

STATE FOREST LAND
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.

Questions in italics are supplemental to Ecology's standard environmental checklist. They have been added by the DNR to assist in the review of state forest land proposals. Adjacency and landscape/watershed-administrative-unit (WAU) maps for this proposal are available on the DNR internet website at <http://www.dnr.wa.gov/sepa>. These maps may also be reviewed at the DNR regional office responsible for the proposal. This checklist is to be used for SEPA evaluation of state forest land activities.

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:

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:

Timber Sale Name: **OAKRIDGE**
Agreement # **30-100091**

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

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

Joe Smith, Forest Operations District Manager
WA DNR, Southeast Region
713 Bowers Road
Ellensburg, WA 98926
(509) 925-8510

4. Date checklist prepared: **11/19/2019**

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

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

a. *Auction Date:*
03/25/2021

b. *Planned contract end date (but may be extended):*
02/28/2023

c. *Phasing:*
None

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:* **Ground herbicide.**

b. *Regeneration Method:* **Hand planting will occur in the VRH units.**

c. *Vegetation Management:* **None.**

d. *Other:*

Road maintenance assessments will be conducted and may include periodic ditch and culvert cleanout, and grading as necessary. Construction, reconstruction, and abandonment are associated with this forest management activity.

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)

- Landscape plan:
- Watershed analysis:
- Interdisciplinary team (ID Team) report:
- Road design plan:
- Wildlife report:
- Geotechnical report:
- Appendix D. slope stability informational form:
- Other specialist report(s):
- Memorandum of understanding (sportsmen’s groups, neighborhood associations, tribes, etc.):
- Rock pit plan:

Other: Forest Practices Board Manual; Forest Practices Activity Map; Policy for Sustainable Forests (PSF 2006); State Soil Survey; Habitat Conservation Plan (HCP 1997, and HCP Amendment #1 for the Klickitat HCP Planning Unit April 2004); HCP Checklist; LRM reports; Road Maintenance and Abandonment Plan (RMAP #270086L), 20-Year Forest Health Strategic Plan. The following information is provided by DNR’s GIS database: Spotted Owl Habitat Layer; and USGS and GLO maps, approved water type modification, Klickitat county road approach permit(s).

Referenced documents may be obtained at the region office responsible for this proposal.

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 # **2706960** FPHP Board of Natural Resources Approval
- Burning permit Shoreline permit Existing HPA
- Other: Incidental take permit: PRT 81252**

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.)

This proposal is a timber harvest on state trust land in Klickitat County. The timber sale consists of four units, two variable density thinning (VDT) units and two variable retention harvest (VRH) units. The thinning units comprise 104 acres and the VRH units comprise 48 acres of the 152 net harvest acres and a total harvest volume of 2,776 MBF.

Existing forest roads will be maintained and/or reconstructed where necessary, and used for the harvest. The timber sale is located 5 miles north of Husum, WA in a block of State forestland managed as part of the HCPs Klickitat Scattered sub-landscape managed for Northern spotted owl (NSO) dispersal habitat.

There are no water courses within or adjacent to the proposal area.

104 acres of the proposal is a variable density thinning removing approximately 50% of the basal area from 8"-28" diameter classes, while retaining the legacy trees and protecting the largest diameter classes. These stands average about 90% Douglas-fir composition and varying components of grand fir, ponderosa pine, western hemlock, and big leaf maple.

48 acres of the proposal are variable retention harvests that will be even-age harvested and replanted with DF and PP seedlings.

There will be 150 feet of required construction, 740 feet of required reconstruction, and 1,761 feet of optional reconstruction.

a. Complete proposal description:

Unit	Proposal Acres (gross)	RMZ/WMZ Acres	Potentially Unstable Slope Acres	Existing Road Acres (within unit)	Sale Acres	Leave Tree Clump Acres	Net Harvest Acres
1	20	0	0	0		0	20
2	8	0	0	0		0	8
3	85	0	0	0		0	84
4	44	0	0	0		4	40
Totals	156	0	0	2.3		4	152

Road acres are included in the total harvest acres (152) and not added to the gross acres additionally.

b. Describe the stand of timber pre-harvest (include major timber species and origin date), type of harvest and overall unit objectives.

Pre-harvest Stand Description:

Unit	Origin Date	Major Timber Species	Type of Harvest
1	1960	Douglas fir	Partial Harvest
2	1955	Douglas fir	Regeneration
3	1960	Douglas fir	Partial Harvest
4	1955	Douglas fir	Regeneration

The timber stands are uniform second growth stands of 90% Douglas-fir and 10% grand fir and ponderosa pine. The dense and uniform stocking has produced a single-storied stand with relatively narrow overall diameter range. There are pockets of laminated root rot where mortality has allowed small canopy openings, but the downed trees and brush do not allow viable natural regeneration.

In the absence of a thinning treatment, mortality will continue and eventually increase in the suppressed and intermediate trees due to the overstocking of the stand. Additionally, cutting trees with root disease and around disease patches can slow the progression throughout the stand. Post-treatment, the thinned stands will be stocked at a healthier density. The VRH stands will be replanted with a mixture of Douglas-fir and ponderosa pine.

Overall Unit Objectives:

- **Thinning:** reduce the unit stocking to a healthier stocking for the site
- **Maintain dispersal habitat** for northern spotted owls in the VDT acres.
- **VRH:** Harvest stands heavily infected with laminated root disease and establish a new cohort of trees with ponderosa pine.
- **Increase the fire resistance and resiliency of the timber stands**

c. 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		150	0.1	0
Reconstruction		2,501		0
Abandonment		0	0	0
Bridge Install/Replace				0
Stream Culvert Install/Replace (fish)				0
Stream Culvert Install/Replace (no fish)				
Cross-Drain Install/Replace				

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.)

a. Legal description: T4-0N R11-0E S06, T4-0N R11-0E S07

b. Distance and direction from nearest town (see the driving map listed on the DNR website for further information): **The proposal area is approximately 5 miles north of Husum, WA and is accessed via Highway 141 to Oak Ridge county road. Portions of the sale are located directly off the Oak Ridge county road. The main forest roads into the sale area designated as the R2020, R2220, and associated spurs.**

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 timber harvest is located within the Gilmer Creek Watershed Administrative Unit (WAU).

The low to mid elevation lands in the WAU are a mixture of agricultural land, home sites and forest land, whereas the uplands are mainly managed for timber production. Ownership includes industrial forests, United States Forest Service, small private, and DNR managed forests. Forested stands within the WAU are primarily second and third growth stands. The numbers of forest practices shown on the WAU map along with observations within the WAU indicate that the WAU is intensively managed for timber production, including regeneration harvests and partial cuts.

b. 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.

The DNR has a 20-year Forest Health strategy for the eastern Cascades that has prioritized timber harvest activities within the White Salmon and Trout Lake watersheds. The Oakridge timber sale will support this strategy by increasing the thinned stands resistance to forest pathogens and fire for the long term, and establishing a site appropriate stand of Douglas-fir and ponderosa pine in the VRH units.

The Department of Natural Resources has a multi-species Habitat Conservation Plan (HCP) with the U.S. Fish and Wildlife Service concerning threatened and endangered species and their habitats, which requires the Department to manage landscapes to provide and sustain long-term habitat in exchange for an Incidental Take Permit. This agreement substantially helps the Department to mitigate for cumulative effects related to management activities. The applicable strategies incorporated into this proposal are as follows:

- **Retention of all biological legacy trees.**
- **NSO: Our goal is to meet our HCP habitat objectives for DFC by maintaining and developing sustainable DFC stands.**
- **Analyzing, designing, and constructing roads to minimize effects on the environment.**
- **Evaluating the proposal for potential slope stability. The entire sale area was evaluated and nothing of concern was found. Slopes within or adjacent to the sale area do not exceed 35%.**

Additional strategies:

- **Western Gray Squirrel Management Plan: 50 foot buffer around potential nest trees**
- **Surveying for a sensitive plant species known to be within close proximity.**
- **Performing maintenance and reconstruction of the roads.**

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

After harvest in the VRH units, a mixture of ponderosa pine and Douglas-fir seedlings will be planted. Pockets with laminated root rot within Unit 4 and all of Unit 2 will be replanted with ponderosa pine seedlings.

The 303d listed water within the Gilmer WAU for temperature sensitivity is a ½ mile section of the White Salmon River just above the confluence with Rattlesnake Creek. There are no streams in the sale area and no impacts to temperature of the White Salmon River are anticipated from this harvest proposal.

A regular maintenance schedule will be followed to allow for proper road surface runoff and drainage. Haul routes for this proposal have been evaluated for potential environmental impacts. To ensure sediment is minimized during hauling, cross-drains, sediment ponds, and other structures may be used to disconnect ditch water from flowing streams. New road construction spurs were located on stable ridge-top locations.

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?

No.

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
GILMER CREEK	24653	9024	48	1677	203

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:	GILMER CREEK
WAU Acres:	24653
Elevation Range:	370 - 4288 ft.
Mean Elevation:	1740 ft.
Average Precipitation:	49 in./year
Primary Forest Vegetation Zone:	Grand Fir

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. The elevation of the timber sale is located at 1360' – 1680'.

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

33%

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	Number of Acres within the Proposal
1045	LOAM	133
1043	LOAM	10
1044	LOAM	9

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: **N/A**

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

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: **0.1**

Approx. acreage new landings: **0.5 acres**

Fill Source: **None**

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 road and culvert maintenance 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 5% of the site will remain as open gravel roads. The R2020 is native surfaced and may re-vegetate when de-commissioned post-harvest.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
(Include protection measures for minimizing compaction or rutting.)
Operational timing restrictions will limit wet weather compaction and rutting. Road drainage structures will be improved and maintained during the logging operation. The road design includes the cleaning of culvert inlets and outlets to lessen the runoff effects of the road network.

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 logging and road construction equipment and dust from vehicle traffic on roads will be emitted during proposed activities. If landing debris is burned after harvest is completed, smoke will be generated. There will be no emissions once the proposal is complete.

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:
If landing debris is burned, it will be in accordance with Washington State’s Smoke Management Plan. A burn permit will be obtained before burning occurs.

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

a. Downstream water bodies: **There is no surface water present within or immediately adjacent to the timber sale. The downstream water body is Gilmer creek.**

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

Wetland, Stream, Lake, Pond, or Saltwater Name (if any)	Water Type	Number (how many?)	Avg RMZ/WMZ Width in feet (per side for streams)
N/A			

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

- 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 (See RMZ/WMZ table above and timber sale maps which are available on the DNR website: <http://www.dnr.wa.gov/sepa>. Timber sale maps are also available at the DNR region office.)

Description (include culverts): **All culverts within the vicinity are cross drains to direct runoff water to the forest floor to dissipate.**

- 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:
- 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. **There is no surface water in the sale area. 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:
There is no surface water or slopes over 35% within the proposal area.
- 8) *What are the approximate road miles per square mile in the associated WAU(s)?*
GILMER CREEK = 4.7 (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 anticipated that this proposal will impact peak flows. The sale is not located in a rain on snow zone and has no surface water.

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): **Agricultural orchard water sources are located within the vicinity and downslope of the timber sale but are not connected to the sale area by surface waters.**

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. **Chemical spill kits are required to be onsite while any operations are occurring.**

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 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: **N/A**

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.

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: **N/A**

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.

d. 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 Noble Fir Pacific Silver Fir Ponderosa Pine

Sitka Spruce Western Hemlock Western Redcedar Yellow Cedar

Other:

Shrubs:

- Huckleberry Rhododendron Salmonberry Salal
- Other: **Vine maple, oceanspray, cascara, trailing blackberry**
- 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:
- 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 2715 MBF of Douglas-fir, 48 MBF of grand fir, and 13 MBF of ponderosa pine will be removed from the site. The proportional thinning will remove trees from all diameter ranges between 8"- 28". Tree tops and limbs will be piled and burned on the landings after the timber harvest. Harvesting activities such as skidding may remove a portion of the vine maple and other shrubs on the site. The post-harvest planting will shift the species composition to a larger ponderosa pine component.

- 1) Describe the species, age, and structural diversity of the timber types immediately adjacent to the removal area. (See "WAU Map(s)" and "Timber Harvest Unit Adjacency Map(s)" 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.) **The majority of the sale is surrounded by privately managed timber land or private orchards or DNR leased lands managed as orchards. To the north of the sale area is 17 acres of 60 year-old state timberland and state land leased to a private orchard company. To the east is a mosaic of private timber land and private orchards. To the south is a private regeneration harvest, and to the west is private orchard.**

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

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

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:

mammals:

bear beaver coyote cougar deer elk

other:

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:

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

TSU Number	Common Name	Federal Listing Status	State Listing Status
OAKRIDGE U4	Western gray squirrel	None	Threatened

The stands represent marginal WGS habitat and only 1 old platform potential nest was identified. No WGS's were seen in any of the units.

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

Pacific flyway Other migration route:

Explain:

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

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

Species /Habitat: **All** Protection Measures: **Existing snags will be retained where operationally safe to do so. Trees with physical defect such as crooks, forks, cavities, or broken tops will be retained for wildlife. All trees greater than 30" dbh will be retained. The uneven-aged thinning will promote structural diversity in the stand.**

Species/Habitat: **Gray Squirrel** Protection Measures: **One old nest has been identified (potentially western gray squirrel) within the timber harvest boundary. All currently identified nest trees and any additional discoveries will be protected with a 50' no harvest buffer.**

Species/Habitat: **Northern spotted owls** Protection measures: **Maintain dispersal habitat for NSO's in the 104 acres of the two VDT units.**

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

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 building, timber harvest 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 will occur during periods of increased fire risk as determined by the IFPLs. Fire tools and equipment, including pump trucks and/or pump trailers, will be required on site during fire season.

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 harvesting equipment and hauling 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.*)
Current use of site and adjacent land types: Forest management, agricultural/orchard land, and livestock grazing.

This proposal will not change the use of or affect the current or long term land use of areas associated with this sale.

- 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?
Forest Resource.
- f. What is the current comprehensive plan designation of the site?
Forestry and Range
- 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 zoning classifications.
- m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:
None.

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: **The Oak ridge county road runs through the sale area. The road is rural is has a low volume of traffic.**
 - 2) *How will this proposal affect any views described above?* **The views of the proposal area will appear less densely stocked from the county road, and scattered housing in the vicinity.**
- 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?
There is no designated recreation within the proposal area. However, hunting, hiking, snowmobiling, horseback riding, and other informal outdoor recreation activities may occur within the proposal area.
- 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: **Roads in the project area will remain open to recreationists during the harvest. Signs informing of harvest operations will be posted. The operation is expected to progress quickly and disruptions will be temporary.**

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.
The Oakridge county road bisects the project area and is a travel corridor from Husum towards the Gilmer valley and then through Chapman creek and into the Glenwood valley. It was very likely the route of prehistoric trails, but no recorded locations were discovered in this area. During the preparation of an adjacent timber sale in 2004, the Oakridge county road was determined to be coincident with an old road shown on a GLO map. A portion of the old road was discovered just west of the current county road location. Some old automobile parts and scattered rubbish lined this section.
- 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.
A cultural resource technician preformed a screening of the area using historical USGS maps, GLO maps, a statewide predictive model for likelihood of cultural significance, and DNRs special concerns reporting tool. The sale was traversed by the cultural resource technician and no cultural resources were identified.

- 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.

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 proposal area borders Oak Ridge county road. The DNR has been granted a road approach permit from the county for the timber sale road approaches to the county 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. Nearest transit spot is approximately 17 miles away in Bingen, WA
- 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?
Approximately 10 to 15 truck trips per day while the operation is active. Peak volumes would occur during the skidding and loading activities between 4:00 a.m. and 4:00 p.m. of the operating period. The completed project will generate less than one vehicular trip per day. Estimates are based on the observed harvest traffic 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

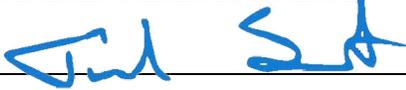
- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.
No.
- b. Proposed measures to reduce or control direct impacts on public services, if any.
None.

16. Utilities

- a. Check utilities currently available at the site:
 electricity natural gas water refuse service telephone sanitary sewer
 septic system other:
- 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 Joseph Smith _____

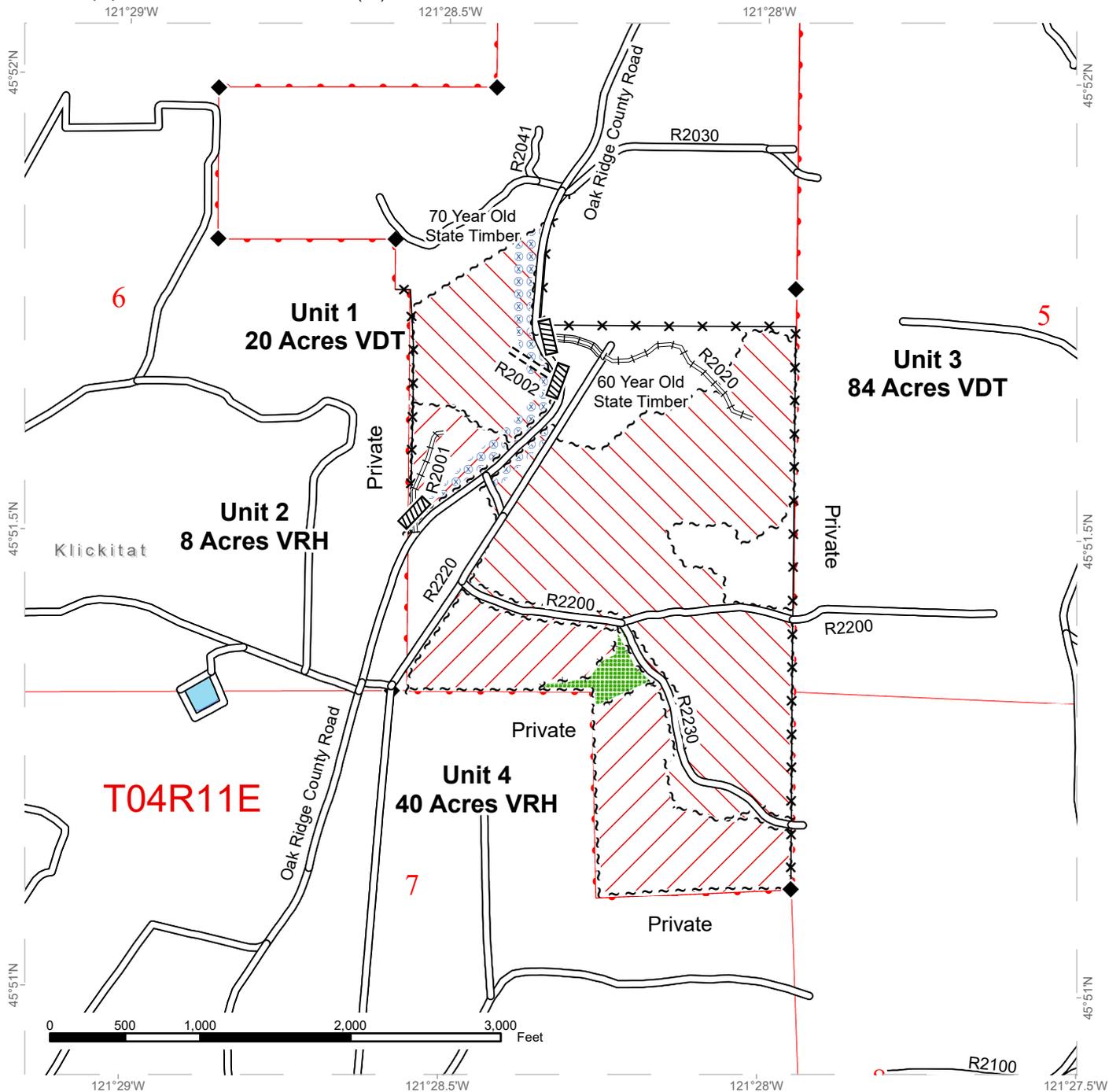
Position and Agency/Organization Forest Operations District Manager, Southeast Region, WA DNR _____

Date Submitted: 09/04/2020 _____

TIMBER SALE MAP

SALE NAME: OAKRIDGE
AGREEMENT #: 30-100091
TOWNSHIP(S): T4R11E
TRUST(S): State Forest Transfer (01)

REGION: Southeast Region
COUNTY(S): Klickitat
ELEVATION RANGE: 1360'-1680'



◆	Survey Monument	—	Existing Roads	▨	Variable Retention Harvest
▨	Culvert	----	Required Construction	▨	Variable Density Thinning
✕-✕	Orchard Fence		Required Reconstruction	□	Townships
~~~~	Sale Boundary Tags	■	Leave Tree Area	□	Sections
~ ~ ~	Leave Tree Tags	⊗	Hazard Abatement Area	□	DNR Managed Lands