

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: **YELLOW BEAR**
Agreement # **30-100357**

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

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

DNR Northwest Region
919 North Township Street
Sedro Woolley, WA 98284
(360) 856-3500
Contact person: Cory McDonald

4. Date checklist prepared: **05/27/2020**

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

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

a. *Auction Date:*
01/27/2021

b. *Planned contract end date (but may be extended):*
03/31/2023

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:*

Harvest units with variable retention harvest (VRH) prescriptions may be treated with herbicides prior to planting. Assessment for treatment will occur after completion of harvest.

b. *Regeneration Method:*

Hand plant conifer seedlings within two years after completion of harvest in the variable retention harvest portions of the proposal, with a possibility of some natural regeneration. An onsite assessment may be conducted to determine the suitability for natural regeneration.

c. *Vegetation Management:*

Treatment to be assessed in 3-5 years. Competing vegetation may be treated by manual cutting and/or herbicide.

d. Other:

Roads: The BR-ML, BR-38, BR-3802, BR-3802-05, BR-3802-08, BR-50, BR-57, BR-61 and BR-82 roads will be used for future management activities.

Rock Pits: The West Bear and Bald View hardrock pits will be used for future management activities.

Road maintenance assessments will be conducted and may include periodic ditch and culvert cleanout, and grading as necessary. Onsite rock may be used for road construction if rock sources are discovered along haul routes or within the sale area.

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: **Pilchuck Creek**

temp

sediment

completed TMDL (total maximum daily load)

Landscape plan:

Watershed analysis:

Interdisciplinary team (ID Team) report:

Road design plan: **Available at Northwest Region Office**

Wildlife report: **Biologist Review of Yellow Bear Timber Sale, June 1, 2020; Implementation of Draft Cave Procedure for the Yellow Bear Timber Sale, December 3, 2019**

Geotechnical report:

Other specialist report(s): **Yellow Bear Timber Sale Old Growth Assessment, June 15, 2020; Forest Hydrologist memos, April 29, 2020**

Memorandum of understanding (sportsmen's groups, neighborhood associations, tribes, etc.):

Rock pit plan: **Available at Northwest Region Office**

Other: **State Soil Survey, 1992; Policy for Sustainable Forests, December 2006; Final Habitat Conservation Plan (HCP) & Environment Impact Statement, September 1997; Riparian Forest Restoration Strategy, April 2006; State Trust Lands Final Habitat Conservation Plan Amendment for the Marbled Murrelet Long-term Conservation Strategy (MM LTCS) (2019); Memorandum for Phase One Implementation of the Marbled Murrelet Long-term Conservation Strategy (12/4/2019)**

Referenced documents may be obtained at the Northwest Region Office.

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

Board of Natural Resources Approval

Burning permit

Shoreline permit

Existing HPA

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.)

a. Complete proposal description:

This is a variable retention harvest (VRH), comprised of 154 net acres, with an estimated harvest volume of 6094.8 mbf of timber. Cedar salvage is included with this proposal, with an estimated additional volume of 129 mbf. Total harvest volume of the proposal area is 6223.8.

Approximately 195 acres were considered for this proposal; this has been reduced to 164 gross acres due to operational feasibility, stream buffers, wetland buffers, and unique habitat areas. The resulting timber sale area consists of approximately 154 net harvest acres after deducting leave tree areas, existing roads and landings.

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	1940	Douglas-fir, western redcedar	Variable Retention Harvest (VRH), even-aged, with a leave tree retention component; Cedar Salvage
2	1929-1944	Western hemlock, silver fir, western redcedar	Variable Retention Harvest (VRH), even-aged, with a leave tree retention component; Cedar Salvage
3	1966	Western hemlock, Douglas-fir	Variable Retention Harvest (VRH), even-aged, with a leave tree retention component; Cedar Salvage
4	1937	Western hemlock, silver fir, western redcedar	Variable Retention Harvest (VRH), even-aged, with a leave tree retention component; Cedar Salvage
5	1950	Western hemlock, silver fir	Variable Retention Harvest (VRH), even-aged, with a leave tree retention component; Cedar Salvage
6	1946	Western hemlock, silver fir	Variable Retention Harvest (VRH), even-aged, with a leave tree retention component; Cedar Salvage
ROW	1929-1986	Western hemlock, Douglas-fir, western redcedar	Variable Retention Harvest (VRH); Cedar Salvage

Overall Unit Objectives:

- **Generate revenue for the State trust beneficiaries.**
- **Protect water quality, maintain site productivity, and maintain wildlife habitat through a leave tree retention strategy.**

This proposal meets or exceeds all guidelines set forth in the DNR Habitat Conservation Plan (HCP), Policy for Sustainable Forests, and Forest Practices Rules and Regulations.

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 (Subgrade) (Estimated)	Fish Barrier Removals (#)	Steepest Side Slope Road Crosses
Construction		1,579	0.6		50%
Reconstruction		3,373		0	25%
Abandonment		548	0.2	0	50%
Temporary construction**		4,229	1.6		50%
Prehaul Maintenance		49,530			
Bridge Install/Replace	0	NA			
Culvert Install/Replace (fish)	0				
Culvert Install/Replace (no fish)	4				
Cross-Drain Install/Replace	29				

**Of the length listed for Construction in the above table, a portion(s) of the length listed may or may not be built as forest road that is constructed and intended for use during the life of an approved forest practices application/notification, then abandoned.

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: Includes harvest units, rock pits, road work and pre-haul maintenance: Sections 1, 2, 10, 11, 12, 13 and 14 of Township 33 North, Range 5 East, Willamette Meridian and Sections 4, 5, 6 and 7 of Township 33 North, Range 6 East, Willamette Meridian**

b. *Distance and direction from nearest town:*

This proposal is approximately 25 miles northeast of Arlington, WA.

This proposal is approximately 22 miles southeast of Sedro-Woolley, 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 may temporarily affect elements of the environment to varying degrees including Geology, Surface water movement/quantity/quality, Soils, Air quality, Noise, Aesthetic, Plants and Animals, and Recreation. However, no cumulative change in the environment is expected from the combination of past and future activities with this proposal.

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.

This proposal as well as past and future activities either meet or surpass Forest Practices Rules by complying with the commitments of the HCP and as such protect water quality and mitigate environmental impacts.

This proposal also meets all requirements of the Marbled Murrelet Long-Term Conservation Strategy.

The Department's Habitat Conservation Plan (HCP) outlines strategies to protect federally listed threatened and endangered species, and species that are in danger of being listed in the future, as well as uncommon habitat types found on forest lands in western Washington. HCP riparian buffers intended to protect salmon and trout habitat were applied to this proposal, and will be applied to all future sales in the vicinity. Wetland buffers have been applied to protect the ecology of all wetlands 0.25 acre or greater. The HCP identifies large, structurally unique trees and snags as uncommon habitats that need to be protected. With the exception of right-of-way units, an average of 8 trees per acre will be left in the proposed VRH areas of the proposal. These trees will function for future wildlife snag and large structurally unique tree recruitment. Multiple areas of remnant old growth conifers will remain on the landscape. These have been excluded from harvest through either being contained within non-tradeable leave tree areas, or have been excluded from the harvest area altogether with white "timber sale boundary" tags. Large remnant snags throughout the proposal will be left standing where operationally feasible. Caves and non-forested talus fields have been excluded from the proposal area. The buffers applied to each of these uncommon habitats meet or exceed the HCP's guidance.

Green Tree Retention Plan: An average of 8 trees per acre will be left in clumped and scattered arrangement that are distributed across the proposal area. These leave trees contain a diversity of tree species and sizes currently found in the proposal area. The clumps are located around features that will contribute to the maintenance of biological diversity such as remnant conifers, snags, large down logs, large wind firm conifer trees, and wildlife trees.

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

- **Retaining Riparian Management Zones (RMZs) and Wetland Management Zones (WMZs) to protect water quality, stream bank integrity, stream temperatures, and provide down woody debris. RMZs and will develop older riparian forest characteristics that, in combination with other strategies, will help support older riparian forest dependent wildlife and aquatic species.**
- **Retaining a minimum of 8 trees per acre (greater than 10 inches diameter at breast height) clumped and scattered throughout the units. This strategy will provide legacy elements for recruitment of future snags, coarse woody debris, multi-layered stands, and large diameter trees. In combination, these features will provide elements of older forest habitat characteristics within the new plantation.**
- **The proposal area has been surveyed for old growth potential. A State Lands Biologist determined that no areas of old growth exists within or around the proposal area.**
- **Large, structurally unique remnant conifers have been excluded from the harvest area**
- **Unique habitats, such as caves and talus fields, have been excluded from the harvest area**
- **The area has been reviewed for its potential impact on any known historically or culturally significant resources. This proposal will have no impact on any known sites, and no new potential sites were discovered during field reconnaissance.**
- **Analyzing, designing, and constructing roads to minimize effects on the environment.**
- **Remote and field reviews were conducted to ensure that all identified potentially unstable slopes that were interpreted as having potential to adversely impact public resources or public safety, were excluded from the harvest areas.**
- **Rule-identified landforms with interpreted delivery potential were excluded from harvest.**
- **No tailholds will be allowed within and no timber will be yarded across any identified Forest Practice rule-identified landforms.**
- **Cross-drains and ditch-outs will be utilized to minimize the potential for mass wasting and slope failures associated with poor drainage by dispersing water onto stable forest floor.**
- **Equipment trails may be water barred post harvesting activities, if necessary to avoid concentrating surface water runoff.**
- **Seasonal timing restrictions are in place to prevent siltation during operations**

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 generally defined as occurring within the next 7

years. This data was obtained from DNR's Land Resource Manager System on the date of processing this checklist and may be subject to change.

WAU Name	Total WAU Acres	DNR-managed 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
LAKE CAVANAUGH	29882	18065	1822	590	764
NOOKACHAMPS	46461	14614	983	403	1897

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:	LAKE CAVANAUGH
WAU Acres:	29882
Elevation Range:	410 - 3936 ft.
Mean Elevation:	1602 ft.
Average Precipitation:	60 in./year
Primary Forest Vegetation Zone:	Western Hemlock
WAU:	NOOKACHAMPS
WAU Acres:	46461
Elevation Range:	16 - 4084 ft.
Mean Elevation:	812 ft.
Average Precipitation:	44 in./year
Primary Forest Vegetation Zone:	Western Hemlock

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)?

94%

- 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 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
9164	GRAVELLY SILT LOAM/V.GRAVELLY LOAM
3305	V.GRAVELLY LOAM
9163	GRAVELLY SILT LOAM/V.GRAVELLY LOAM
1237	GRAVELLY LOAM
0126	V.GRAVELLY LOAM
0143	GRAVELLY LOAM
9160	GRAVELLY SILT LOAM
7439	V.GRAVELLY SILT 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.

The statewide landslide inventory (LSI) screening tool indicates the presence of polygons with an “Unknown level of Certainty” mapped as landslides within and around the proposed harvest unit boundaries. This landslide database is maintained by the Washington State Department of Natural Resources, Forest Practices Division. The LSI includes landslides mapped during many different projects including large-scale geologic mapping, watershed analyses, landscape planning, and landslide hazard zonation, in addition to other case studies and mapping efforts. A large majority of landslides identified by these projects are mapped by remote review with minimal field verification. In addition, dormant and ancient deep-seated landslides are mapped in many projects included in the LSI. A large number of the remotely identified landslides and deep-seated features have been mapped with a questionable, probable, or unknown certainty. As a result, the LSI database is meant to be used as a screening tool and field verification is a necessary step in confirming the absence, presence, and extent of mapped features, as well as their actual level of activity/instability.

Screening was conducted by a Licensed Engineering Geologist (LEG) using GIS, orthophotographs, aerial photographs, published geologic mapping, and field reconnaissance. The LEG identified the presence of inner gorge slopes and dormant-indistinct and relict bedrock landslides in the vicinity of the proposal. All rule identified land forms have been removed from the sale area.

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

No Yes, describe the proposed activities:

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

All potentially unstable slopes have been excluded from the harvest area. Roads are located on gentle terrain and utilize existing road grades where feasible.

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: 3.5

Approx. acreage new landings: 0.5

Fill Source: Native fill or rock

Road construction will utilize standard cut and fill methodology to obtain grade and alignment. Native soil and rock will be excavated from the road prism and used for fill in the sub-grade and over cross drains and stream crossings.

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. Road construction will expose bare soil. Road plan requirements include the use of grass seed or other revegetation methods to protect exposed soils from erosion.

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):*

Less than 2% of the site will remain as gravel 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.)

Contractual measures are in place to limit rutting depth and restrict activity during times of heavy precipitation and/or soil saturation.

For harvest activities, ground-based operations will be limited to sustained slopes generally 35% or less. The use of self-leveling/tethered equipment may be permitted to operate on steeper slopes if conditions permit. The lead end of the logs will be suspended during yarding to reduce soil disturbance.

With the exception of right-of-way areas, no harvest is proposed within riparian or wetland buffers with this proposal. Riparian management zone (RMZ) and wetland management zone (WMZ) buffers as described in B.3.a.1.b and c. will be retained.

All roads will be constructed to meet or exceed Forest Practices standards and the Habitat Conservation Plan guidelines. Appropriate drainage devices including proper culvert size and placement, drain dips, water bars and ditching, will be used as necessary to reduce surface erosion. In areas adjacent to constructed roads where soil disturbances have occurred, straw mulch, grass seed or some other appropriate measure will be used to prevent sediments from being transported.

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: **Bear Creek, Pilchuck 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)
Unnamed	Forested Wetland ≥ 0.25 acre, <1 acre	2	100 feet (measured from the 100-year floodplain)
Unnamed	Forested wetland ≥ 1 acre	2	133 feet – 135 feet (measured from the 100-year floodplain)
Bear Creek; Unnamed	3	3	133 feet – 144 feet (measured from the 100-year floodplain)
Unnamed	4	27	100 feet (measured from the 100-year floodplain)
Unnamed	5	41	30-foot equipment limitation zone

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

RMZ and WMZ buffers listed in B.3.a.1.b. will be retained. The proposed measures to reduce or control erosion described in B.1.h provide protection measures for the surface waters in the vicinity of the proposal area. Additional wind buffers were deemed unnecessary due to the lack of historical evidence of windthrow in the area. Ditchwater will be diverted through relief culverts prior to stream crossing to keep sediment out of stream. Exposed soils will be grass seeded.

- 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.)

(Note: Timber Sale maps are DRAFT at the point of submission of this SEPA.)

Description (include culverts):

Yes, the project includes culvert installations in typed waters. Ditchwater will be diverted through relief culverts prior to stream crossing to keep sediment out of streams. Exposed soils will be grass seeded.

Timber will be felled away from the RMZs and WMZs where practical in order to avoid damage to trees within the RMZs and WMZs. Logs may be placed in equipment trail stream crossings to facilitate yarding and removed upon completion of yarding. Where yarding over type 5 streams is necessary, the leading edge of logs will be suspended to avoid disturbing stream banks.

Approximately 0.6 acre of WMZ has been included in Unit 6 of the proposal. The BR-3802-17 road currently separates this small section from the rest of the WMZ and the wetland itself. To mitigate for this an area of equal size adjacent to the wetland and its buffer, on the opposite side of the road from the harvest area, has been deferred from any future harvest activity. This deferred area will most likely provide greater wetland function than the small area of WMZ included in the proposal. A State Lands biologist has been consulted and approved this harvest and mitigation.

- 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: When necessary to protect water quality, or as required by permit, stream flow may be temporarily diverted around construction area during culvert installations. No surface water withdrawals or diversions are anticipated in fish-bearing streams.**
- 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 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)?*
LAKE CAVANAUGH = 3.8 (mi./sq. mi.)
NOOKACHAMPS = 4.8 (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) *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 limits harvest unit size and proximity to other recent harvests, minimizes the extent of the road network, incorporates road drainage disconnected from stream networks, and implements wide riparian buffers which all have mitigating effects on the potential for this proposal to increase peak flows that could impact areas downstream or downslope of the proposal area.

Rain-on-snow hydrologic maturity analyses were conducted for both sub-basin 12 of the Nookachamps WAU and sub-basin 9 of the Lake Cavanaugh WAU. The Forest Hydrologist found that both of these sub-basins have "low" sensitivity to the proposed harvest and standard forest practice regulations apply".

11) *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):

All streams in the proposal area are tributary to Pilchuck Creek via Bear Creek. Because of the protective measures cited in B.3.a.1.c and B.3.a.2, however, significant changes in water amount, quality or movement should not occur.

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:

12) *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.*

As stated in B.3.a.11, this proposal is not expected to cause a significant increase in peak flows. In order to minimize the risk of road failures during peak flow events, all culverts utilized in new road construction will be sized to withstand a 100-year flood event. Culverts and ditches will be maintained so that they remain functional. Storm patrols will be conducted as necessary on existing and newly constructed roads to identify and address potential erosion problems.

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:

Bear Creek and Pilchuck Creek are located downstream from the proposal. No information was available on whether or not these streams are used as water resources.

There are Forest Practices LSI polygons with an “Unknown Level of Certainty” mapped downstream from this proposal, and overlapping some areas of the harvest units. All areas of slope instability identified in the field by a Licensed Engineering Geologist have been excluded from the proposal.

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: **All areas of slope instability have been excluded from the harvest area. No management activity will occur in RMZs or WMZs.**

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:

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.

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:

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).

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.)

As described in A.11, the overstory vegetation will be removed with the exception of an average of eight trees per acre of 10 inches DBH or greater. This will ensure that a portion of the live trees that are best suited to the site, and/or exhibit desirable wildlife habitat characteristics will be left on site. Most of the current shrubs and herbaceous plants will be disturbed to varying degrees during the timber removal process of this proposal. Large snags will also remain on the landscape where operationally feasible.

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:

The proposal area will be revegetated after harvest. See green tree retention plan in A.13.b., and regeneration method in A.7.b.

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

Corporate databases indicate no known noxious weeds or invasive species in or around the proposal area. However, Himalayan blackberry, bull thistle, Canadian thistle, or Scot’s broom may be found on or near the site.

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*).

None found in corporate database.

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

Pacific flyway Other migration route:

Explain:

All of Washington State is considered part of the Pacific Flyway. No impacts are anticipated as a result of this proposal.

- 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: **Non-Forested Talus Fields**

Protection Measures: **Three areas of talus that are each greater than 1-acre in size received 100-foot no-touch buffers. Additional smaller areas of talus in the area of the proposal that do not meet the HCP's criteria for protection have also been excluded from the harvest area. See *Biologist Review of Yellow Bear Timber Sale (6/1/2020)* for more information.**

Species /Habitat: **Cliffs**

Protection Measures: **Multiple areas with cliff features were identified in the area of the proposal. A Region Biologist assessed these areas and did not find evidence of wildlife use or specific features which may be utilized by wildlife. All of these areas have been excluded from the sale area. More information can be found in the biologist's memorandum, *Biologist Review of Yellow Bear Timber Sale, 6/1/2020*.**

Species /Habitat: **Caves**

Protection Measures: **Four caves in the area of this proposal have been evaluated in the field by a State Lands biologist. Under the draft cave procedure, 30-foot no-harvest buffers have been applied to the entrances of each of the four caves. Due to overlapping riparian and talus field buffers, each cave in the proposal area has been buffered between 160 feet and 330 feet. Further information can be found in the State Lands biologist's memo: *Implementation of Draft Cave Procedure for the Yellow Bear Timber Sale*, located at the NW Region Office.**

Species /Habitat: **Wetland and Riparian Ecosystems**

Protection Measures: **Riparian area protection measures are listed in B.3.a.1.b., B.3.a.1.c. and B.3.a.2. All wetlands greater than 0.25 acre and all type 3 and 4**

streams will be protected with no-harvest buffers. A small portion of a wetland buffer is included in this proposal, and an area of equal or greater size adjacent to the wetland and the remainder of its buffer has been deferred from any future harvest. More information can be found in the biologist's memorandum, *Biologist Review of Yellow Bear Timber Sale*, 6/1/2020.

Species /Habitat: **Mature Forest Components**

Protection Measures: **Small groves of old growth remnant conifers which do not meet the HCP guidelines for protection have been excluded from the harvest area. See Green Tree Retention plan described in A.13.b.**

A DNR corporate database mapped an area of potential old growth within and around a small portion of the proposal. A State Lands biologist assessed the proposal and determined that no old growth exists within or adjacent to the proposed harvest area. The *Yellow Bear Timber Sale Old Growth Assessment* (June 15, 2020) contains more detailed information, and can be obtained at the Northwest Region office.

Species /Habitat: **Potential Marbled Murrelet Habitat Identified for Metering**

Protection Measures: **All areas of the proposal are consistent with the guidance laid out in the "State Trust Lands Final Habitat Conservation Plan Amendment for the Marbled Murrelet Long Term Conservation Strategy" and the "Memorandum For Phase One Implementation of the Marbled Murrelet Long-term Conservation Strategy" (12/4/2019). Areas of the proposed activities overlap with the "possible LTFC; field validation needed" layer. With the exception of ROW units, all harvest units are outside of all actual, field identified long term forest cover. Corrections of these inaccurately mapped areas will be submitted to DNR Division staff, who may then update the layer's spatial data to reflect field-verified areas of LTFC.**

One small portion of the ROW units is in "LTFC", and several other portions are within "Possible LTFC". These ROW units consist mainly of daylighting along the existing Bear Creek Mainline. There is also a small portion of new road construction crossing a type 4 stream. Page eight of the 2019 memorandum includes "new road construction" and "road reconstruction or maintenance" in the list of activities that are allowed in LTFC, in both P-stage and non-habitat areas.

A small portion (roughly 3%) of the harvest units overlap with stands identified for metering. Since this proposal was entered into the DNR's Land Resource Management database prior to November 2019 it is excluded from the harvest deferral guidelines outlined in the December 2019 memorandum.

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

6. Energy and natural resources

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.

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 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.

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

This proposal will not change the use of or affect the current/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? **Industrial Forest – Natural Resource Lands**

- f. What is the current comprehensive plan designation of the site? **Industrial Forest – Natural Resource Lands**

- 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:
Portions of this proposal may be visible from various areas near the community of Lake Cavanaugh. This proposal is located within a large landscape of managed forest with multiple recent harvests in the vicinity. This proposal will

fit in with these other visible harvests. Leave tree patterns, Riparian Management Zones, and Wetland Management Zones will help mitigate any visual impacts.

2) *How will this proposal affect any views described above?*

Although this proposal may be visible to the public, the majority of the landscape where this proposal will occur is managed as commercial forest land, and as such consists of forest stands with a wide range of age classes, including recently harvested areas.

- c. Proposed measures to reduce or control aesthetic impacts, if any: **Timber harvesting is a normal occurrence in the vicinity of the proposal, and recent timber harvests are visible throughout the area. Within and around the proposal area, un-harvested stands, riparian buffers, leave tree clumps and numerous other areas deferred from harvest will remain to reduce the visual impact. These residual stands will break up the view of the harvested area considerably, and will help maintain the aesthetic quality of the area.**

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?
A portion of the Walker Valley ORV trail system is nearby the proposal. Additionally, informal recreational opportunities exist in the vicinity including hiking, mountain biking, hunting, berry picking, and mushroom picking.
- 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:
Designated skid trails will be used when harvesting near recreation trails. Contractual measures are also in place to ensure that any damage to trails will be repaired.

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 are known.

- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.

There were no potential cultural resources identified during field reconnaissance. A Department of Natural Resources State Lands Cultural Resource Technician (CRT) reviewed the proposed activity area and found no issues or concerns that will result from this proposal. Local and national preservation registers, Forest Practices and DNR corporate database runs indicate the presence of a GLO trail, a GLO spring and three DAHP archaeology sites (SK00516, SK00517 and SK00566) documented within one mile of the sale area. These sites have been previously reviewed by an archaeologist. Sites which have been deemed eligible for protection have been protected with previous projects. Furthermore, the CRT determined that the proposed Forest Practice activity will have no impact on any known historic or cultural resources.

- 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.

In addition to the methods described in B.13.b., The Upper Skagit Indian Tribe, Tulalip Tribes, Samish Indian Nation, Lummi Nation, Sauk-Suiattle Indian Tribe, Stillaguamish Tribe of Indians, and Swinomish Indian Tribal Community were contacted to ensure no unknown culturally significant sites are located within the proposal area, or will be affected by this proposal. No response has been received as of the submission date for this application.

- 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 site is served by Lake Cavanaugh Road. There will be no addition of public roads to access the site as a result of this proposal.

- 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 18 miles away.

- 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 yarding 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

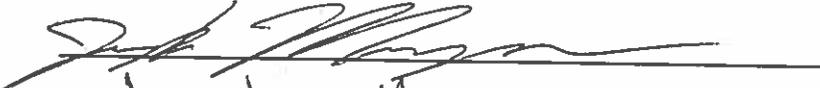
septic system other:

- 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 Magnuson

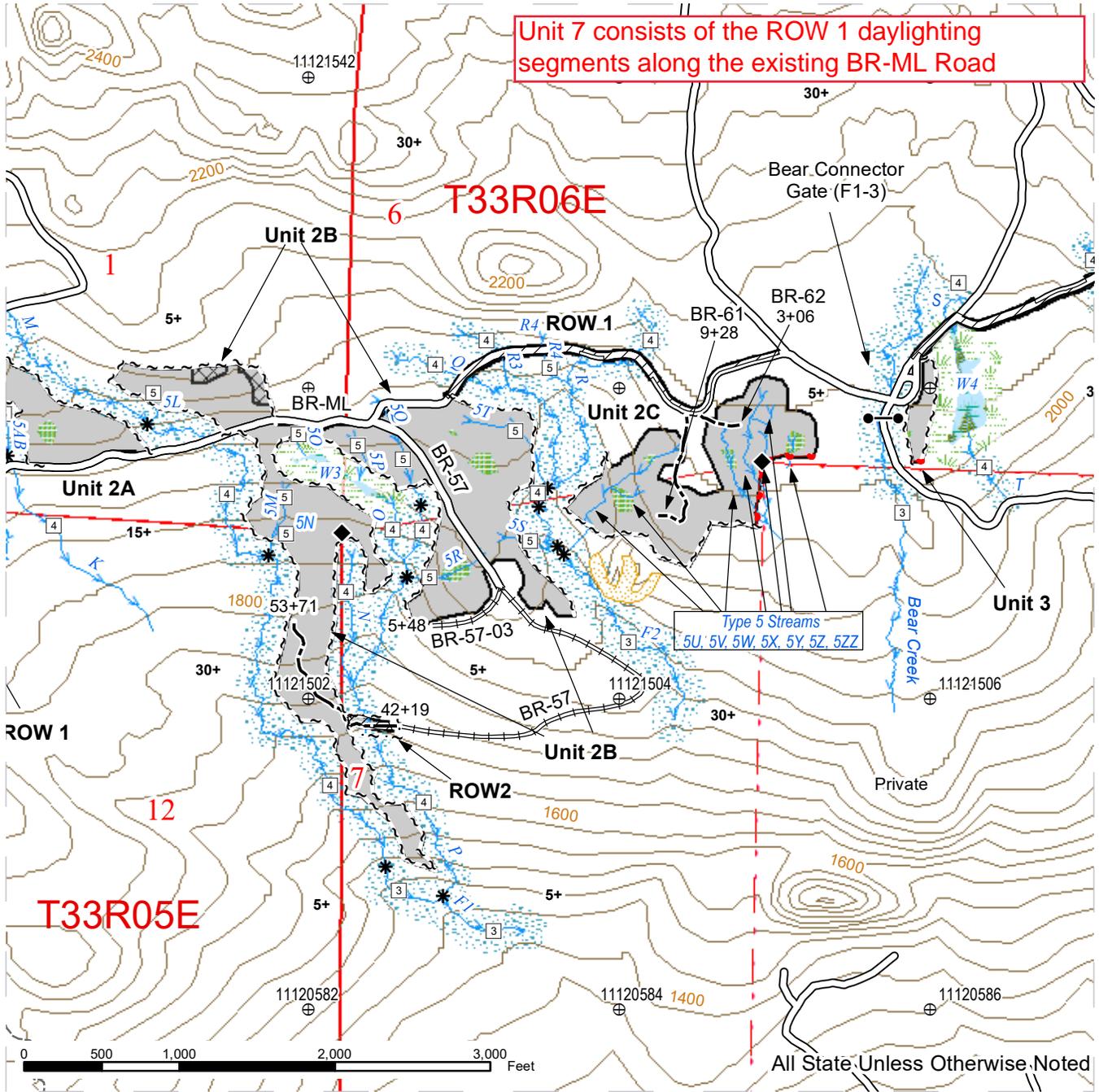
Position and Agency/Organization Cavanaugh Unit Forester/DNR-NW

Date Submitted: _____

FOREST PRACTICES ACTIVITY MAP

SALE NAME: YELLOW BEAR
 APPLICATION #: TBD by FP Staff

COUNTY(S): Skagit
 TOWNSHIP(S): T33R05E, T33R06E

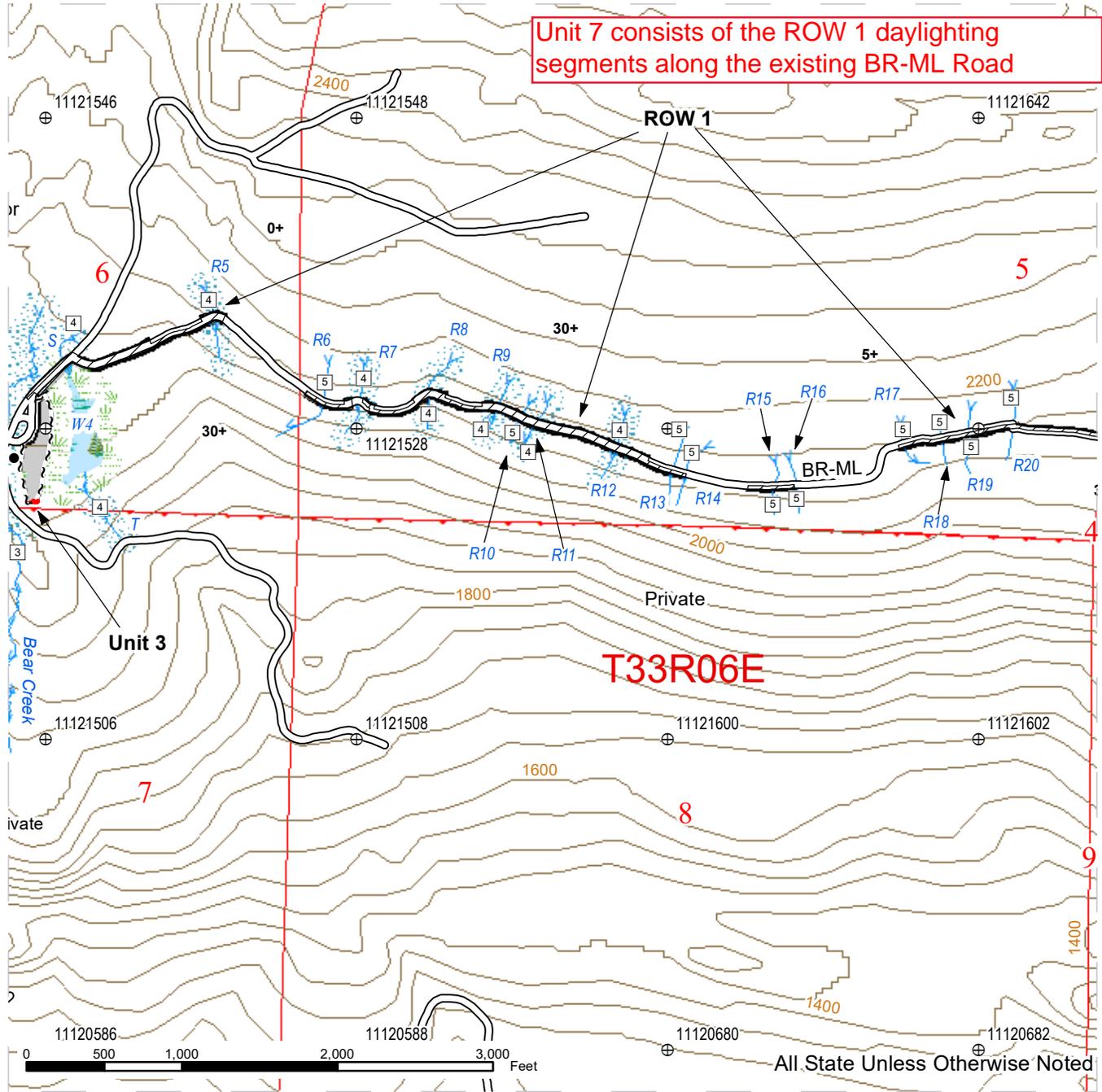


Sale Area	Streams	Gate (F1-3)	Talus
ROW Units	Stream Type 3	Survey Monument	Non-Tradeable LTA
Sale Boundary Tags	Stream Type 4	Tics - 2000' Interval	Leave Tree Area
Right of Way Tags	Stream Type 5		Riparian Mgt Zone
Property Line	Stream Break		Forested Wetland
Existing Roads			Wetland Mgt Zone
Temporary Construction			DNR Managed Lands
Temporary Reconstruction			
NW DNR Trails			
Trail Status:			
Designated			

FOREST PRACTICES ACTIVITY MAP

SALE NAME: YELLOW BEAR
 APPLICATION #: TBD by FP Staff

COUNTY(S): Skagit
 TOWNSHIP(S): T33R5E, T33R6E



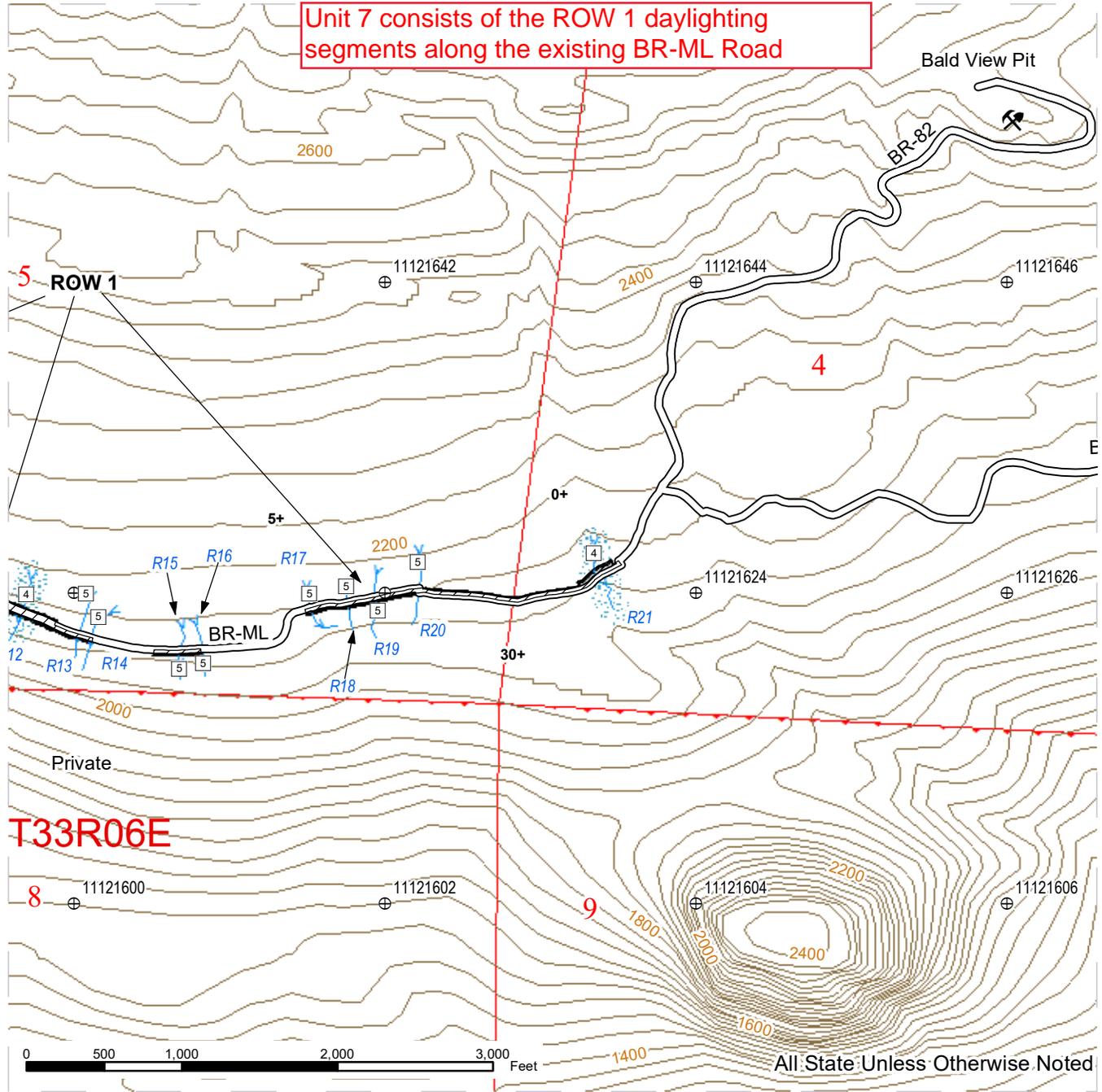
Unit 7 consists of the ROW 1 daylighting segments along the existing BR-ML Road

Sale Area	Streams	Gate (F1-3)
ROW Units	Stream Type 3	Tics - 2000' Interval
Sale Boundary Tags	Stream Type 4	Leave Tree Area
Property Line	Stream Type 5	Riparian Mgt Zone
Existing Roads		Forested Wetland
Contours 40-foot		Wetland Mgt Zone
		DNR Managed Lands

FOREST PRACTICES ACTIVITY MAP

SALE NAME: YELLOW BEAR
 APPLICATION #: TBD by FP Staff

COUNTY(S): Skagit
 TOWNSHIP(S): T33R5E, T33R6E



Sale Area	Streams	Rock Pit
ROW Units	Stream Type 4	Tics - 2000' Interval
Existing Roads	Stream Type 5	Riparian Mgt Zone
Contours 40-foot	DNR Managed Lands	

