

*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:* **CLALLAM COLLECTIVE SORTS**

*Agreement #* 30-094160

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

3. Address and phone number of applicant and contact person: **Andrew Gorbett**  
**411 Tillicum Lane**  
**Forks, Washington 98331**

4. Date checklist prepared: **05/24/2016**

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

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

- a. *Auction Date:* **03/29/2017**
- b. *Planned contract end date (but may be extended):* **10/31/2017**
- c. *Phasing:* **N/A**

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

*Timber Sale:*

- a. *Site preparation:*  
**Ground Herbicide will be needed for all units**
- b. *Regeneration Method:*  
**Planting Douglas-fir and western hemlock in all units**
- c. *Vegetation Management:*  
**Continuing assessment of units to determine future vegetation management strategy will be required.**
- d. *Thinning:*  
**PCT needs assessed 10 to 15 yrs. post-planting.**

*Roads:*

**Road maintenance, periodic ditch and culvert cleanout as needed.**

*Rock Pits and/or Sale:* **Mary Clark Pit and P-1000 Pit**

*Other:*

**Future forest management activities are anticipated to continue within the Hoko and Clallam River WAUs and adjacent to the current proposal. Potential activities may include but are not limited to**

biomass salvage, firewood salvage, hardwood slashing, planting, pre-commercial thinning, commercial thinning, and regeneration harvest. All future activities will be consistent with the DNR's Habitat Conservation Plan (HCP), applicable policies and planning documents.

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

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

Landscape plan: OESF FLP

Watershed analysis: Hoko

Interdisciplinary team (ID Team) report:

Road design plan: 06/27/2016

Wildlife report:

Geotechnical report: 08/17/2016

Other specialist report(s):

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

Rock pit plan: Mary Clark Pit, P-1000 Pit

Other:

Final Habitat Conservation Plan (September 1997), Forestry Handbook (August 1999), Sustainable Harvest Calculation (Sept 2004), Forest Practices board manual, Policy for Sustainable Forests (PSF 2006), HCP Checklist, Planning and Tracking reports and associated maps, Road Maintenance and Abandonment Plan (RMAP) for the Clallam River administrative unit: #2610029. The following documents are all generated from Department GIS databases: Weighted Old Growth Habitat Index (WOGHI), OESF Habitat Marbled Murrelet Habitat Model, USGS maps, and Marbled Murrelet Habitat Proximity Map.

9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No

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

FPA # 2614477  FHPA  Burning permit  Shoreline permit  Incidental take permit

Existing HPA  Other: Board of Natural Resources Approval FPA 2614477 available for review in DNR FPARS

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:

Clallam Collective Sorts is a 5 unit timber sale proposal encompassing approximately 245 gross acres. The proposal includes 158 acres of variable retention harvest with an approximate sale volume of 5,790 MBF. A total of 77 acres have been deferred as RMZ and WMZ, 8 acres have been left in leave tree areas and 2 acres are existing roads. All units are accessed from the P-1000 road

system. All units are located in Township 32, Range 13 West. Unit 1 is located in sections 35 and 36. Unit 2 is located in sections 25 and 36. Unit 3 and 4 are located in section 35 and unit 5 is located in section 26 and 35.

Estimated Sale Volume: 5,790 MBF  
 Total Proposed Acres: 245  
 RMZ Acres: 77  
 Existing Road Acres: 2  
 Leave Tree Area Acres: 8  
 Total Number of Leave Trees: 1,269  
 Net Harvest Acres: 158

Approximately 2,925 feet of new construction and 39,260 feet of pre-haul maintenance are proposed to meet the needs of the sale. After harvest, 1,700 feet of road will be deactivated. The Mary Clark Pit, located in Section 32, Township 30 North, Range 12 West and the P-1000 Pit, located in Section 14, Township 31 North, Range 13 West are the designated rock sources for the sale.

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

The Clallam Collective Sorts timber sale is a 5 unit variable retention harvest (VRH) timber sale. The units range in age between 37 and 81 year old second-growth timber. The area is dominated by Douglas-fir, western hemlock and Sitka spruce with components of red alder, bigleaf maple and western redcedar in the overstory. The average DBH is 15.8" across the units. The sale utilizes exclusively ground based harvest methods.

Unit 1 is 155 gross acres containing 100 VRH acres, 47 acres of RMZ, 6 acres of leave tree areas and 2 acres of existing roads. The unit consists of 37-54 year old second growth timber. Primary conifer species are Douglas-fir, western hemlock, and red alder with components of Sitka spruce and western redcedar in the overstory. Slopes are generally less than 30% with a short pitch up to 70%. The harvest will be 100% ground based. Unit 1 has a total of 800 leave trees with 12 individually marked leave trees and 788 leave trees in leave tree clumps. Unit 1 ranges in elevation from 400 to 640 feet.

Unit 2 is approximately 10 gross acres containing 7 VRH acres, 3 RMZ acres, and 0.25 acres of leave tree areas. The unit consists of 81 year old second growth timber. Primary conifer species are western hemlock and Sitka spruce with components of red alder, western red cedar and bigleaf maple in the overstory. Slopes are generally less than 30% with short pitches up to 40%. The harvest will be 100% ground based. Unit 2 has a total of 56 leave trees with 11 individually marked leave trees and 45 leave trees in leave tree clumps. Unit 2 ranges in elevation from 600 to 680 feet.

Unit 3 is approximately 3 gross acres containing 2 VRH acres, 1 RMZ acres, and 0.25 acres of existing roads. The unit consists of 51 year old second growth timber. Primary conifer species are Douglas-fir, western hemlock, and Sitka spruce with components of red alder and western red cedar in the overstory. Slopes are generally less than 30%. The harvest will be 100% ground based. Unit 3 has a total of 17 leave trees individually marked. Unit 3 ranges in elevation from 520 to 560 feet.

Unit 4 is approximately 55 gross acres containing 39 VRH acres, 14 RMZ acres, 0.25 acres of existing roads, and 1.5 acres of leave tree areas. The unit consists of 50-54 year old second growth timber. Primary conifer species are Douglas-fir, western hemlock, and Sitka spruce with components of red alder and western red cedar in the overstory. Slopes are generally less than 30% with short pitches up to 40%. The harvest will be 100% ground based. Unit 4 has a total of 313 leave trees with 2 individually marked leave trees and 311 leave trees in leave tree clumps. Unit 4 ranges in elevation from 320 to 640 feet.

Unit 5 is approximately 22 gross acres containing 10 VRH acres, 12 RMZ acres, and 0.25 acres of leave tree areas. The unit consists of 54 year old second growth timber. Primary conifer species are Douglas-fir and western hemlock with components of Sitka spruce and red alder in the overstory. Slopes are generally less than 30% with short pitches up to 40%. The harvest will be 100% ground based. Unit 5 has a total of 83 leave trees in leave tree clumps. Unit 5 ranges in elevation from 320 to 400 feet.

**Objectives are as follows:**

The overall objectives for this sale includes the production of saw logs, poles, pulp material, and biofuels 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 retention of wildlife trees, legacy trees and riparian management zones (RMZ). Approximately 85 acres (35 percent of the proposal) have been set aside for unstable slopes, RMZs, and leave tree areas. In addition, these stands will be managed to protect site productivity and maintain the integrity and water quality of adjacent streams.

**Ecological-** VRH to promote diverse forest structure across the landscape while preserving ecological integrity and function.

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

**Statute-** Comply with the OESF HCP, Forest Practice rules, and implement the Policy for Sustainable Forests.

**Social-** Accommodate dispersed informal recreational activities on DNR managed lands.

Specific objectives are to provide riparian protection, protection of unstable slopes, protection of soils and habitat 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. *Road activity summary. See also forest practice application (FPA) for maps and more details.*

Type of Activity	How Many	Length (feet) (Estimated)	Acres (Estimated)	Fish Barrier Removals (#)
Construction		2925	1	0
Reconstruction		0		0
Abandonment		0	0	0
Bridge Install/Replace	1			0
Culvert Install/Replace (fish)	0			1
Culvert Install/Replace (no fish)	0			

**Approximately 39,260 feet of pre-haul maintenance is scheduled for this sale. Pre-haul maintenance will include grading, ditching, brushing, cleaning culverts, and installing cross-drains on existing forest roads.**

**Additionally, 1,700 feet of road will be deactivated following harvest. This deactivation will include a fish barrier removal on a type 3 stream.**

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.

a. *Legal description:* :

T32N R13W S25  
T32N R13W S26  
T32N R13W S35  
T32N R13W S36  
T31N R13W S14 P-1000 Pit  
T30N R12W S32 Mary Clark Pit

b. *Distance and direction from nearest town (include road names):*

**The closest town to the Clallam Collective Sorts sale is Clallam Bay which is about 6 miles northeast via Eagle Crest Way and the P-1000.**

c. *Identify the names of all watershed administrative units (WAU). See also landscape/WAU map on DNR website: <http://www.dnr.wa.gov/sepa> under the topic "Current SEPA Project Actions – Timber Sales" for a broader landscape perspective.*

WAU Name	WAU Acres	Proposal Acres
<b>HOKO</b>	<b>45993.80</b>	<b>187</b>
<b>CLALLAM RIVER</b>	<b>22109.20</b>	<b>58</b>

13. *Discuss any known future activities not associated with this proposal that may result in a cumulative change in the environment when combined with the past and current proposal(s). (See digital ortho-photos*

for WAU and adjacency maps on DNR website <http://www.dnr.wa.gov/sepa> for a broader landscape perspective.)

### LAND MANAGEMENT

Activities within the past seven years, and those proposed for the near future are summarized for the Clallam River and the Hoko WAU's in the following tables. In the future, stands will be selected for regeneration, thinning, and partial cut harvests as they meet the Department's financial requirements, ecological policies, and mandates. It is unknown what future plans other landowners have within these WAU's.

<b>Clallam R WAU: Land Manager</b>	<b>Acres</b>	<b>% of WAU</b>
DNR	10,629	48.1
Federal	41	0.2
Other State (Non-DNR)	61	0.3
Other Land (Private & Other Public Land)	11,378	51.5
<b>Hoko WAU: Land Manager</b>	<b>Acres</b>	<b>% of WAU</b>
DNR	11,091	24.1
Federal	328	0.7
Other State (Non-DNR)	919	2.0
Other Land (Private & Other Public)	33,656	73.2

Within the last 7 years, the DNR harvested 451 acres of even-aged timber and 1,325 acres of uneven aged timber in the Hoko watershed. The DNR has planned 1,803 acres of even-aged harvests as well as 553 acres of uneven-aged harvest in the Hoko watershed.

<b>WAU</b>	<b>Ownership</b>	<b>Even-aged Harvest acres within last 7 years</b>	<b>Uneven-aged Harvest acres within last 7 years</b>	<b>Planned Even-aged Harvest</b>	<b>Planned Uneven-aged Harvest</b>	<b>Salvage</b>
Hoko	DNR Managed Land	451	1,325	1,803	553	3
	Non-DNR Managed Land	192	5	Unknown	Unknown	925
	<b>Total</b>	<b>643</b>	<b>1,330</b>	<b>1,803</b>	<b>553</b>	<b>928</b>

Within the last 7 years, the DNR harvested 319 acres of even-aged timber and 177 acres of uneven-aged timber in the Clallam River watershed. The DNR has planned 1,024 acres of even-aged harvests as well as 354 acres of uneven-aged harvest in the Clallam River watershed.

WAU	Ownership	Even-aged Harvest acres within last 7 years	Uneven-aged Harvest acres within last 7 years	Planned Even-aged Harvest	Planned Uneven-aged Harvest	Salvage
Clallam R	DNR Managed Land	319	177	1,024	354	0
	Non-DNR Managed Land	1,132	23	Unknown	Unknown	0
	<b>Total</b>	<b>1,451</b>	<b>200</b>	<b>1,024</b>	<b>354</b>	<b>0</b>

This proposal and all future management activities on DNR lands will be conducted in accordance with the State's Habitat Conservation Plan (HCP, 1997), Policy for Sustainable Forests (2006), and Forest Practices Rules. The HCP is an agreement with the federal government concerning threatened and endangered species and their habitat, which requires DNR to manage landscapes with the intent to preserve and enhance habitat used by fish and older forest dependent species. The applicable HCP strategies incorporated into this and future proposals are as follows:

- Retaining Riparian Management Zones (RMZ's) on Type 3, Type 4 and unstable type 5 streams and maintaining equipment limitation zones adjacent to all typed water;
- Deferring harvest on unstable slopes;
- Retaining a minimum of 8 leave trees per acre dispersed and aggregated throughout the 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 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. Road network planning, maintenance and abandonment will improve the quality of existing roads and reduce the amount of roads needed for management to reduce their impacts on the environment.

## 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 WAU or sub-basin(s) (landforms, climate, elevations, and forest vegetation zone).*

**Hoko WAU**

**Elevation Range: 0'-2,655' with a Mean elevation of 698'**

**Weighted average precipitation: 111 inches/year**

**Forest Vegetation Type: Western Hemlock (TSHE)**

**Peak Rain on Snow Zone: 4.7%**

**Clallam River WAU****Elevation Range: 0' - 2650' with a Mean elevation of 617'****Weighted average precipitation: 81 inches/year****Forest Vegetation Type: western hemlock and Sitka spruce****Peak Rain on Snow Zone: 2.9% of WAU**

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

The proposal is located in two different WAU's. All units are located in the Hoko WAU and a portion of Unit 1 is located in the Clallam River WAU. The portion of Unit 1 in the Clallam River WAU has an elevation range of 400-600 feet. Units 1-5 in the Hoko WAU range in elevation from 320-680 feet. No portions of the proposal are within the peak rain on snow zone.

- b. What is the steepest slope on the site (approximate percent slope)?  
**70%**
- 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 a roll-up of general soils information for the soils found in the entire sale area. It is only one of several site assessment tools used in conjunction with actual site inspections for slope stability concerns or erosion potential. It can help indicate potential for shallow, rapid soil movement, but often does not represent deeper soil sub-strata. The actual soils conditions in the sale area may vary considerably based on land-form shapes, presence of erosive situations, and other factors. The state soil survey is a compilation of various surveys with different standards.*

State Soil Survey #	Soil Texture	% Slope	Acres	Mass Wasting Potential	Erosion Potential
<b>5734</b>	<b>OZETTE-ANDEPTIC UDORTHENTS-COMPLEX</b>	<b>50-80</b>	<b>67</b>	<b>No Data</b>	<b>No Data</b>
<b>5733</b>	<b>SILT LOAM</b>	<b>5-35</b>	<b>67</b>	<b>LOW</b>	<b>LOW</b>
<b>6001</b>	<b>LOAM</b>	<b>30-65</b>	<b>20</b>	<b>MEDIUM</b>	<b>HIGH</b>
<b>7421</b>	<b>V.GRAVELLY LOAM</b>	<b>35-70</b>	<b>4</b>	<b>MEDIUM</b>	<b>HIGH</b>

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

- 1) *Surface indications:*

**This proposal is located on relatively flat to moderate slopes and is immediately adjacent to incised stream channels with actively slumping banks evidenced by over steepened slopes and**

exposed bare soil. There are multiple head-scarps of deep-seated landslides in the area and signs of mass wasting events.

2) *Is there evidence of natural slope failures in the sub-basin(s)?*

No  Yes, type of failures (shallow vs. deep-seated) and failure site characteristics:

**Within the proposed WAUs there are areas of shallow landslides, deep-seated landslides, and mass wasting events. These are mainly associated with incised streams and headwall areas.**

3) *Are there slope failures in the sub-basin(s) associated with timber harvest activities or roads?*

No  Yes, type of failures (shallow vs. deep-seated) and failure site characteristics:

*Associated management activity:*

**There are areas within the WAU where shallow slope failures have occurred mainly associated with past logging and road construction practices.**

4) *Is the proposed site similar to sites where slope failures have occurred previously in the sub-basin(s)?*

No  Yes, describe similarities between the conditions and activities on these sites:

**Ten glacial deep-seated landslides and their associated groundwater recharge areas, one inner gorge, and four bedrock hollows were identified within, immediately adjacent, or near the proposal.**

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

**Remote and two separate field reviews were completed by a licensed Engineering Geologist accompanied by trained foresters. Per geologist recommendation, no harvest will occur on the mapped inner gorge or bedrock hollows. Harvest will occur on portions of three deep-seated landslides and nine groundwater recharge areas. All proposed harvest activities have a low likelihood of causing slope movement and a low likelihood of sediment delivery to a public resource.**

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      Approx. acreage new landings: 1      Fill Source:*  
**Mary Clark Pit and P-1000 Pit**

f. Could erosion occur as a result of clearing, construction, or use? If so, generally describe.  
**Yes. A small amount of incidental surface erosion could occur during the course of road construction and harvest activities. However, prudent road location, construction and maintenance, as well as the mitigating measures outlined in question B.1.h. below will minimize and control any possible 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 1% of the gross sale area will be gravel roads following harvest.**

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

*(Include protection measures for minimizing compaction or rutting.)*

**Timber harvest, timber haul, rock haul, and road construction activities will be restricted during periods of heavy rainfall when rutting and surface erosion are more likely to occur. The fish barrier removal will be completed between July 1 and September 30. Roads will be constructed with properly located ditches, ditch outs, and cross drains to divert water flow onto stable forest floor and/or into stable natural drainages.**

**Ground based operations will be suspended during periods of wet weather or wet soil conditions when rutting of skid or shovel roads begins. No rubber tired skidders will be allowed unless authorized by the contract administrator. All units will be reforested within two growing seasons of the contract expiration date.**

## 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.

**Engine exhaust from logging equipment, dust from passage of log trucks, and smoke from slash burning is the only foreseeable emissions to the air.**

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. **None**

- c. Proposed measures to reduce or control emissions or other impacts to air, if any:

**Logging slash, if burned, will be burned adhering to the State's smoke management plan.**

## 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 timber sale map available at DNR region office, or forest practice application base maps.)*

- a. *Downstream water bodies:*

**Coke Creek, Leyh Creek, Little Hoko River, Charley Creek, unnamed perennial streams**

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

Wetland, Stream, Lake, Pond,	Water	Number (how	Avg RMZ/WMZ
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or Saltwater Name (if any)	Type	many?)	Width in feet (per side for streams)
Stream	3	12	A variable width interior core buffer of 5-300' with an average 150' external wind buffer on all type 3 waters.
Stream	4	13	A variable width interior core buffer of 5-150' and an average 50' exterior wind buffer on all type 4 waters.
Stream	5	73	Type 5 streams have a 30 foot equipment limitation zone. Unstable type 5's have a variable width interior core buffer 5' to 50' and an average 50' exterior wind buffer.
Forested Wetland		2	All forested wetlands within the sale area are inundated and associated with type 3 water. Thus, a no harvest 150' buffer was applied to forested wetlands.

- c. *List 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 were protected with variable width interior core buffers based on site specific conditions.**

**Type 3 streams have a variable interior core buffer based on site specific conditions and an average 150' no harvest exterior wind buffer. Type 4 streams have a variable interior core buffer based on site specific conditions and a 50' no harvest exterior wind buffer. Unstable type 5 streams have a variable interior core buffer based on site specific conditions and a 50' no harvest external wind buffer. Stable type 5 streams have a 30 foot equipment limitation zone. Road construction and logging operations will be in compliance with the HCP and Forest Practice rules.**

**All wetlands associated with this proposal are associated with type 3 water, and thus have a 150' WMZ. No harvest will occur within WMZ buffers.**

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

of sediment to streams. Soils exposed during road construction activities will be protected from erosion by grass seeding and mulching with hay.

- 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 map available at DNR region office.)

*Description (include culverts):*

**Timber felling, bucking, yarding, and road construction will occur within 200 feet of all the described waters above. All activities will be done in accordance with the HCP and Forest Practice rules.**

**No harvest will occur within interior core or external wind buffers on type 3, type 4, or unstable type 5 streams, except for a 0.8 acre right-of-way through the type 3 buffer on stream 3g. This right-of-way will allow access to a portion of unit 1 via a log-stringer bridge that will be placed over stream 3g.**

- 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.

N/A

- 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 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.

No  Yes, type and volume:

- 7) *Does the sub-basin contain soils or terrain susceptible to surface erosion and/or mass wasting? What is the potential for eroded material to enter surface water?*

**The potential for eroded material entering surface water is low. The possibility for eroded material entering surface water has been minimized due to protections described in B.1.d.5) and B.3.a.1)c.**

- 8) *Is there evidence of changes to the channels in the WAU and sub-basin(s) due to surface erosion or mass wasting (accelerated aggradations, erosion, decrease in large organic*

debris (LOD), change in channel dimensions)?

No  Yes, describe changes and possible causes:

Areas within the Clallam River and Hoko WAUs show evidence of changes to stream channels. Some steep drainages in the WAU show evidence of debris torrent events which have increased the dimensions of affected drainage channels, exposed native bedrock which now forms the floor along segments of channels, and decreased the overall amount of large woody debris in the streams. These events may be attributed to past road construction techniques, inherently unstable slopes, soil composition or significant amounts of precipitation in short time periods.

9) Could this proposal affect water quality based on the answers to the questions 1-8 above?

No  Yes, explain:

This proposal will have minimal effects on water quality. Measures described in B. 1. h., wet weather restrictions on road work, logging operations and riparian buffers will all contribute to reducing the potential of affecting water quality.

10) What are the approximate road miles per square mile in the WAU and sub-basin(s)?

Clallam River Land Owner	Miles of Road	Miles per Square Mile
Non-DNR	89.3	2.6
DNR	76.4	2.2
Total	165.7	4.8

Hoko Land Owner	Miles of Road	Miles per Square Mile
Non-DNR	310.9	4.3
DNR	84.3	1.2
Total	395.2	5.5

Are you aware of areas where forest roads or road ditches intercept sub-surface flow and deliver surface water to streams, rather than back to the forest floor?

No  Yes, describe:

It is likely some road or road ditches within the WAU intercept sub-surface flow and deliver surface water to streams. However, current standards for road construction address this issue by installing cross drains to deliver ditch water to stable forest floors.

11) Is the proposal within a significant rain-on-snow (ROS) zone? If not, **STOP HERE** and go to question B-3-a-13 below. Use the WAU or sub-basin(s) for the ROS percentage questions below.

No  Yes, approximate percent of sub-basin(s) in significant ROS zone:

Or, approximate percent of WAU:

12) If the proposal is within the significant ROS zone, what is the approximate percentage of the WAU or sub-basin(s) within the significant ROS zone (all ownerships) that is (are) rated as hydrologically mature?

13) Is there evidence of changes to channels associated with peak flows in the WAU and sub-basin(s)?

No

Yes, describe observations in the WAU and in the sub-basin(s):

**There is evidence of slope failures that caused shift(s) in stream channel(s). Also, some stream segments show cutting and scouring which can be attributed to the natural erosion of the soil type, and peak flow events; Refer to B. 3. a. 8.**

14) Based on your answers to questions B-3-a-10 through B-3-a-13 above, describe whether and how this proposal, in combination with other past, current, or reasonably foreseeable proposals in the WAU and sub-basin(s), may contribute to a peak flow impact.

**The proposal should not measurably change timing, duration, or volume of water during a peak flow event. The harvest prescription, unit size, and buffering will minimize potential impact(s) to peak flow.**

15) Is there water resource (public, domestic, agricultural, hatchery, etc.), or area of slope instability, downstream or downslope of the proposed activity that could be affected by changes in surface water amounts, quality, or movements as a result of this proposal?

No

Yes, possible impacts:

16) Based on your answers to questions B-3-a-10 through B-3-a-15 above, note any protection measures addressing possible peak flow/flooding impacts.

**Restricting timber harvest and road activities during peak rain events will allow for increased resource protection. Road development and maintenance standards will minimize impacts by using cross drains to release ditch water onto stable forest floors where flow energy can dissipate prior to reaching stream channels. Maintaining large RMZ's on streams will aid bank stability, hydrologic functions and provides recruitment of LWD. See B.1.d.5, B.1.h, B.3.a.1, and A.13 for additional protection measures.**

b. Ground Water:

- 1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known. **No**
- 2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve. **N/A**

- 3) *Is there a water resource use (public, domestic, agricultural, hatchery, etc.), or area of slope instability, downstream or down slope of the proposed activity that could be affected by changes in groundwater amounts, timing, or movements as a result this proposal?*

No       Yes, describe:

a. *Note protection measures, if any.* N/A

c. Water runoff (including stormwater):

- 1) Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.

**Runoff from roads will be collected using roadside ditches. Ditch-outs and cross-drains will divert this water away from roads and streams onto stable forest floor. This will allow flow energy to dissipate and will help to filter suspended sediment before these waters reach stream channels as subsurface flow.**

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

No       Yes, describe:

a. *Note protection measures, if any.* N/A

- 3) Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe. **NO**

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-16, B-3-b-3-a, and B-3-c-2-a.)**

#### 4. Plants

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

Deciduous tree:

alder,  maple,  aspen,  cottonwood,  western larch,  birch,  
 other:

Evergreen tree:

- Douglas fir,  grand fir,  Pacific silver fir,  ponderosa pine,  lodgepole pine,  western hemlock,  mountain hemlock,  Engelmann spruce,  Sitka spruce,  red cedar,  yellow cedar,  other:
- shrubs:
- huckleberry,  salmonberry,  salal,  other:
- wet soil plants:
- cattail,  buttercup,  bullrush,  skunk cabbage,  devil's club,  other: **sedges**
- other types of vegetation: **sword fern, bracken fern, oxalis**
- plant communities of concern:

- b. What kind and amount of vegetation will be removed or altered? (See answers to questions A-11-a, A-11-b, B-3-a-1-b and B-3-a-1-c. The following sub-questions merely supplement those answers.)

**Approximately 5,790 MBF of 37-81 year old timber will be harvested with this proposal.**

- 1) Describe the species, age, and structural diversity of the timber types immediately adjacent to the removal area. (See color landscape/WAU and adjacency maps on the DNR website:

<http://www.dnr.wa.gov/sepa>

(Click on the DNR region under the Topic "Current SEPA Project Actions - Timber Sales.")

**Unit 1:** is bordered by 16 and 106 year old state timber and 57 year old state RMZ timber to the north, 54 year old state RMZ timber to the west and southwest, 51 year old state RMZ timber to the south, and 123 year old state RMZ timber to the east.

**Unit 2:** is bordered by 81 year old state RMZ timber to the north, 1 year old state timber to the west, 26 and 106 year old state timber to the south, and 4 year old state timber to the east.

**Unit 3:** is bordered by 64 year old state timber to the north and west, 38 year old state timber to the south, and 54 year old state RMZ timber to the east.

**Unit 4:** is bordered by 54 year old state RMZ timber to the north, 104 year old state timber to the west, 14 and 50 year old state timber to the south, and 64 year old state RMZ timber to the east.

**Unit 5:** is bordered by 4 year old state timber to the north, Hoko/Cowan Ranch State Park and 57 year old state timber to the west, and 54 year old state RMZ timber to the south and east.

- 2) Retention tree plan:

Unit #	# of Individually Marked Trees	# of Clumps	# of Trees Clumped	Total # of Leave Trees
1	12	9	788	800
2	11	2	45	56
3	17	0	0	17
4	2	8	311	313
5	0	2	83	83

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

None Found in Database Search

*FPRAM check confirms no conflict 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:

**Native conifer species will be planted in units 1-5 following regeneration harvest. Other native conifer and deciduous species may regenerate naturally on the site. Grass seed will also be used on areas of exposed mineral soil during road building operations. Eight leave trees per acre will be scattered and/or clumped throughout the 158 acres of regeneration harvest. See A.7.a.b.c.d. and B.4.b.2, above.**

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

**Scotch broom, Himalayan blackberry, English holly**

**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: hawk, heron, eagle, songbirds, pigeon, other:

mammals: deer, bear, elk, mountain beaver, other:

fish: bass, salmon, trout, herring, shellfish, other:

unique habitats: talus slopes, caves, cliffs, oak woodlands, balds, mineral springs

**Eagles have been observed in flight in this vicinity. There are no known nest sites within 660' of the harvest proposal.**

*FPRAM check confirms.*

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

TSU Number	FMU_ID	Common Name	Federal Listing Status	WA State Listing Status
1	95225	SPOTTED OWL: Site:789-CLALLAM RIVER	THREATENED	ENDANGERED
2	95226	SPOTTED OWL: Site:789-CLALLAM RIVER	THREATENED	ENDANGERED
3	95227	SPOTTED OWL: Site:789-CLALLAM RIVER	THREATENED	ENDANGERED

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

Pacific flyway     Other migration route:    Explain if any boxes checked:

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

*No Impacts Expected*

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). Forest Land Planning has been initiated but not implemented. Currently only 13.26% of the Clallam River LPU is habitat. The FLP will integrate forest and landscape inventory, growth and harvest modeling, conservation and revenue objectives to develop a schedule and pattern for achieving the threshold targets for owl habitat. The sale area is considered non-habitat according to the OESF HCP definitions for NSO habitat.

**Species/Habitat: Marbled Murrelet-** The proposal is non-habitat. No specific protection measures were implemented because the unit is over 100 meters from the occupied site and separated by standing timber.

**Species/Habitat: Riparian-** specific objectives include streamside forest protection, protection of unstable slopes, protection of soils and habitat conservation for aquatic and riparian species. Riparian protection measures were designed for all waters in and adjacent to this proposal in accordance with DNR's OESF Riparian strategy.

No-harvest buffers have been applied to all Type 3, and 4 waters as well as Type 5 waters associated with unstable slopes that were found in or adjacent to the sale boundary described in B.3.a.1.b. and c. Buffers are designed to protect the unstable portions of the stream banks, help to protect waters from sedimentation, and to maintain 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 may develop old-forest characteristics that, in combination with the owl and murrelet strategies, will help support old-forest dependent wildlife.

**Species/Habitat: Upland –** Diverse habitat for upland wildlife will be provided by the following measures: All areas of potential slope instability have been identified in the field and deferred from harvest. These in concert with riparian and wetland buffers provide for mature forest areas. 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. 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. **NONE**

## 6. Energy and natural resources

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc. **N/A**
- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe. **N/A**
- 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: **N/A**

## 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. **N/A**
  - 1) Describe any known or possible contamination at the site from present or past uses.  
**NONE**
  - 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**
  - 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.  
**NONE**
  - 4) Describe special emergency services that might be required.  
**Fire suppression, hazardous waste cleanup and emergency medical services**
  - 5) Proposed measures to reduce or control environmental health hazards, if any:

**The timber sale contract requires purchaser to minimize risk of fire, spills, and does not allow for disposal of any waste on State or any other lands. Pump trucks and/or pump trailers will be required on site during fire season. Spill cleanup kits for hazardous materials must be on site. If any toxic or hazardous chemical spills occur or if past contamination is discovered the Department of Ecology will be notified.**

### 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.

**Noise from chainsaws, heavy equipment and log truck traffic will be perceptible while the sale is active.**

- 3) Proposed measures to reduce or control noise impacts, if any: **N/A**

## 8. Land and shoreline use

- a. What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe. (*Site includes the complete proposal, e.g. rock pits and access roads.*)

**Commercial Forest Lands are adjacent to the sale. The proposal will not impact any current land uses nearby or on adjacent properties.**

- b. Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to nonfarm or nonforest use?

**The current use of the project site is working forest. No portion of this proposal will be converted to non-forest use.**

- 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. **N/A**
- 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 Land**
- g. If applicable, what is the current shoreline master program designation of the site?  
**N/A**
- h. Has any part of the site been classified as a critical area by the city or county? If so, specify.  
**N/A**
- i. Approximately how many people would reside or work in the completed project?  
**N/A**
- j. Approximately how many people would the completed project displace?  
**N/A**
- k. Proposed measures to avoid or reduce displacement impacts, if any:  
**N/A**
- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:  
**The DNR's long-term strategy for State Lands within and adjacent to this sale is to maintain it as commercial forest land. The design of this project is consistent with current comprehensive plans and procedures pertaining to DNR's Habitat Conservation Plan and the State Forest Practices Act.**
- m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any: **See 8 L. above.**

## 9. Housing

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

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. **N/A**
- c. Proposed measures to reduce or control housing impacts, if any: **N/A**

#### 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? **N/A**
- b. What views in the immediate vicinity would be altered or obstructed?
- 1) *Is this proposal visible from a residential area, town, city, developed recreation site, or a scenic vista?*  
 **No**    **Yes, viewing location:**
  - 2) *Is this proposal visible from a major transportation or designated scenic corridor (county road, state or interstate highway, US route, river, or Columbia Gorge SMA)?*  
 **No**    **Yes, scenic corridor name:**
  - 3) *How will this proposal affect any views described in 1) or 2) above?* **N/A**
- c. Proposed measures to reduce or control aesthetic impacts, if any: **The site will be reforested within one year of contract expiration.**

#### 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 hunting, hiking, fishing, berry picking, sightseeing, and more similar activities.**
- b. Would the proposed project displace any existing recreational uses? If so, describe. **no**

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

**no**

### 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 located on or near the site? If so, specifically describe. **no**
- b. Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources. **no**
- 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 review of the Department of Archaeology and Historic Preservation database and TRAX using a Planning and Tracking Special Concerns report shows no known cultural resources on or near the site. A review of the cultural resources layer on the State Upland viewing tool shows no cultural resources on or near the site. During timber sale preparation, trained foresters found nothing on or near the site to indicate any potential cultural resources.**

*FPRAM check verifies no conflict with cultural/historic sites on*

- 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. **n/a**

### 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 Highway 101, Eagle Crest Way, SR-112, P-1000, P-1400, P-1500, P-1430, P-1432, P-1431, P-1000C, P-1405, P-1420**
- 1) *Is it likely that this proposal will contribute to an existing safety, noise, dust, maintenance, or other transportation impact problem(s)?* **no**
- 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**
- c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate? **N/A**
- 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, approximately 2,925 feet of new construction and 39,260 feet of pre-haul maintenance are proposed to meet the needs of the sale. Additionally, 1,700 feet of road will be deactivated following harvest.**
- 1) *How does this proposal impact the overall transportation system/circulation in the surrounding area, if at all?* **The proposal will have 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 nonpassenger vehicles). What data or transportation models were used to make these estimates?

**Approximately 5-15 trips per day during peak harvest times. Peak harvest times are morning until early afternoon. Estimates are based on harvest traffic of similar sales.**

- 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. **N/A**
- h. Proposed measures to reduce or control transportation impacts, if any: **NONE**

#### 15. Public services

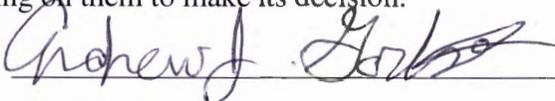
- a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.  
**NO**
- b. Proposed measures to reduce or control direct impacts on public services, if any.  
**N/A**

#### 16. Utilities

- a. Check utilities currently available at the site: **N/A**  
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. **N/A**

#### 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: **Andrew Gorbett**

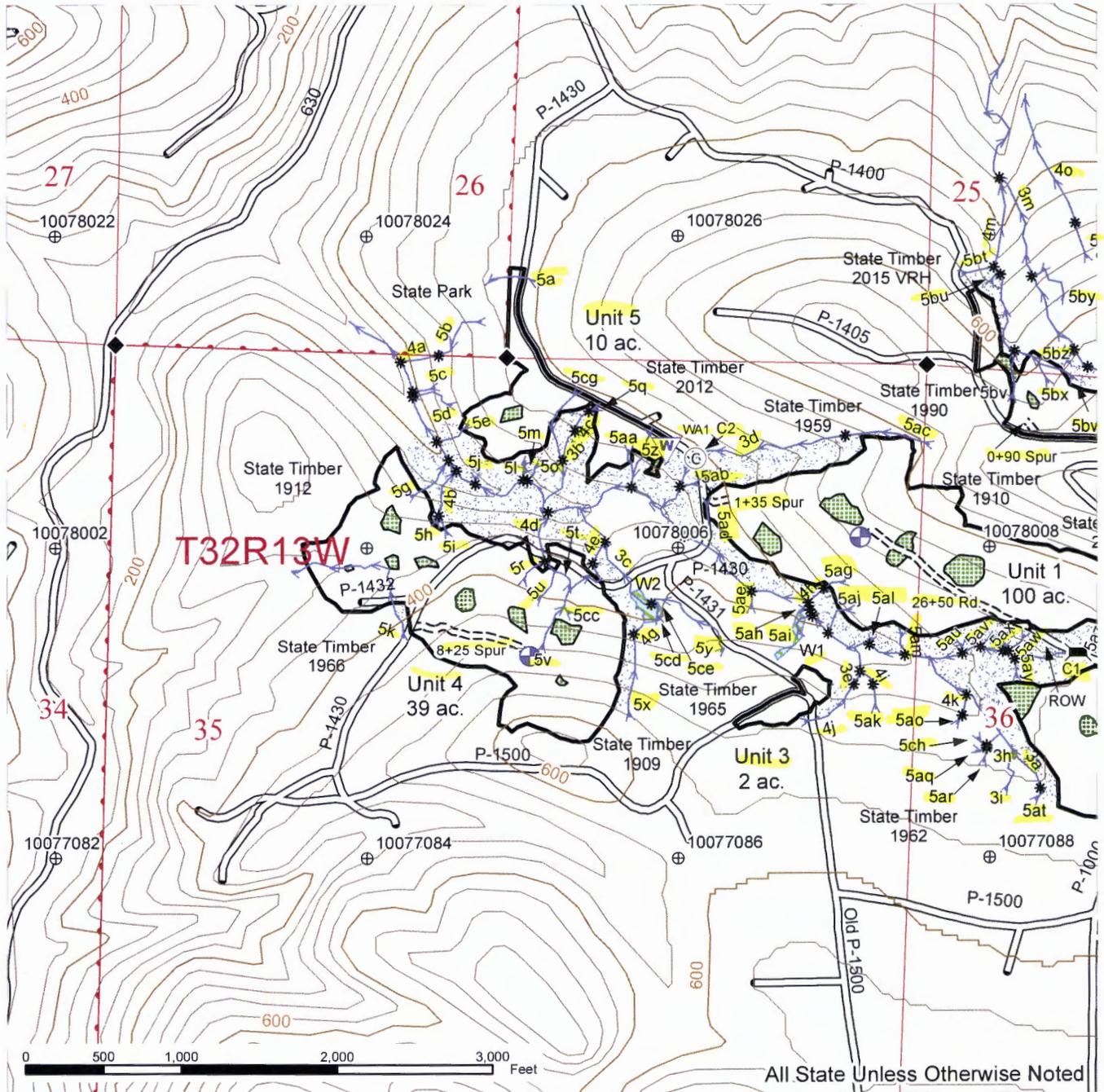
Position and Agency/Organization: **NRS2/ Washington Dept. Natural Resources**

Date Submitted: 8/18/16

# FOREST PRACTICES ACTIVITY MAP

SALE NAME: CLALLAM COLLECTIVE SORTS  
 APPLICATION #: None

COUNTY(S): CLALLAM  
 TOWNSHIP(S): T32R13W



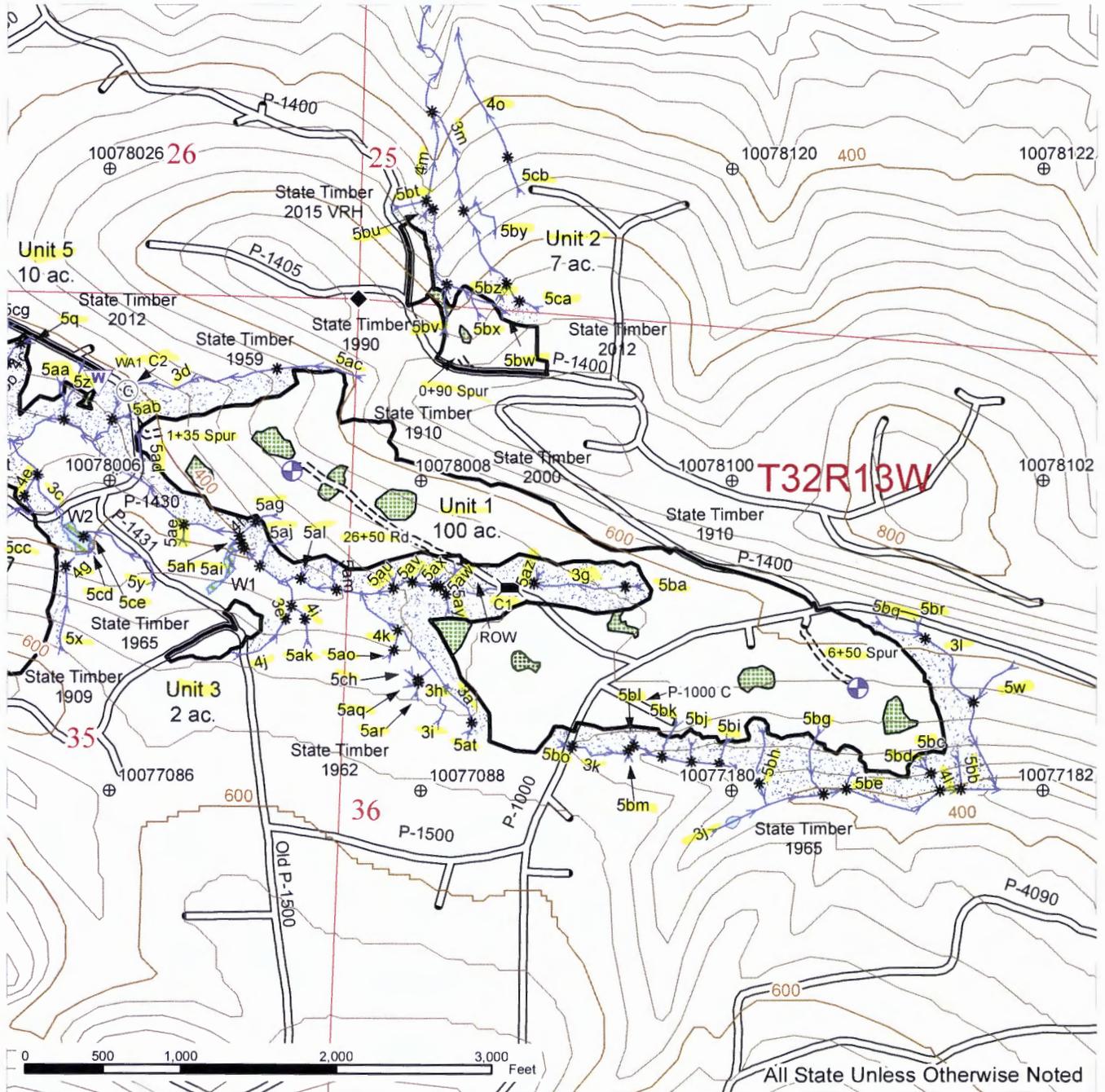
Timber Sale Unit	Streams	Existing Roads
Forested Wetland	Stream Break	New Construction
Riparian Mgt Zone	Tics - 2000' Interval	DNR Managed Lands
Leave Tree Area	Monumented Corners	Public Land Survey Sections
Landing	Stream Labels	Public Land Survey Townships
Waste Area		40 ft. Contours
Culvert		
Bridge Installation		



**FOREST PRACTICES ACTIVITY MAP**

**SALE NAME:** CLALLAM COLLECTIVE SORTS  
**APPLICATION #:** None

**COUNTY(S):** CLALLAM  
**TOWNSHIP(S):** T32R13W



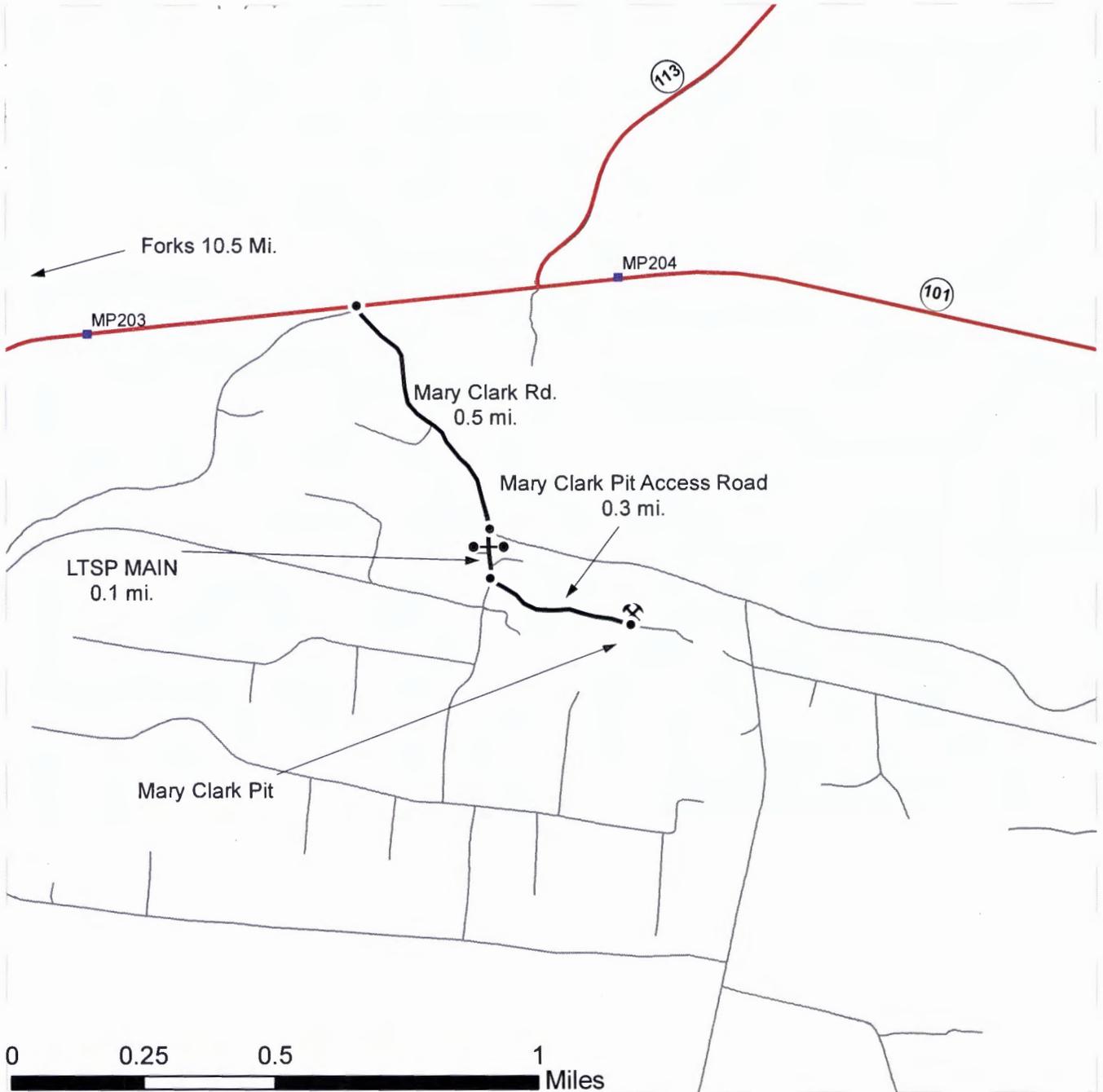
Timber Sale Unit	Streams	Existing Roads
Forested Wetland	Stream Break	New Construction
Riparian Mgt Zone	Tics - 2000' Interval	DNR Managed Lands
Leave Tree Area	Monumented Corners	Public Land Survey Sections
Landing	Stream Labels	Public Land Survey Townships
Waste Area		40 ft. Contours
Culvert		
Bridge Installation		



**DRIVING MAP**

**SALE NAME:** Clallam Collective Sorts  
**AGREEMENT#:** 30-094160  
**TOWNSHIP(S):** T30R12W  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Olympic Region  
**COUNTY(S):** CLALLAM

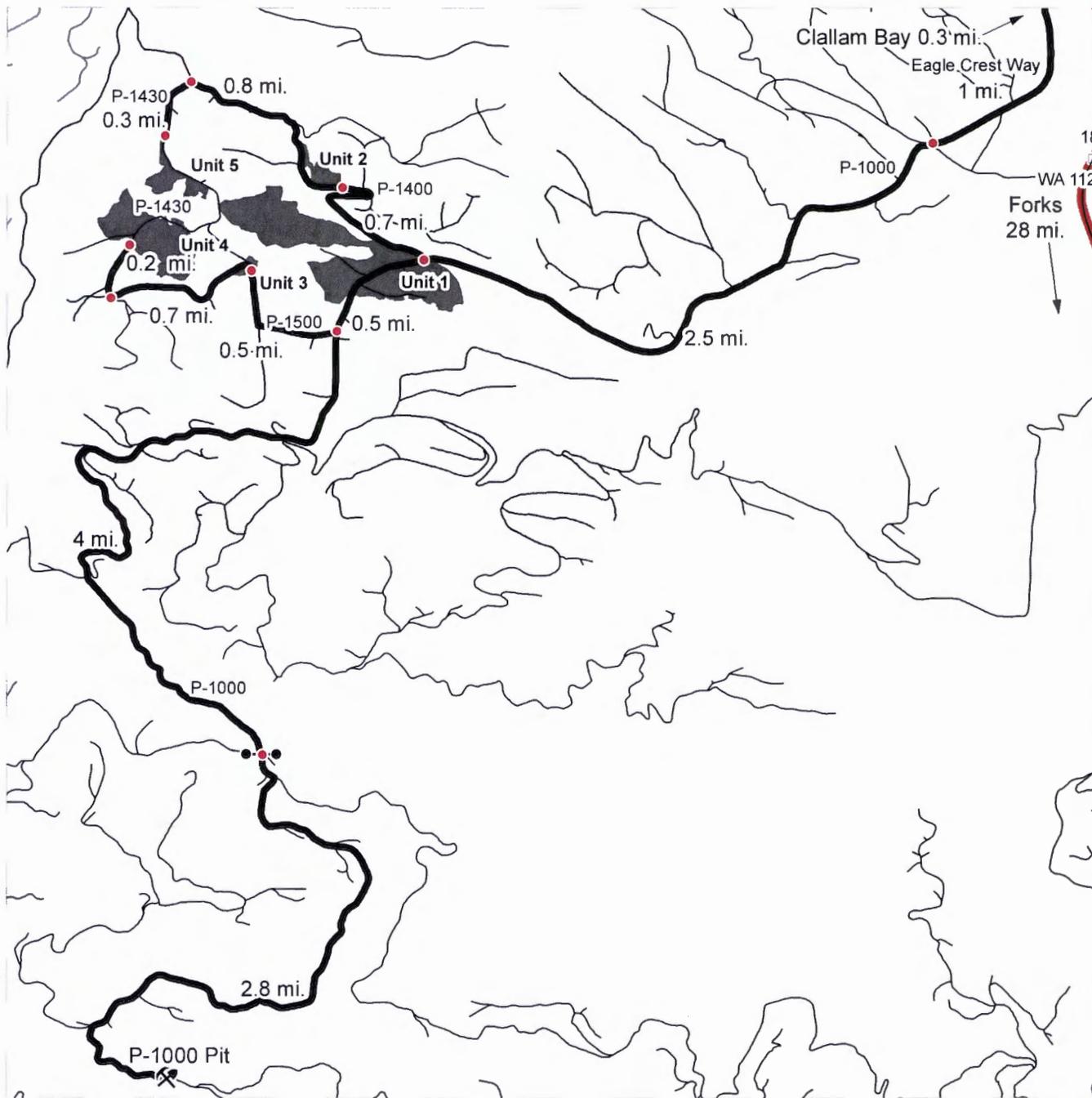


<ul style="list-style-type: none"> <li> Haul Route</li> <li> Other Route</li> <li> Milepost Markers</li> <li> Existing Rock Pit</li> <li> Distance Indicator</li> <li> Gate</li> </ul>	<p><b>DRIVING DIRECTIONS:</b>                  From Forks, WA, travel north on US 101 10.5 mi. and turn right on Mary Clark Rd. Continue for 0.5 mi., then turn right on LTSP Main road. After 0.1 mi., turn left on the Mary Clark Pit Access Road and continue for 0.3 mi. to the Mary Clark Pit.</p>
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**DRIVING MAP**

**SALE NAME:** CLALLAM COLLECTIVE SORTS  
**AGREEMENT#:** 30-094160  
**TOWNSHIP(S):** T32R13W  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Olympic Region  
**COUNTY(S):** CLALLAM  
**ELEVATION RGE:** 320-680'



- Timber Sale Unit
- Highways
- Haul Route
- Other Route
- Milepost Markers
- Distance Indicator
- Gate
- Existing Rock Pit

**DRIVING DIRECTIONS:**

**Units:**  
 From Clallam Bay, drive west on Eagle Crest Way for 1 mi. Turn left on the P-1000 road and continue 2.5 miles to Unit 1 beginning at the P-1400. To reach Unit 2, turn right on the P-1400 and continue 0.7 mi. To reach Unit 5, continue 0.8 mi. past Unit 2 and turn left on the P-1430. Continue 0.3 mi. to Unit 5. To reach Unit 3, continue 0.5 mi. past the P-1400 on the P-1000 to the P-1500. Turn right and continue 0.5 mi to Unit 3. To reach Unit 4, continue 0.7 mi. on the P-1500 to the P-1430. Turn right and continue 0.2 mi. to Unit 4.

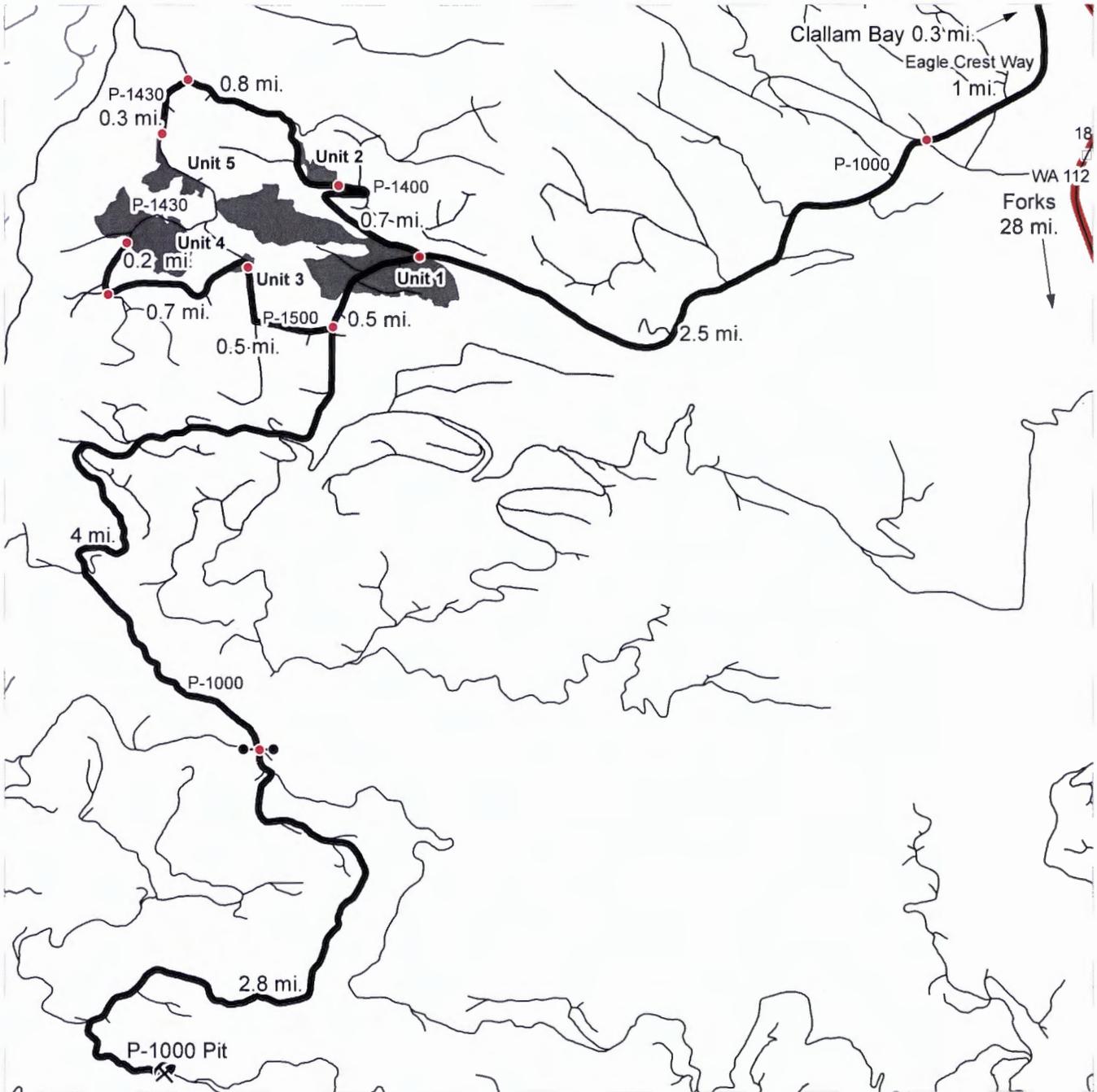
**P-1000 Pit:**  
 From Clallam Bay, drive west on Eagle Crest Way for 1 mi. Turn left on the P-1000 road and continue 6.5 miles to a yellow DNR gate. Continue past the gate on the P-1000 for another 2.8 miles to the P-1000 Pit, on right.



**DRIVING MAP**

**SALE NAME:** CLALLAM COLLECTIVE SORTS  
**AGREEMENT#:** 30-094160  
**TOWNSHIP(S):** T32R13W  
**TRUST(S):** State Forest Transfer(1)

**REGION:** Olympic Region  
**COUNTY(S):** CLALLAM  
**ELEVATION RGE:** 320-680'



<ul style="list-style-type: none"> <li><span style="display: inline-block; width: 20px; height: 10px; background-color: black; margin-right: 5px;"></span> Timber Sale Unit</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid red; margin-right: 5px;"></span> Highways</li> <li><span style="display: inline-block; width: 20px; border-bottom: 2px solid black; margin-right: 5px;"></span> Haul Route</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> Other Route</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Milepost Markers</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; margin-right: 5px;"></span> Distance Indicator</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; margin-right: 5px;"></span> Gate</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; border-radius: 50%; margin-right: 5px;"></span> Existing Rock Pit</li> </ul>	<p><b>DRIVING DIRECTIONS:</b></p> <p><b>Units:</b>          From Clallam Bay, drive west on Eagle Crest Way for 1 mi. Turn left on the P-1000 road and continue 2.5 miles to Unit 1 beginning at the P-1400. To reach Unit 2, turn right on the P-1400 and continue 0.7 mi. To reach Unit 5, continue 0.8 mi. past Unit 2 and turn left on the P-1430. Continue 0.3 mi. to Unit 5. To reach Unit 3, continue 0.5 mi. past the P-1400 on the P-1000 to the P-1500. Turn right and continue 0.5 mi to Unit 3. To reach Unit 4, continue 0.7 mi. on the P-1500 to the P-1430. Turn right and continue 0.2 mi. to Unit 4.</p> <p><b>P-1000 Pit:</b>          From Clallam Bay, drive west on Eagle Crest Way for 1 mi. Turn left on the P-1000 road and continue 6.5 miles to a yellow DNR gate. Continue past the gate on the P-1000 for another 2.8 miles to the P-1000 Pit, on right.</p>
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