

I have reviewed this SEPA checklist and have included comments in blue.

1/12/2024

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KP

2618236

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: **BLUE VIEW**

Agreement # **30-103762** FPA 2618236

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

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

Mike Potter
411 Tillicum Lane
Forks, WA 98331
(360) 374-2800

4. Date checklist prepared: **11/17/2023**

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

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

a. Auction Date:

04/24/2024

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

10/31/2027

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:

Assessment will occur after completion of harvest. Site preparation including a chemical herbicide application, may be used to ensure that planting is successful at acceptable levels to meet or exceed Forest Practice standards.

b. Regeneration Method:

Sale area will be hand planted with native conifer seedlings following harvest.

c. Vegetation Management:

A continued assessment of units to determine future vegetation management strategy will be required. Treatments will be based on vegetative competition and will ensure a free-to-grow status that complies with Forest Practice standards.

d. Other:

Road maintenance assessments will be conducted and may include periodic ditch and culvert cleanout, and grading as necessary.

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: **OESF Forest Land Plan (FLP)**
- Watershed analysis: **Hoko , Sol Duc Valley** -Per Mike Potter
1/12/24
- Interdisciplinary team (ID Team) report:
- Road design plan: **Blue View Timber Sale Road Plan (Dec.6, 2023)**
- Wildlife report:
- Geotechnical report:
- Other specialist report(s):
- Memorandum of understanding (sportsmen's groups, neighborhood associations, tribes, etc.):
- Rock pit plan: **Mary Clark Pit plan dated 12-11-2023, Clover Pit plan dated 12-11-2023**
- Other: **NSO Best 70 Map**

A geologic risk assessment dated 11/2/2023 was included with the submission of FPA 2618236. This report is available on FPARS along with the SSIF and SSIF maps.

Referenced documents may be obtained at the region office responsible for this proposal. The following analyses, policies, procedures, documents, and data layers directly pertain to or were reviewed as part of this proposal:

- **DNR Policies and Implementation**
 - *Policy for Sustainable Forests (PSF; 2006a)*
 - *Final Environmental Impact Statement on the Policy for Sustainable Forests (2006b)*
 - *Alternatives for the Establishment of a Sustainable Harvest Level for Forested State Trust Lands in Western Washington Final Environmental Impact Statement (2019)*
 - *Silvicultural Rotational Prescriptions*
 - *Land Resource Manager Reports and associated maps*
- **DNR Trust Lands Habitat Conservation Plan and Supplemental Information**
 - *Final Habitat Conservation Plan (HCP; 1997)*
 - *Final (Merged) Environmental Impact Statement for the Habitat Conservation Plan (1998)*
 - *Long-Term Conservation Strategy for the Marbled Murrelet Final Environmental Impact Statement (2019)*
 - *Final State Trust Lands Habitat Conservation Plan Amendment: Marbled Murrelet Long-term Conservation Strategy*
 - *Riparian Forest Restoration Strategy (RFRS; 2006)*
 - *Spotted Owl Habitat Layer*
 - *Marbled Murrelet Habitat Layer*
 - *WAU Rain-On-Snow GIS Layer and Reports*
- **Forest Practices Regulations and Compliance**

- *Forest Practices Board Manual*
- *Forest Practices Activity Maps*
- *Trust Lands HCP Addendum and Checklist*
- *Supporting Data for Unstable Slopes Review*
 - *State Lands Geologist Remote Review (SLGRR)*
 - *Landslide Remote Identification Model (LRIM) tool*
 - *Forest Practices Statewide Landslide Inventory (LSI) screening tool*
- *Supporting Data for Cultural Resources Review*
 - *Historical Aerial Photographs*
 - *USGS and GLO maps*
 - *Department of Archaeology and Historic Preservation database for architectural and archaeological resources and reports (WISAARD)*
- *Additional Supporting Data for Policy Compliance*
 - *Weighted Old Growth Habitat Index (WOGHI)*
 - *State Soil Survey*

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 #* 2618236 *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:

The Blue View timber sale application #30-103762, and associated forest practice #xxx is a 4-unit timber sale proposal with 3 units of Variable Retention Harvest (VRH) and 1 unit of Right of Way (ROW) harvest. The proposal has a cruised volume of 3,162 mbf and is located in the Pysht, Hoko and Upper Sol Duc Watershed Administrative Units. The proposed harvest encompasses approximately 167 gross acres, of which there are 97 acres of VRH, 1 acre of ROW, 60 acres of Riparian Management Zones (RMZs) and unstable slope protection, 6 acres of Leave Tree Areas (LTAs), and 3 acres of existing roads. The sale area will be harvested using predominately cable logging methods with minor amounts of ground-based harvesting along the ridge tops. Approximately 33,962 feet of pre-haul maintenance and 3,180 feet of new construction is planned to provide access to the sale area. Rock will be obtained from Mary Clark and Clover pits.

FPA 2618236 proposal also includes approximately 51,000 cy of spoils and 0.5 acres of new rock pit development.

Unit	Proposal Acres (gross)	RMZ/WMZ Potentially Unstable Slope Acres	Existing Road Acres (within unit)	Leave Tree Clump Acres	Net Harvest Acres
1	120	45	2	4	69
2	42	15	1	1	25
3	4	0	0	1	3
4	1	0	0	0	1
Totals	167	60	3	6	98

Net harvest acres matches FPA 2618236 Q19.

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	% Slope	Elevation Range'
1	1954-1964	Western Hemlock, Silver Fir	10-110	1680 - 2380
2	1934-1966	Western Hemlock, Silver Fir	10-85	1670 - 2000
3	1963	Western Hemlock, Silver Fir	10-55	2150 - 2260
4	1964	Western Hemlock, Silver Fir	0-40	2220 - 2250

Type of Harvest:

Unit	Harvest Type (VDT/VRH/etc.)	Volume to be Harvested (mbf)	Volume to be Harvested (%)	Individual Leave Trees	Clumped Leave Trees	Total Leave Trees
1	VRH	2,265	98	18	542	560
2	VRH	781	98	30	170	200
3	VRH	85	98	0	29	29
4	ROW	31	100	0	0	0

MBF volume to be harvested matches FPA 2618236 Q19.

Overall Unit Objectives:

The overall objectives for this sale include the production of saw logs and pulp material to generate revenue for trusts while expediting the development of a more diverse multi-storied canopy layer in the future stand. This will be accomplished through the leave tree retention strategy and riparian management zones (RMZ). Approximately 65 acres (39%) have been set aside for RMZs, unstable slopes and LTAs. These stands will be managed to protect site productivity and maintain the integrity and water quality of adjacent streams.

Ecological- Promote diverse forest structure across the landscape while preserving ecological integrity and function.

Economic- Generate revenue for the State Forest Transfer (01) Trust.

Statute- Comply with Washington DNR's HCP, OESF FLP, the Policy for Sustainable Forests, and Forest Practice Rules and Regulations.

Social- Accommodate dispersed informal recreational activities on DNR managed lands while also identifying and protecting historical and archaeological sites consistent with state/federal law.

Specific objectives are to provide riparian protection, protection of moderate or high risk of slope failure and delivery to a public resource, protection of soils and habitat, and conservation for threatened and endangered species. Riparian protection measures were designed for all waters in and adjacent to this proposal in accordance with DNR's OESF Riparian strategy.

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		3,180	1.0	0
Reconstruction		0		0
Maintenance		33,962		0
Abandonment		0	0	0
Bridge Install/Replace	0			0
Stream Culvert Install/Replace (fish)	0			
Stream Culvert Install/Replace (no fish)	1			
Cross-Drain Install/Replace	18			

Rock Pits: Rock will be obtained from Mary Clark and Clover pits

New construction matches FPA 2618236 Q16.

Per FPA 2618236 Q17, 0.5 acres of new rock pit development will occur in Clover Pit.

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: T30-0N R13-0W S01

Proposal is located in Clallam County.

b. Distance and direction from nearest town: The sale is located approximately 17 miles north of Forks WA on the E-2000 road system.

13. Cumulative Effects

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

This proposal is located within the Pysht River, Hoko and Upper Sol Duc WAUs. Ownership across the WAUs includes large industrial forests managed for timber production. Forested stands within the WAU appear to be primarily second and third growth stands with old growth stands found on state and federal ownership scattered across the landscape. The number of forest practice activities shown on the WAU maps, along with observations within the WAU indicate that the WAU's are intensively managed for timber production.

DNR analyzed carbon sequestration and carbon emissions from projected land management activities within its final environmental impact (FEIS) statement for the 2015-2024 Sustainable Harvest Calculation and the FEIS for the 2019 HCP Long-Term Conservation Strategy for the Marbled Murrelet. At the western Washington scale, land management activities on DNR-managed lands sequester more carbon than emitted. Individual activities, such as this proposal, are likely to emit some greenhouse gases, including CO₂; however, at the landscape scale, DNR's sustainable land management activities, including this proposal, sequester more carbon than they emit. Evaluating carbon sequestration at the western Washington scale is appropriate because a determination of net carbon emissions must consider both the carbon sequestered and the carbon emissions from management within the same analysis area (western Washington).

Recognizing the climate and carbon benefits of working forests in Washington's Climate Commitment Act (RCW 70A.45.005), the legislature found that Washington should maintain and enhance the state's ability to continue to sequester carbon through natural and working lands and forest products. Further, "Washington's existing forest products sector, including public and private working forests and the harvesting, transportation, and manufacturing sectors that enable working forests to remain on the land and the state to be a global supplier of forest products, is, according to a University of Washington study analyzing the global warming mitigating role of wood products from Washington's private forests, an industrial sector that currently operates as a significant net sequesterer of carbon. This value, which is only provided through the maintenance of an intact and synergistic industrial sector, is an integral component of the state's contribution to the global climate response and efforts to mitigate carbon emissions." RCW 70A.45.090(1)(a).

The legislature also found that the 2019 Intergovernmental Panel on Climate Change (IPCC) report "identifies several measures where sustainable forest management and forest products may be utilized to maintain and enhance carbon sequestration. These include increasing the carbon sequestration potential of forests and forest products by maintaining and expanding the forestland base, reducing emissions from land conversion to non-forest uses, increasing forest resiliency to reduce the risk of carbon releases from disturbances such as wildfire, pest infestation, and disease, and applying sustainable forest management techniques to maintain or enhance forest carbon stocks and forest carbon sinks, including through the transference of carbon to wood products" (2020 Washington Laws Ch. 120 §1(2)).

DNR is legally required (RCW 79.10.320) to periodically calculate a sustainable harvest level and manages state trust lands sustainably. DNR has also maintained (statewide) a forest management certificate to the Sustainable Forestry Initiative standard since 2006. In managing state trust lands sustainably, DNR sequesters more carbon than it emits while conducting land management activities such as this proposal. The timber harvested from DNR-managed lands is used to produce climate-smart forest products. The climate impacts of DNR's land management are analyzed in multiple environmental impact statements that have informed the Board of Natural Resources' decisions and are consistent with the IPCC, which states that "[m]eeting society's needs for timber through intensive management of a smaller forest area creates opportunities for enhanced forest protection and conservation in other areas, thus contributing to climate change mitigation."

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 and all future management activities on DNR lands will be conducted in accordance with the DNR's Habitat Conservation Plan (HCP, 1997), the Policy for Sustainable Forests (2006), and Forest Practice Rules. The HCP is an agreement with the federal government that requires the DNR to manage the landscapes with the intent to preserve and enhance habitat. In accordance with its terms, the following applicable strategies are found to provide a conservation benefit for multiple species:

- **Deferring harvest from unstable slopes.**
- **Retaining Riparian Management Zones (RMZs) on typed waters. This includes a variable width interior core buffer on type 3, 4 and unstable type 5 streams.**
- **Retaining a minimum of 8 leave trees per acre dispersed and clumped throughout VRH units.**
- **Designing, constructing, and maintaining a road system to minimize potential adverse effects on the environment.**
- **Implementing procedures pertaining to threatened and endangered species.**

In concert, the HCP strategies for Northern Spotted Owl, Marbled Murrelet, and riparian conservation will contribute to the retention and development of older forests, while the leave tree procedure will enhance the structural diversity of forests across the landscape. In addition, road construction and maintenance standards will improve the quality of the existing road network and reduce impacts on the environment.

Development of older forests is an expected outcome of the 1997 Trust Lands Habitat Conservation Plan (HCP), and a policy objective stated in DNR's Policy for Sustainable Forests. Landscape assessments made in May 2021, demonstrate that through implementation of the HCP and other Policies and laws, older forest include identified long-term forest cover under the Marbled Murrelet long-term conservation strategy, riparian areas, areas conserved under the multispecies conservation strategy, potentially unstable slopes, spotted owl nest patches, and spotted owl habitat that must be maintained to comply with the northern spotted owl conservation strategy. The Olympic Experimental State Forest HCP Planning Unit meets at least 10% older forest within conservation areas presently.

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

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

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

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

e. Complete the table below with the reasonably foreseeable future activities within the associated WAU(s) (add more lines as needed). Future is 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
PYSHT RIVER	63642	1948	33	0	1306
SOL DUC VALLEY	45673	14316	1284	48	709
HOKO	62220	11134	1150	0	1052

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:	PYSHT RIVER
WAU Acres:	63642
Elevation Range:	0 - 2654 ft.
Mean Elevation:	344 ft.
Average Precipitation:	67 in./year
Primary Forest Vegetation Zone:	Western Hemlock

WAU:	SOL DUC VALLEY
WAU Acres:	45673
Elevation Range:	265 - 3133 ft.
Mean Elevation:	963 ft.
Average Precipitation:	101 in./year
Primary Forest Vegetation Zone:	Western Hemlock

WAU:	HOKO
WAU Acres:	62220
Elevation Range:	0 - 2656 ft.
Mean Elevation:	515 ft.

Average Precipitation:
Primary Forest Vegetation Zone:

103 in./year
 Western Hemlock

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

This proposal is located at the upper elevation reaches of these WAU's.

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

110% Steepest slope on site matches FPA 2618236 Q19.

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
3031	GRAVELLY LOAM
4622	GRAVELLY LOAM

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

No, go to question B-1-e.

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

This proposal is located on a range of steep slopes and immediately adjacent to incised stream channels with shallow failures evidenced by over-steepened slopes and exposed bare soil. Inner gorges, shallow landslides, bedrock hollows, debris flows, and Category E features were identified around the sale area. With the exception of two bedrock hollows, these features were excluded from the proposal.

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

Geo assessment, SSIF, & SSIF maps are included on FPARS with FPA 2618236.

No Yes, describe the proposed activities: **The proposed timber sale includes road construction over two bedrock hollows on the E-2004 road, and a debris flow (2022) on the E-2000 road. It also includes removal of a shallow landslide (1971) debris lobe over the E-2000 road.**

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

All RIL's identified within the harvest boundaries of this proposal have been excluded from the harvest area. The areas referenced in B.1.d.1. are located on roads needed for access. Mitigation measures for road construction through the 2022 debris flow and bedrock hollows include the following:

- Removal of accumulated loose soil from within the E-2004 right of way**
- Full-bench road construction in bedrock hollow**
- Construction of embankments keyed into bedrock across the 2022 Debris Flow and bedrock hollow**
- Construction materials consisting of free-draining, angular, interlocking rip rap to Allow drainage through the bedrock hollow crossings.**

Mitigation measures for road reconstruction through the 1971 Shallow Landslide Include the following:

- Removal of a portion of the slide mass**
- Installation of a rip rap buttress to restrain the remaining slide mass**
- Ditch line construction and French drain installation to drain water off the slope**
- Riprap armoring through ditch and along cut slope to reduce slope ravel and ditch clogging**

- e. Describe the purpose, type, total area, and approximate quantities and total affected area of any filling, excavation, and grading proposed. Indicate source of fill.

Approx. acreage new roads: 1.0

Approx. acreage new landings: 1

Fill Source: Clover Pit / Mary Clark Pit

- f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.
Yes. Some erosion could occur as a result of building new roads, installing culverts, and hauling timber.

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? *Approximate percent of proposal in permanent road running surface (includes gravel roads):*

Less than 1% 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.)

Harvesting and road construction will be restricted during periods of heavy rainfall when rutting and surface erosion may occur. Roads will be constructed with properly located ditches, ditch-outs, and cross-drains to divert water onto stable forest floors and/or into stable natural drainages. Best management practices will be utilized as necessary in proximity to live waters. Ground based operations will be suspended during periods of wet weather or wet soil conditions when rutting of skid or shovel roads begins.

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, Hoko River, Pysht River, Strait of Juan de Fuca, Cold Creek, Beaver Creek, Sol Duc River, Quillayute River, Pacific Ocean.**

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

Wetland, Stream, Lake, Pond, or Saltwater Name (if any)	Water Type	Number (how many?)	Avg RMZ/WMZ Width in feet (per side for streams)
Un-named	4	12	100-230
Un-named	5	36	10-80

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

In accordance with the Habitat Conservation Plan, on typed waters, all floodplains and unstable slopes are protected with variable width interior core buffers based on site specific conditions. Type 4 streams have been protected with a 100'-230' buffer. All floodplains and unstable slopes have been excluded from harvest. Unstable Type 5 streams are protected with a variable width interior core buffer of 10'-80' and a 30' equipment limitation zone. Wind-throw probability modeling and field assessments were done on the sale area and determined that 4 segments of Type 4 streams were at high risk of severe endemic wind-throw for the interior core buffers, so an additional 80' external wind buffer has been applied.

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

- 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):

Timber felling, bucking, yarding, and road maintenance and construction will occur within 200 feet of all the described waters above. All activities will be done in accordance with the DNR's HCP and Forest Practice rules. Timber harvest will occur within 200 feet of typed waters, but no closer than described above in questions B.3.a.1.b and B.3.b. Culvert work listed in A.11.b will occur within 200 feet of the described waters above.

- 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.
It is not likely that any waste materials will be discharged into the surface water(s). However, minor amounts of oil, fuel, and other lubricants may inadvertently be discharged to the adjacent surface water(s) as a result of heavy equipment use or mechanical failure. No lubricants will be disposed of on-site.
- 7) *Is there a potential for eroded material to enter surface water as a result of the proposal considering the protection measures incorporated into the proposal's design?*
- No* *Yes, describe:*
Soils and terrain susceptible to surface erosion are generally located on slopes steeper than 70%. The potential for eroded material to enter surface water is minimized due to the erosion control measures and operational procedures outlined in B-1-h.
- 8) *What are the approximate road miles per square mile in the associated WAU(s)?*
- PYSHT RIVER = 2.8 (mi./sq. mi.), SOL DUC VALLEY = 4.2 (mi./sq. mi.), HOKO = 4.3 (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 work 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:

There is evidence of changes to channels across the WAU(s). These changes are a result of natural events such as spring runoff from snowmelt and significant storm events. Channel migration, scouring, and deposition of material can be seen in channels across the WAU(s); this indicates those channels historically experience higher water levels and peak flows

11) *Describe any anticipated contributions to peak flows resulting from this proposal's activities which could impact areas downstream or downslope of the proposal area. It is not likely the proposed activity will change the timing, duration, or volume of water during a peak flow event. This proposal 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.*

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): **Sol Duc Hatchery, Hoko River Hatchery and numerous domestic water intakes.**

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.*

Restricting timber harvest, road construction and road maintenance activities during peak rain events will allow for increased resource protection. Road development and maintenance standards will minimize impacts by using cross-drains and ditch-outs to release ditch water onto stable forest floors where flow energy can dissipate prior to reaching stream channels. Maintaining RMZ's on streams will aid bank stability, hydrologic functions, and provide recruitment of LWD. See B.1.d.2, B.1.h, and B.3.a.1 for additional details on protections measures within this proposal.

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.

- 1) *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: **Sol Duc Hatchery, Hoko River Hatchery and numerous domestic water intakes.**

3)

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:

Restricting timber harvest, road construction and road maintenance activities during peak rain events will allow for increased resource protection. Road development and maintenance standards will minimize impacts by using cross-drains and ditch-outs to release ditch water onto stable forest floors where flow energy can dissipate prior to reaching stream channels. Maintaining RMZ's on streams will aid bank stability, hydrologic functions, and provide recruitment of LWD. See B.1.d.2, B.1.h, and B.3.a.1 for additional details on protections measures within this proposal.

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).

Approximately 3,162 MBF of 57 - 89 year old timber will be harvested with this proposal.

Approximately 98 acres of timer will be harvested per FPA 2618236 Q19

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." Proposed documents also available for review at the DNR Region Office.)

Unit 1 is bordered to the east and south by private and federal timber, to the north by 59 year old state timber and to the west by 89 year old state timber and Unit 2 of this proposal.

Unit 2 is bordered to the south by 73-89 year old state timber, to the west by private timber, to the north by 59 year old state timber and to the east by Unit 1 of this proposal.

Units 3 is bordered to the north by private timber and all other sides 59 year old state timber.

Unit 4 is a ROW harvest which connects unit 1 and 3.

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

None found in corporate database

FPRAM review indicates no potential conflicts with T&E plant species.

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

Retaining existing stands within bounded out areas throughout the proposal, leave tree areas within harvest units, and replanting with native conifer species following harvest. Other native conifer and deciduous species may regenerate naturally onsite.

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

Himalayan blackberry, 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
BLUE VIEW U1	Marbled murrelet	Threatened	Endangered

- 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:

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

Species /Habitat: Spotted Owl – The DNR mitigates for the potential of significant adverse environmental impacts to northern spotted owls in the OESF by implementing the HCP strategy. This strategy established threshold percentages for spotted owl habitat on DNR-managed lands for Landscape Planning Units (LPU). Each LPU is managed to achieve and maintain at least 20% Old Forest Habitat and at least 40% of Old and Young Forest (or Structural) Habitat types taken together according to a schedule of habitat enhancement and harvest activities developed within the Forest Land Plan (FLP). The Sekiu SOMU is at 12.2% Young Forest habitat and 0% Old Forest. All units within the proposal are considered non-habitat in accordance to the OESF NSO Habitat Model. This sale is located within the Cold Creek Status 1R owl circle and is approximately 1.4 miles away from the best 70 acre core.

FPRAM review indicates proposal is within the Cold Creek NSO median home range circle, and is not in the best 70. HCP applies.

Species/Habitat: Marbled Murrelet-This proposal does not occur within a marbled murrelet special habitat area, occupied site or buffer, or contain murrelet habitat (P-stage) that has been designated for metering. Previously modeled long term forest cover (LTFC) is being updated as a result of layout fieldwork.

FPRAM review indicates proposal is within a MM detection area and within 1.5 mile occupied buffer. HCP applies.

Species /Habitat: Riparian– Interior core buffers have been applied to all Type 4 and unstable 5 waters as well as equipment limitation zones on all typed waters, as described in

B.3.a.1)b). Buffers are designed to protect the unstable portions of the stream banks, protect waters from siltation, and decrease water temperatures by providing shade and cover. Buffers also allow the natural occurrence of woody debris that provides pools and eddies for fish habitat along stream banks. Furthermore, these buffers will develop old-forest characteristics that, in combination with the owl and murrelet strategies, will help support old-forest dependent wildlife.

Species /Habitat: Upland – Wind-firm, dominant, and structurally unique trees were targeted for retention. A minimum of eight trees per acre were retained individually and in clumps to provide habitat structures for wildlife species within VRH units. Timber removal will temporarily create open environments that provide valuable foraging and potential habitat for a variety of wildlife species associated with early-stage forest environments.

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

There are no known invasive animal species on or near the site.

6. Energy and natural resources

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

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:

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.

Communications Towers

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

No.

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

Commercial Forest Land

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

Commercial Forest

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

Not applicable.

- h. Has any part of the site been classified as a critical area by the city or county? If so, specify.

No.

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

None.

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

None.

- k. Proposed measures to avoid or reduce displacement impacts, if any:
Does not apply.
- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:
This project is consistent with current comprehensive plans and 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:
- 2) *How will this proposal affect any views described above?*
Not applicable
- c. Proposed measures to reduce or control aesthetic impacts, if any:
Not applicable

11. Light and glare

- a. What type of light or glare will the proposal produce? What time of day would it mainly occur?
None.
- b. Could light or glare from the finished project be a safety hazard or interfere with views?
No.
- c. What existing off-site sources of light or glare may affect your proposal?
None.
- d. Proposed measures to reduce or control light and glare impacts, if any:
None.

12. Recreation

- a. What designated and informal recreational opportunities are in the immediate vicinity?
Dispersed informal recreation in the form of hiking, hunting, berry picking, and sightseeing. Logging roads are also used for ATV/motorcycles, mountain bike riding, and horseback riding
- b. Would the proposed project displace any existing recreational uses? If so, describe.
There may be some disruptions to recreational use during periods of harvesting and hauling.
- c. Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any:
None

13. Historic and cultural preservation

- a. Are there any buildings, structures, or sites, located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers? If so, specifically describe.
No FPRAM review indicates no conflict with cultural or historical sites or resources.
- 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 sale area was reviewed by a Cultural Resource Technician. No cultural resources are present within the sale and there will be no impacts to potential sites identified in the area. FPRAM review indicates no conflict with archaeological or cultural sites or 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. **A check of the Department of Archaeology and Historic Preservation (DAHP) database, Land Resource Manager (LRM) Special Concerns Report, DNR GIS LiDAR hill shade data, and historical maps were used to identify cultural resources in the proposed project area.**
- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required. **If presently-unknown skeletal remains, cultural resources, or both become known during project operations, DNR will comply with the Discovery of Skeletal Remains or Cultural Resources procedure.**

14. Transportation

- a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any. **US Hwy 101, SR 113**
- 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 8 miles away.**
- c. 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.**
- d. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. **No.**
- e. 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.**

- f. 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.

- g. 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: Mike Potter

Name of signee Mike Potter

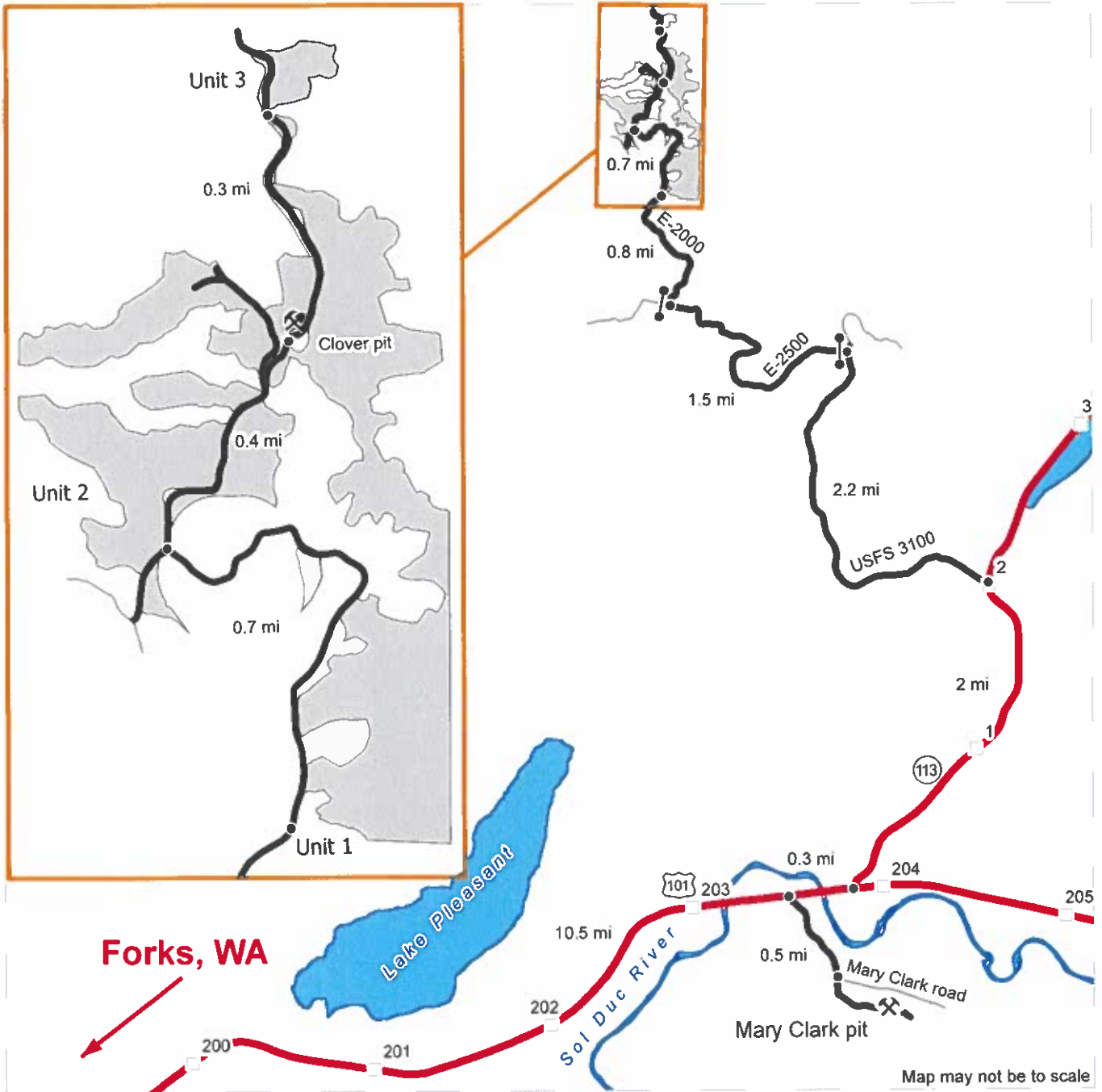
Position and Agency/Organization DNR/Olympic

Date Submitted: 1/4/24

DRIVING MAP

SALE NAME: BLUE VIEW
AGREEMENT#: 30-103762
TOWNSHIP(S): T30R13W
TRUST(S): State Forest Transfer (1)

REGION: Olympic Region
COUNTY(S): Clallam
ELEVATION RGE: 1620'-2300'



Forks, WA

Map may not be to scale

- Open Water
- Distance Indicator
- Gate
- Milepost Markers
- Hwy
- Sale Units

DRIVING DIRECTIONS:

Mary Clark pit: From Forks, travel North on Hwy 101 for 10.5 miles. Turn right on Mary Clark road. Continue 0.5 miles and turn right into Mary Clark pit.

Unit 1: From Forks, travel North on Hwy 101 for 10.8 miles. Turn left onto Hwy 113 and continue for 2 miles. Turn Left onto USFS 3100 and continue for 2.2 miles. Turn left onto E-2500 and continue for 1.5 miles. Turn right onto E-2000 and continue for 0.8 miles.

Unit 2: From Unit 1 continue on E-2000 for 0.7 miles.

Clover pit: From unit 2 continue for 0.4 miles. Located within Unit 1.

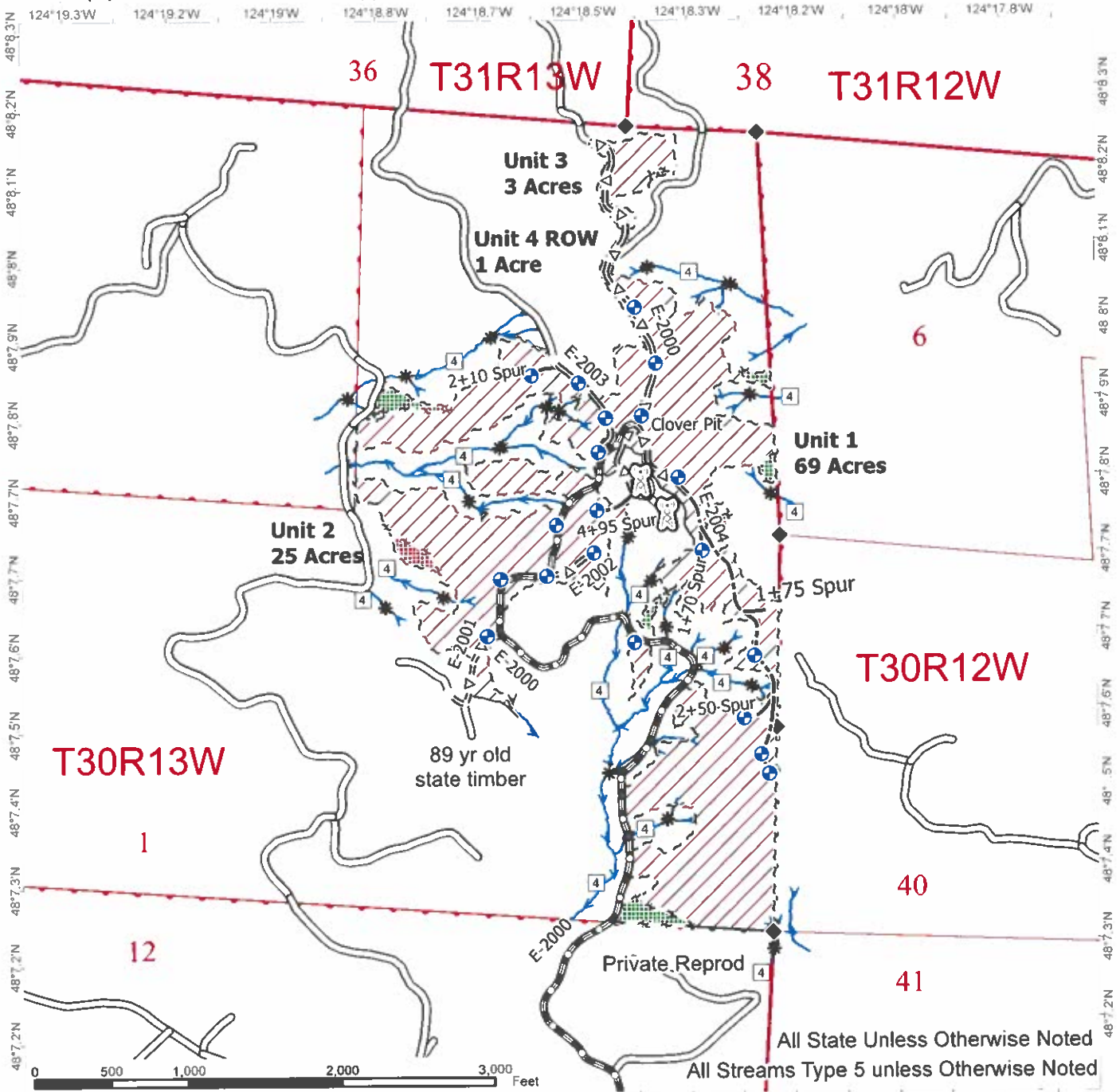
Unit 3: From Clover pit continue north on E-2000 for 0.3 miles.



TIMBER SALE MAP

SALE NAME: BLUE VIEW
AGREEMENT #: 30-103762
TOWNSHIP(S): T30R13W
TRUST(S): State Forest Transfer (1)

REGION: Olympic Region
COUNTY(S): Clallam
ELEVATION RGE: 1520'-2380'



All State Unless Otherwise Noted
 All Streams Type 5 unless Otherwise Noted

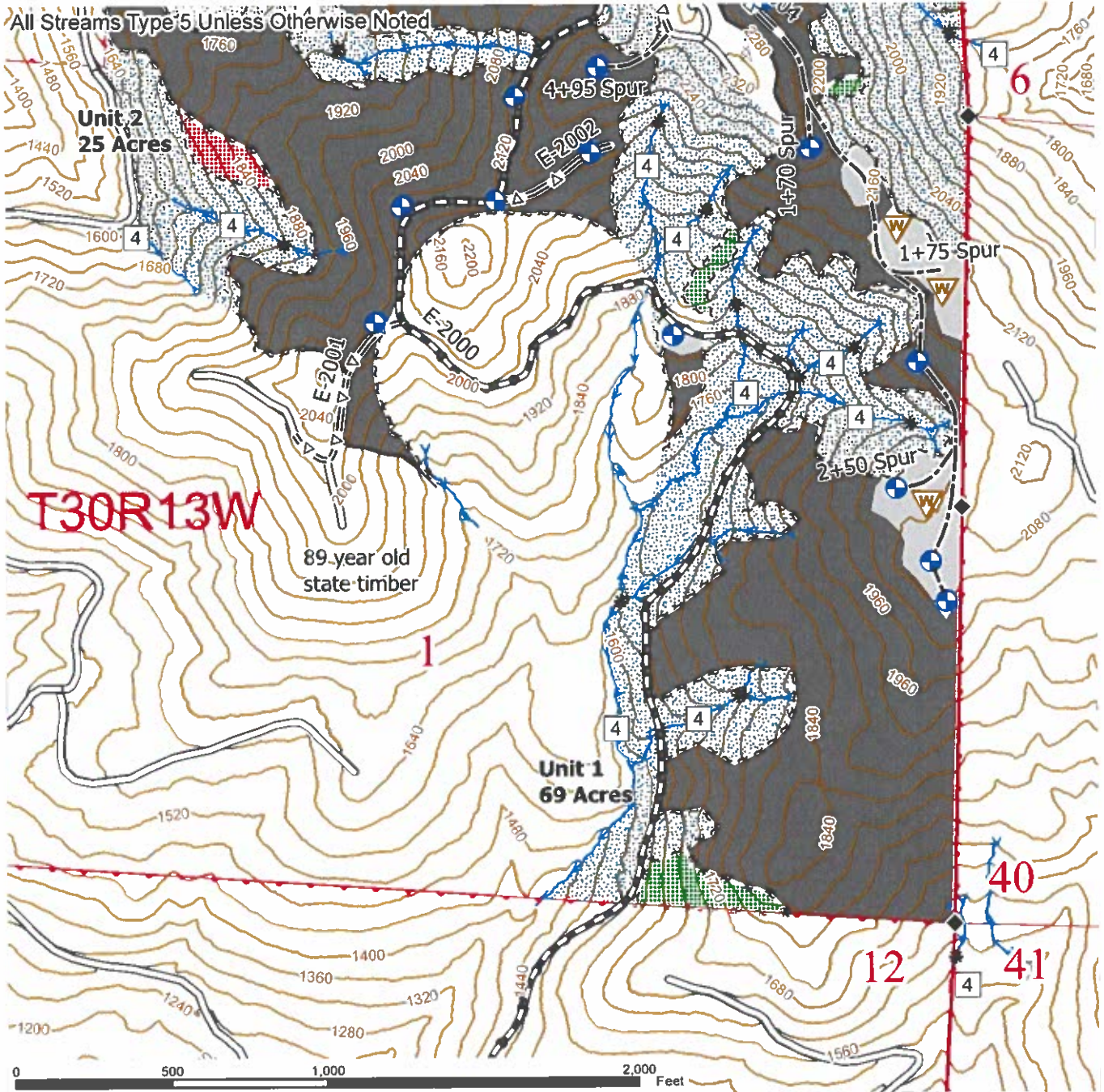
Variable Retention Harvest	Optional Construction	Stream Type
Non-Tradeable Leave Tree Area	Optional Pre-haul Maintenance	Stream Type Break
Leave Tree Area	Required Pre-haul Maintenance	Survey Monument
Sale Boundary Tags	Gate	Public Land Survey Townships
Leave Tree Area Tags	Communication Tower	Public Land Survey Sections
Right of Way Tags	Proposed Landing	DNR Managed Lands
Timber Type Change	Underground Utilities	
Existing Road	Streams	



LOGGING PLAN MAP

SALE NAME: BLUE VIEW
AGREEMENT#: 30-103762
TOWNSHIP(S): T30R13W
TRUST(S): State Forest Transfer (1)

REGION: Olympic Region
COUNTY(S): Clallam
ELEVATION RGE: 1520'-2380'



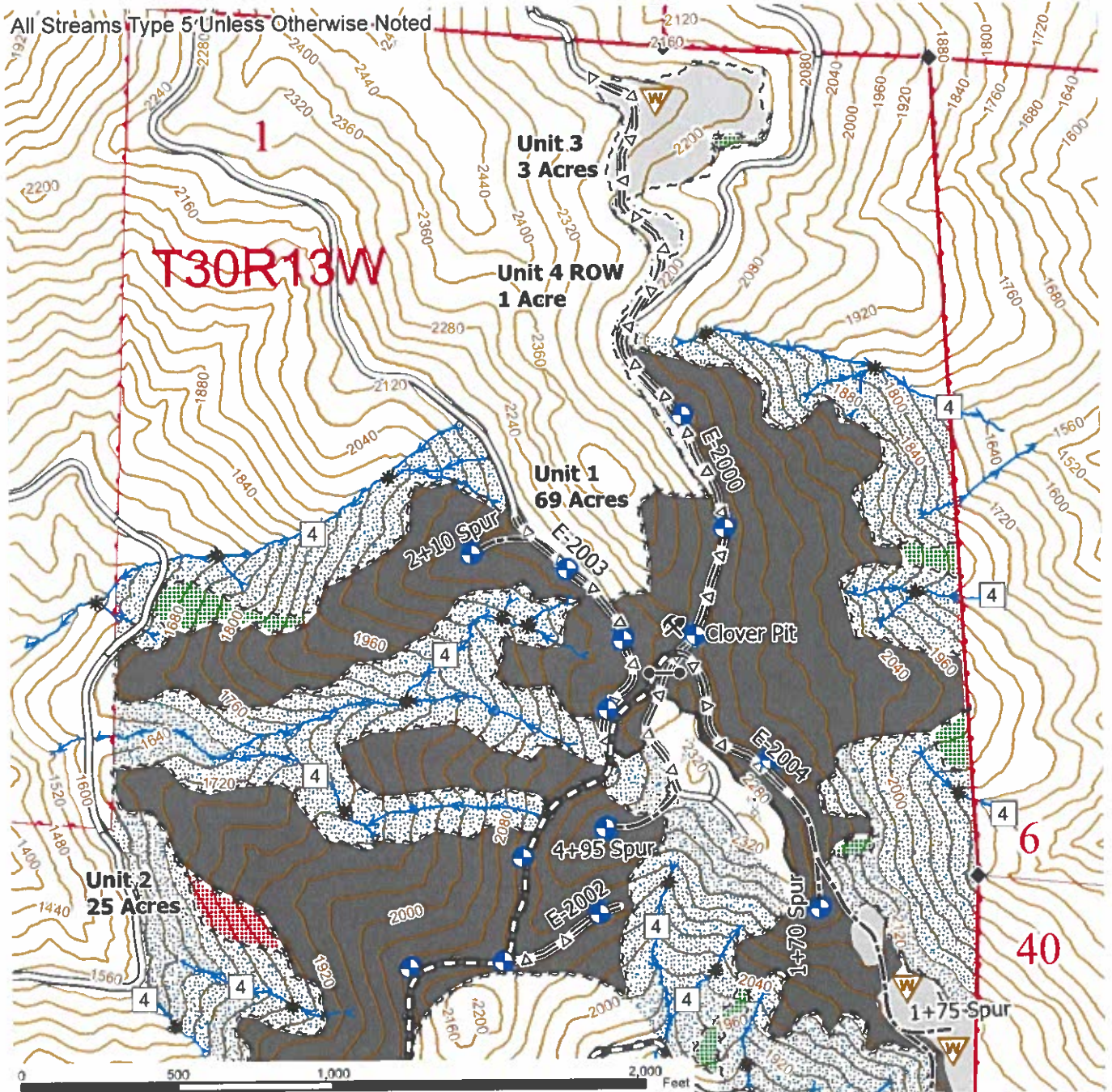
Ground VRH	Communication Tower	Underground Utilities
Cable VRH	Landing	Streams
Non-Tradeable Leave Tree Area	Waste Area	Stream Type
Leave Tree Area	Existing Road	Stream Type Break
Riparian Mgt Zone	Optional Construction	Public Land Survey Townships
Sale Boundary Tags	Optional Pre-haul Maintenance	Public Land Survey Sections
Timber Type Change	Required Pre-haul Maintenance	DNR Managed Lands
Leave Tree Area Tags		Survey Monument



LOGGING PLAN MAP

SALE NAME: BLUE VIEW
AGREEMENT#: 30-103762
TOWNSHIP(S): T30R13W
TRUST(S): State Forest Transfer (1)

REGION: Olympic Region
COUNTY(S): Clallam
ELEVATION RGE: 1520'-2380'



Ground VRH	Communication Tower	Gate
Cable VRH	Rock Pit	Underground Utilities
Non-Tradeable Leave Tree Area	Landing	Streams
Leave Tree Area	Waste Area	Stream Type
Riparian Mgt Zone	Existing Road	Stream Type Break
Sale Boundary Tags	Optional Construction	Public Land Survey Townships
Timber Type Change	Optional Pre-haul Maintenance	Public Land Survey Sections
Leave Tree Area Tags	Required Pre-haul Maintenance	DNR Managed Lands
Right of Way Tags		Survey Monument

