*Please see summary of comments

20 1 5 1 0

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

2610418

1. Name of proposed project, if applicable:

   Timber Sale Name: **COYLE SORTS**
   Agreement # **30-099251**

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

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

4. Date checklist prepared: **02/05/2020**

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

6. Proposed timing or schedule (including phasing, if applicable):
   a. *Auction Date:*
   07/29/2020

   b. *Planned contract end date (but may be extended):*
   05/31/2021

   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:
   For units 1-5: Assessment for treatment will occur after completion of harvest. Site preparation including biofuel removal and 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:
   Units 1-7 will be hand planted with native species 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. Firewood salvage and pile burning might also occur. Future use and expansion of Penny Pit.

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

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

*Please see summary of comments

☐ *Landscape plan:*
☒ *Watershed analysis:* **Big Quilcene WAU**
☐ *Interdisciplinary team (ID Team) report:*
☒ *Road design plan:* **Dated 02/06/2020**
☒ *Wildlife report:* **Eagle Memo Dated 02/13/2020**
☒ *Geotechnical report:* **Dated 02/10/2020**
☒ *Appendix D. slope stability informational form:*
☒ *Other specialist report(s):* **Yarding Profile Analysis for Unit 3**
☐ *Memorandum of understanding (sportsmen's groups, neighborhood associations, tribes, etc.):*
☒ *Rock pit plan:* **Included with the Road Plan**
☒ *Other:* **Weighted Old Growth Habitat Index Reports (WOGHI), Special Concerns Reports**

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 #* 2616418 ☐ *FPHP* ☒ *Board of Natural Resources Approval*
☐ *Burning permit* ☐ *Shoreline permit* ☐ *Existing HPA*
☐ *Other:*

*Please see summary of comments

11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

*Please see summary of comments

a. *Complete proposal description*:

The Coyle Sorts timber sale, Agreement No. 30-099251 is a combination variable retention harvest (VRH) and wetland management zone (WMZ) variable density thinning (VDT), composed of seven units and associated right-of-way located in the Toandos Peninsula WAU. A VRH prescription will be applied to five units totaling 129 acres. Two WMZ units composing 13 acres will be thinned, for a total of 142 net harvestable acres. There is also a small amount of right-of-way clearing (0.2 acre) associated with the road into Unit 1. Deductions have been taken for roads, wetlands and leave tree areas within traversed unit boundaries as shown below. The proposed timber sale is to be logged by both ground based and cable harvest systems with applied timing and equipment restrictions. The

proposal involves 4,820 feet of required road construction, 560 feet of optional road construction, 280 feet of required reconstruction, and 16,100 feet of pre-haul maintenance. Expansion of the existing Penny pit is also planned within the Big Quilcene WAU.

Deductions from the proposal acres for WMZ thinning Unit 6 includes interior delineated wetlands in which no removals will occur. Wetland for Unit 7 is on adjacent private land.

Unit	Gross Proposal (Acres)	Riparian Management Zones/Unstable Slope Protection (Acres)	Wetland Management Zones (Acres)	Existing Roads (Acres)	Leave Tree Area (Acres)	Net Harvest (Acres)
1	5.6	0	0	0	0.4	5.2
2	37.5	9.0	0.3	1.4	2.1	24.7
3	64.4	5.7	0	1.1	3.8	53.8
4	64.2	23.2	0	0	3.8	37.2
5	8.9	0	0	0	1.4	7.5
6	14.9	0	2.6	0	0	12.3*
7	1.0	0	0	0.1	0	0.9*
R/W	0.4	0	0	0.2	0	0.2
Totals	196.9	37.9	2.9 (16.1)*	2.8	11.5	141.8

*Net harvest acres are still providing WMZ protection

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	MBF/acre	Slope (%)	Elevation Range (ft)
1	1964	Douglas fir (DF), western hemlock (WH)	30	2	120-620 for sale
2	1932 & 1963	DF, red alder (RA)	25	44	" "
3	1905 & 1943	DF, WH, western redcedar (RC)	31.5	64	" "
4	1928	DF, RC, big leaf maple (MA)	40	64	" "
5	1919 & 1944	DF, RC	30	14	" "
6	1964	DF, RA	30	2	" "
7	1963	DF, RA	25	2	" "
R/W	1987	DF	25	5	" "

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	133	95	1	47	48
2	VRH	604	95	75	170	245
3	VRH	1591	95	153	344	497
4	VRH	1737	95	104	225	329
5	VRH	297	95	5	70	75
6	VDT	47	30	N/A	N/A	N/A
7	VDT	10	30	N/A	N/A	N/A
R/W	Clearcut	1	100	0	0	0

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 and wetland management zones. 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 trust beneficiaries.

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

Social- Accommodate dispersed informal recreational activities on DNR managed lands and identify and protect historical and archaeological sites consistent with state/federal law.

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		4,820	1.7*	0
Reconstruction		280		0
Prehaul Maintenance		16,100		0
Abandonment		0	0	0
Bridge Install/Replace	0			0
Stream Culvert Install/Replace (fish)	0			0
Stream Culvert Install/Replace (no fish)	0			
Cross-Drain Install/Replace	8			

* **Construction acreage based on 16-foot subgrade.**

The DNR's existing Penny Pit located in Section 22 of Township 27 North Range 02 West, W.M. may be expanded with this proposal. This pit will be an option for rock for this proposal and will continue to be developed to serve the State's needs for constructing access roads and performing road maintenance in the vicinity. Additional ballast and/or surfacing may be sourced commercially. Approximately 5,155 cubic yards of 4-inch pit run, and 3,145 cubic yards of 2 inch crushed surfacing may be developed from this 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:* **T26-0N R1-0W S10, T27-0N R1-0W S10, T26-0N R1-0W S33, T26-0N R1-0W S16, T26-0N R1-0W S15, T27-0N R2-0W S22**

*Please see summary of comments

b. Distance and direction from nearest town (see the driving map listed on the DNR website for further information): **The proposal is located 8 miles by road east of Quilcene.**

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 Toandos Peninsula and Big Quilcene WAUs. Harvest will occur within the Toandos Peninsula WAU, while activity in the Big Quilcene WAU will be limited to use of an existing rock pit. Watershed Analysis prescriptions for the Big Quilcene do not apply to the proposed pit use. Ownership across the WAUs includes industrial forests, private land owners, USFS lands, and Department of Natural Resources managed forests. Forested stands within the WAUs appear to be primarily second and third growth stands. The number of forest practice activities shown on the WAU maps, along with observations within the WAU indicate that the WAU is both intensively managed for timber production, and developed with private residences near this proposal.

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

This proposal 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 (RMZ's) on typed waters. This includes a variable width interior core buffer on type 1, 3, 4, unstable type 5 streams. Equipment limitation zones are required on all 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.

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 help the Department to mitigate for cumulative effects related to management activities. These strategies have been incorporated in this proposal.

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

WAU Name	Total WAU Acres	DNR-owned WAU Acres	Acres of DNR proposed even-aged harvest in the future	Acres of DNR proposed uneven-aged harvest in the future	Acres of proposed harvest on non-DNR-managed lands currently under active FP permits
TOANDOS PENINSULA	70920	9223	570	508	2048
BIG QUIL	57304	5087	543	157	95

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:	TOANDOS PENINSULA
WAU Acres:	70920
Elevation Range:	0 - 721 ft.
Mean Elevation:	209 ft.
Average Precipitation:	35 in./year
Primary Forest Vegetation Zone:	Western Hemlock

WAU:	BIG QUIL
WAU Acres:	57304
Elevation Range:	0 - 7717 ft.
Mean Elevation:	2525 ft.
Average Precipitation:	56 in./year
Primary Forest Vegetation Zone:	Western Hemlock

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

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

b. What is the steepest slope on the site (approximate percent slope)?
70%

*Please see summary of comments

c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.

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

State Soil Survey #	Soil Texture	Number of Acres within the Proposal
1601	V.GRAVELLY SANDY LOAM	28.9
7641	GRAVELLY SANDY LOAM	28.2
2000	GRAVELLY SANDY LOAM	24.6
7642	GRAVELLY SANDY LOAM	23.7
9100	GRAVELLY LOAMY SAND	15.0

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

*Please see summary of comments

☐ *No, go to question B-1-e.*
☒ *Yes, briefly describe potentially unstable slopes or landforms in or around the area of the proposal site. For further information, see question A-8 for related slope stability documents and question A-10 for the FPA number(s) associated with this proposal.*

The creek drainage to the west of Unit 2 exhibits inner gorge characteristics and convergent topography. This is also true for the stream to the north of Unit 3, and to the northeast of Unit 4.

There are four deep-seated landslides identified to the south and east of Unit 3 on private land. Two of these appear to be active, and the others are dormant indistinct to relic.

Coastal bluff erosion initiated by tidal action is occurring on the steep slopes to the west of Unit 4.

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

☐ *No* ☒ *Yes, describe the proposed activities:*
Cables may be hung over inner gorges near Units 2 and 3.
Two tailholds are proposed on stumps on high points within and/or near one of the dormant landforms. Harvest will also occur within the recharge areas to landforms around Unit 3.

2) *Describe any slope stability protection measures (including sale boundary location, road, and harvest system decisions) incorporated into this proposal.*
Inner gorge features are fully contained with the riparian management zones for Units 2-4. Convergent topography above the RMZs within the sale boundaries has also been protected with leave tree areas. These large leave tree clumps add further slope protection well beyond standard RMZ widths.

A State Lands Geologist performed an on-site inspection to evaluate identified features near Units 3 and 4, and to examine potential impacts of the proposal (see geotechnical report).

The evaluation concludes that the identified landslides around Unit 3 are partly formed in glacial material. The recharge area to the two active landforms has been mostly bound out of the proposed sale area. Approximately 0.2 acre remain in the sale on a ridgetop to provide a margin of safety for clearance near identified landings. The decision was made to require use of a cable and hand falling harvest system within defined slopes of the other recharge areas not excluded from the proposal. Use of a tethered assist harvest system or feller buncher were not given consideration, in order to limit ground disturbance.

A 50-foot wind buffer has been applied to the 200-foot shoreline management zone, establishing a 250-foot-wide RMZ along Dabob Bay. The added width will reduce blowdown on the upper edge of the bluffs, thereby decreasing the risk of initiating shallow rapid failures from above. No trees will be removed from this RMZ. Convergent topography above this RMZ within the sale boundary has also been protected with leave tree areas, extending the shoreline protection even further upslope.

Based on the classification of the landforms, boundary modification, and proposed harvest system design, the risk of planned harvest activities initiating soil movement is low.

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: **1.7**
Approx. acreage new landings: **3.9 acres (based on 100 ft x 100 ft impacted area)**

Fill Source: **Native on-site material will be excavated during road and landing construction. This material will be used for fill as needed.**

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

g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)? *Approximate percent of proposal in permanent road running surface (includes gravel roads):*
Approximately 1.0% 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. Equipment restrictions will be implemented for rubber tired or tracked skidding equipment in units with shallow soils, and for the use of feller bunchers and shovels on sustained slopes over 40 percent. Yarding profile analysis was performed to ensure lead-end suspension could be achieved over potentially problematic areas in Unit 3.

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: *Please see summary of comments

All surface waters found on site flow into unnamed tributaries that make their way downstream to Dabob Bay and Hood Canal.

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)
Wetland (> 1.0 acre)	Forested	1	154
Wetland (<1.0 acre & >0.25 acre)	Forested	3	100
Wetland (<1.0 acre & >0.25 acre)	Type B	1	100
Wetland (<0.25 acre)	Forested	3	N/A
Stream	3	3	157, 165 & 147
Stream	4	4	100
Stream	5	7	N/A
Dabob Bay	1 (S)	1	200*

*Wind buffer applied. See below.

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

Three small forested wetlands less than 0.25 acres in size have been protected with leave tree areas. Four wetlands between 0.25 and 1 acre in size have been protected with 100 foot wide wetland management zones (WMZ). Variable density thinning (VDT) will occur in three buffers associated with these wetlands in Units 6 and 7. Post thinning stand characteristics will retain an average of 120 square feet of basal area in Unit 6. In Unit 7, only trees needing to be removed for safety reasons will be harvested. These trees are identified within a tree length of the county road and overhead power lines. Trees will not be removed in the fouth buffer. A wetland complex measuring 1.5 acres has been protected with a 154 foot 100 year site index buffer within Unit 6.

Dabob Bay in Puget Sound is a shoreline of the state, and is located adjacent to Unit 4. A 200 foot shoreline buffer with an additional 50 foot wind buffer has been applied to this riparian zone. No timber will be removed within this protected area. Three Type 3 streams are found adjacent to Units 2-4. No channel migration zones are present. All three streams have been protected with riparian management zones, and site index buffers of 157 feet, 165 feet, and 147 feet respectively. No timber removals will occur, and no wind buffers were applied.

The four Type 4 streams have been protected with 100' RMZs. No timber removal will occur. Two of the type 5 streams are located within the sale area, and are protected by a large leave tree area. All other type 5 streams are located outside of the proposed sale area.

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 and yarding will occur within 200 feet of most described waters above. All activities will be done in accordance with the DNR's HCP and Forest Practice rules. Except for the Type 1 shoreline of the state, timber harvest will occur within 200' of typed waters, but no closer than described above in questions B.3.a.1.b and B.3.a.1.c. Cables may be strung across Type 3, 4, and 5 streams for tailholds; however, no timber will be yarded over these waters. See attached timber sale maps and FP application with accompanying maps for more details.

3) Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.

None.

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

☒ *No* ☐ *Yes, description:*

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)?*

TOANDOS PENINSULA = 3.3 (mi./sq. mi.)
BIG QUIL = 2.5 (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 WAUs intercept sub-surface flow and deliver surface water to streams, however current road construction, reconstruction, and/or maintenance standards will be applied that address this issue by installing cross-drains to deliver ditch water to stable forest floors.

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

☒ *No* ☐ *Yes, describe observations:*

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

It is not likely the proposed activity will change the timing, duration, or volume of water during a peak flow event. This proposal 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):* **There is a hatchery located 0.5 downslope of Penny Pit.**

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.*

All streams are located outside of the sale area or are protected by leave tree areas. Small forested wetlands are also protected by leave tree areas. Restricting timber harvest 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 and hydrologic functions, and provide recruitment of LWD. The proposal was screened under Watershed Analysis for the Big Quil and prescriptions do not apply.

b. Ground Water:

1) Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.

No water will be withdrawn or discharged.

2) Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.

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

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

☐ *No* ☒ *Yes, describe:* **See B.1.d.**

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: **See B.1.d.2.**

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: **white pine**

☒ Shrubs:
☒ *Huckleberry* ☒ *Rhododendron* ☒ *Salmonberry* ☒ *Salal*
☒ *Other:* **Oregon grape**

☒ *Ferns*

☐ Grass

☐ Pasture

☐ Crop or Grain
☐ *Orchards* ☐ *Vineyard* ☐ *Other Permanent Crops*

☐ Wet Soil Plants:
☐ Bullrush ☐ Buttercup ☐ Cattail ☐ *Devil's Club* ☐ Skunk Cabbage
☒ Other: **sedge**

☐ 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 4,420 MBF of 33 to 115-year-old timber will be harvested with this proposal. A minor amount of 16-year-old-reprod may also be cleared with pit expansion.

1) *Describe the species, age, and structural diversity of the timber types immediately adjacent to the removal area. (See "WAU Map(s)" and "Timber Harvest Unit Adjacency Map(s)" on the DNR website: http://www.dnr.wa.gov/sepa. Click on the DNR region of this proposal under the Topic "Current SEPA Project Actions - Timber Sales." Proposal documents also available for review at the DNR Region Office.)*

Unit 1 is bordered by the following State timber of listed age: 33 years, conifer plantation to the west; and 5 years, conifer reprod to the south. Private stands of conifer 33 years in age are also observed to the north and east.
Unit 2 is bordered on the west by 88-year-old mature State timber of similar stand type. Private stands of high-graded, mixed conifer and hardwood, with a planted understory of conifer are also observed to the north, east and south.

Unit 3 is bordered by the following State timber of listed age: 77 years, mature conifer stand to the north; and 24 years, conifer stand to the west. Private stands of conifer 14 years and 45 years are also found to the east and south respectively. Unit 4 is bordered by the following State timber of listed age: 92-year-old mature State timber to the west; and 14 years, conifer plantation to the east. Private stands of high-graded mixed conifer and hardwood, with a planted understory of conifer are also observed to the north and south. These are 40 years and 30 years of age respectively.
Unit 5 is bordered on all sides by a State owned 14-year-old conifer plantation.
Unit 6 is bordered by the following State timber of listed age: 56 years, conifer stand to the north; 33 years, conifer stand to the west; and 5 years, conifer reprod to the south. A private stand of conifer 33 years in age is also observed to the east.
Unit 7 is bordered by State timber of 57 years, mixed conifer and hardwood; and the private stand type common to Unit 2.

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

None found in corporate database *Please see summary of comments

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.

Scotch broom and tansy ragwort are found in most of the existing road right-of-ways.

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: raven
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).* *Please see summary of comments

TSU Number	Common Name	Federal Listing Status	State Listing Status
COYLE SORTS U7	Marbled murrelet	Threatened	Endangered

c. Is the site part of a migration route? If so, explain. *Please see summary of comments
☒*Pacific flyway* ☐*Other migration route:*
Explain: **This site is part of the Pacific flyway but is not used extensively for resting or feeding by waterfowl.**

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

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

Species /Habitat: **Bald Eagle** Protection Measures:
A DNR wildlife biologist collaberated with tribal biologists to perform an aerial survey to update historic eagle nest data. The presence of a nest site was confirmed near Unit 4. Federal guidance for comliance with the Bald and Golden Eagle Protection Act was used to develop this sale layout. No trees will be removed within a 330 foot radius from the nest tree. Seasonal restrictions will be implemented for harvest and road building activities within 660 feet of the nest from January 1st to August 31st during the nesting season. Several large, older trees have been marked as leave trees throughout the unit. These trees were selected based on their physical characteristics, and ability to provide continued nesting and roosting habitat. The extended shoreline buffer also contains multiple large Douglas fir trees of similar character.

Species /Habitat: **Blue Heron** Protection Measures:
An old heron rookery site was surveyed by DNR and WDFW biologists near Unit 5. All evidence of heron use is gone and animal occurrences layer data has been updated.

Species /Habitat: **Marbled Murrelet** Protection Measures:
The proposal does not occur within a marbled murrelet special habitat area, occupied site or buffer, and does not contain murrelet habitat (P-stage). Previously modeled long term forest cover (LTFC) is being updated as a result of layout fieldwork. Thinning will occur within two field verified LTFC areas associated with a wetland buffers in Units 6 and 7. Since this area does not overlap with any P-stage, no special murrelet protections are needed.

Species /Habitat: **Northern Spotted Owl** Protection Measures:
Penny Pit is located within the Townsend Creek (Status 1), Big Quilcene River (Status 1), and Mt. Walker (Status 2) owl management circles. No activities will occur within the best 70-acre core around the site center.

Species /Habitat: **Riparian and Wetland** Protection Measures:
Buffers have been applied to all Type 1-4 waters, and the larger wetlands, as described in B.3.a.1.b. Buffers are designed to protect the unstable portions of the stream banks, protect waters and wetlands 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 provide long term forest cover that, in combination with the owl and murrelet strategies, will help support old-forest dependent wildlife.

Species /Habitat: **Upland** Protection Measures:
Harvest will not occur in areas with moderate or high risk of slope failure or delivery to a public resource. 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.

None known.

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:

*Please see summary of comments

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. Hazard abatement to occur along county roads in Unit 2.

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. Blasting will also occur in Penny Pit.

3) Proposed measures to reduce or control noise impacts, if any:
County dispatch will be notified prior to blasting.

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: Current use is for timber production. This proposal will not change the use of or affect the current/long term land use of areas associated with this sale.

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

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

1) Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling, and harvesting? If so, how:

No.

c. Describe any structures on the site.

None.

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

No.

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

Commercial and Rural Forest

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

Commercial and Rural Forest

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

The shoreline environmental designations for areas near Unit 4 are "Priority Aquatic" and "Natural".

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

i. **Units 1 and 5-7 have no designations. Parts of Unit 2 have been designated as potential critical areas for landslide hazard, erosion hazard, and critical aquifer recharge area. Parts of Units 3 & 4 have been designated as potential critical areas for landslide hazard, shoreline slope stability, critical aquifer recharge area and seawater intrusion.**

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

None.

k. Approximately how many people would the completed project displace?

None.

l. Proposed measures to avoid or reduce displacement impacts, if any:

Does not apply.

m. 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.

n. 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:* **Unit 2 will be visible from Coyle county road. Portions of Units 3 will be visible from the Kitsap peninsula and Hood Canal. Portions of Unit 4 will also be visible from US Route 101 and from Dabob Bay.**

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

The majority of these areas will be temporarily void of timber until regeneration is established.

c. Proposed measures to reduce or control aesthetic impacts, if any:

The sale area will be replanted with native species following harvest. Leave trees will provide visual breaks, and distribution of harvest units within the landscape will reduce the aesthetic impact of the view shed.

11. Light and glare

a. What type of light or glare will the proposal produce? What time of day would it mainly occur?

None.

b. Could light or glare from the finished project be a safety hazard or interfere with views?

No.

c. What existing off-site sources of light or glare may affect your proposal?

None.

d. Proposed measures to reduce or control light and glare impacts, if any:

None.

12. Recreation

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

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

Signs will be posted near the proposal area to notify recreationists of active logging and increased traffic.

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. *Please see summary of comments

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. *Please see summary of comments

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 Historical Preservation (DAHP) database, historic USGS map on available GIS layer, and Land Resource Manager

(LRM) Special Concerns Report was used to check for 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 a presently-unknown cultural resource is discovered during project operations, DNR will comply with the March 2010 Cultural Resources Inadvertent Discovery Guidance. *Please see summary of comments

14. Transportation

a. Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.

The proposal is accessed from Highways 101 and 104 via Center-Quilcene road, to Dabob road, to Dabob Post Office road and Coyle road. It can also be accessed from Highway 104 via South Point road, to Thorndyke road, then to Coyle road.

b. Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?

No. Nearest transit spot is approximately 8.5 miles away.

c. How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?

None.

d. Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).

Yes, see A-11-c.

1) *How does this proposal impact the overall transportation system/circulation in the surrounding area and any existing safety problem(s), if at all?*

This project will have minimal to no additional impacts on the overall transportation system in the area.

e. Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.

No.

f. How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and non-passenger vehicles). What data or transportation models were used to make these estimates?

Approximately 20 to 30 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 6:00 p.m. of the operating period. The completed project will generate less than one vehicular trip per day. Estimates are based on the observed harvest traffic of past projects.

g. Will the proposal interfere with, affect or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.

No.

h. Proposed measures to reduce or control transportation impacts, if any:

Warning signs for truck haul will be posted, and the PT-C-2900 and PT-C-3000 gates will be kept locked during periods of inactivity.

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: **There are no utilities.**
☐ 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: Mark R Benner

Name of signee **Mark R Benner**

Position and Agency/Organization **Center Unit Coordinator/DNR Olympic Region**

Date Submitted: **02/20/2020**

WASHINGTON STATE DEPT OF NATURAL RESOURCES

FPA/N No. 2616418

Summary of Comments

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

A. Background

8. Engineering Geologic Risk Assessment - Coyle Sorts Timber Sale is available on FPARS with FPA/N 2616418.

10. FPA/N 2616418 and the associated Engineering Geologic Risk Assessment - Coyle Sorts Timber Sale are available for viewing in FPARS.

11. FPA/N 2616418 indicates approximately 142.2 acres of even-aged, uneven-aged, and right-of-way harvest with an estimated 4,420 MBF of timber being removed using shovel, tracked skidder, rubber tired skidder, and leading end suspension cable harvesting methods in eight harvest units. Road construction totaling approximately 5,100ft and rock pit expansion of approximately 0.75 acres are included in this proposal.

12. The location of this proposal is confirmed as Section 10 in Township 27 North, Range 1 West; Section 22 in Township 27 North, Range 2 West; and Sections 10, 15, 16, 33 in Township 26 North, Range 1 West in Jefferson County, per Question 7 of FPA/N 2616418.

B. Environmental Elements

Earth

1.b. The steepest slope is confirmed via Question 19 of FPA/N 2616418 and Engineering Geologic Risk Assessment - Coyle Sorts Timber Sale.

1.d. The FPA/N, Slope Stability Informational Form, Engineering Geologic Risk Assessment - Coyle Sorts Timber Sale indicates that inner gorges, bedrock hollows, deep-seated landslides, and their associated recharge areas are found in and around the harvest units.

Water

3.a.1. FPA/N 2616418 indicates multiple F and N streams, both within and adjacent to the Units.

Plants

4.b. FPA/N 2616418 indicates approximately 4,420 MBF of timber will be harvested.

4.c. FPRAM check indicates no potential conflicts with T&E plant species.

Animals

5.b. FPRAM check indicates MM detection area.

5.c. Washington State is considered part of the Pacific Flyway; however no impacts are anticipated as a result of this proposal.

Environmental Health

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

Historic and cultural preservation

13.a. FPRAM check confirms no conflict with cultural historical sites or resources.

13.b. FPRAM check confirms no conflict with archaeological or cultural sites or resources.

13.d. In the event that any unknown historical/archaeological resources are encountered, ground disturbing activities must be halted and DAHP and local tribes contacted.

Chelsea Drum 3/24/2020

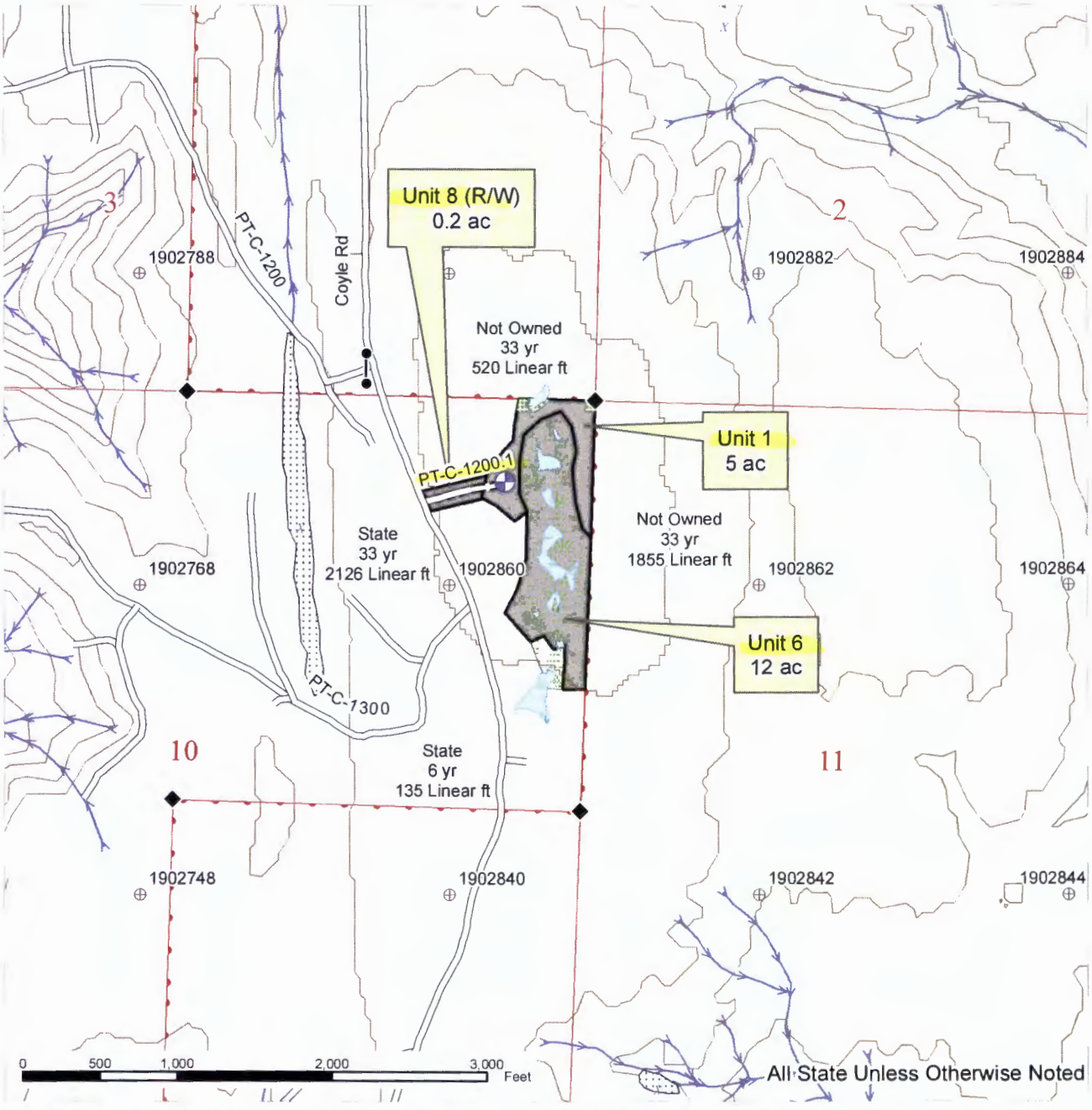
Chelsea Drum
Department of Natural Resources – Olympic Region
Forest Practices Coordinator

2616418

FOREST PRACTICES ACTIVITY MAP

SALE NAME: COYLE SORTS
APPLICATION #: TBD by FP Staff

COUNTY(S): Jefferson
TOWNSHIP(S): T26R1W, T27R1W



Sale Area	330' Eagle Buffer	Stream Type
Wetland Mgmt Zone	Eagle Seasonal Restriction	Stream Type Break
Riparian Mgmt Zone	DNR Managed Lands	Stream Does Not Exist
Waterbodies	Existing Road	Proposed Landing
Type B Wetland	Construction	Locked Gate
Forested Wetland	Skid Trail	Road Block
Leave Tree Area	Streams	Survey Monument

N

Prepared By: jbrn490

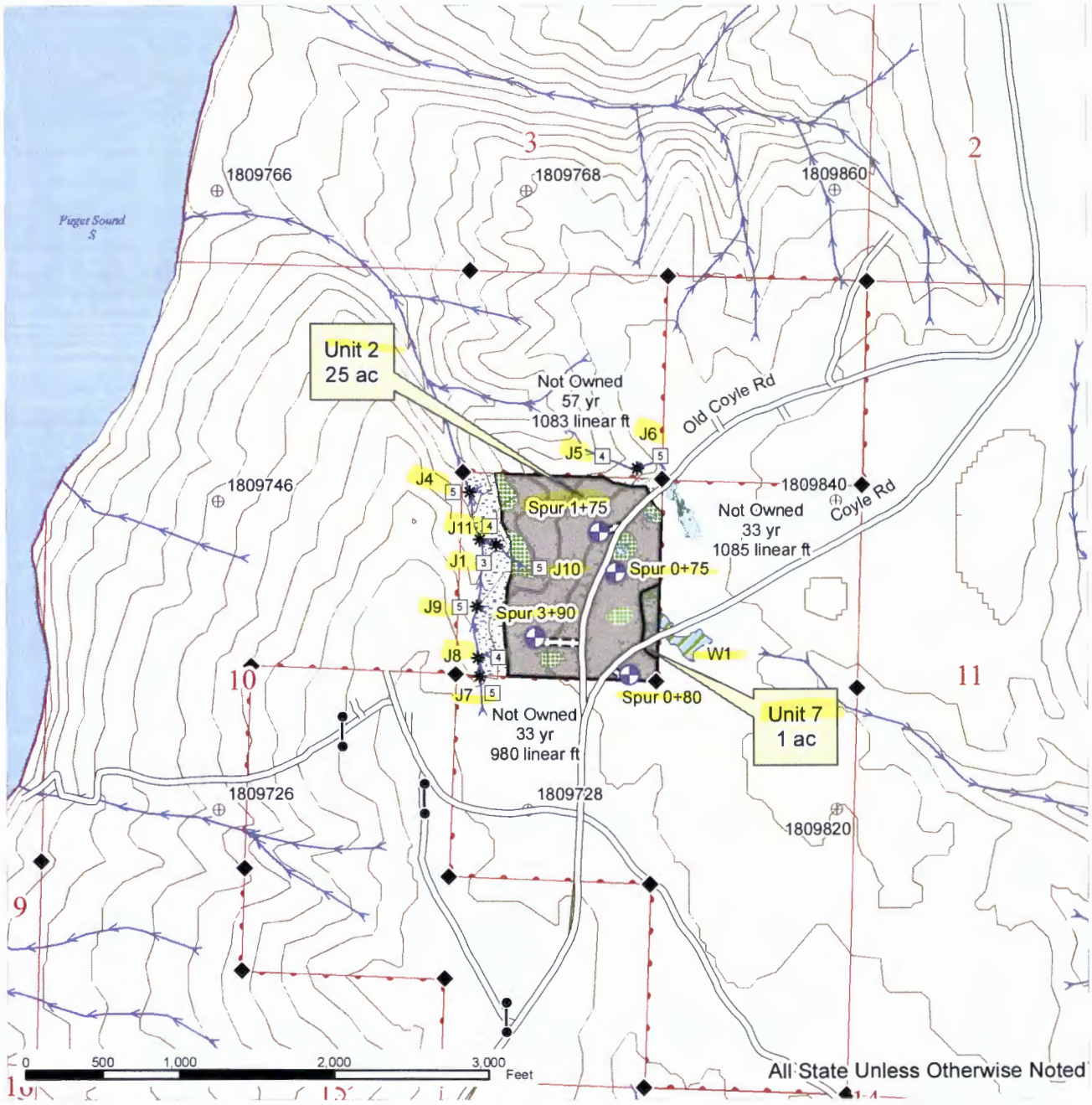
Modification Date: jbrn490 2/21/2020

FOREST PRACTICES ACTIVITY MAP

26164182

SALE NAME: COYLE SORTS
APPLICATION #: TBD by FP Staff

COUNTY(S): Jefferson
TOWNSHIP(S): T26R1W, T27R1W



Sale Area	330' Eagle Buffer	Stream Type
Wetland Mgmt Zone	Eagle Seasonal Restriction	Stream Type Break
Riparian Mgmt Zone	DNR Managed Lands	Stream Does Not Exist
Waterbodies	Existing Road	Proposed Landing
Type B Wetland	Construction	Locked Gate
Forested Wetland	Skid Trail	Road Block
Leave Tree Area	Streams	Survey Monument

N

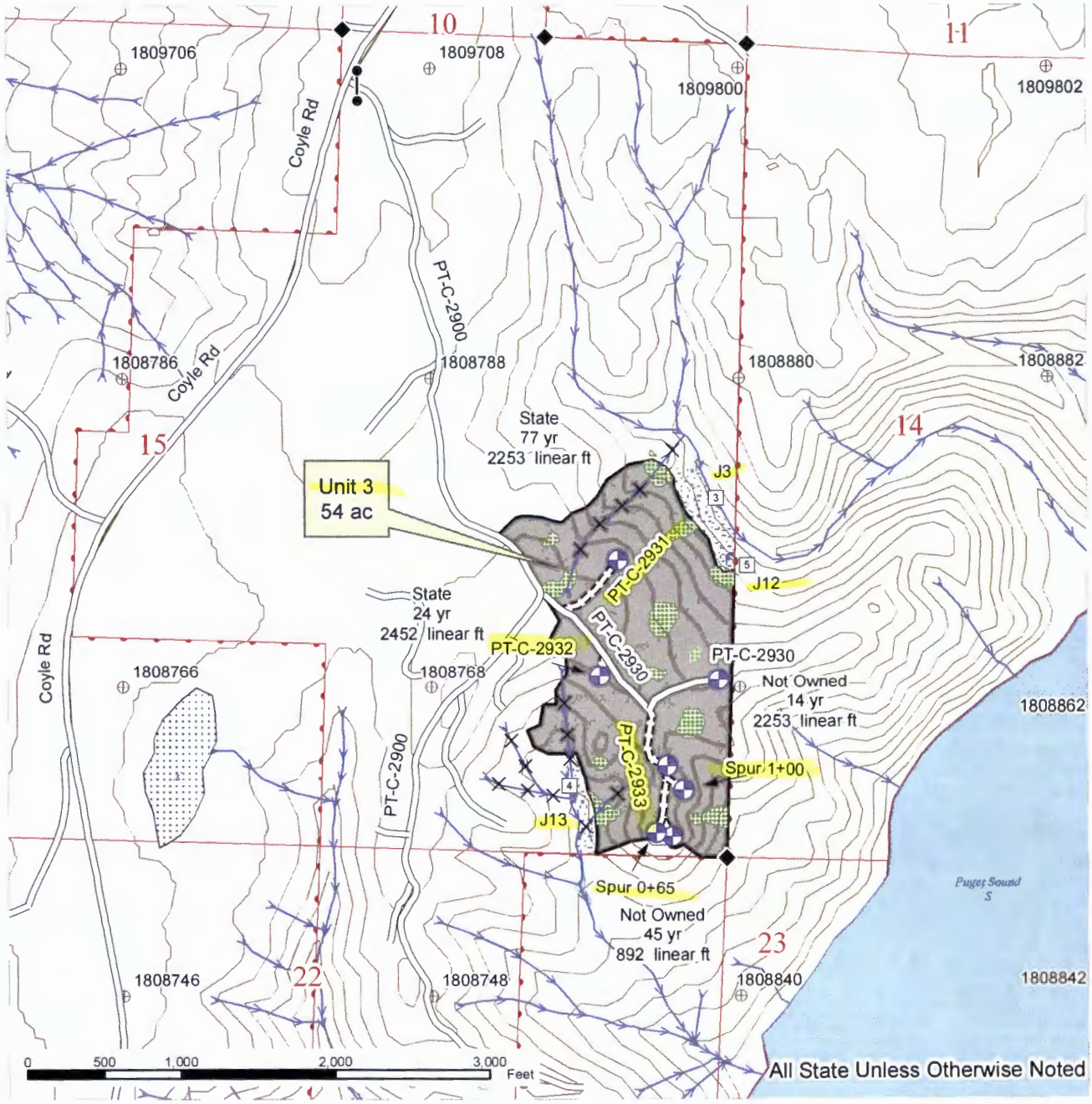
Prepared By: jbrn490

Modification Date: jbrn490 2/21/2020

FOREST PRACTICES ACTIVITY MAP

SALE NAME: COYLE SORTS
APPLICATION #: TBD by FP Staff

COUNTY(S): Jefferson
TOWNSHIP(S): T26R1W, T27R1W



Sale Area	330' Eagle Buffer	Stream Type
Wetland Mgmt Zone	Eagle Seasonal Restriction	Stream Type Break
Riparian Mgmt Zone	DNR Managed Lands	Stream Does Not Exist
Waterbodies	Existing Road	Proposed Landing
Type B Wetland	Construction	Locked Gate
Forested Wetland	Skid Trail	Road Block
Leave Tree Area	Streams	Survey Monument

N

Prepared By: jbrn490

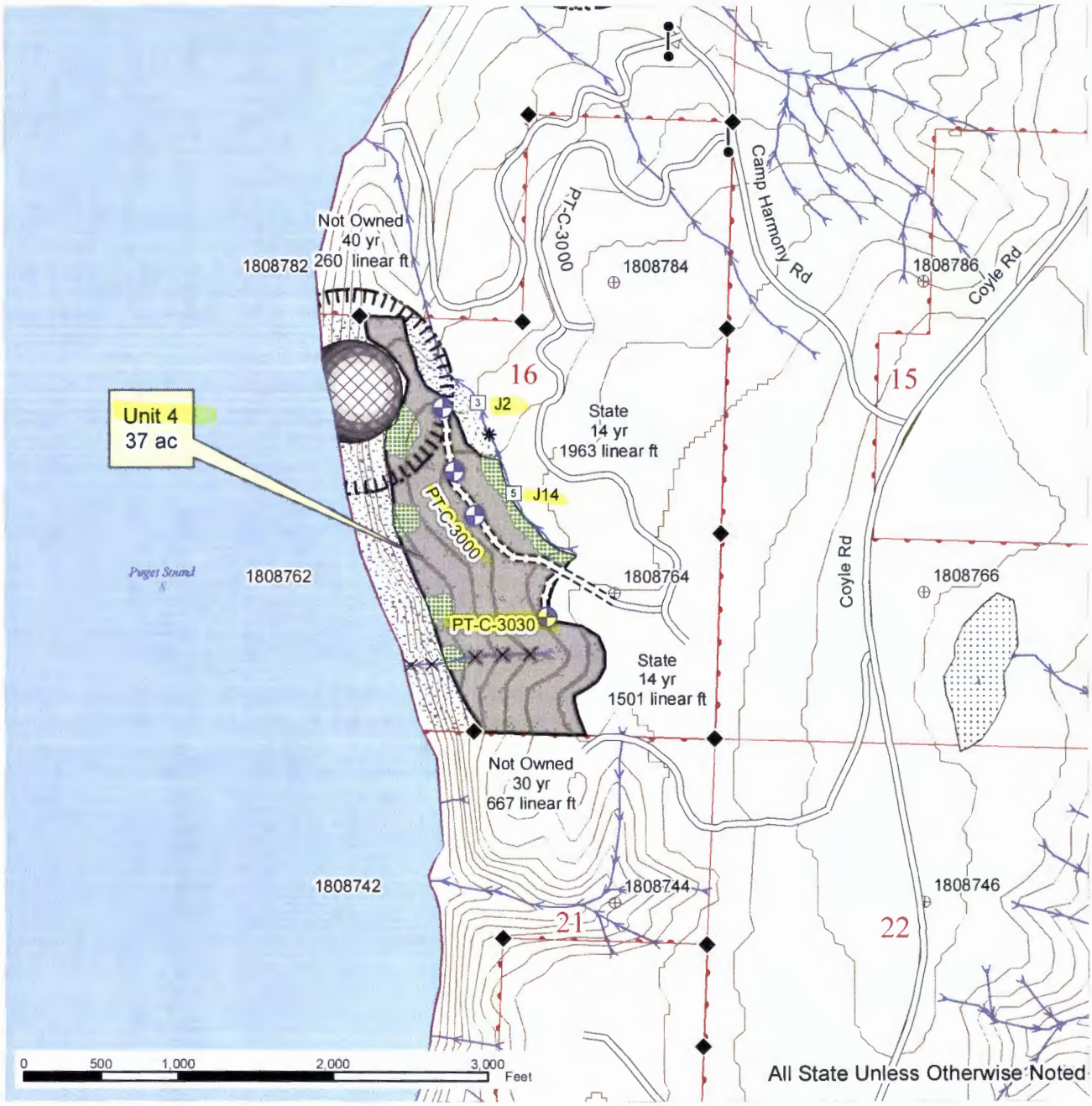
Modification Date: jbrn490 2/21/2020

2616418

FOREST PRACTICES ACTIVITY MAP

SALE NAME: COYLE SORTS
APPLICATION #: TBD by FP Staff

COUNTY(S): Jefferson
TOWNSHIP(S): T26R1W, T27R1W



Sale Area	330' Eagle Buffer	Stream Type
Wetland Mgmt Zone	Eagle Seasonal Restriction	Stream Type Break
Riparian Mgmt Zone	DNR Managed Lands	Stream Does Not Exist
Waterbodies	Existing Road	Proposed Landing
Type B Wetland	Construction	Locked Gate
Forested Wetland	Skid Trail	Road Block
Leave Tree Area	Streams	Survey Monument

N

Prepared By: jbrn490

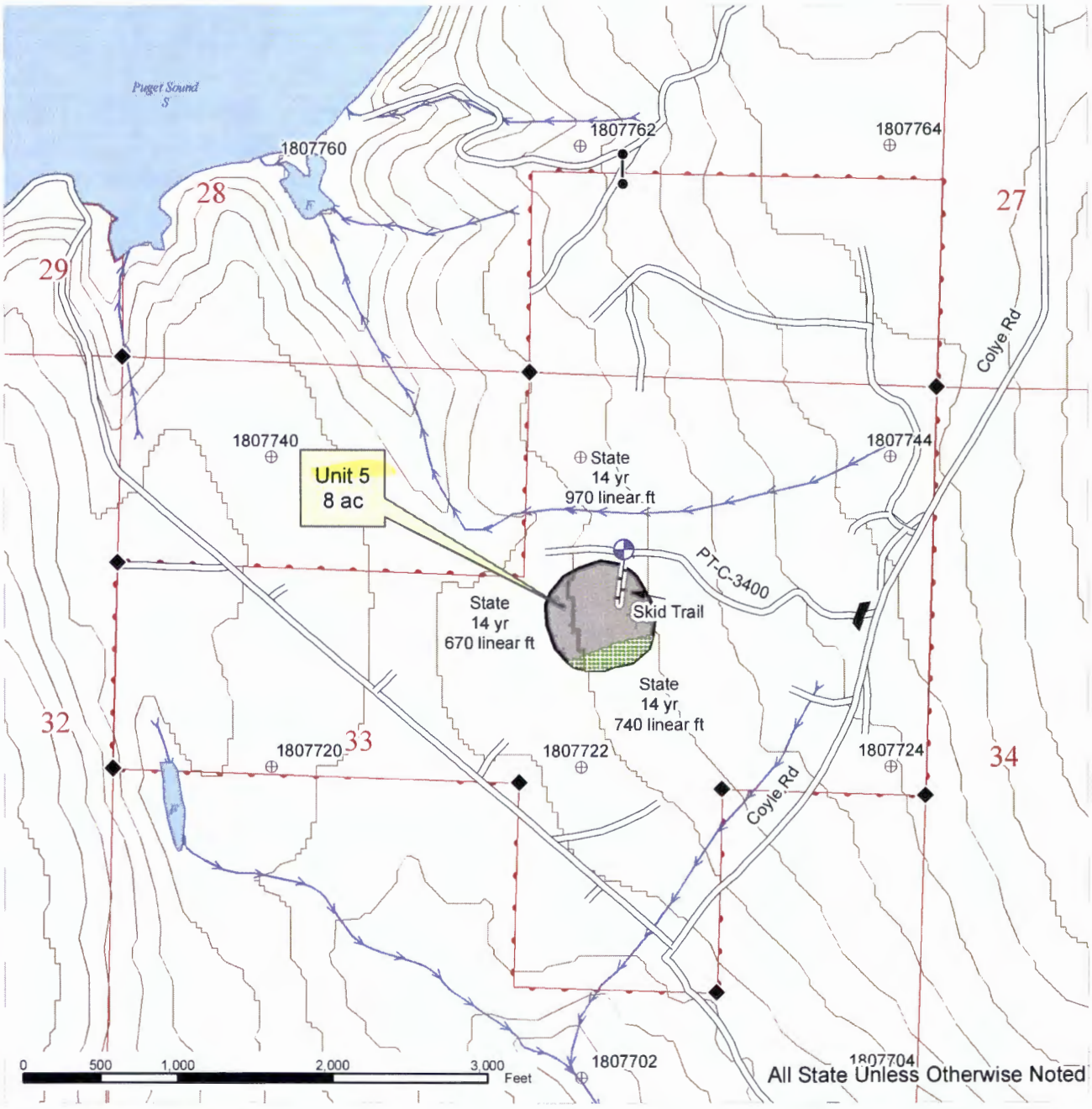
Modification Date: jbrn490 2/21/2020

2616418

FOREST PRACTICES ACTIVITY MAP

SALE NAME: COYLE SORTS
APPLICATION #: TBD by FP Staff

COUNTY(S): Jefferson
TOWNSHIP(S): T26R1W, T27R1W



Sale Area	330' Eagle Buffer	Stream Type
Wetland Mgmt Zone	Eagle Seasonal Restriction	Stream Type Break
Riparian Mgmt Zone	DNR Managed Lands	Stream Does Not Exist
Waterbodies	Existing Road	Proposed Landing
Type B Wetland	Construction	Locked Gate
Forested Wetland	Skid Trail	Road Block
Leave Tree Area	Streams	Survey Monument

N

Prepared By: jbrn490

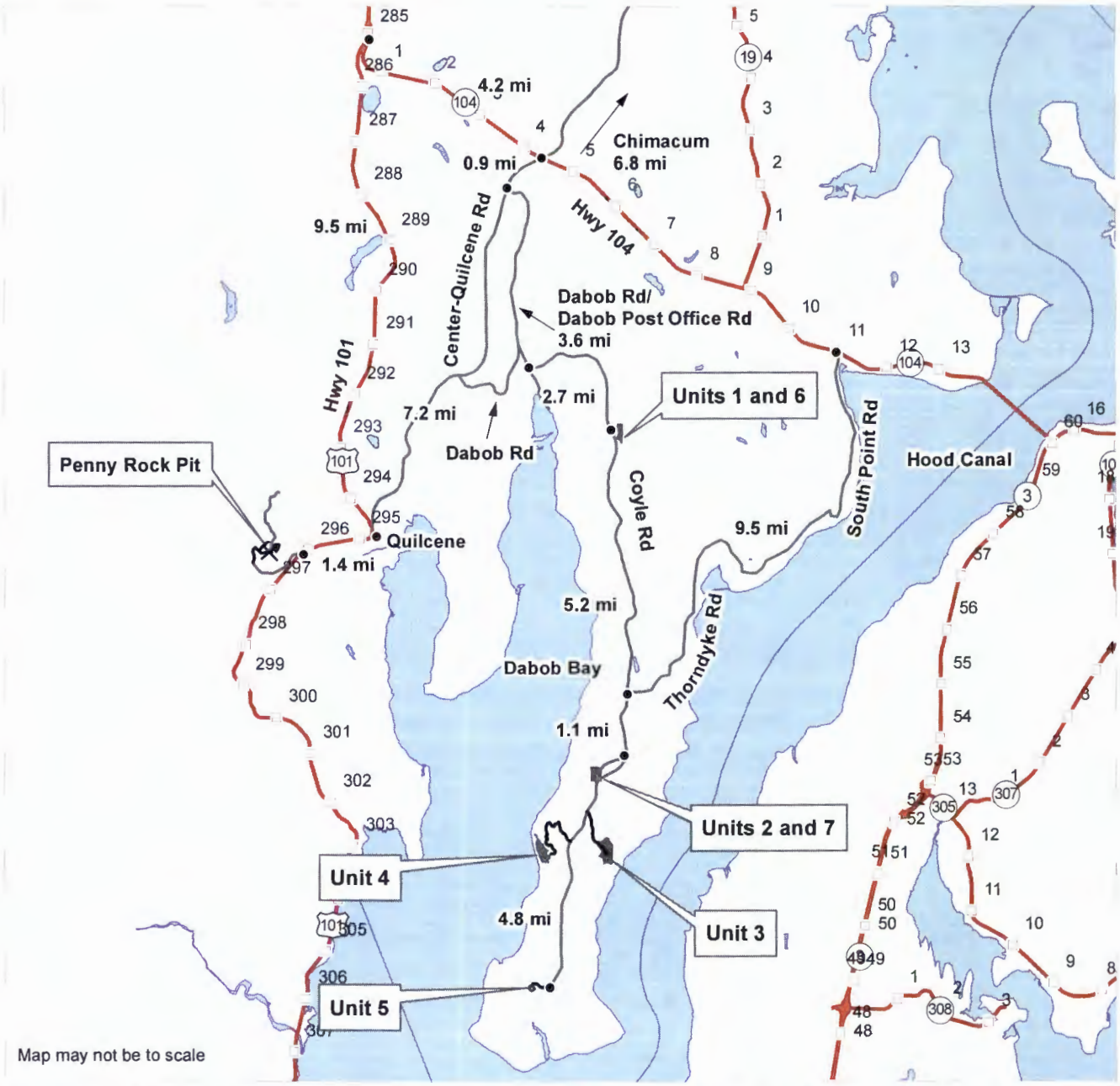
Modification Date: jbrn490 2/21/2020

2616418

DRIVING MAP

SALE NAME: COYLE SORTS
AGREEMENT#: 30-099251
TOWNSHIP(S): T26R1W, T27R1W
TRUST(S): Common School and Indemnity (3), State Forest Transfer (1)

REGION: Olympic Region
COUNTY(S): Jefferson
ELEVATION RGE: 120-620



- Timber Sale Unit
- Open Water
- Highway
- Haul Route
- Other Road
- Rock Pit
- Distance Indicator
- Milepost Markers

DRIVING DIRECTIONS:

All units are located on the Toandos Peninsula, accessed via Coyle Rd. To reach Coyle Rd, turn east from Center-Quilcene Rd onto Dabob Rd 0.9 mi SW of Hwy 104, stay left at 3.2 mi to continue on Dabob Post Office Rd, then turn left onto Coyle Rd after 0.4 mi. For access to Units 1 and 6, drive 2.7 mi on Coyle Rd and turn left onto Rd PT-C-1200.1 (marked with orange tags), which provides direct access to the units. To reach Units 2 and 7, continue south on Coyle Rd 6.3 mi (9 mi total), turn right onto Old Coyle Rd, and continue 0.6 mi. To access Unit 3, turn left from Coyle Rd at 10.4 mi (total) onto gated Rd PT-C-2900 (AA-1 key), and drive 0.7 mi. To reach Unit 4, turn right onto Camp Harmony Rd 0.6 mile south of Rd PT-C-2900, drive 0.4 mi to gated Rd PT-C-3000 (AA-1 key), and continue 1.1 mi. To access Unit 5, turn right onto Rd PT-C-3400 2.8 mi south of Camp Harmony Rd (at 13.8 mi on Coyle Rd). The road is barricaded, so the unit can be accessed by foot 0.4 mi from Coyle Rd.

N

Prepared By: pdun490

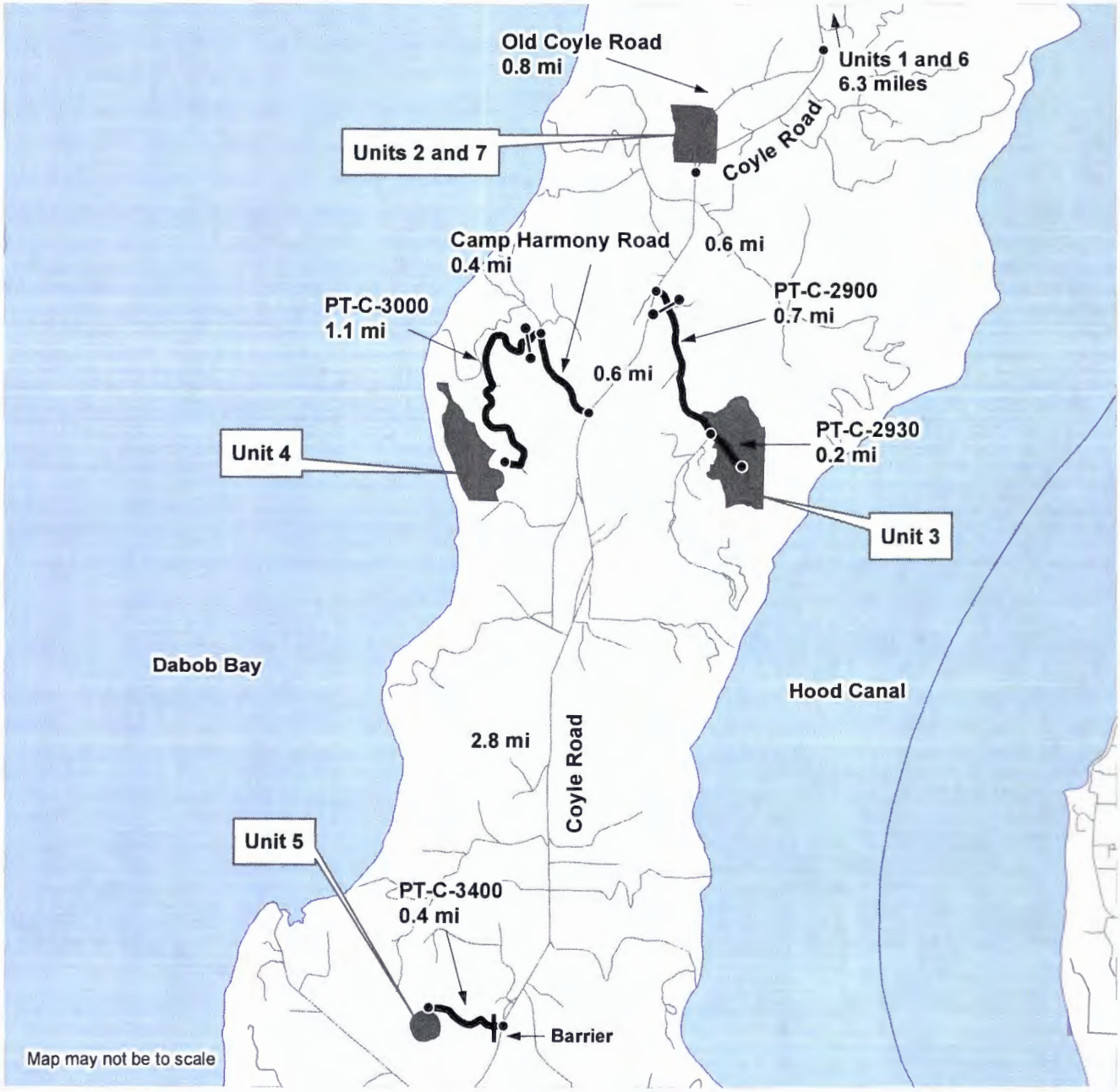
Modification Date: pdun490 2/24/2020

2616418

DRIVING MAP

SALE NAME: COYLE SORTS
AGREEMENT#: 30-099251
TOWNSHIP(S): T26R1W, T27R1W
TRUST(S): Common School and Indemnity (3), State Forest Transfer (1)

REGION: Olympic Region
COUNTY(S): Jefferson
ELEVATION RGE: 120-620



Timber Sale Unit
Open Water
Haul Route
Other Road
Distance Indicator
Gate

DRIVING DIRECTIONS:

All units are located on the Toandos Peninsula, accessed via Coyle Rd. To reach Coyle Rd, turn east from Center-Quilcene Rd onto Dabob Rd. 0.9 mi SW of Hwy 104, stay left at 3.2 mi to continue on Dabob Post Office Rd, then turn left onto Coyle Rd after 0.4 mi.
To reach Units 2 and 7, drive 9.0 mi south on Coyle Rd, turn right onto Old Coyle Rd, and continue 0.6 mi. To access Unit 3, turn left off of Coyle Rd at 10.4 mi onto gated Rd PT-C-2900 (AA-1 key), and drive 0.7 mi. To reach Unit 4, turn right onto Camp Harmony Rd 0.6 mile south of Rd PT-C-2900, drive 0.4 mi to gated Rd PT-C-3000 (AA-1 key), and continue 1.1 mi. To access Unit 5, turn right onto Rd PT-C-3400 2.8 mi south of Camp Harmony Rd (at 13.8 mi on Coyle Rd). The road is barricaded, so the unit is accessed by foot 0.4 mi from Coyle Rd.

N

Prepared By: pdun490

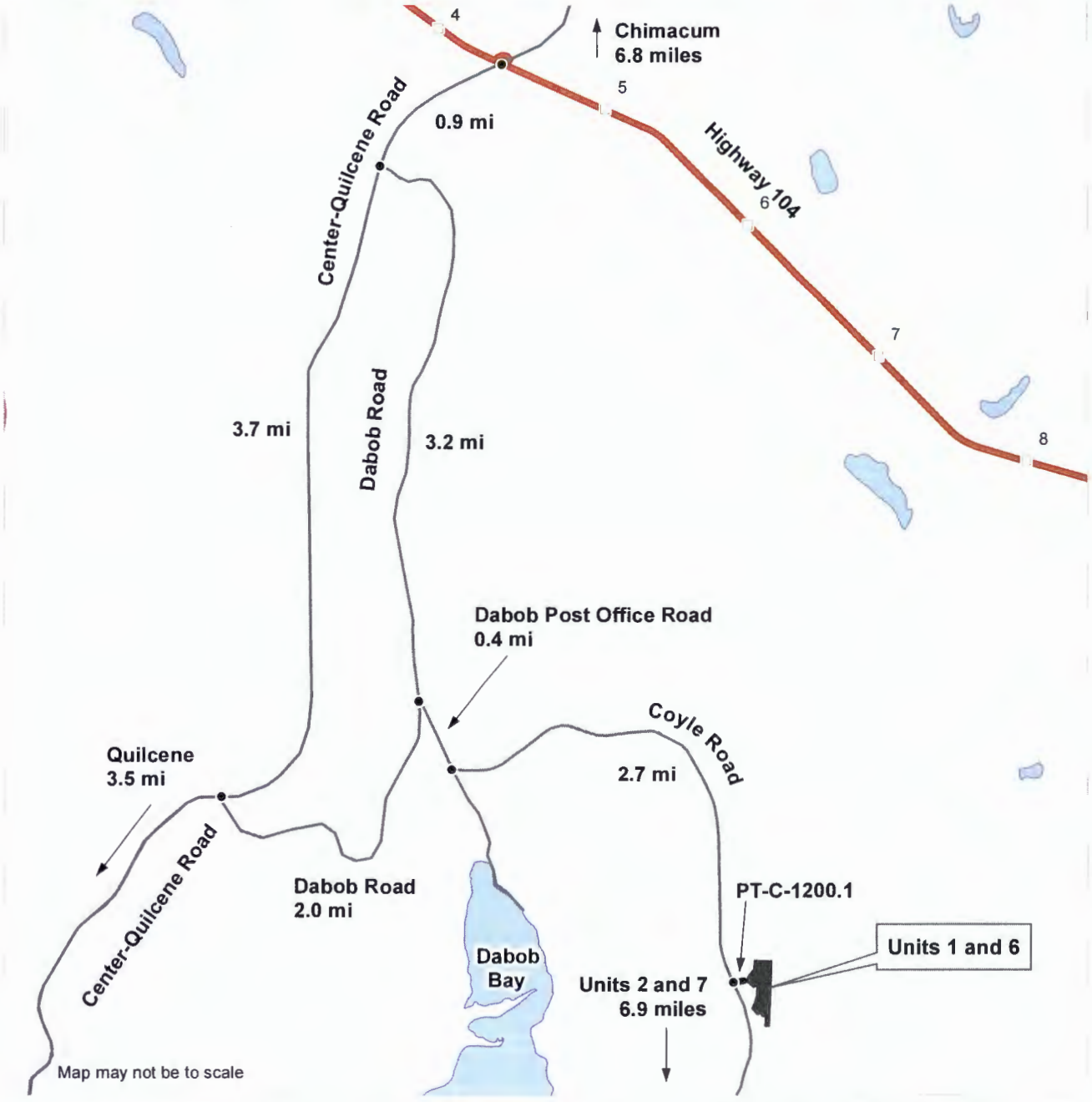
Modification Date: pdun490 2/24/2020

2616418 -1

DRIVING MAP

SALE NAME: COYLE SORTS
AGREEMENT#: 30-099251
TOWNSHIP(S): T26R1W, T27R1W
TRUST(S): Common School and Indemnity (3), State Forest Transfer (1)

REGION: Olympic Region
COUNTY(S): Jefferson
ELEVATION RGE: 120-620



Timber Sale Unit
Open Water
Haul Route
Other Road
Highway
Distance Indicator

DRIVING DIRECTIONS:

All units are located on the Toandos Peninsula, accessed via Coyle Rd. To reach Coyle Rd, turn east from Center-Quilcene Rd onto Dabob Rd. 0.9 mi SW of Hwy 104, stay left at 3.2 mi to continue on Dabob Post Office Rd, then turn left after 0.4 mi. For access to Units 1 and 6, follow Coyle Rd for 2.7 mi and turn left onto Rd PT-C-1200.1 (marked with orange tags), which provides direct access to the units. To reach Units 2, 3, 4, 5, and 7, continue south on Coyle Rd (see other Driving Maps).

N

Prepared By: pdun490

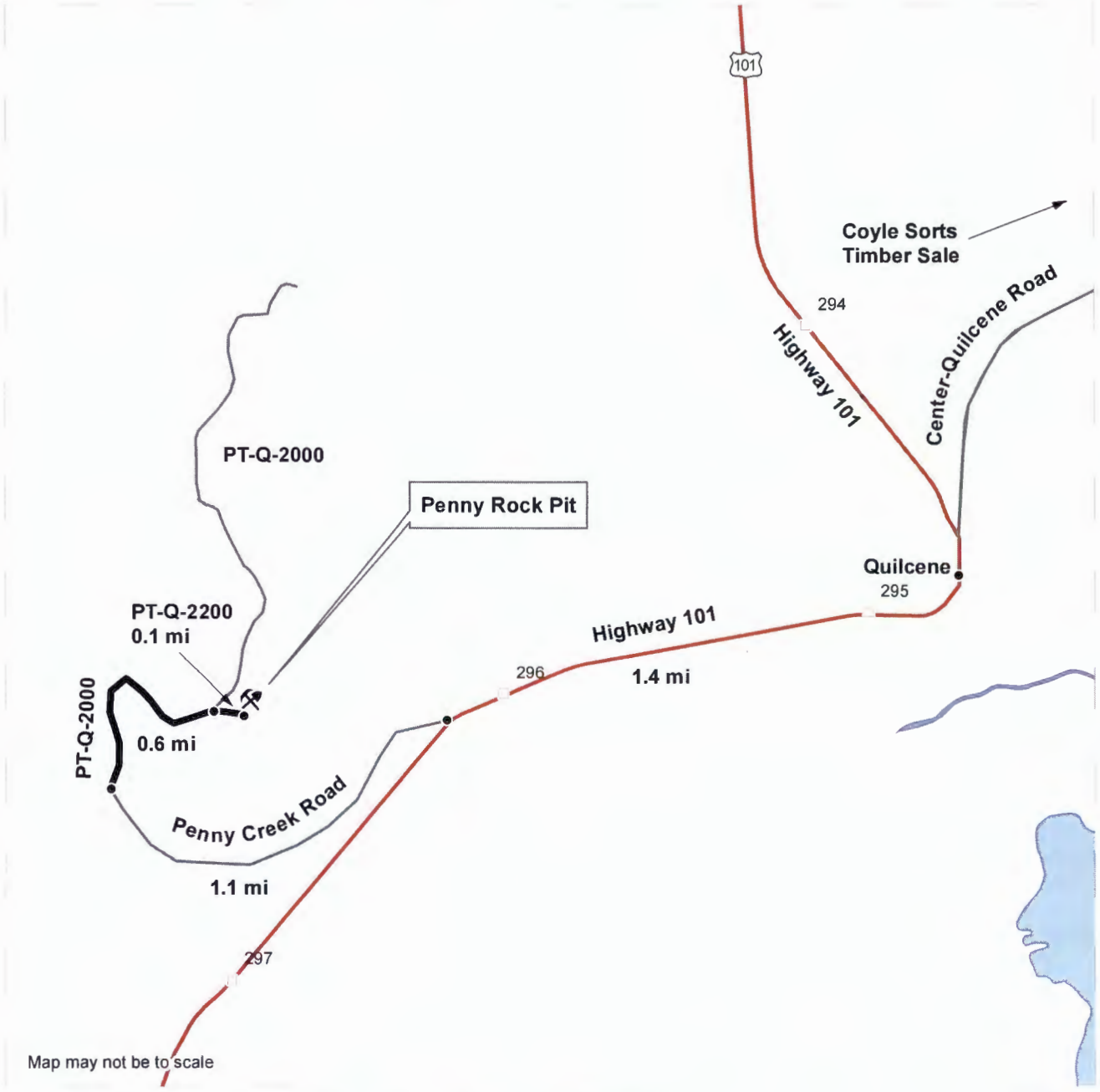
Modification Date: pdun490 2/24/2020

2616418

DRIVING MAP

SALE NAME: COYLE SORTS
AGREEMENT#: 30-099251
TOWNSHIP(S): T26R1W, T27R1W
TRUST(S): Common School and Indemnity (3), State Forest Transfer (1)

REGION: Olympic Region
COUNTY(S): Jefferson
ELEVATION RGE: 120-620



- Haul Route
- Other Road
- Highway
- Rock Pit
- Distance Indicator
- Milepost Markers
- Waterbodies

DRIVING DIRECTIONS:

Penny Rock Pit

From Hwy 101, approximately 1.4 mi southwest of Quilcene, turn onto Penny Creek Rd, drive 1.1 mi, then turn right onto Rd PT-Q-2000. Follow Rd PT-Q-2000 for 0.6 mi, then continue on Rd PT-Q-2200 for 0.1 mi.

N

Prepared By: pdun490

Modification Date: pdun490 2/24/2020