

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: **Q WANLESS CREEK**

Agreement # 30-106239

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

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

Robert Hechinger
Washington Department of Natural Resources
225 S. Silke Rd.
Colville, WA 99114
(509)684-7474

4. Date checklist prepared: **12/10/2023**

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

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

a. Auction Date:

09/24/2024

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

10/1/2026

c. Phasing:

None planned.

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:

TSU NO: 1 GROUND HERBICIDE	07/01/2027	88.0 acres
TSU NO: 1 PILE & BURN	10/15/2027	4 acres
TSU NO: 2 GROUND HERBICIDE	07/01/2027	98.8 acres
TSU NO: 2 PILE & BURN	10/15/2027	5 acres
TSU NO: 3 GROUND HERBICIDE	07/01/2027	29.1 acres
TSU NO: 3 PILE & BURN	10/15/2027	3 acres
TSU NO: 4 GROUND HERBICIDE	07/01/2027	33.2 acres
TSU NO: 4 PILE & BURN	10/15/2027	3 acres

TSU NO: 5 GROUND HERBICIDE	07/01/2027	38.2 acres
TSU NO: 5 PILE & BURN	10/15/2027	3 acres

b. Regeneration Method:

TSU NO: 1 HAND PLANT	04/01/2029	88.0 acres
TSU NO: 2 HAND PLANT	04/01/2029	98.8 acres
TSU NO: 3 HAND PLANT	04/01/2029	29.1 acres
TSU NO: 4 HAND PLANT	04/01/2029	33.2 acres
TSU NO: 5 HAND PLANT	04/01/2029	38.2 acres

c. Vegetation Management:

TSU NO: 1 SEED GRASS	05/01/2028	3 acres
TSU NO: 2 SEED GRASS	05/01/2028	3 acres
TSU NO: 3 SEED GRASS	05/01/2028	3 acres
TSU NO: 4 SEED GRASS	05/01/2028	3 acres
TSU NO: 5 SEED GRASS	05/01/2028	3 acres

d. Other:

Road maintenance assessments will be conducted and may include periodic ditch and culvert cleanout and grading as necessary. Landing slash may be piled and burned, or if economically feasible, chipped for biomass. Firewood cutting may take place after harvest activities have concluded. Application of herbicides may occur to assist with site preparation and to control roadside weeds. Prescribed fire may be utilized to achieve future silvicultural, forest health, fuel reduction, or fire hazard abatement objectives. Ongoing road maintenance assessments will be conducted and may include periodic road grading, ditch and culvert cleanout, as necessary. Pre-commercial thinning needs will be assessed at approximately 7 to 15 years of age. Commercial thinning potential will be assessed at approximately 25 to 40 years of age. Thinning may be done as needed to meet desired density, stocking, species diversity, and growth.

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: Mill Creek (temperature), Pend Oreille River (temperature)

temp

sediment

completed TMDL (total maximum daily load)

Landscape plan:

Watershed analysis:

Interdisciplinary team (ID Team) report:

Road design plan: draft DNR road plan dated 12/08/2023.

Wildlife report:

Geotechnical report:

Other specialist report(s):

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

Rock pit plan:

Other: GIS generated WAU maps reporting: soil types, mass wasting potential, erosion potential, soil stability, and habitat typing; DNR Smoke Management Plan; State Soil Survey; Policy

for Sustainable Forests; “Identifying Old Trees and Forests in Eastern Washington” by Robert Van Pelt, September 2008; and DNR Road Maintenance and Abandonment Plan No. R2301295, R2301297.

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 # 3026934 FPHP Board of Natural Resources Approval
- Burning permit Shoreline permit Existing HPA
- Other:

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

a. *Complete proposal description:* There are five variable retention harvest units associated with the Q Wanless Creek Timber Sale. Approximately 4,500 thousand board feet (MBF) of conifer timber is proposed for harvest. Approximately 5,175 feet of new road construction is associated with this proposal.

The proposal is located in a Tier 1 high priority Hydrologic Unit Code (HUC) 5 watershed of the DNR 20-Year Forest Health Strategic Plan.

Unit	Proposal Acres (gross)	RMZ/WMZ Acres	Potentially Unstable Slope Acres	Existing Road Acres (within unit)	Sale Acres	Leave Tree Clump Acres	Net Harvest Acres
1	89.4	0.7			89.4	1.4	88.0
2	99.8	0			99.8	1.0	98.8
3	29.6	0		0.5	29.6		29.1
4	36.1	0			36.1	2.9	33.2
5	38.4	0		0.2	38.4		38.2
ROW 6	0.4	0			0.4		0.4
ROW 7	0.3	0			0.3		0.3
ROW 8	0.7	0			0.7		0.7
ROW 9	0.5	0			0.5		0.5
ROW 10	0.5	0			0.5		0.5
Totals	295.7	0			295.7	5.3	289.7

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

Pre-harvest Stand Description:

Unit	Origin Date	Major Timber Species	Type of Harvest
1	1911, 1917	Douglas-fir, ponderosa pine, lodgepole pine, western red cedar	Variable Retention Harvest
2	1924, 1944	Douglas-fir, ponderosa pine, lodgepole pine, western larch, western red cedar	Variable Retention Harvest
3	1912	Douglas-fir, western red cedar, western larch	Variable Retention Harvest
4	1908	Douglas-fir, lodgepole pine, sub alpine fir, ponderosa pine	Variable Retention Harvest
5	1943	grand fir, Douglas-fir, ponderosa pine	Variable Retention Harvest
ROW 6	1906	lodgepole pine, Douglas-fir	Right-of-way
ROW 7	1908	grand fir, Douglas-fir, sub alpine fir	Right-of-way
ROW 8	1939	grand fir, western larch, Douglas-fir	Right-of-way
ROW 9	1917	Douglas-fir, ponderosa pine, lodgepole pine, western red cedar	Right-of-way
ROW 10	1924	Douglas-fir, ponderosa pine, lodgepole pine, western larch, western red cedar	Right-of-way

Overall Unit Objectives:

- 1) Produce revenue for the Common School Trust (03) and Charitable/Educational/Penal & Reformatory Institute, Trust (06) through the production of saw logs and pulp material.
- 2) Provide for wildlife and riparian habitat by developing vertical stand structure and age class distribution in the future stands.
- 3) Improve stand health by adding early seral species resistant to root disease and remove as much mistletoe infected western larch and beetle affected ponderosa pine, Douglas-fir, and grand fir in the proposal area as possible.

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		5,175	3.56	0
Reconstruction		0		0
Maintenance		126,838		0
Abandonment		0	0	0
Bridge Install/Replace	0			0
Stream Culvert Install/Replace (fish)	0			0
Stream Culvert Install/Replace (no fish)	2			
Cross-Drain Install/Replace	3			

There may be up to 599 feet of additional new road construction within the sale area, in the form of short spurs to facilitate access to landings, protect public resources, maintain ingress and egress, or provide for safety.

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: T33-0N R44-0E S28, T35-0N R44-0E S24, T35-0N R45-0E S20,30

b. Distance and direction from nearest town: From Usk:

Units 1 through 4 are located approximately 25 road miles northeast of Usk, WA. The route from Usk is via Kings Lake Road, to North LeClerc Road, to Mill Creek Road/E354433A. Unit 5 is located approximately 2 road miles from Usk WA. The route from Usk is via Kings Lake Road, to the E334429F road.

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).

Within the Middle Creek WAU, Mill Creek and the Pend Oreille River is on the state 303(d) list for temperature and approximately two miles downstream from the proposal. Within the Cee Cee Ah Creek

WAU and the Skookum WAU, the Pend Oreille River is on the state 303(d) list for temperature and approximately one mile downstream from the proposal.

All units of the Middle Creek timber sale proposal area are within the Salmo-Priest lynx management zone. (See B.5.d.1) for further information on lynx habitat management.

Bull trout critical habitat is located within the Middle Creek WAU, Cee Cee Ah WAU, and Skookum WAU, and has been addressed within the sale area.

Within the Middle Creek WAU, Cee Cee Ah Creek WAU, and Skookum WAU, unstable landforms have been observed. Several unstable landforms were observed near the proposal area. These landforms were excluded from the proposal area.

Within the Middle Creek WAU, Cee Cee Ah WAU, and Skookum WAU, gray wolves have been observed. No gray wolves were observed or den site identified near the sale area during the timber sale layout. In Washington State gray wolves are listed as an endangered species. They were delisted by the federal government in 2011 in the eastern 1/3 of Washington. No forest management restrictions are anticipated for wolves, as they are tolerant of disturbance.

Individual activities, such as this proposal, are likely to emit some greenhouse gases, including CO₂; however, at the landscape scale, DNR's sustainable land management activities, including this proposal, sequester more carbon than they emit. Recognizing the climate and carbon benefits of working forests in Washington's Climate Commitment Act (RCW 70A.45.005), the legislature found that Washington should maintain and enhance the state's ability to continue to sequester carbon through natural and working lands and forest products. Further, "Washington's existing forest products sector, including public and private working forests and the harvesting, transportation, and manufacturing sectors that enable working forests to remain on the land and the state to be a global supplier of forest products, is, according to a University of Washington study analyzing the global warming mitigating role of wood products from Washington's private forests, an industrial sector that currently operates as a significant net sequesterer of carbon. This value, which is only provided through the maintenance of an intact and synergistic industrial sector, is an integral component of the state's contribution to the global climate response and efforts to mitigate carbon emissions." RCW 70A.45.090(1)(a).

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

DNR has maintained (statewide) a forest management certificate to the Sustainable Forestry Initiative standard since 2006. In managing state trust lands sustainably, DNR sequesters more carbon than it emits while conducting land management activities such as this proposal.

The timber harvested from DNR-managed lands is used to produce climate-smart forest products. The climate impacts of DNR's land management are analyzed in multiple environmental impact statements that have informed the Board of Natural Resources' decisions and are consistent with the IPCC, which states that "meeting society's needs for timber through intensive management of a smaller forest area creates opportunities for enhanced forest protection and conservation in other areas, thus contributing to

climate change mitigation.”

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

- Forest Practice Rules established Riparian Management Zones (RMZ) along streams to maintain riparian functions.
- Forest Practice Board Manual “Guidelines for Forest Roads” Best Management Practices (BMP) guides road construction and maintenance techniques.
- The DNR Policy for Sustainable Forests (2006) guided the development and layout of the proposal.
- The DNR Retention and Perpetuation of Biological Legacies and Green Trees Procedure (PR14-006-091) aided in the selection of retention trees.
- Identifying Old Trees and Forests in Eastern Washington, by Robert Van Pelt, September 2008, was utilized in the identification and protection of old growth trees.
- Sale layout follows the Washington State Department of Natural Resources Policy number PO14-009 regarding wildlife habitat pertaining to federally or state listed species.
- The Smoke Management Plan (SMP) regulates activities associated with pile burning or prescribed fire.
- DNR’s Lynx Management Habitat Plan (2006) guides DNR’s forest management activities to facilitate the creation and preservation of quality lynx habitat. It allows DNR to meet state and federal requirements for protecting lynx, while at the same time providing revenue through timber production.
- Forest Practice Board Manual Guidelines for Evaluating Potentially Unstable Slopes and Landforms
- DNR 20-Year Forest Health Strategic Plan.
- DNR State Lands Forest Health Plan.

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

- No harvest within the core and inner zone of Type F and Type Np riparian management zones except to the extent necessary for road construction.
- No harvest within average width wetland management zones except to the extent necessary for road construction.
- Rule-identified landforms defined by Forest Practice Board Manual and field verified by State Lands Geologist excluded from proposal area by a minimum of 50 feet.
- Retaining at least six leave trees from the largest available diameter classes per acre dispersed and aggregated throughout the harvest units.
- Planting of tree seedlings on harvest units to supplement natural regeneration and ensure adequate reforestation occurs.
- Proposal review by DNR wildlife biologist.
- A DNR State Lands geologist remotely reviewed all units of the sale utilizing historic aerial photographs, and GIS data from the DNR corporate database.

- Lynx corridors and lynx denning areas are designated and maintained in order to provide lynx with the necessary cover to travel through the area and provide suitable denning habitat. The units are expected to provide forage for hares in 7-10 years.
- Timing restrictions will be placed on sale for timber harvesting, timber hauling, road construction, and site preparation within one mile of an occupied wolf den from March 15th to July 30th or ¼ mile of a confirmed wolf den site at other times of the year.
- See B.1.h for measures to reduce or control erosion, or other impacts to the earth.

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

No.

e. Complete the table below with the reasonably foreseeable future activities within the associated WAU(s) (add more lines as needed). Future is generally defined as occurring within the next 7 years. This data was obtained from DNR's Land Resource Manager System on the date of processing this checklist and may be subject to change.

WAU Name	Total WAU Acres	DNR-managed WAU Acres	Acres of DNR proposed even-aged harvest in the future	Acres of DNR proposed uneven-aged harvest in the future	Acres of proposed harvest on non-DNR-managed lands currently under active FP permits
MIDDLE CREEK	28780	5335	630	0	933
CALISPELL CREEK	58017	3830	527	0	3132
CEE CEE AH CREEK	43332	1206	201	0	1217
SKOOKUM	62159	2207	15	0	2089

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:

MIDDLE CREEK

WAU Acres:

28780

Elevation Range:	2030 - 6166 ft.
Mean Elevation:	3528 ft.
Average Precipitation:	31 in./year
Primary Forest Vegetation Zone:	Western Hemlock
WAU:	CALISPELL CREEK
WAU Acres:	58017
Elevation Range:	2024 - 5889 ft.
Mean Elevation:	3010 ft.
Average Precipitation:	34 in./year
Primary Forest Vegetation Zone:	Douglas Fir
WAU:	CEE CEE AH CREEK
WAU Acres:	43332
Elevation Range:	2030 - 5971 ft.
Mean Elevation:	2926 ft.
Average Precipitation:	28 in./year
Primary Forest Vegetation Zone:	Western Hemlock
WAU:	SKOOKUM
WAU Acres:	62159
Elevation Range:	2030 - 5971 ft.
Mean Elevation:	2947 ft.
Average Precipitation:	30 in./year
Primary Forest Vegetation Zone:	Douglas Fir

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

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

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

62%

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

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

State Soil Survey #	Soil Texture
5389	SILT LOAM
5394	STONY SILT LOAM
1604	F.SANDY.LOAM
5393	STONY SILT LOAM
5709	SANDY LOAM

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

No, go to question B-1-e.

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

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

No Yes, describe the proposed activities:

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

Potentially unstable landforms were excluded from the proposal area using white "Timber Sale Boundary" tags. The timber sale was designed to minimize the amount of new road construction. Roads were designed to reduce the potential for mass wasting and surface erosion. Coordinated timber harvest skidding patterns, appropriate landing locations, effective contract administration, and road maintenance will minimize erosion potential. Water bars, drivable dips, ditching, cross drains, out-sloping, monitoring and re-vegetation will be utilized. One inner gorge was identified to the south of Unit 4, outside of the timber sale boundary. A possible deep-seated landslide and associated ground water recharge area was identified outside of the timber sale boundary tags around the area of Unit 4. The ground water recharge area is approximately 650 feet from the Unit 4 timber sale boundary. The inner gorge is approximately 600 feet from the Unit 4 timber sale boundary. State Lands Foresters, a State Lands Geologist, a Forest Practice Forester, and a Forest Practices Geologist visited and reviewed the features and determined that they are at a great enough distance that they will not impact or be a factor for the harvest as proposed.

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

Approx. acreage new roads: 3.56

Approx. acreage new landings: 10

Fill Source: Native material and commercial rock

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. Surface erosion may occur on road cut and fill slopes, especially during storms and spring runoff. However, none is expected to discharge into typed waters due to minimal stream crossings and proper road design incorporating effective water control structures. Hauling will be restricted during wet conditions and spring breakup. Non-erodible surface material will be placed where necessary.

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 2% of the site will remain as gravel roads.

h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:
(Include protection measures for minimizing compaction or rutting.)

- Coordinated skidding patterns and landing locations, effective contract administration, and normal road maintenance can minimize erosion potential.
- No felling, skidding, or other hauling activities will occur during spring break up unless approved by the contract administrator (CA).
- Harvest and haul activities will be monitored and activities will be restricted where needed to prevent sediment delivery to streams.
- Roads have been designed to minimize erosion potential and conduct water onto naturally vegetated forest floors utilizing drivable dips, in or out-sloping of road surfaces, crowning, ditching, and installation of cross drains.
- Energy dissipating structures will be placed at the outfall of cross drains where necessary to prevent erosion. Culvert headwalls will be armored where necessary.
- Skid trails will be grass seeded; water barred, or have slash placed where necessary to prevent erosion. Grass seeding will also occur on cut and fill slopes where necessary.
- Road Plan has been designed by a forest engineer and reviewed and approved by a licensed engineer.

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:

Dust abatement will occur on selected roads as needed between June 1st and October 30th or as directed by the CA. Pile burning and prescribed fire will adhere to the requirements of the Smoke Management Plan (SMP). The SMP provides regulatory direction, operating procedures, and advisory information regarding the management of smoke and fuels on the forestlands of Washington State. The goals of the SMP are to protect human health and safety from the effects of outdoor burning. The SMP is administered by DNR under authority described in the WA Clean Air Act.

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:

All units are located within the Middle Creek WAU, Cee Cee Ah Creek WAU, and Skookum WAU. Streams located within the units are tributaries to Mill Creek and the Pend Oreille River. Some stream segments in Middle Creek WAU, Cee Cee Ah Creek WAU, and Skookum WAU are on the state 303(d) list for temperature.

Within the proposal area, (as defined by "Washington Forest Practice Rules"), appropriate riparian management zones, and equipment limitation zones have been applied to all typed stream channels to provide shade and resource protection. Harvest activities are predicted to have no effect on 303 (d) listed stream segments.

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

Wetland, Stream, Lake, Pond, or Saltwater Name (if any)	Water Type	Number (how many?)	Avg RMZ/WMZ Width in feet (per side for streams)
Un-named stream	F	2	110' RMZ (35 foot outer zone of RMZ will be managed, retaining an average of 15 trees per acre.)
Un-named stream	Np	6	50' (No harvest RMZ)
Un-named stream	Ns	2	30' (Equipment Limitation Zone)
Wetland	Forested	1	No WMZ applied. No harvest within wetlands
Wetland	B	1	50' No harvest WMZ

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

All Type Np streams within harvest units are protected by a 50 foot no-cut riparian management zones.

Un-named F streams within harvest units are protected by a 75 foot no-cut riparian management zone.

Roads constructed in all units were located to minimize impacts on RMZs as much as possible.

- 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 harvest will occur no closer than 50 feet from associated Np streams. Timber harvest will occur no closer than 75 feet from associated Type F streams. No timber will be cut or yarded within 75 feet of Type F stream. Two culverts will be replaced over Type Np streams on the E354521A road. Road maintenance to prevent sediment delivery will occur on roads within 200 feet of Type F waters.

- 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:

Water may be withdrawn from local sources during operations to facilitate dust abatement activities. Contractor is required to obtain all necessary permits

- 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)?*

MIDDLE CREEK = 4.6 (mi./sq. mi.), CALISPELL CREEK = 3.7 (mi./sq. mi.), CEE CEE AH CREEK = 3.8 (mi./sq. mi.), SKOOKUM = 3.3 (mi./sq. mi.)

- 9) *Are there forest roads or ditches within the associated WAU(s) that deliver surface water to streams, rather than back to the forest floor?*

No Yes, describe:

It is likely some roads or road ditches within the WAU intercept surface flow and deliver surface water to streams on non DNR managed lands. On DNR managed lands, road construction, reconstruction, and/or maintenance standards are applied that address this issue by installing cross-drains to deliver surface water to the stable forest floor.

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

No Yes, describe observations:

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

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

It is not likely the proposed activity will change the timing, duration, or volume of water during a peak flow event. This proposal limits harvest unit size and proximity to other recent harvests, minimizes the extent of the road network, incorporates road drainage disconnected from stream networks, and implements wide riparian buffers which all have mitigating effects on the potential for this proposal to increase peak flows that could impact areas downstream or downslope of the proposal area.

Several protection measures have been designed within this proposal to minimize any contribution to peak flow events. Coordinated skidding patterns and landing locations, effective contract administration and normal road maintenance are expected to minimize erosion potential within and adjacent to the proposal area. Water bars, drivable dips, ditching, cross drains, out-sloping, monitoring and re-vegetation of cut slopes and skid trails will be used as needed to minimize the potential for soil erosion, mass wasting events and contribution to peak flows within the WAU's. See B-1-h.

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):

The Pend Oreille River is used for fishing, recreation and other public use is downstream of the proposed activity.

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.*

See B.1.h for protection and haul restrictions.

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:

The Pend Oreille River is used for fishing, recreation and other public use is downstream of the proposed activity.

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:

No additional protection measures needed. See B.1.h.

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.

Snowmelt and rain are the main sources of water runoff. Runoff collected by road surfaces will be diverted through drainage structures, including drivable dips and water bars, onto the forest floor. Drainage structures will be located to prevent runoff from directly entering stream channels. No ditched water will directly flow into any typed waters. In addition, roads will be out-sloped, crowned and drivable dips will be utilized where appropriate. Impacts to water will be addressed further with the application of grass seed on exposed soils within road right of ways.

- 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. Drainage structures will be installed to maintain naturally occurring drainage patterns.

- 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: Douglas Maple

Evergreen tree:

Douglas-Fir Engelmann Spruce Grand Fir Lodgepole Pine

Mountain Hemlock Noble Fir Pacific Silver Fir Ponderosa Pine

- Sitka Spruce* *Western Hemlock* *Western Redcedar* *Yellow Cedar*
- Other:
- Shrubs:
 - Huckleberry* *Rhododendron* *Salmonberry* *Salal*
 - Other:
- Ferns*
- Grass
- Pasture
- Crop or Grain
 - Orchards* *Vineyard* *Other Permanent Crops*
- Wet Soil Plants:
 - Bullrush* *Buttercup* *Cattail* *Devil's Club* *Skunk Cabbage*
 - Other:
- Water plants:
 - Eelgrass* *Milfoil* *Water Lily*
 - Other:
- Other types of vegetation:
- Plant communities of concern:*

- b. What kind and amount of vegetation will be removed or altered? (*Also see answers to questions A-11-a, A-11-b and B-3-a-2*).

All conifers, except legacy trees, wildlife reserve trees, green recruitment trees, and vegetation within the RMZs are designated to be removed as part of this harvest proposal. This proposal will remove approximately 4,500 MBF of mature conifer timber. The proposal was marked to leave at least six trees per acre. Understory vegetation will be disturbed and/or reduced within the proposed harvest area as a result of timber harvest and site preparation activities. It is expected that vegetation will re-establish within two to three years after harvest activities are complete. Upon the completion of harvest, herbicide application may be necessary to control brushy plants, while new seedlings become established. Grass seeding with native species will occur as needed to reduce noxious weeds and erosion potential.

Reserve trees were selected in accordance with DNR's Retention and Perpetuation of Biological Legacies and Green Trees Procedure, and Forest Practices Rules. Trees were left individually and in clumps in order to be conducive to safe operations and allowing distribution of wildlife trees throughout the proposal. Additional reserve trees were selected throughout the stands, with a higher priority given to trees with unique structural characteristics, evidence of bird usage, large diameters, and full crowns. Species preference for reserve trees; ponderosa pine, western larch, western redcedar, Douglas-fir, lodgepole pine, grand fir, and western hemlock. Diameter of reserve trees range from 12 inches in diameter to 36 inches in diameter. Average reserve tree diameter is approximately 18 inches.

The Department of Natural Resources Legacy Tree Procedure (PR14-006-091) and Forest Practice requirements will be met with this proposal.

- 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: To the west is private ownership with 25-year-old mixed conifer and a 113-year-old RMZ on DNR managed lands. To the north is a DNR managed lands consisting of 113-year-old RMZ, and a 35-year-old mixed conifer stand. To the east is private ownership with 25-year-old mixed conifer. To the south is DNR managed lands, with 8-year-old pine and western larch regeneration, as well as 113-year-old mixed conifer.

Unit 2: To the north is private ownership with uneven aged mixed conifer, ranging from 20-75 years old. To the west is private ownership with 120-year-old mixed conifer. To the east is DNR managed lands with 29-year-old mixed conifer. To the south is DNR managed lands with 8-year-old mixed conifer consisting of western larch, ponderosa pine, and lodgepole pine.

Unit 3: To the west is DNR managed lands with uneven aged mixed conifer, ranging from 34 to 110 years old. To the south DNR managed land occupied by 8-year-old mixed conifer, primarily consisting of western larch, Douglas-fir, lodgepole pine, and ponderosa pine. To the east is private ownership consisting of 8-year-old ponderosa pine and lodgepole pine. To the north is DNR managed lands with 120-year-old mixed conifer affected by the Tower Fire, and 8-year-old mixed conifer on private ownership.

Unit 4: To the west is private ownership with 8-year-old mixed conifer. To the south is DNR managed lands with 106-year-old mixed conifer. To the east is DNR managed lands with 26-year-old mixed conifer. To the north is USFS ownership with 125-year-old mixed conifer.

Unit 5: To the north is Kalispel Tribe land, with fields and constructed ponds. To the east is Kalispel Tribe land and private ownership consisting of 25-year-old mixed conifer. To the south is Kalispel Tribe ownership consisting of 25-year-old mixed conifer, recently thinned. To the west of is Kalispel Tribe ownership consisting of 125-year-old mixed conifer.

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

None found in corporate database.

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

Individual leave trees and clumps are identified across the harvest areas. Some clumps were selected for their species diversity, or presence of legacy trees. Reserve trees will contribute to

the site as a natural seed source, which will complement the future plantation. Native tree species will be planted on site after harvest and site preparation activities. Roads associated with this proposal will be seeded with natural grasses and forbs after harvest.

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

Spotted knapweed, common mullein, bull thistle, cow parsnip.

5. Animals

- a. List any birds and other animals *or unique habitats* which have been observed on or near the site or are known to be on or near the site. Examples include:

birds:

eagle hawk heron owls songbirds

other:

mammals:

bear beaver coyote cougar deer elk

other: moose, gray wolf

fish:

bass herring salmon shellfish trout

other:

amphibians/reptiles:

frog lizard salamander snake turtle

other:

unique habitats:

balds caves cliffs mineral springs oak woodlands talus slopes

other:

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

TSU Number	Common Name	Federal Listing Status	State Listing Status
1	Grizzly Bear	Threatened	Endangered
1	Gray Wolf	Delisted 2011	Endangered
1	Bull Trout	Threatened	Candidate
1	Lynx	Threatened	Endangered
2	Grizzly Bear	Threatened	Endangered
2	Gray Wolf	Delisted 2011	Endangered
2	Bull Trout	Threatened	Candidate
2	Lynx	Threatened	Endangered
3	Grizzly Bear	Threatened	Endangered
3	Gray Wolf	Delisted 2011	Endangered
3	Bull Trout	Threatened	Candidate
3	Lynx	Threatened	Endangered
4	Grizzly Bear	Threatened	Endangered
4	Gray Wolf	Delisted 2011	Endangered
4	Bull Trout	Threatened	Candidate
4	Lynx	Threatened	Endangered

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

Pacific flyway Other migration route:

Explain:

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

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

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

Species /Habitat: **Riparian (Bull Trout)**

Protection Measures: No harvest RMZs within the core and inner zone of Type S and F streams and ponds. No harvest RMZs on Type Np streams.

Species /Habitat: **Uplands**

Forage value for ungulate species will increase within the first five years following harvest activities, mimicking natural disturbance on the landscape. Herbicide application should be minimized whenever possible and applied selectively as a method for site preparation prior to planting. The natural flush of primary productivity or first release of forbs, grasses, and other early seral associated plant and shrub species post-harvest will provide optimal foraging and cover opportunities for various ungulate species such as white-tailed deer (*Odocoileus virginianus*), elk (*Cervus elaphus nelsoni*), and moose (*Alces alces*). Additionally, prescribed fire utilized to achieve future silviculture, forest health, fuel reduction, or fire hazard abatement

objectives will also increase wildlife forage values as sites recover post-fire.

Protection Measures: At least six legacy, wildlife reserve, and green recruitment trees per acre will be left clumped and scattered. Retention trees, wildlife reserve trees and snags will be left clumped and scattered throughout the units. These, in addition to down logs and woody debris, will be left to provide habitat for various species. The harvest will increase forage from tops and limbs of harvested trees in the short term. In the long term, forage will increase from additional growth of new grasses, forbs and shrubs. Irregular shaped units and buffers should aid in providing hiding cover. Stream buffers on type Np and type F streams will provide habitat for animals as well as provide shade to streams protecting stream temperature.

Species /Habitat: Gray Wolf

Protection Measures: Gray wolves occur frequently in forested environments, and wolves and tracks have been observed within the area of this proposal. No forest management restrictions are anticipated for wolves as they are generally tolerant of disturbance. One exception is the possible requirement of a timing or distance restriction around an active den or rendezvous site. There are no WDFW confirmed den or rendezvous site within this proposal area, but if one is discovered within a mile of harvest activities, a seasonal operating restriction may be considered from March 15th through July 30th, or until the wolves leave the area. Post-harvest conditions should provide higher quality habitat for ungulates, which in turn would benefit wolves through an increased prey base. (See Forest Practices Critical Habitat Rule WAC 222-16-080.)

Species /Habitat: Canada Lynx

Protection Measures: Units 1,2, 3, and 4 of the Wanless Ck timber sale proposal area are within the Salmo-Priest lynx management zone, Grouse Lynx Analysis Unit #209. The sale will continue to provide lynx with the necessary cover to travel through the area and provide suitable denning habitat. The units are expected to provide forage for hares in 7-10 years. See 4.b.1 for information regarding designated lynx habitat areas within the proposal. As designed, this proposal is in compliance with the requirements of DNR's Lynx Management Plan (2006). The lynx corridor is 330 feet wide and provides travel through the section and is separated from this proposal's activities.

Species /Habitat: Grizzly Bear

Protection Measures: All units are located approximately 2.5 miles from the Selkirk Recovery Zone for grizzly bears. If grizzly bears are found on site, seasonal timing restrictions for harvest and hauling timing may be considered/implemented.

- 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.

Minimal health hazard due to operating heavy equipment and the minor spillage of fuel and lubricating oils that are present with this type of operation. The risk of wildfires is always present and may be increased for approximately two years following harvesting due to logging slash.

- 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. No toxic or hazardous chemicals will be stored on site following active operations.

- 4) Describe special emergency services that might be required.

The Department of Natural Resources, private, and fire protection district suppression crews may be needed in case of wildfire. In the event of personal injuries, emergency medical services may be required. Hazardous material spills may require Department of Ecology and/or county assistance.

- 5) Proposed measures to reduce or control environmental health hazards, if any:

No petroleum-based products will be disposed of on site. If a spill occurs, containment and cleanup will be required. Spill kits are required to be onsite during all heavy equipment operations. To mitigate hazards from petroleum products, all equipment will be inspected for leaks, spill kits are contractually required and will be readily available. A spill response plan will be in place. The cessation of operations may occur during periods of increased fire risk. Fire tools and equipment, including pump trucks and/or pump trailers, will be required on site during fire season.

NOTE: If contamination of the environment is suspected, the proponent must contact the Department of Ecology.

b. Noise

- 1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

None.

- 2) What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

There will be short term, low level and high level noise created by the use of harvesting equipment and hauling operations within the proposal area. This type of noise has been historically present in this geographical area.

- 3) Proposed measures to reduce or control noise impacts, if any:

None.

8. Land and shoreline use

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

Current use of site and adjacent land types: The DNR, Forest Service, private industrial timberland companies, and tribal lands surrounding the units are managed for timber production and for

dispersed recreational activities. Other tribal lands surround the units are used for various purposes that also include private residence.

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?

The proposal lies within the Pend Oreille County Public Lands designation. The use of public lands is subject to the limitations and requirements that may be established by the responsible public agency.

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

The proposal will follow Washington State Forest Practice rules. This proposal lies within the Pend Oreille County Public Lands designation.

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

Not applicable.

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

No.

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

None.

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

None.

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

Does not apply.

- l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

This proposal will maintain or enhance compatibility with existing project land uses such as timber production, recreation, and wildlife use. This project is consistent with current comprehensive plans and zoning classifications.

- m. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any:

None.

9. Housing

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

Does not apply.

- b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.

Does not apply.

- c. Proposed measures to reduce or control housing impacts, if any

None.

10. Aesthetics

- a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

Does not apply.

b. What views in the immediate vicinity would be altered or obstructed?

1) *Is this proposal visible from a residential area, town, city, recreation site, major transportation route or designated scenic corridor (e.g., county road, state or interstate highway, US route, river or Columbia Gorge SMA)?*

No *Yes, name of the location, transportation route or scenic corridor:*

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

The views will reflect common management practices by other large industrial landowners in the area. Views will change from a stand of mature timber to a view of a recent harvest with mature trees remaining around Type S, F, Np streams, and ponds. There will also be clumps and individual trees scattered throughout. This view will change to one of a young plantation after seedlings are planted and the new trees continue to grow.

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

Scattered leave trees and clumps of leave trees are scattered throughout the proposal area. Leave tree design should help minimize any impacts. Regeneration of young trees will occur two years after harvest and once new trees grow visual impacts will be minimized even further.

11. Light and glare

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

There may be glare from logging equipment during daylight hours and vehicle headlights during darkness.

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

No.

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

None.

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

None.

12. Recreation

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

There is no designated recreation within the proposal area. However, hunting, fishing, hiking, and other informal outdoor recreation activities may occur within the proposal area.

- b. Would the proposed project displace any existing recreational uses? If so, describe.

There may be some disruptions to recreational use during periods of harvesting and hauling.

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

Road signs will be utilized to inform the public of log truck 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.

None known.

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

None known.

- 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.

Historical maps, DNR Tract database, and the DAHP database of cultural resource surveys and known archaeological sites were reviewed. A DNR Archeologist performed the remote review of the proposal area and conducted a field review. A Cultural Resource Screening Document was completed and a state DNR archaeologist also reviewed GIS restricted layers. Due to proximity to the Kalispel tribe, the Kalispel tribe archeologist was consulted. She was not aware of any culturally significant resources in the area of the timber sale.

- d. Proposed measures to avoid, minimize, or compensate for loss, changes to, and disturbance to resources. Please include plans for the above and any permits that may be required.

If presently-unknown skeletal remains, cultural resource, or both become known during project operations, DNR will comply with the Discovery of Skeletal Remains or Cultural Resources procedure.

14. Transportation

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

Units 1 through 4: E 5th Street, to LeClerc Road N, to E354433A road.
Unit 5: E 5th Street, to Kings Lake Road, to E334428E 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 15 miles away in Usk, WA.

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

Yes, see A-11-c.

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

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

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

No.

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

Approximately 10 to 15 truck trips per day while the operation is active. Peak volumes would occur during the yarding and loading activities between 4:00 a.m. and 4:00 p.m. of the operating period. The completed project will generate less than one vehicular trip per day. Estimates are based on the observed harvest traffic of past projects.

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

No.

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

None.

15. Public services

a. Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.

No.

b. Proposed measures to reduce or control direct impacts on public services, if any.

None.

16. Utilities

a. Check utilities currently available at the site:

electricity natural gas water refuse service telephone sanitary sewer
 septic system other: Fiber optic

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: Robert Hechinger

Name of signee: Robert Hechinger

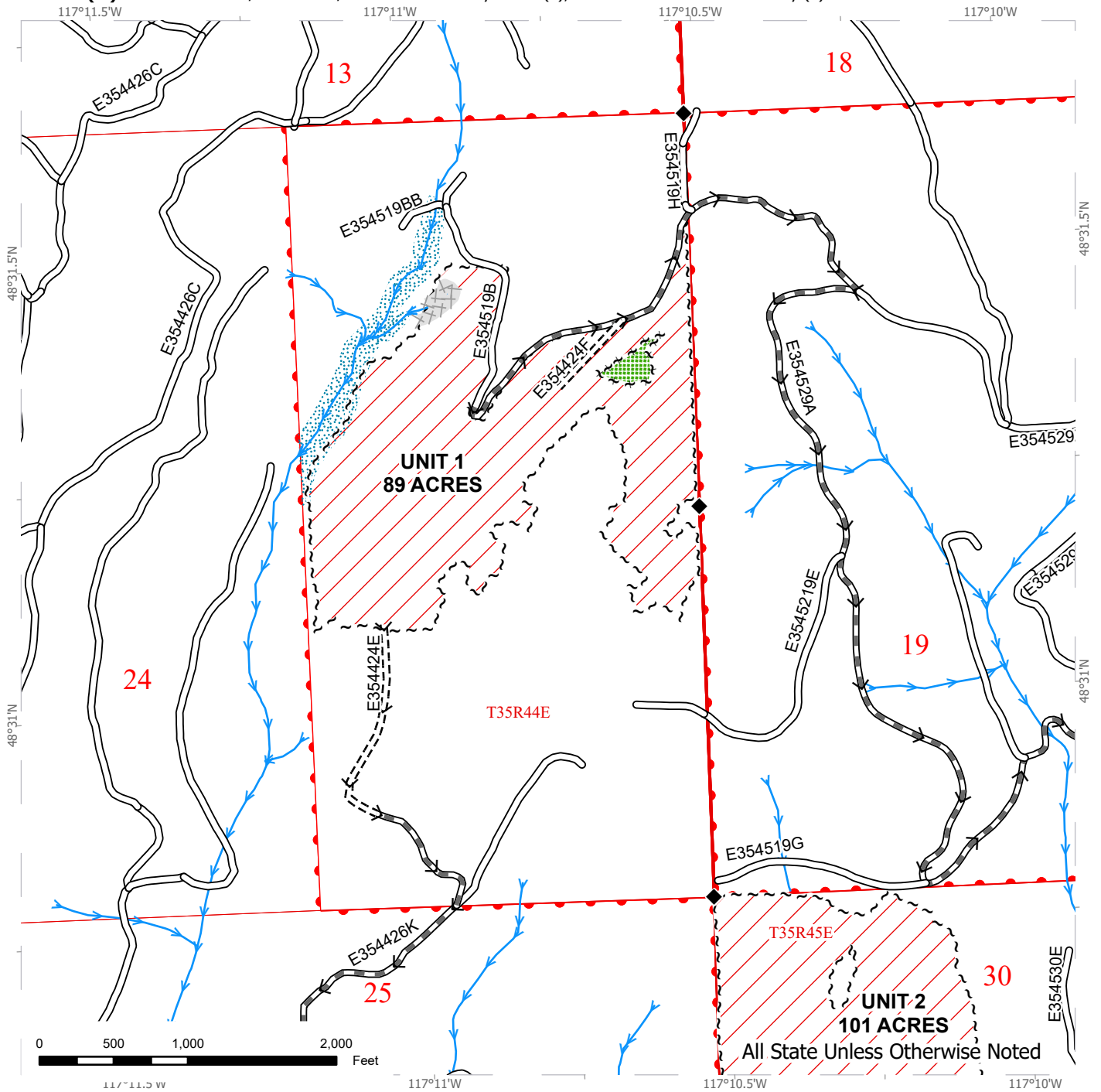
Position and Agency/Organization: Northeast Region Management Forester/ WADNR

Date Submitted: 4/12/24

TIMBER SALE MAP

SALE NAME: Q WANLESS CREEK
AGREEMENT #: 30-106239
TOWNSHIP(S): T33R44E, T35R44E, T35R45E
TRUST(S): Charitable/Educational/Penal & Reformatory Instit. (6), Common School and Indemnity (3)

REGION: Northeast Region
COUNTY(S): Pend Oreille
ELEVATION RGE: 2170-5440

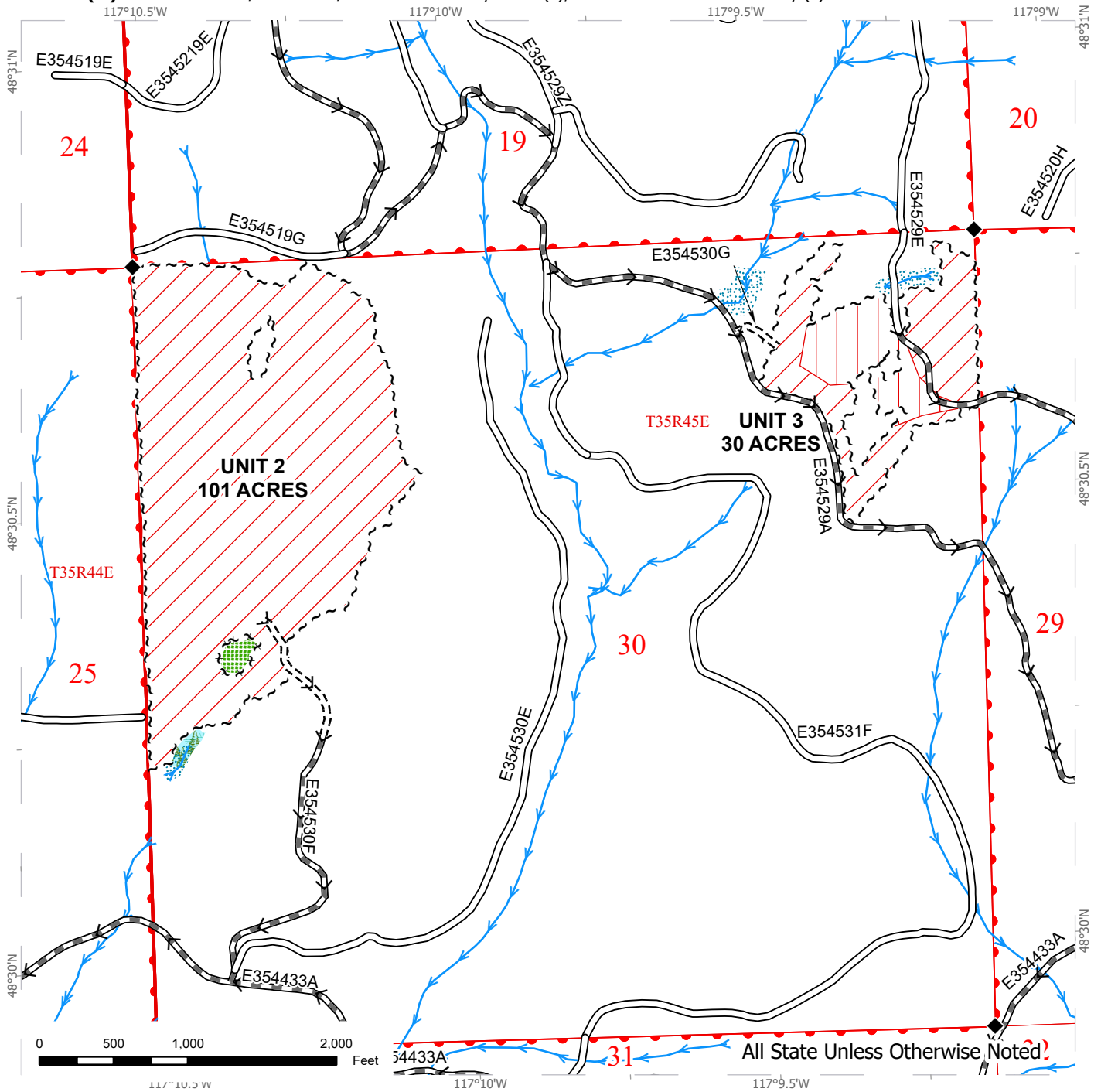


Survey - Section Lines	Leave Tree Tags	Required Pre-Haul Maintenance
DNR Managed Lands	Leave Tree Area	Equipment Limitation Zone
Variable Retention Harvest	Riparian Mgt Zone	streams
Ground	Existing Roads	Survey Monument
Sale Boundary Tags	Required Construction	Haul Route

TIMBER SALE MAP

SALE NAME: Q WANLESS CREEK
AGREEMENT #: 30-106239
TOWNSHIP(S): T33R44E, T35R44E, T35R45E
TRUST(S): Charitable/Educational/Penal & Reformatory Instit. (6), Common School and Indemnity (3)

REGION: Northeast Region
COUNTY(S): Pend Oreille
ELEVATION RGE: 2170-5440



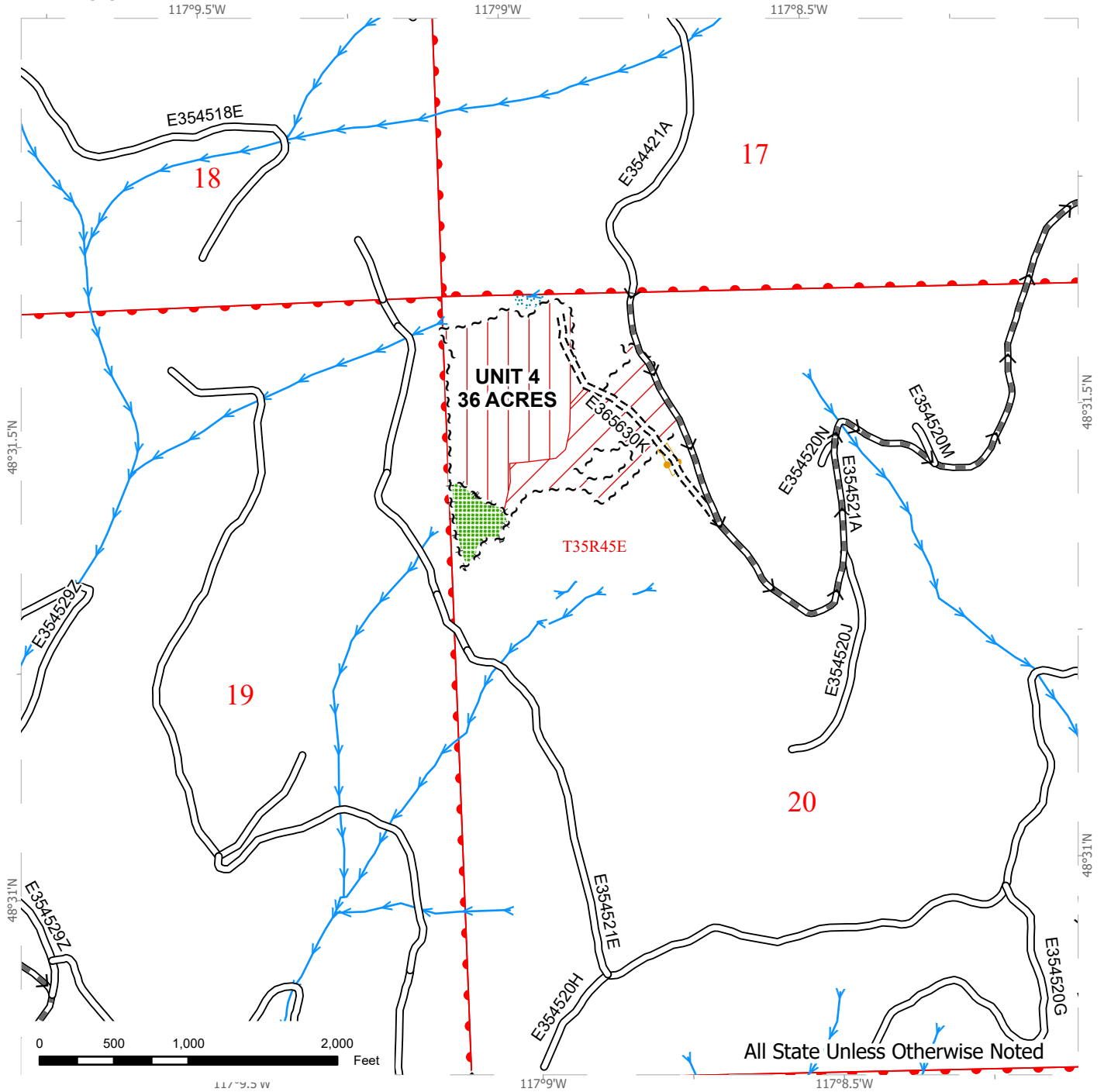
Survey - Section Lines	Leave Tree Tags	Required Pre-Haul Maintenance
DNR Managed Lands	Leave Tree Area	streams
Variable Retention Harvest	Forested Wetland	Survey Monument
Cable	Riparian Mgt Zone	Haul Route
Ground	Existing Roads	
Sale Boundary Tags	Required Construction	



TIMBER SALE MAP

SALE NAME: Q WANLESS CREEK
AGREEMENT #: 30-106239
TOWNSHIP(S): T33R44E, T35R44E, T35R45E
TRUST(S): Charitable/Educational/Penal & Reformatory Instit. (6), Common School and Indemnity (3)

REGION: Northeast Region
COUNTY(S): Pend Oreille
ELEVATION RGE: 2170-5440

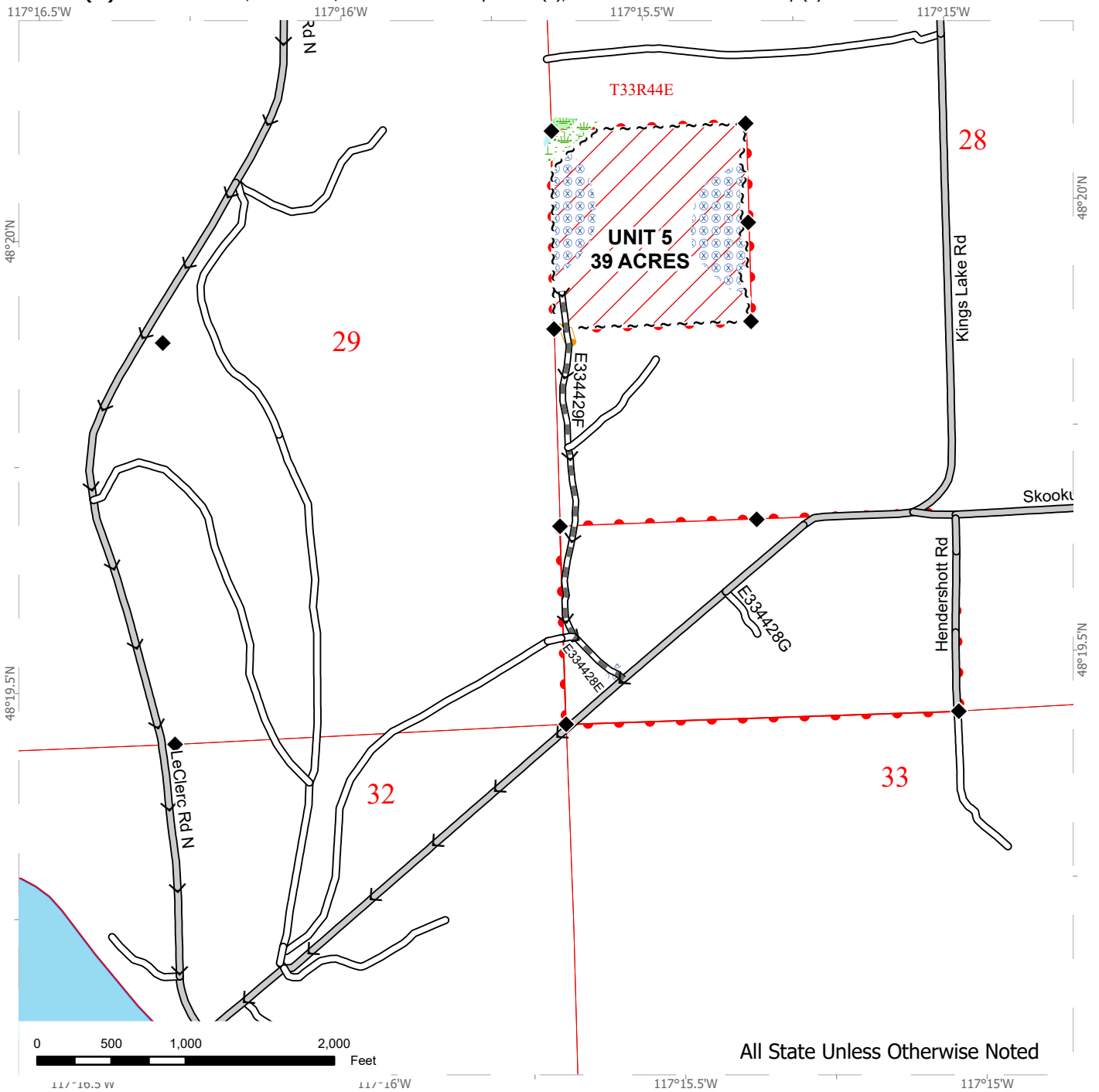


Survey - Section Lines	Leave Tree Tags	Required Pre-Haul Maintenance
DNR Managed Lands	Take / Removal Trees	streams
Variable Retention Harvest	Leave Tree Area	Survey Monument
Cable	Riparian Mgt Zone	Haul Route
Ground	Existing Roads	
Sale Boundary Tags	Required Construction	

TIMBER SALE MAP

SALE NAME: Q WANLESS CREEK
AGREEMENT #: 30-106239
TOWNSHIP(S): T33R44E, T35R44E, T35R45E
TRUST(S): Charitable/Educational/Penal & Reformatory Instit. (6), Common School and Indemnity (3)

REGION: Northeast Region
COUNTY(S): Pend Oreille
ELEVATION RGE: 2170-5440



All State Unless Otherwise Noted

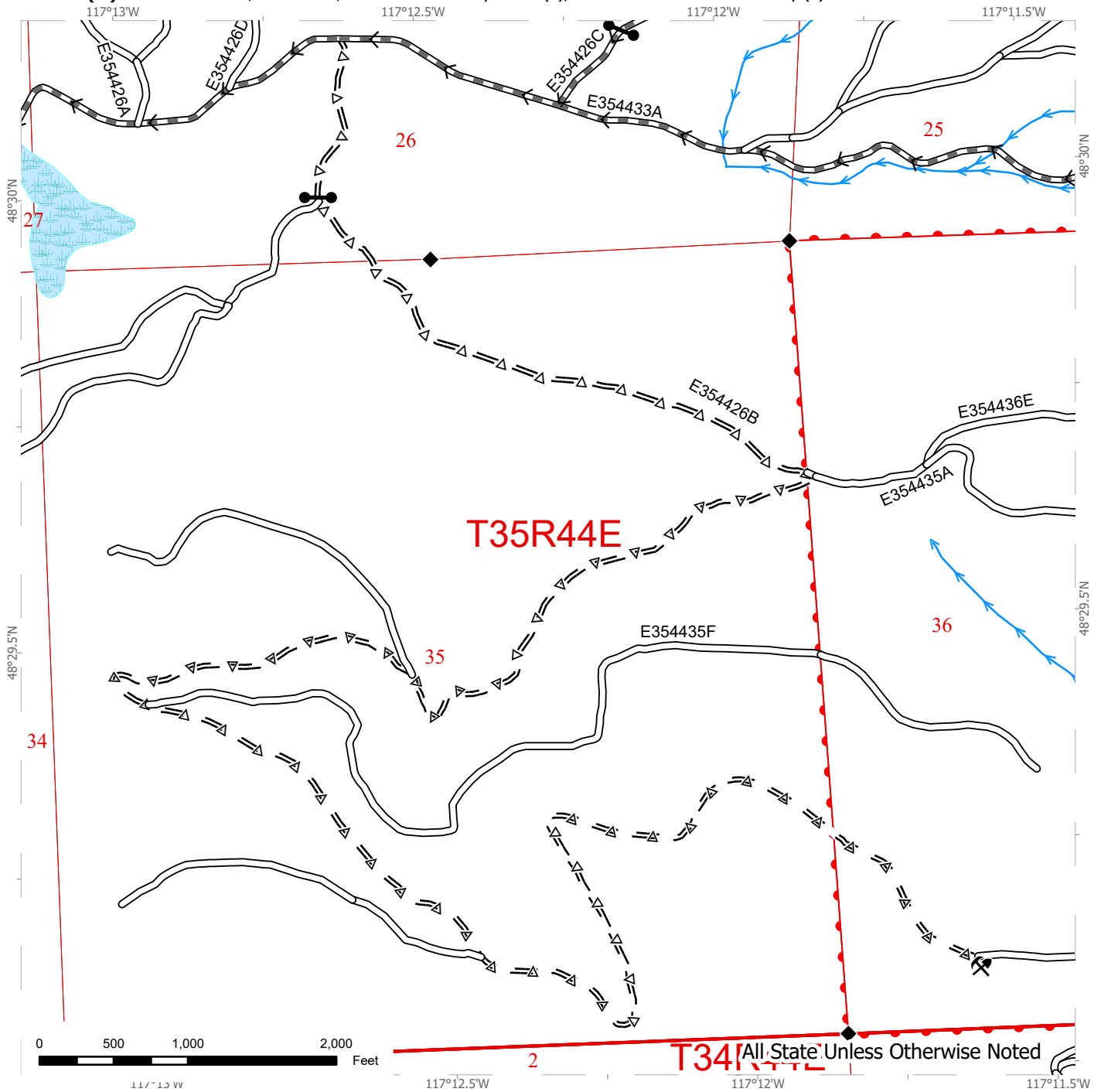
Survey - Section Lines	Take / Removal Trees	Existing Roads
DNR Managed Lands	Forested Wetland	Required Pre-Haul Maintenance
Variable Retention Harvest	Wetlands - Non-forested	County Road
Ground	Wetland Mgt Zone	Survey Monument
Sale Boundary Tags	Hazard Abatement Area	Haul Route



TIMBER SALE MAP

SALE NAME: Q WANLESS CREEK
AGREEMENT #: 30-106239
TOWNSHIP(S): T33R44E, T35R44E, T35R45E
TRUST(S): Charitable/Educational/Penal & Reformatory Inst. (6), Common School and Indemnity (3)

REGION: Northeast Region
COUNTY(S): Pend Oreille
ELEVATION RGE: 2170-5440



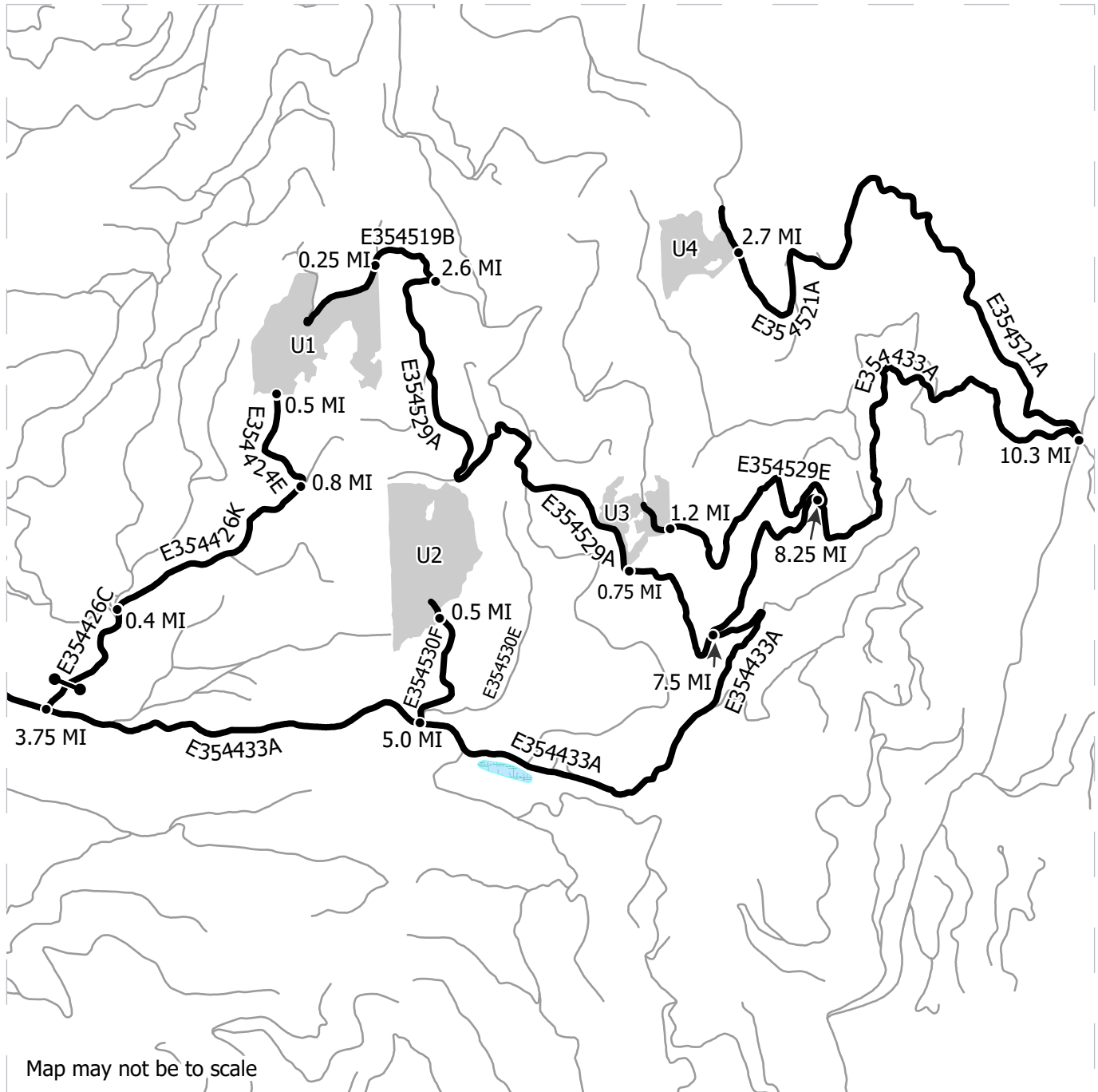
Survey - Section Lines	Existing Roads	streams
DNR Managed Lands	Required Pre-Haul Maintenance	Survey Monument
	Optional Pre-Haul Maintenance	Gate
		Haul Route



DRIVING MAP

SALE NAME: Q WANLESS CREEK
AGREEMENT #: 30-106239
TOWNSHIP(S): T33R44E, T35R44E, T35R45E
TRUST(S): Charitable/Educational/Penal & Reformatory Instit. (6), Common School and Indemnity (3)

REGION: Northeast Region
COUNTY(S): Pend Oreille
ELEVATION RGE: 2170-5440



Harvest Unit
 Haul Route
 Other Route
 Distance Indicator
 Gate

DRIVING DIRECTIONS:

From Usk- Units 1 – 4: From Highway 20, travel northeast on Kings Lake Rd/5th St for 0.9 miles. After the bridge, turn left onto LeClerc Rd N. Stay on LeClerc Rd N for 13.3 miles. Turn right onto Mill Creek/E354433A.

Unit 1: To reach the north part of Unit 1, from LeClerc Rd N, travel on Mill Creek/E354433A for 7.5 miles. Turn left onto the E354529A road. Continue for about 2.6 miles. Take a sharp left onto the E354519B road. The unit will be on your left in a quarter mile.

To reach the south part of Unit 1, from LeClerc Rd N, travel on Mill Creek/E354433A for 3.75 miles. Turn left onto the E354426C road and go through the gate. Travel for about 0.4 miles and turn right onto the E354426K road. Travel for about 0.8 miles and turn left onto the E354424E Rd. Stay on this road for 0.5 miles to reach the unit.

Unit 2: From LeClerc Rd N, travel on Mill Creek/E354433A for about 5 miles. Turn left onto the E354530E road and then immediately stay left at the fork onto the E354530F road. Stay on this road for about 0.5 miles until you reach the lower part of the unit.

Unit 3: From LeClerc Rd N, travel on Mill Creek/E354433A for 7.5 miles. Turn left onto the E354529A road. Continue for about 0.75 miles. The unit is to the right.

To reach the upper part of the unit, travel on Mill Creek/E354433A for 8.25 miles. Turn left onto the E354529E road. Travel for about 1.2 miles. The unit is above and below the road.

Unit 4: From LeClerc Rd N, travel on Mill Creek/E354433A for 10.3 miles. Turn left onto the E354421A. Travel for 2.7 miles. The unit is to your left.

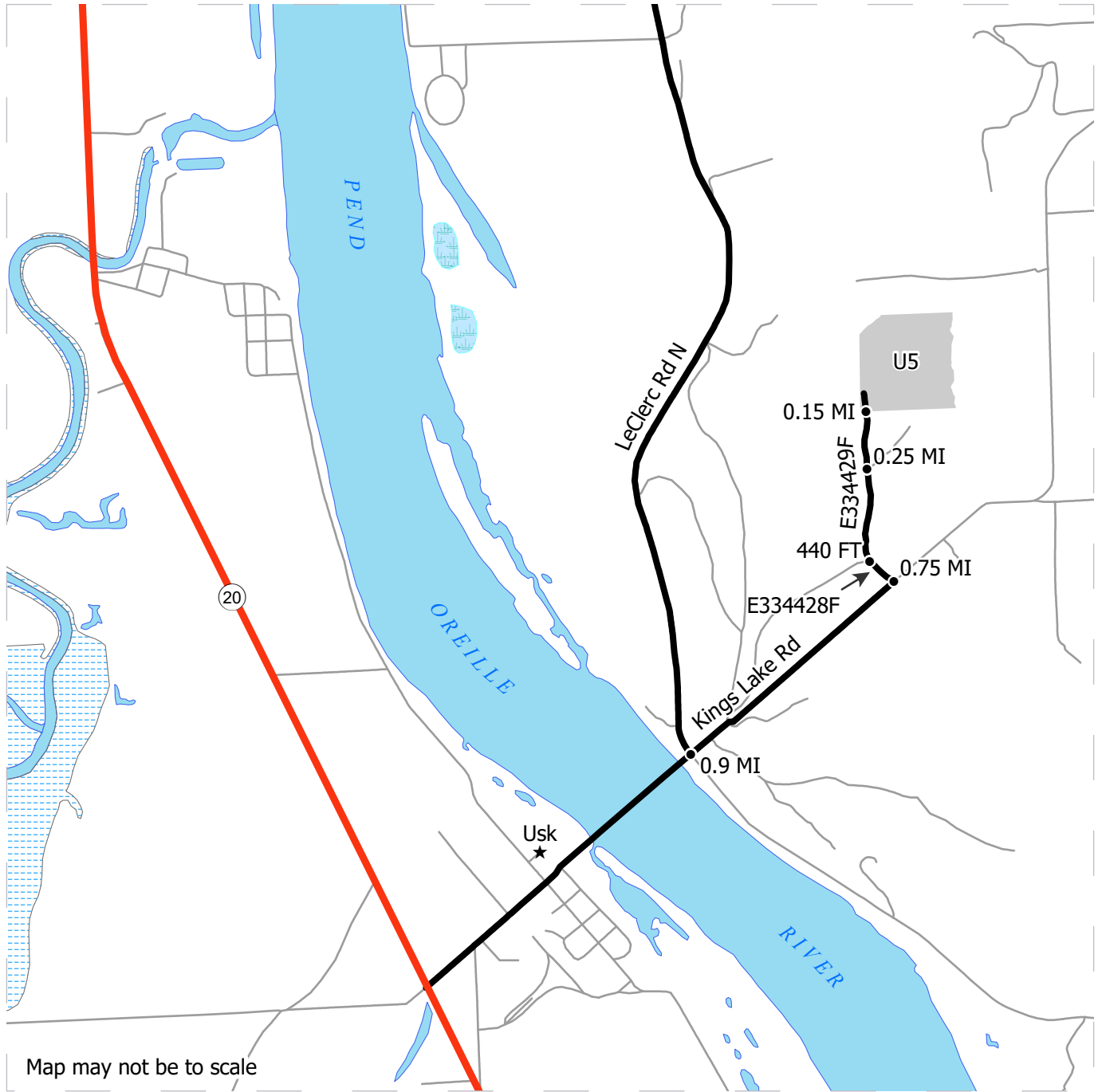
Unit 5: From Usk, cross the bridge going northeast. Continue on Kings Lake Rd for 0.75 miles. There is a left onto E334428F. Follow this road for 440 ft, and stay slightly right at the fork, onto E334429F. Continue for .25 miles and stay left at the fork. Follow this road for another .15 miles to reach the unit.



DRIVING MAP

SALE NAME: Q WANLESS CREEK
AGREEMENT #: 30-106239
TOWNSHIP(S): T33R44E, T35R44E, T35R45E
TRUST(S): Charitable/Educational/Penal & Reformatory Instit. (6), Common School and Indemnity (3)

REGION: Northeast Region
COUNTY(S): Pend Oreille
ELEVATION RGE: 2170-5440



Map may not be to scale

- Harvest Unit
- Highway
- Haul Route
- Other Route
- Distance Indicator
- Town

DRIVING DIRECTIONS:

From Usk- Units 1 – 4: From Highway 20, travel northeast on Kings Lake Rd/5th St for 0.9 miles. After the bridge, turn left onto LeClerc Rd N. Stay on LeClerc Rd N for 13.3 miles. Turn right onto Mill Creek/E354433A.

Unit 1: To reach the north part of Unit 1, from LeClerc Rd N, travel on Mill Creek/E354433A for 7.5 miles. Turn left onto the E354529A road. Continue for about 2.6 miles. Take a sharp left onto the E354519B road. The unit will be on your left in a quarter mile.
 To reach the south part of Unit 1, from LeClerc Rd N, travel on Mill Creek/E354433A for 3.75 miles. Turn left onto the E354426C road and go through the gate. Travel for about 0.4 miles and turn right onto the E354426K road. Travel for about 0.8 miles and turn left onto the E354424E Rd. Stay on this road for 0.5 miles to reach the unit.

Unit 2: From LeClerc Rd N, travel on Mill Creek/E354433A for about 5 miles. Turn left onto the E354530E road and then immediately stay left at the fork onto the E354530F road. Stay on this road for about 0.5 miles until you reach the lower part of the unit.

Unit 3: From LeClerc Rd N, travel on Mill Creek/E354433A for 7.5 miles. Turn left onto the E354529A road. Continue for about 0.75 miles. The unit is to the right.
 To reach the upper part of the unit, travel on Mill Creek/E354433A for 8.25 miles. Turn left onto the E354529E road. Travel for about 1.2 miles. The unit is above and below the road.

Unit 4: From LeClerc Rd N, travel on Mill Creek/E354433A for 10.3 miles. Turn left onto the E354421A. Travel for 2.7 miles. The unit is to your left.

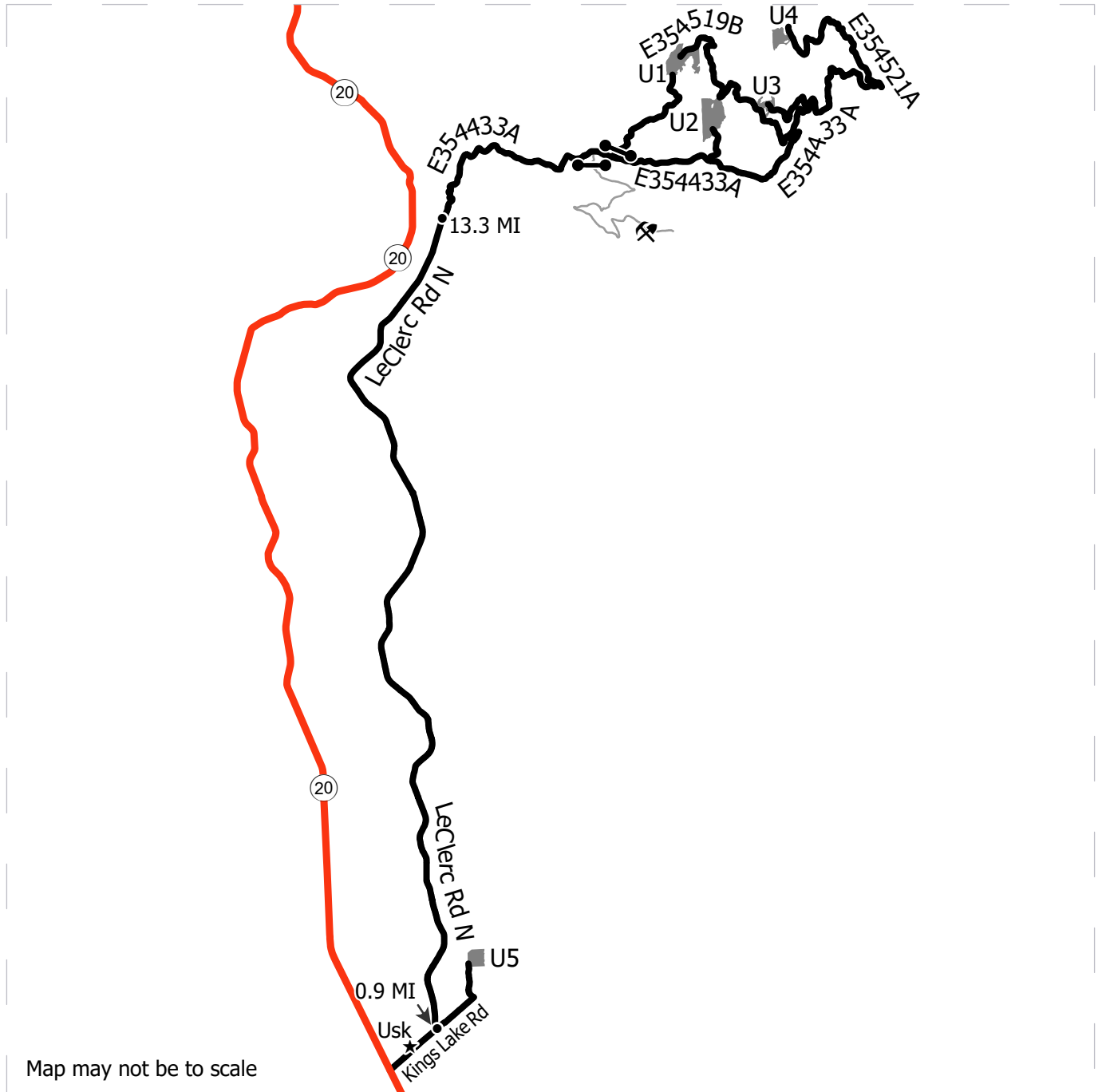
Unit 5: From Usk, cross the bridge going northeast. Continue on Kings Lake Rd for 0.75 miles. There is a left onto E334428F. Follow this road for 440 ft, and stay slightly right at the fork, onto E334429F. Continue for .25 miles and stay left at the fork. Follow this road for another .15 miles to reach the unit.



OVERVIEW MAP

SALE NAME: Q WANLESS CREEK
AGREEMENT #: 30-106239
TOWNSHIP(S): T33R44E, T35R44E, T35R45E
TRUST(S): Charitable/Educational/Penal & Reformatory Instit. (6), Common School and Indemnity (3)

REGION: Northeast Region
COUNTY(S): Pend Oreille
ELEVATION RGE: 2170-5440



- Sale Units
- Haul Route
- Other Route
- Highway
- Distance Indicator
- Gate
- Town
- Rock Pit

DRIVING DIRECTIONS:

From Usk- Units 1 – 4: From Highway 20, travel northeast on Kings Lake Rd/5th St for 0.9 miles. After the bridge, turn left onto LeClerc Rd N. Stay on LeClerc Rd N for 13.3 miles. Turn right onto Mill Creek/E354433A.

Unit 1: To reach the north part of Unit 1, from LeClerc Rd N, travel on Mill Creek/E354433A for 7.5 miles. Turn left onto the E354529A road. Continue for about 2.6 miles. Take a sharp left onto the E354519B road. The unit will be on your left in a quarter mile.

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Unit 2: From LeClerc Rd N, travel on Mill Creek/E354433A for about 5 miles. Turn left onto the E354530E road and then immediately stay left at the fork onto the E354530F road. Stay on this road for about 0.5 miles until you reach the lower part of the unit.

Unit 3: From LeClerc Rd N, travel on Mill Creek/E354433A for 7.5 miles. Turn left onto the E354529A road. Continue for about 0.75 miles. The unit is to the right.

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