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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 COPPER SWAN
Agreement # 30-106142

2. Name of applicant: Washington Department of Natural Resources

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

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

4. Date checklist prepared: 11/16/2023

5. Agency requesting checklist: Washington Department of Natural Resources

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

a. Auction Date: 06/18/2024

b. Planned contract end date (but may be extended): 11/01/2026

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:

Normal ground disturbance will occur during ground-based operations. Landing slash may be piled and burned. Results will be monitored and prescriptions adapted as necessary.

b. Regeneration Method:

Natural regeneration is expected throughout all units. All units may be planted or burned following harvest to support anticipated natural regeneration. The planting may be a mix of western larch and ponderosa pine. The planted units will utilize a microsite strategy to determine what species will be planted. All units will meet reforestation standards in accordance with Forest Practice Rules.

c. Vegetation Management:

Road cut banks, fill slopes, and ditch lines, will be seeded with grass where necessary to minimize surface erosion, promote soil rehabilitation and reduce the spread of noxious weeds. The utilization of road gates and road decommissioning will limit traffic and a roadside noxious weed spraying program will further minimize noxious weed introduction and spread. This is anticipated to allow establishment of the seedlings in conjunction with existing vegetation.

d. Other:

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 objectives, forest health, fuel reduction, or fire hazard abatement objectives. Ongoing road maintenance assessments will be conducted and may include periodic road grading, and ditch and culvert cleanout as necessary. Road maintenance assessments will be conducted and may include periodic ditch and culvert cleanout and grading as necessary.

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

303 (d) – listed water body in WAU:

temp

sediment

completed TMDL (total maximum daily load)

Landscape plan:

Watershed analysis:

Interdisciplinary team (ID Team) report:

Road design plan: DNR draft road plan dated 10/22/2023.

Wildlife report:

Geotechnical report:

Other specialist report(s):

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

Rock pit plan:

Other: GIS generated watershed administrative units (WAU) maps showing soil types, mass wasting, erosion potential, soil stability, and hydrological maturity of the NF Granite Creek WAU, San Poil/ Scatter Creek WAU, Forest Practice Risk Assessment Tool (FPRAT); Washington Department of Fish and Wildlife (WDFW) Heritage database; Identifying Old Trees and Forests in Eastern Washington, by Robert Van Pelt, September 2008; Policy for Sustainable Forests, December 2006, Environmental Impact Statement, June 2006; DNR Smoke Management Plan, issued April 1993 (revised 1998); State Soil Survey; DNR 20-Year Forest Health Strategic Plan Approved WTM# NE-52-02-0002, NE-52-YY-0003, NE-52-02-0191, NE-52-02-194, NE-52-09-0192, NE-16-0115, NE-52-08-0407, NE-52-09-0190, and NE-52-23-0088.

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 # 3026861
 FPHP
 Board of Natural Resources Approval
 Burning permit
 Shoreline permit
 Existing HPA
 Other:

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

a. Complete proposal description:

The 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	22	0	0	0	22	0	22
2	7	0	0	.3	6	0	6
3	10	0	0	0	10	0	10
4	79	0	0	1.2	78	0	78
5	41	0	0	.8	40	0	40
6	28	0	0	.4	28	0	28
7	11	0	0	0	11	0	11
8	26	0	0	.3	26	0	26
9	48	0	0	0	48	0	48
ROW	1	0	0	0	1	0	1
Totals	273	0	0	3	270	0	270

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	1902	Douglas-fir	VRH Even-age
2	1943	Douglas-fir	VRH Even-age
3	1902	Douglas-fir	VRH Even-age
4	1905	Douglas-fir	VRH Even-age
5	1912	Douglas-fir	Intermediate Shelterwood
6	1912	Douglas-fir	VRH Even-age
7	1951	Douglas-fir	VRH Even-age
8	1921	Douglas-fir	VRH Even-age
9	1921	Douglas-fir	VRH Even-age
	ROW		ROW

Overall Unit Objectives:

Overall objectives for this proposal have been prescribed to achieve and maintain an improved forest health condition by mimicking the natural disturbance regime of the ecosystems. This will be implemented by reducing stocking levels and removing infection vectors for current and potential pathogens. Even-aged variable retention harvest prescriptions have been chosen for units 1,2,3,4,6,7,8 and 9 to best meet these objectives. An uneven-aged shelterwood removal prescription has been chosen for Unit 5 to remove diseased trees while retaining healthy understory and advanced regeneration. All even-age units will have at least 6 mature trees per acre on average remaining after harvest while the uneven-aged unit will retain 21 mature trees per acre on average after harvest. By reducing current stocking levels this harvest is anticipated to decrease the risk of Douglas-fir beetle, mountain pine beetle, spruce budworm, and other detrimental insect outbreaks. The proposed treatments are planned to help limit the spread of root disease and mistletoe within the Douglas-fir and western larch. The proposed treatment is also planned to reduce the risk of a catastrophic wildfire.

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		2,131	1	
Reconstruction				
Maintenance		44,758		
Abandonment				
Bridge Install/Replace	0			
Stream Culvert Install/Replace (fish)	0			
Stream Culvert Install/Replace (no fish)	0			
Cross-Drain Install/Replace	0			

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, 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: T36-0N R32-0E S04,05,16,20,27,33

b. Distance and direction from nearest town:

Approximately five miles west and southwest of Republic, WA.

To access Units 3 through 9

From Republic, WA travel west 2.2 miles on State Highway 20 until turning onto Swan Lake Road. To access Unit 6 travel south on Swan Lake Road for approximately 2.1 miles to the E363209G road, from there travel south 0.8 miles. To access Units 3 through 5 travel 0.5 miles south from the intersection of Swan Lake Road and E363209E until reaching Unit 4. To access Unit 3, continue on the E363209E road for approximately 0.27 miles more. To access Unit 5, continue on the E363209E road for approximately 1.3 miles more.

To access Unit 7 travel south from the Swan Lake Road and E363209E intersection for approximately 3.0 miles until reaching E363220G.

To access Unit 8 travel beyond Unit 7 access for 2.9 miles on the Swan Lake Road until reaching the E363234M road. Continue traveling for approximately 1.1 miles.

To access Unit 9 travel north from the intersection of the Swan Lake and E263234M road for approximately 0.4 miles until reaching the E362228E road. Travel on the E363228E road for approximately 0.9 miles.

The access to Units 1 and 2

From Republic, WA travel west approximately 4.1 on State Highway 20 until turning onto Sage Road. To access Unit 1 travel for approximately 0.5 miles before reaching the “Y” intersection. To access Unit 1, stay to the right and travel approximately 0.9 miles on the E373231E-1 road. To access Unit 2, stay to the left at the “Y” and travel for approximately 0.1 miles.

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).*

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."

This proposal will expand the existing road network within the WAU's which may cause minor soil erosion. The risk of minor soil erosion will be mitigated by installing proper drainage features and grass seeding all the roads and cut banks. A wildlife review has been completed, and there are no concerns in this proposal. A State lands geologist has conducted a remote review and field survey of the proposal area and all rule identified potentially unstable landforms have been bound out of the proposal area to ensure no harvest activities will occur on or within the area of influence of these landforms.

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 regulate any activity related to growing, harvesting and processing timber. The Rules also regulate road construction and hydraulic projects in typed water.
- Forest Practice Rules established Riparian Management Zone (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 Forest (2006) guided the development and layout of the proposal.
- 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 20-Year Forest Health Strategic 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 Type Np riparian management zones except to the extent necessary for road construction and pre-haul maintenance.
- Retaining at least 6 trees per acre (TPA) in units 1,2,3,4,6,7,8, and 9. The 6 leave trees will be the largest available and all legacy trees will be left. Retaining at least 21 trees per acre (TPA) in unit 5. The 21 leave trees the largest available and all legacy trees will be left.
- Planting of tree seedlings in all even-aged units to supplement natural regeneration and ensure adequate reforestation occurs.
- Coordinated skidding patterns and landing locations, effective contract administration, and normal road maintenance will 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.
- Major 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 road engineer.
- Proposal has been reviewed 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. The geologist then conducted a field survey to verify potentially unstable landforms identified during the remote review. Rule identified landforms were verified near Unit 2 and 4. These landforms were bound out of the sale area (see A-13-b).

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
SANPOIL/SCATTER CREEK	41,153	2,944	186	76	264
NF GRANITE CREEK	45,306	3,779	96	0	1,463

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:	<u>SANPOIL/SCATTER CREEK</u>
WAU Acres:	<u>41,153</u>
Elevation Range:	<u>2,145 – 5,126 ft.</u>
Mean Elevation:	<u>3,383 ft.</u>
Average Precipitation:	<u>15 in./year</u>
Primary Forest Vegetation Zone:	<u>Douglas Fir</u>

WAU:	<u>NF GRANITE CREEK</u>
WAU Acres:	<u>45,306</u>
Elevation Range:	<u>2,240 – 5,684 ft.</u>
Mean Elevation:	<u>3,843 ft.</u>
Average Precipitation:	<u>18 in./year</u>
Primary Forest Vegetation Zone:	<u>Douglas Fir</u>

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

The majority of the management units are in the mid elevation range of these WAU's. The majority of the units fall within the primary forest vegetation zone.

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

The steepest slopes in the proposed management units are 60%. However, majority of harvest (approximately 95%) will occur on slopes under 55%. Harvest equipment is not expected to work on sloped over 55%.

- 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
8227	F.SANDY.LOAM
9417	STONY LOAM
4291	GRAVELLY SANDY LOAM
8225	F.SANDY.LOAM
9411	GRAVELLY 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.

A State Lands Geologist identified an inner gorge adjacent to Unit 2. The Rule Identified Landform (RIL) was bound out of the sale.

- 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.

The RIL was bound out of the proposed units to ensure no harvest activity would take place in or immediately adjacent to the RIL. No trees will be removed within at least one crown width from the RIL.

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

Approx. acreage new roads: 1

Approx. acreage new landings: 5

Fill Source: native

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 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):*

No impervious surfacing is proposed with this project. Approximately less than 1% of the sale area will be covered by native bed road surface for the purpose of this proposal.

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

- Road construction will adhere to departmental policies and procedures to minimize and control erosion.
- Appropriate road maintenance, harvest systems, skid patterns, and landing locations will be utilized.
- Active contract administration will also minimize erosion potential by ensuring that operations cease if resource damage becomes a concern.
- Use of water bars, rolling dips, ditching, out-sloping, monitoring, and grass seeding will be utilized as necessary.
- Rolling dips will be installed to direct water out onto the natural vegetated forest floor.
- Cut and fill slopes and ditch lines will be seeded with weed-free grass seed.
- Natural drainage slope will be restored.
- On slopes greater than 25% skid trails will be water barred and/or have slash placed on them as required by the CA.
- Hauling on any roads will not occur from March 15th to June 1st or during extreme wet weather conditions when excess rutting may occur, unless authorized by the CA.
- Tree felling and skidding will not be permitted from March 15th to June 1st unless authorized by the CA.
- Road Plan has been designed by a forest road 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 may occur to minimize dust on selected roads as needed between June 1st and November 1st or as directed by the CA, to maintain the road prism. Pile burning and prescribed fire will adhere to the requirements of the Smoke Management Plan (SMP) if they occur. 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:

The downstream water bodies in the area of this proposal are Granite Creek, Scatter Creek and Golden Harvest Creek, which flow into the San Poil River.

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)
Granite Creek	F	1	110
Golden Harvest Creek	F	1	110
un-named	Np	1	50
un-named	Ns	1	30
wetland	A	3	100
wetland	B	3	50

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

Stream type modifications were conducted within the proposal area and approved by Forest Practices. Landings will be minimized to reduce disturbance and erosion potential. Any slash or debris which enters any stream as a result of operations shall be removed and deposited in a stable position. Removal of slash debris shall be accomplished in a manner that avoids damage to the natural stream bed and bank vegetation. On slopes greater than 25%, skid trails will be water barred and/or have slash scattered on them as required per the CA.

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):

There will be harvest within 200 feet of some of the described streams above. Forest Practices Rules have been met or exceeded in all cases.

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.

No.

- 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)?*

SANPOIL/SCATTER CREEK = 2.8 (mi./sq. mi.), NF GRANITE CREEK = 3.0 (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(s) 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.

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):

Granite creek, Scatter Creek and Golden Harvest Creek are ^{all} both downslope of the proposal. The San Poil River is used for agricultural irrigation and recreation and is downstream of the proposal.

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 the HCP and programs (i.e. the HCP, DNR landscape plans) and current measures included in this proposal that mitigate potential negative effects of peak flow impacts.

Road construction will follow departmental policies and procedures to reduce and control erosion. Water bars, rolling dips, ditching, out-sloping, monitoring, and grass seeding will be utilized. On slopes greater than 25%, skid trails will be water barred and/or have slash placed on them as required by the CA. Hauling on any roads will not occur from March 15th to June 1st or during extreme wet weather conditions when excess rutting may occur, unless authorized by the CA.

are "all" not "both"

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 San Poil River, Granite Creek, Scatter Creek, and Golden Harvest Creek.

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:

Water bars, rolling dips, ditching, and out-sloping will be utilized on forest roads to disperse and direct water out onto natural vegetation on the forest floor rather than accumulating on road surfaces. On slopes greater than 25% skid trails will be water barred and/or have slash strategically placed on them as required by the CA to disperse water and allow it to percolate into the ground. Grass seeding of roads and landings will also slow the movement of surface water and allow it to percolate into the ground.

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. 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:

Due to mitigation measures listed throughout this document it is very unlikely that any waste materials will enter ground or surface waters.

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.

This proposal will not significantly alter or otherwise affect drainage patterns in the vicinity of the proposal. Adequate drainage features have been incorporated into the design of all roads involved with this proposal to ensure minimal impact to natural drainage patterns. Harvest boundary locations and harvest systems have been selected to minimize impacts to natural 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.

4. Plants

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

Deciduous tree:

Alder Aspen Birch Cottonwood Maple Western Larch

Other:

Evergreen tree:

Douglas-Fir Engelmann Spruce Grand Fir Lodgepole Pine
 Mountain Hemlock Noble Fir Pacific Silver Fir Ponderosa Pine
 Sitka Spruce Western Hemlock Western Redcedar Yellow Cedar

- Other:
- Shrubs:
 - Huckleberry* *Rhododendron* *Salmonberry* *Salal*
 - Other*: serviceberry, ninebark, oceanspray
- 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*).

This proposal will remove approximately 2,500 thousand board feet (MBF) of mature conifer timber. The proposal was marked to leave at least six trees per acres in units 1,2,3,4,6,7,8, and 9. Unit 5 will leave 21 trees per acre. In Units 1 through 3, approximate leave tree diameters range from 10 to 24 inches, and the approximate average leave tree diameter is 16 inches. In Units 4, 5, 6,7, 8 and 9, approximate leave tree diameters range from 14 to 32 inches, and the approximate average leave tree diameter is 20 inches. Species preference for leave trees will be given to healthy ponderosa pine, western larch, Douglas-fir and Engelmann spruce. Some understory vegetation will be disturbed and/or altered within the proposed harvest units and ROW as a result of timber harvest, road construction, and site preparation activities. Vegetation within newly constructed road prisms will be removed and the road will be grass seeded post-haul. Where vegetation has been removed for major skid trails grass seed may also be applied. The vegetation that will be disturbed and/or reduced includes; grass, snowberry, alder, ninebark, and service berry. It is expected that vegetation will re-establish within two to three years after harvest activities have completed.

- 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 north is a dense stand of approximately 120-year-old Douglas-fir and western larch stand on private land. East is private land comprised of approximately 120-year-old Douglas-fir and western larch with some having been removed after windstorm damage. South is a recent even-aged harvest unit comprised of Douglas-fir on private. To the west is private with approximately 120-year-old Douglas-fir and western larch that hasn't had any silvicultural treatment. Dwarf mistletoe in western larch and root rot in Douglas-fir exists in pockets throughout the site.

Unit 2

To the north is a 60% slope down to Granite Creek. The slope has approximately 100-year-old Douglas-fir and western larch scattered amongst small, rocky draws. To the east is a mix of Douglas-fir and ponderosa pine following a recent DNR timber harvest. To the south is private land with a dense stand of 80 to 100-year-old Douglas-fir with some Engelmann spruce and western larch. To the west is a recent even-aged harvest on private land leaving Douglas-fir as the dominant tree species.

Unit 3

To the north and to the west is a dense stand of approximately 100-year-old Douglas-fir on private with the western portion scheduled to be harvested in the near future. To the east is 20-year-old regen beneath an overstory comprised of ponderosa pine and Douglas-fir from a previous DNR timber harvest. To the south is a small pond surrounded by hardwoods that transition to dense regen with a ponderosa pine and Douglas-fir overstory.

Unit 4

To the north is private comprised of approximately 100-year-old Douglas-fir, portions of this parcel have been harvested in the past. To the east is 20-year-old Douglas-fir regen from a DNR timber harvest. These previous harvest units are surrounded by grasslands with larger, scattered ponderosa pine. To the south is Unit 5 of this proposal, which will be an un-even age harvest in a mixed stand of mature Douglas-fir and ponderosa pine. To the west is a 20 year-old mixed stand of western larch regen, ponderosa pine, and Douglas-fir from a previous DNR timber harvest. Mortality due to root diseases has created medium sized pockets of snags throughout the unit.

Unit 5

To the north and west is Unit 4 of this timber harvest. The stand consists mainly of 100-year-old Douglas-fir, followed by ponderosa pine. To the east is a private inholding with approximately 100-year-old Douglas fir and ponderosa pine with dense, low vigor pine regen to the south is a 20-year-old DNR timber even-aged

harvest with ponderosa pine left as the dominant species. Dense shrubs such as ninebark and snowberry can be continuous in and outside of this unit.

Unit 6

North of the proposal is a 20-year-old timber harvest with a regen mix of Douglas-fir, Engelmann spruce, and lodgepole pine. Also to the north is a large meadow on private. To the east is private with approximately 80-year-old lodgepole pine and Engelmann spruce with a closed canopy and very little natural regeneration. To the south is a 20-year-old DNR timber harvest with Douglas-fir and lodgepole pine. To the west is a private inholding that has 100-year-old Douglas-fir and ponderosa pine with some dense shrub groundcover.

Unit 7

To the north is a stream and private beyond that. The site is a mix of approximately 100-year-old Douglas-fir, Engelmann spruce, and western larch. To the east gradually slopes down to a wetland that's surrounded by mature Engelmann spruce, Douglas-fir, and lodgepole pine. To the south is an older DNR harvest unit leaving a mix of mature ponderosa pine, Douglas-fir, and western larch.

Unit 8

To the north and east is private with approximately 100 year-old Douglas-fir and dense lodgepole pine. To the south is a large meadow with large, scattered western larch on private. To the west is private land with approximately 100+ year old Douglas-fir and western larch overstory and dense lodgepole pine understory.

Unit 9

To the north and east are large ponderosa pine leave trees from an even-aged DNR harvest. Also, to the east is private with a recent even-aged harvest. To the south is DNR and U.S. Forest Service with approximately 100-year-old Douglas-fir and western larch growing amongst areas of exposed rock. To the west is US Forest Service ownership with untreated approximately 100-year-old Douglas-fir and western larch on moderate slopes.

- 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:
Reforestation with native tree species.

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

Knapweed, common mullein, hounds tongue, and musk thistle.

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: 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
COPPER SWAN U 3- 9	Gray wolf	None	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:

The regeneration of grasses, forbs, low shrubs, bushes, etc. are expected to create more habitat opportunities for deer and other herbivores.

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

Species /Habitat: **Gray Wolf**

Protection Measures:

The proposal area is within the territory of the Strawberry wolf pack. Wolves have been known to use the general project area, but no known den or rendezvous sites have been documented

within critical distance to any of the proposed units. No specific measures for gray wolves are recommended at this time.

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

None are 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. Operators will have spill kits on hand and will report any spills to the CA immediately and the Department of Ecology (DOE) will be notified.

- 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:

Petroleum-based fuel and lubricants may be used and stored on site during the operating life of this project. Operators will have spill kits on hand and will report any spills to the CA immediately and the Department of Ecology (DOE) will be notified.

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-managed lands surrounding the units are managed for timber production and cattle grazing. Dispersed recreational activities such as camping and hunting also take place on DNR lands. 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 current zoning classification of this site would be rural.

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

There is no comprehensive plan designation for this site.

- 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 adhere to the Policy for Sustainable Forests. All even-aged harvest units will be reforested with commercial species and retained as forestland. This project is consistent with zoning classifications.

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

This proposal will maintain and enhance compatibility with nearby agricultural and forest lands of long-term commercial significance. All hydrologic features will be protected to ensure clean water continues to flow from tributaries. Additionally, through the prescribed harvest and planned reforestation efforts, the threat of forest health issues existing on state trusts lands will be reduced to nearby forest lands. This will enhance the productivity of long-term commercial forests lands, wildlife habitat across the landscape, and reduce the chance of high intensity wildfire.

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:

Some of the proposed units and portions of the new road construction will be visible from the Swan Lake road.

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

This proposal will not affect any views from the areas described above. The views will reflect common management practices by other large industrial landowners in the area.

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

Road and unit locations have been designed to minimize the visual impacts. In accordance with the Department policy a minimum of 6 of the largest available trees per acre, on average, will remain after harvest in even-aged harvest units and at least 21 trees per acre will remain after harvest in the uneven-aged harvest units. Additionally, deferred areas between units will help to reduce the magnitude of visual impacts. Replanting units, where necessary, and grass seeding landings and roadways will help mitigate aesthetic impacts.

11. Light and glare

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

Windshield glare during daylight hours; light from equipment 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 are no designated recreational opportunities in the immediate vicinity of this proposal. Informal activities include hiking, fishing, hunting, horseback riding, camping, and other forms of dispersed recreation take place near 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:

There may be temporary restrictions during logging operations in the timber harvest area to ensure public safety and to comply with Labor & Industries laws. Active logging signs will be posted at road intersections along with a posted CB channel to inform the public of harvest activities.

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.

Yes, site 45FE01192 is within the proposed project area. Protection measures have been established to prevent impacts to these resources.

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

Yes, the DNR archaeologist conducted a field visit to the proposal area on July, 27, 2023. Sensitive areas such as ridgelines, rock outcrops, and other sensitive areas were inspected resulting in one newly recorded cultural site: 45FE01192.

- 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 and the DAHP database of known archaeological sites were reviewed prior to conducting the field review. A DNR archaeologist was consulted.

- 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.

The project has been designed to avoid all known cultural resources through avoidance. Any cultural resource identified during operations will be protected. 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.

State Highway 20, Sage Road, Swan Lake Road. See area vicinity map.

- 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 2 miles away.

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

Yes, there will be a new road construction required for this proposal. See A-11-c and attached sale area map and road plan for details.

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

The impacts of this proposal are expected to improve the overall transportation system in the area for its current use and will result in a more efficient road system in the future. Access to existing roads within the proposal area may be restricted or limited during operations for safety. Public use may be restricted on existing haul roads during the sale activity.

- 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 log 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.

Log hauling will not be permitted from March 15th to June 1st during spring break-up in all units, unless authorized by the CA. Dust abatement may occur on selected haul roads to mitigate dust created as a result of hauling activities. "Caution Log Trucks" and "Logging use only" signs along with CB radios will be used during log hauling to warn other users and residence of log truck traffic. The CA will monitor speeds of truck traffic to assure safe haul operations. See B.14.d.1.

16. Utilities

- a. Check utilities currently available at the site:

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

- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity which might be needed.

None.

C. SIGNATURE

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: 

Name of signee: Robert Hechinger

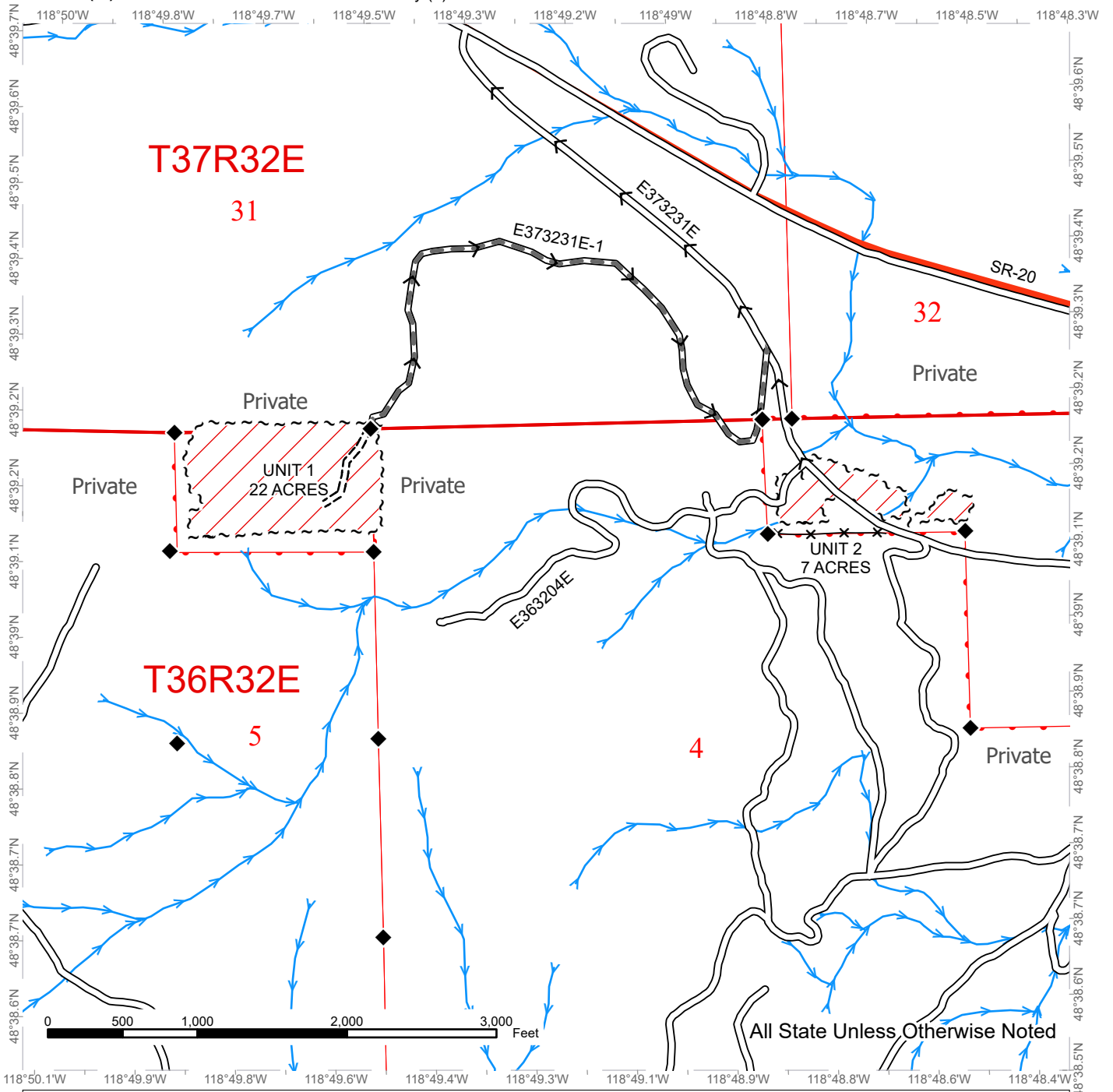
Position and Agency/Organization: Northeast Region Management Forester/ WADNR

Date Submitted: 1/29/24

TIMBER SALE MAP

SALE NAME: Q COPPER SWAN
AGREEMENT #: 30-106142
TOWNSHIP(S): T36R32E
TRUST(S): Common School and Indemnity (3)

REGION: Northeast Region
COUNTY(S): Ferry
ELEVATION RGE: 3000-3840



All State Unless Otherwise Noted

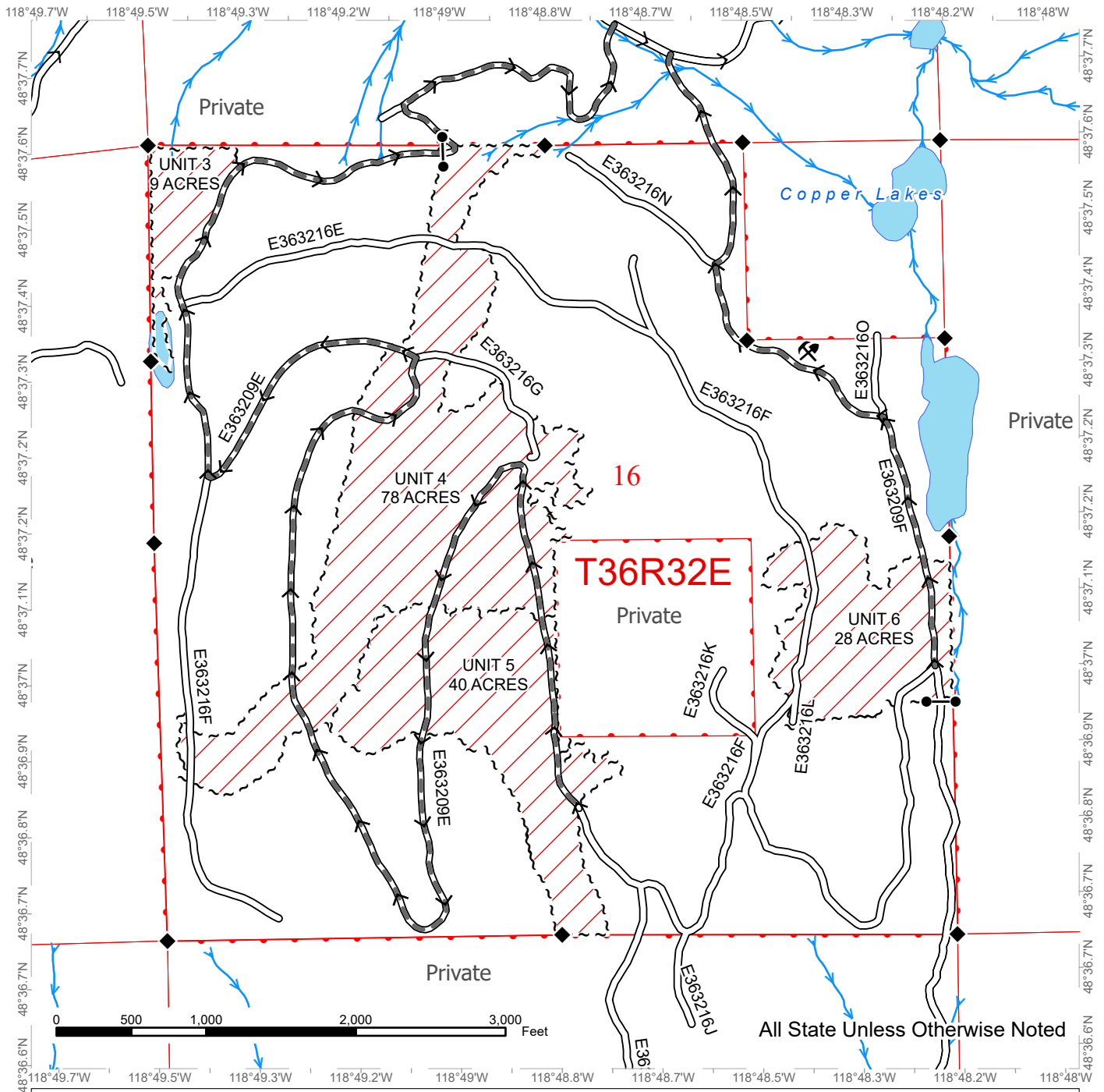
Public Land Survey Sections	Existing Roads	Streams
DNR Managed Lands	Required Pre-Haul Maintenance	Fence
Variable Retention Harvest	Required Construction	Survey Monument
Sale Boundary Tags	Highway	Haul Route



TIMBER SALE MAP

SALE NAME: Q COPPER SWAN
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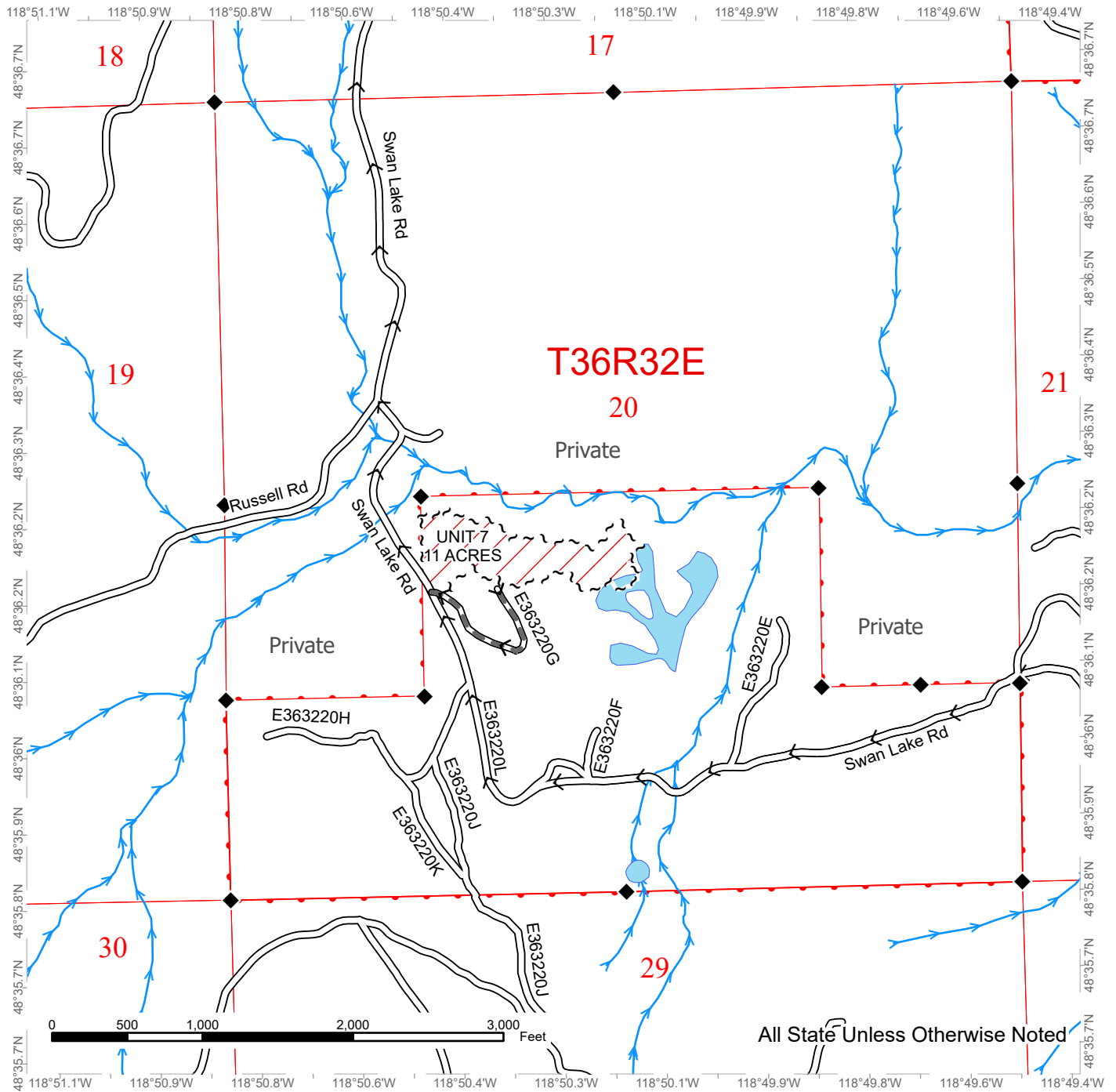
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|-----------------------------|-------------------------------|-----------------|
| Public Land Survey Sections | Existing Roads | Rock Pit |
| DNR Managed Lands | Required Pre-Haul Maintenance | Survey Monument |
| Variable Retention Harvest | Streams | Haul Route |
| Sale Boundary Tags | Gates | |



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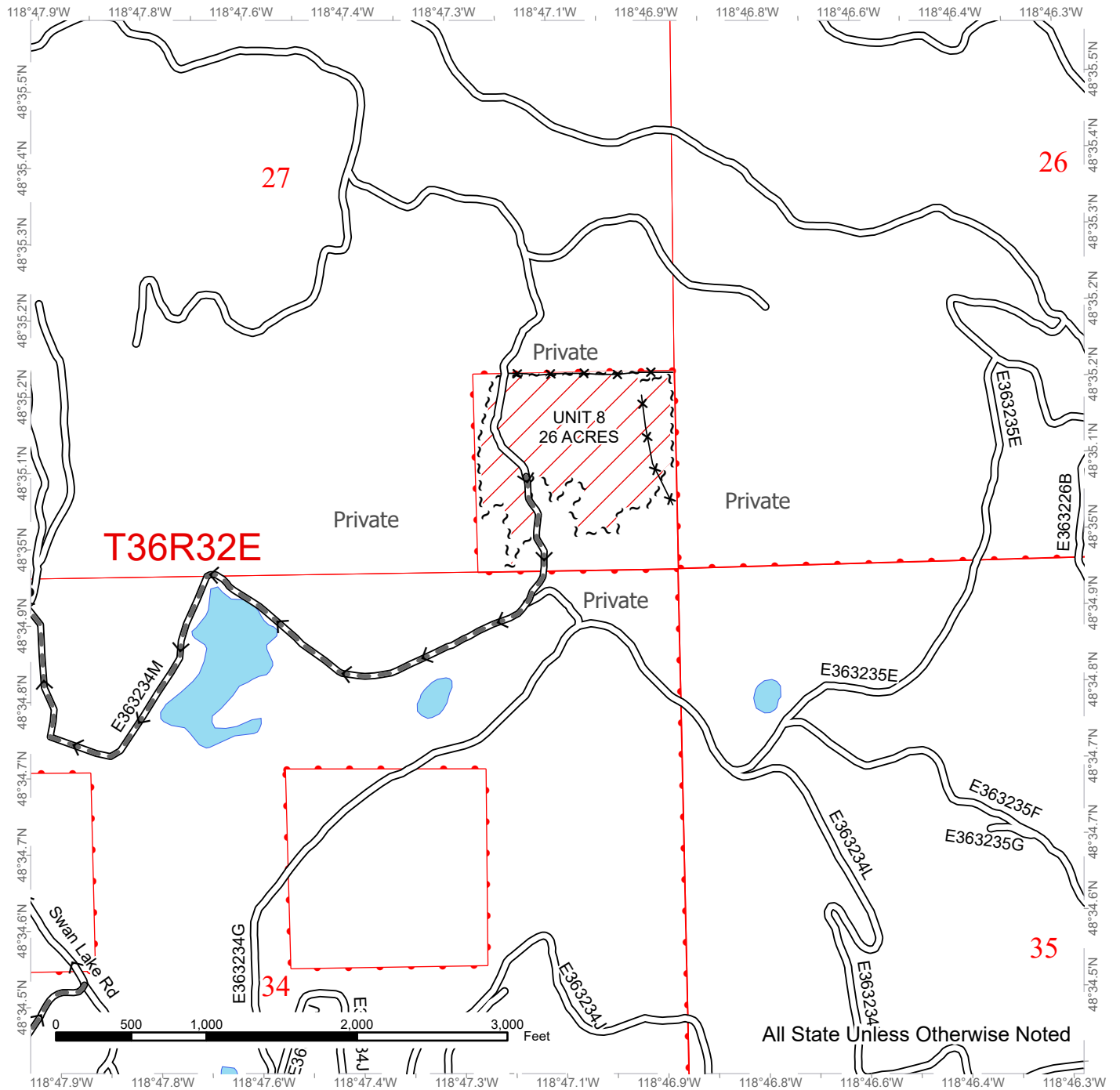
Public Land Survey Sections	Sale Boundary Tags	Streams
DNR Managed Lands	Existing Roads	Survey Monument
Variable Retention Harvest	Required Pre-Haul Maintenance	Haul Route



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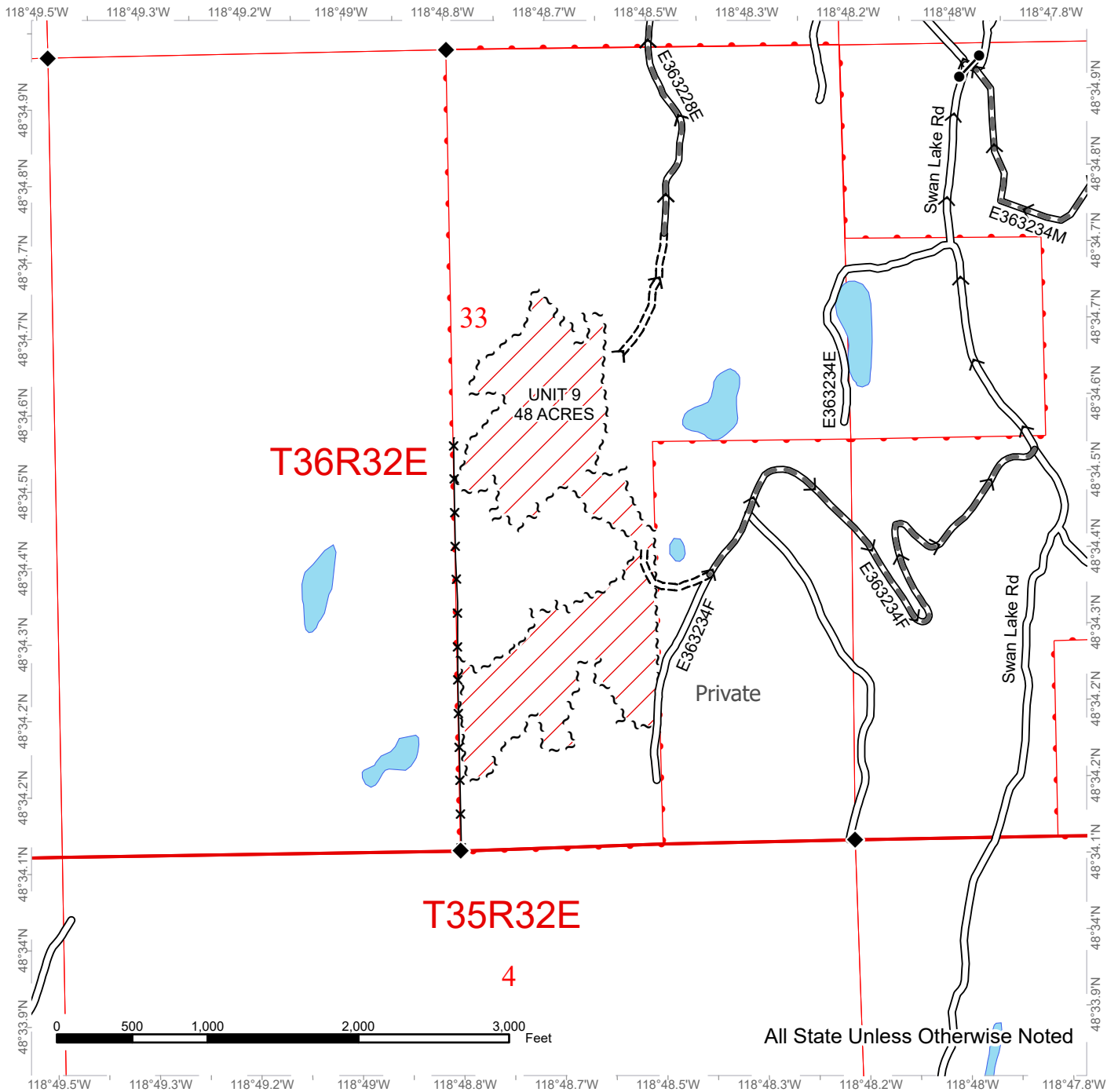


Public Land Survey Sections	Sale Boundary Tags	Fence
DNR Managed Lands	Existing Roads	Gates
Variable Retention Harvest	Required Pre-Haul Maintenance	Haul Route

TIMBER SALE MAP

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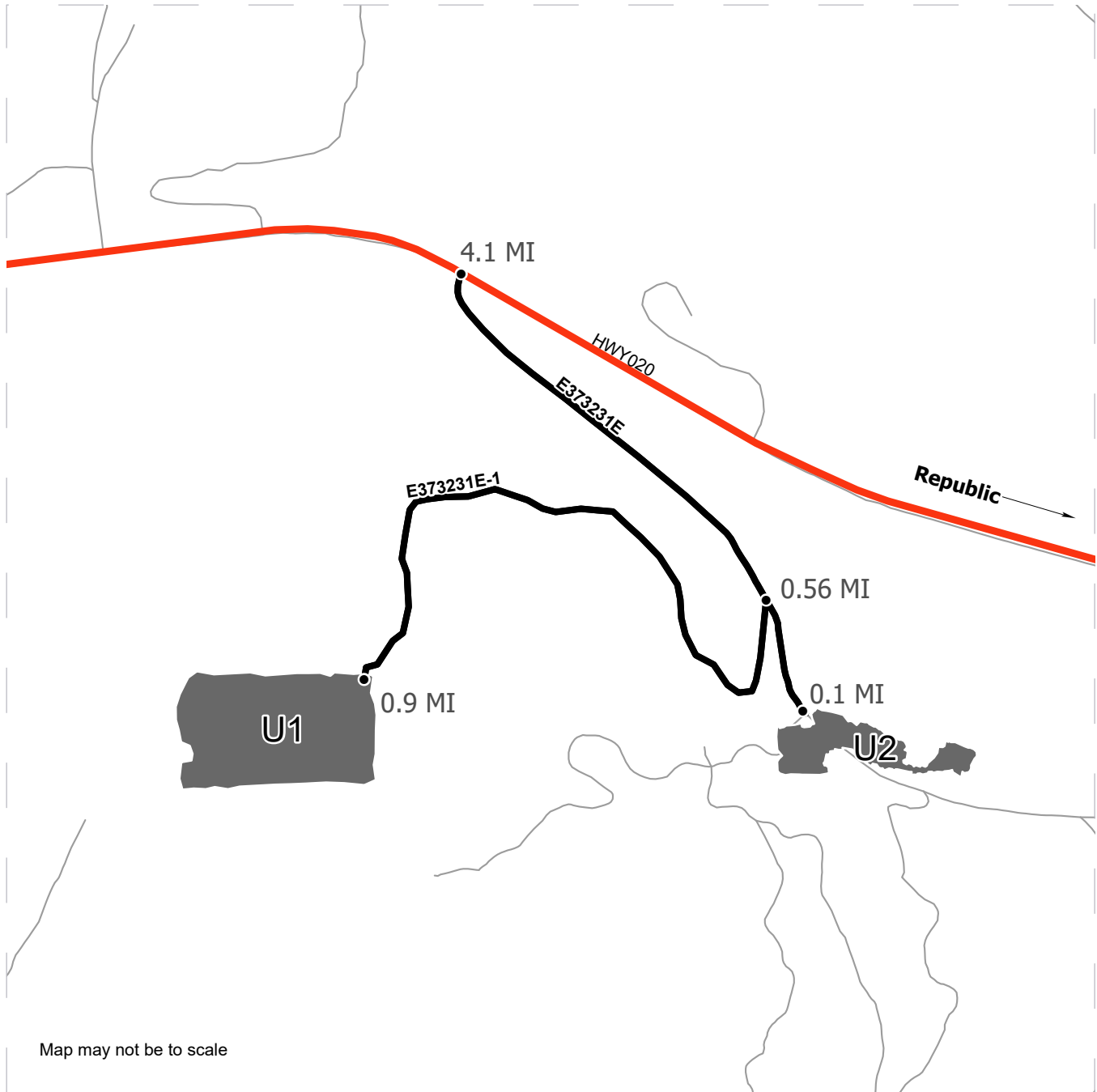
Public Land Survey Sections	Existing Roads	Gates
DNR Managed Lands	Required Pre-Haul Maintenance	Survey Monument
Variable Retention Harvest	Required Construction	Haul Route
Sale Boundary Tags	Fence	







DRIVING MAP

SALE NAME: Q COPPER SWAN
AGREEMENT#: 30-106142
TOWNSHIP(S): T36R32E
TRUST(S): Common School and Indemnity (3)

REGION: Northeast Region
COUNTY(S): Ferry
ELEVATION RGE: 3000-3840



Map may not be to scale

-  Timber Sale Unit
-  Haul Route
-  Highway
-  Distance Indicator

DRIVING DIRECTIONS:

To access Units 1 and 2: From Republic, WA travel approximately 4.1 miles West on highway 20 until turning left on Sage road. To access U1 travel for approximately 0.5 miles before reaching the "Y" intersection. To access Unit 1 stay to the right and travel approximately 0.9 miles on the E373231E-1 road. To access Unit 2 stay to the left at the "Y" and travel for approximately 0.1 miles.

To access units 3-6: From Republic, WA travel West 2.2 miles on highway 20 until turning left onto Swan Lake road. To access Unit 6 travel south on Swan lake road for approximately 2.1 miles to the E363209G road, from there travel south 0.8 miles. To access Units 3-5 travel 0.5 miles south from the intersection of Swan Lake road and E363209E until reaching Unit 4. To access Unit 3 continue on the E363209E road for approximately 0.27 miles more. To access Unit 5 continue on the E363209E road for approximately 1.3 miles more.

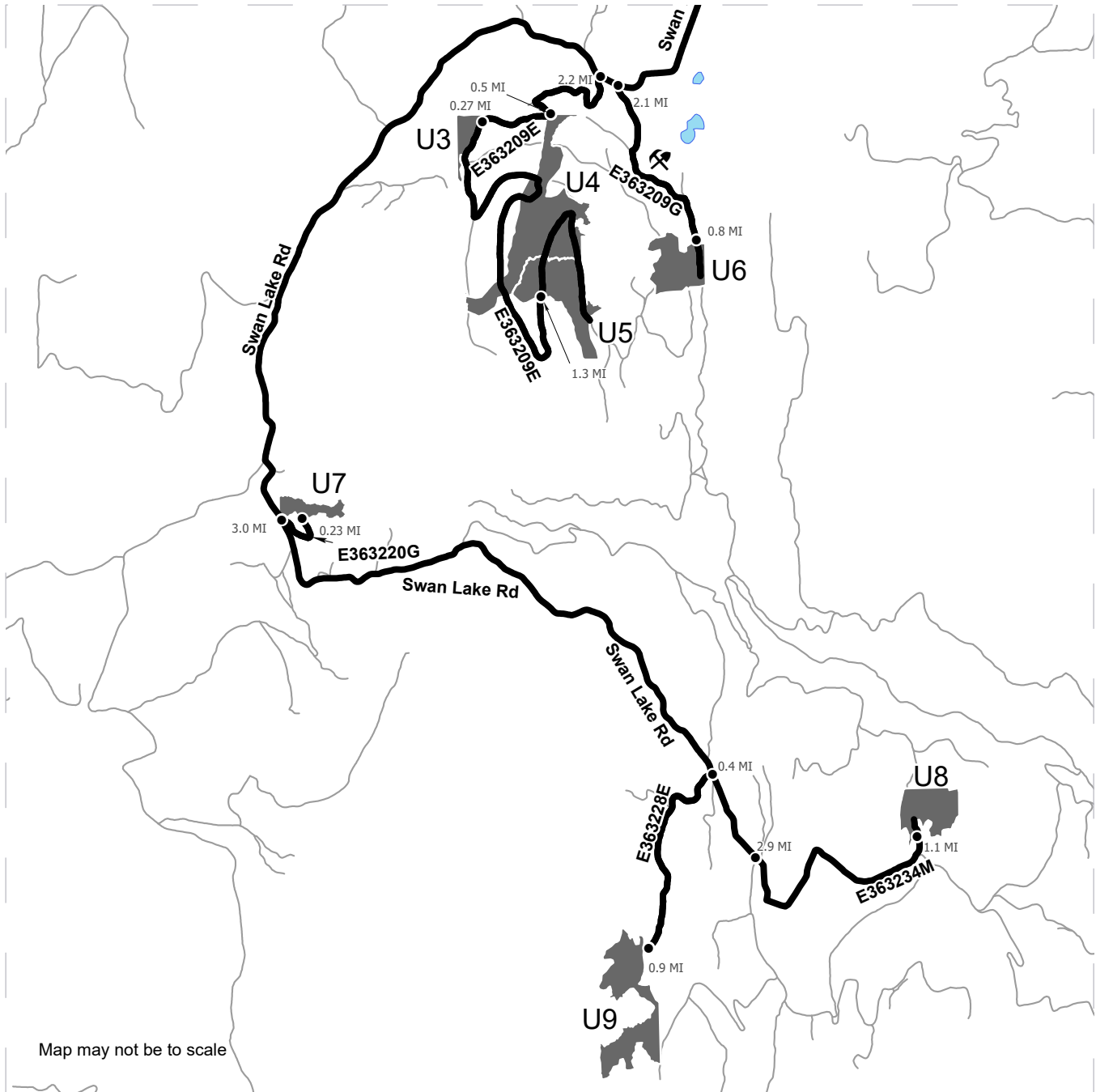
To access Unit 7 travel south from the intersection of Swan Lake Road and E363209E on Swan Lake Road for approximately 3.0 miles until reaching E363220G, travel East on E363220G until reaching U7. To access Unit 8 travel beyond Unit 7 access for 2.9 miles on the Swan lake road until reaching the E363234M road. Continue traveling East on E363234M for approximately 1.1 miles to reach U8. To access Unit 9 travel north from the intersection of the Swan Lake and E263234M road for approximately 0.4 miles until reaching the E362228E road. Travel West on the E363228E road for approximately 0.9 miles until reaching U9.



DRIVING MAP

SALE NAME: Q COPPER SWAN
AGREEMENT#: 30-106142
TOWNSHIP(S): T36R32E
TRUST(S): Common School and Indemnity (3)

REGION: Northeast Region
COUNTY(S): Ferry
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Map may not be to scale

- Timber Sale Unit
- Haul Route
- Distance Indicator
- ⚡ Rock Pit

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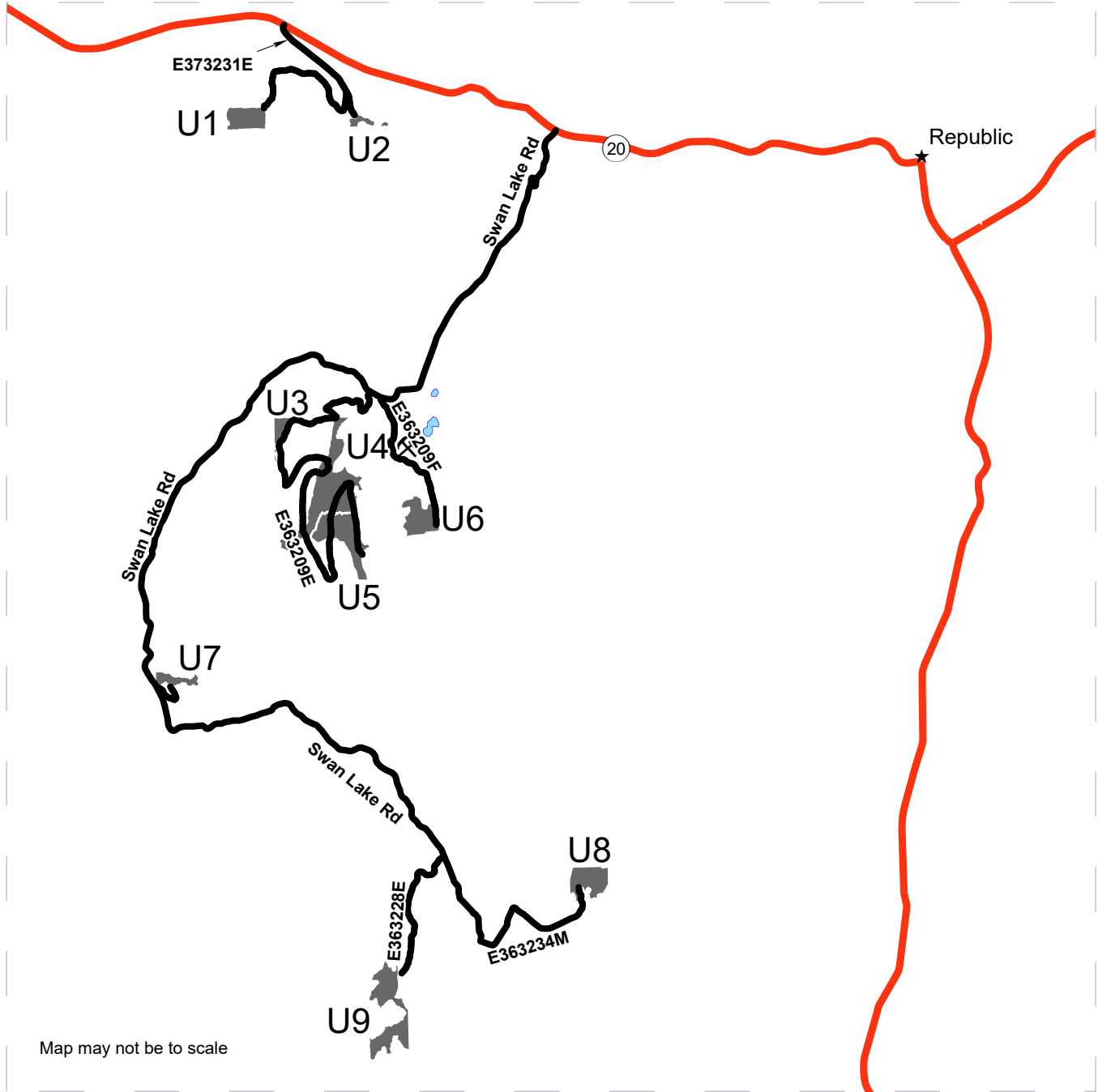
To access Unit 7 travel south from the intersection of Swan Lake Road and E363209E on Swan Lake Road for approximately 3.0 miles until reaching E363220G, travel East on E363220G until reaching U7. To access Unit 8 travel beyond Unit 7 access for 2.9 miles on the Swan lake road until reaching the E363234M road. Continue traveling East on E363234M for approximately 1.1 miles to reach U8. To access Unit 9 travel north from the intersection of the Swan Lake and E263234M road for approximately 0.4 miles until reaching the E362228E road. Travel West on the E363228E road for approximately 0.9 miles until reaching U9.



DRIVING MAP

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REGION: Northeast Region
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Map may not be to scale

- Timber Sale Unit
- Haul Route
- Highway
- Rock Pit

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