equipment use or mechanical failure. No lubricants will be disposed of on-site.

- 7) *Is there a potential for eroded material to enter surface water as a result of the proposal considering the protection measures incorporated into the proposal's design?*

No *Yes, describe:*

Soils and terrain susceptible to surface erosion are generally located on slopes steeper than 70%. The potential for eroded material to enter surface water is minimized due to the erosion control measures and operational procedures outlined in B-1-h.

- 8) *What are the approximate road miles per square mile in the associated WAU(s)?*

LOWER CLEARWATER = 5.0 (mi./sq. mi.)

- 9) *Are there forest roads or ditches within the associated WAU(s) that deliver surface water to streams, rather than back to the forest floor?*

No *Yes, describe:*

It is likely some roads or road ditches within the WAU intercept sub-surface flow and deliver surface water to streams, however current road construction, reconstruction, and/or maintenance standards will be applied that address this issue

by installing cross-drains to deliver ditch water to stable forest floors.

10) *Is there evidence of changes to channels associated with peak flows in the proposal area (accelerated aggradations, surface erosion, mass wasting, decrease in large organic debris (LOD), change in channel dimensions)?*

No Yes, describe observations:

11) *Describe any anticipated contributions to peak flows resulting from this proposal's activities which could impact areas downstream or downslope of the proposal area.*

It is not likely the proposed activity will change the timing, duration, or volume of water during a peak flow event. This proposal removes a 60"x250' fish barrier culvert that is smaller than the average bankfull width and creates a new channel that will help to slow flows down and restore typical riparian functions.

12) *Is there a water resource (public, domestic, agricultural, hatchery, etc.), or area of slope instability, downstream or downslope of the proposed activity?*

No Yes, describe the water resource(s):

a. Is it likely a water resource or an area of slope instability listed in B-3-12 (above) will be affected by changes in amounts, quality or movements of surface water as a result of this proposal?

No Yes, describe possible impacts:

13) *Describe any protection measures, in addition to those required by other existing plans and programs (i.e. the HCP, DNR landscape plans) and current forest practice rules included in this proposal that mitigate potential negative effects on water quality and peak flow impacts.*

Road development and maintenance standards will minimize impacts by using cross-drains and ditch-outs to release ditch water onto stable forest floors where flow energy can dissipate prior to reach stream channels. The road will be paved. Maintaining RMZ's on streams will aid bank stability, hydrologic functions, and provide recruitment of LWD. See B.1.d.2, B.1.h, and B.3.a.1 for additional details on protections measures within this proposal.

1) Ground Water:

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 water will be withdrawn or discharged.

- 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.

Minor amounts of oil, fuel, and other lubricants may inadvertently be discharged to the ground as a result of heavy equipment use or mechanical failure. No lubricants will be disposed of on-site. All spills are required to be contained and cleaned-up. This proposal is expected to have no impact on ground water.

- 3) *Is there a water resource use (public, domestic, agricultural, hatchery, etc.), or area of slope instability, downstream or downslope of the proposed activity?*

No Yes, describe:

a. Is it likely a water resource or an area of slope instability listed in B-3-b-3 (above) could be affected by changes in amounts, timing, or movements of groundwater as a result this proposal?

No Yes, describe possible impacts:

Note protection measures, if any:

b. 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.

Water runoff, including storm water, from road surfaces will be collected by roadside ditches and diverted onto the forest floor via ditch-outs and cross drain culverts.

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

No Yes, describe:

Waste materials, such as sediment or slash, may enter surface water.

Note protection measures, if any:

No additional protection measures will be necessary to protect these resources beyond those described in B-1-d-2, B-1-h, B-3-a-2, and B-3-a-13.

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If

so, describe.

No changes to drainage patterns are expected.

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

See surface water, ground water, and water runoff sections above, questions B-3-a-1-c, B-3-a-13, B-3-b-3, and B-3-c-2.

4. Plants

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

Deciduous tree:

Alder Aspen Birch Cottonwood Maple Western Larch

Other:

Evergreen tree:

Douglas-Fir Engelmann Spruce Grand Fir Lodgepole Pine

Mountain Hemlock Pacific Silver Fir Ponderosa Pine Sitka Spruce

Western Hemlock Western Redcedar Yellow Cedar

Other:

Shrubs:

Huckleberry Rhododendron Salmonberry Salal

Other:

Ferns

Grass

Pasture

Crop or Grain

Orchards Vineyard Other Permanent Crops

Wet Soil Plants:

Bullrush Buttercup Cattail Devil's Club Skunk Cabbage

Other:

Water plants:

Eelgrass Milfoil Water Lily

Other: Horsetail

Other types of vegetation:

Plant communities of concern:

- b. What kind and amount of vegetation will be removed or altered? (Also see answers to questions A-11-a, A-11-b and B-3-a-2).

Approximately 27 MBF of 45-60 year-old timber will be cut with this proposal, and left on site as LWD or decked out of the way.

***Please see attached Summary of Comments
8/12/2020 CD***

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

***Please see attached
Summary of Comments
8/12/2020 CD***

None found in corporate database

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

Native conifer and deciduous species will regenerate naturally onsite.

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

Scotch Broom, Himalayan and Evergreen blackberry

5. Animals

- a. List any birds and other animals *or unique habitats* which have been observed on or near the site or are known to be on or near the site. Examples include:

birds:

eagle hawk heron owls songbirds

other:hummingbirds

mammals:

bear beaver coyote cougar deer elk

other: **squirrels and other rodents**

fish:

bass herring salmon shellfish trout

other:

amphibians/reptiles:

frog lizard salamander snake turtle

other:

unique habitats:

balds caves cliffs mineral springs oak woodlands talus slopes

other:

Eagles were observed in flight, no nests are known within 660' of the project area.

Indicated mammals are all known to be in the area.

- b. List any threatened and endangered species known to be on or near the site (*include federal- and state-listed species*).

None known to be on or near the site

***Please see attached Summary of
Comments
8/12/2020 CD***

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

Pacific flyway Other migration route:

***Please see attached Summary of
Comments
8/12/2020 CD***

Explain:

This site is part of the Pacific flyway but is not used extensively for resting or feeding by waterfowl.

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

Note existing or proposed protection measures, if any, for the complete proposal described in question A-11.

Species /Habitat: Riparian – In-stream work will be conducted between July 1st and September 30th to minimize disturbance to aquatic organisms. Operations will also be conducted to minimize and prevent sedimentation to live streams.

Species / Habitat: Spotted Owl – The DNR mitigates for the potential of significant adverse environmental impacts to northern spotted owls in the OESF by implementing the HCP strategy. This strategy established threshold percentages for spotted owl habitat on DNR-managed lands for Landscape Planning Units (LPU) Each LPU is managed to achieve and maintain at least 20% Old Forest Habitat and at least 40% Old and Young forest (or Structural) Habitat types taken together according to a schedule of habitat enhancement and harvest activities developed within the Forest Land Plan (FLP) This proposal is considered non-habitat in accordance to the OESF NSO Habitat Model.

Species/Habitat: Marbled Murrelet- This proposal does not occur within a marbled murrelet special habitat area, occupied site or buffer and does not contain murrelet habitat (P-stage) that has been designated for metering

- e. List any invasive animal species known to be on or near the site.
None

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.
Petroleum fuel (diesel or gasoline) will be used for heavy equipment during active road construction operations, and for transportation. No energy sources will be needed following project completion.
- 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

- 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.

- 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.
- 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.
Petroleum-based fuel and lubricants may be used and stored on site during the operating life of this project.
- 4) Describe special emergency services that might be required.
The Department of Natural Resources, private, and fire protection district suppression crews may be needed in case of wildfire. In the event of personal injuries, emergency medical services may be required. Hazardous material spills may require Department of Ecology and/or county assistance.
- 5) Proposed measures to reduce or control environmental health hazards, if any:
No petroleum-based products will be disposed of on site. If a spill occurs, containment and cleanup will be required. Spill kits are required to be onsite during all heavy equipment operations. The cessation of operations may occur during periods of increased fire risk. Fire tools and equipment, including pump trucks and/or pump trailers, will be required on site during fire season.

Please see attached Summary of Comments 8/12/2020 CD

NOTE: If contamination of the environment is suspected, the proponent must contact the Department of Ecology.

b. Noise

- 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.
There will be short term, low level and high level noise created by the use of construction equipment and construction operations within the proposal area. This type of noise has been historically present in this geographical area.
- 3) Proposed measures to reduce or control noise impacts, if any:
None.

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. *(Site includes the complete proposal, e.g. rock pits and access roads.)*

Commercial and State forest lands are at and adjacent to the project site. This proposal will not change the use of or affect the current/long term land use of areas associated with this project.

- 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 proposal site has been used as working forest lands. This proposal will retain the site in 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.

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

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

Commercial Forest

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

Commercial Forest

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

Not applicable.

- 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:
Does not apply.

- l. Proposed measures to ensure the proposal is compatible with existing and projected land

uses and plans, if any:

This project is consistent with current comprehensive plans and procedures pertaining to DNR's HCP, OESF Forest Land Plan, and the State Forest Practices Act.

- m. Proposed measures to reduce or control impacts to agricultural and forest lands of long-term commercial significance, if any:
See 8a and 8b above.

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:
None.

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?
- 1) *Is this proposal visible from a residential area, town, city, recreation site, major transportation route or designated scenic corridor (e.g., county road, state or interstate highway, US route, river or Columbia Gorge SMA)?*
- No* *Yes, name of the location, transportation route or scenic corridor:*
- 2) *How will this proposal affect any views described above?*
N/A
- c. Proposed measures to reduce or control aesthetic impacts, if any:
None

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:

None.

12. Recreation

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

Dispersed informal recreation in the form of hiking, hunting, fishing, berry picking, and sightseeing, etc.

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

There may be some disruptions to recreational use during periods of harvesting and hauling.

- 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

- 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.

None

- 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

- 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. **State lands cultural resources technicians and archaeologist conducted check of the Department of Archaeology and Historical Preservation (DAHP) database, historic USGS map on available GIS layer, and Land Resource Manager (LRM) Special Concerns Report to identify cultural resources in the proposed project area, and found no evidence on or near the site to indicate any potential cultural resource. Consultation with Tribes is ongoing.**

- 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. **If a presently-unknown cultural resource is discovered during project operations, DNR will comply with the March 2010 Cultural Resources Inadvertent Discovery Guidance.**

Please see attached Summary of Comments 8/12/2020 CD

Please see attached Summary of Comments 8/12/2020 CD

Please see attached Summary of Comments 8/12/2020 CD

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.
US 101 and Clearwater 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?
N/A
- 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).
Yes, see A-11-c.
1) *How does this proposal impact the overall transportation system/circulation in the surrounding area and any existing safety problem(s), if at all?*
This project will have minimal to no additional impacts on the overall transportation system in the area.
- 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 non-passenger vehicles). What data or transportation models were used to make these estimates?
Up to approximately 50 to 100 dump truck trips per day while the operation is active for fill removal. Peak volumes would occur during the excavation and loading activities between 7:00 a.m. and 5:00 p.m. of the operating period. The completed project will generate less than one vehicular trip per day. Estimates are based on the observed construction traffic and haul volumes of past projects.
- 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:
None.

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.

16. Utilities

- a. Check utilities currently available at the site:

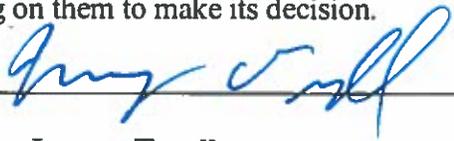
electricity natural gas water refuse service telephone sanitary sewer
 septic system other: **A CenturyLink fiber optic line is buried along the existing Hoh-Clearwater Mainline**

- 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.

The CenturyLink fiber optic line will need to be relocated to the new stream crossing created by the bridge installation and road reroute.

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 Jeremy Tryall

Position and Agency/Organization Region Engineer, Washington Department of Natural Resources, Olympic Region

Date Submitted: 7.30.2020



Summary of Comments

I have reviewed this SEPA Checklist and have the following comments:

CD

A. Background

8. The Geotechnical Report Washington DNR Culvert Replacement Hoh Mainline, MP 19.4 and Slope Stability Informational Form are available on FPARS with FPA/N 2616609.
10. FPA/N 2616609 and the associated Geotechnical Report Washington DNR Culvert Replacement Hoh Mainline, MP 19.4 are available for viewing in FPARS.
11. FPA/N 2616609 indicates road construction totaling approximately 1248 ft and spoils deposits of approximately 105,000 cy are included in this proposal. Road abandonment totaling approximately 280 ft is also included in this proposal. Two F crossings are planned including a bridge installation and a culvert removal (per Question 14 of FPA/N 2616609).
12. The location of this proposal is confirmed as Sections 22, 23, 26 Township 25 Range 12 West; in Jefferson County (per Question 7 of FPA/N 2616609). Jefferson County tax parcel number include: 512224002, 512231003. And 512264000. Rock pit locations include: Sections 23 Township 25 Range 12 West (Moonbase Pit Waste Area); Section 13 Township 25 Range 12 West and Section 18 Township 25 Range 11 West (Copper Pit); and Section 34 Township 27 Range 11 West (Red Creek Quarry).

B. Environmental Elements

Earth

- 1.b. The steepest slope is confirmed via FPA/N 2616609 question 16.
- 1.d. The FPA/N and Geotechnical Report Washington DNR Culvert Replacement Hoh Mainline, MP 19.4 indicates that inner gorges and convergent headwalls are found in and around the harvest and road construction. Mitigation measures implemented are outlined in question 28 and in the FPHP plans of the FPA/N.

Water

- 3.a.1. FPA/N 2616609 indicates F and S water.
- 3.a.2. FPA/N 2616609 indicates culvert work occurring within 200 ft of type F and S waters following HCP and Forest Practice rules.

Plants

- 4.b. FPA/N 2616609 will conduct ROW work to install the bridge and remove the culvert.
- 4.c. FPRAM check indicates no potential conflicts with T&E plant species.

Animals

- 5.b. FPRAM check indicates the harvest area is within SOSEA, but it is not NSO habitat. Additionally, FPRAM check indicated the proposal is within MM detection areas and the 1.5 mile occupied buffer and within Northern Goshawk area.
- 5.c. Washington State is considered part of the Pacific Flyway; however no impacts are anticipated as a result of this proposal.



Environmental Health

- 7.a.5. If contamination is suspected, the proponent must contact the Department of Ecology.

Historic and cultural preservation

- 13.a. FPRAM check confirms no conflict with cultural historical sites or resources.
- 13.b. FPRAM check confirms no conflict with archaeological or cultural sites or resources.
- 13.d. In the event that any unknown historical/archaeological resources are encountered, ground disturbing activities must be halted and DAHP and local tribes contacted.

Chelsea Drum 8/12/2020

Chelsea Drum
Department of Natural Resources – Olympic Region
Forest Practices Coordinator