



TIMBER NOTICE OF SALE

SALE NAME: BREWED AWAKENING VRH & RMZ THIN AGREEMENT NO: 30-104865

AUCTION: March 25, 2025 starting at 10:00 a.m., COUNTY: King South Puget Sound Region Office, Enumclaw, WA

SALE LOCATION: Sale located approximately 11 miles southwest of North Bend, WA.

PRODUCTS SOLD AND SALE AREA:

All timber, except trees marked with blue paint or bounded out by yellow leave tree area tags, snags, and down timber existing more than 5 years from the day of sale, bounded by the following: white Timber Sale Boundary tags, blue Special Management Area tags and the 5000 Road in Units #1, and #2; white Timber Sale Boundary tags and blue Special Management Area tags in Unit #3; blue Special Management Area tags and the 5000 Road in Unit #4; blue Special Management Area tags and the 5000 and 6000 roads in Unit #5; white Timber Sale Boundary tags, blue Special Management Area tags and the 5600 and 6000 roads Unit #6;

All timber as described in Schedule B bounded by the following: white Timber Sale Boundary tags and blue Special Management Area tags in Units #7- #14;

All forest products above located on part(s) of Sections 19 and 30 all in Township 23 North, Range 8 East, Sections 24 and 25 all in Township 23 North, Range 7 East, W.M., containing 193 acres, more or less.

CERTIFICATION: This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BVC-SFIFM-018227)

ESTIMATED SALE VOLUMES AND QUALITY:

Table with columns: Species, Avg DBH, Ring Count, Total MBF, Total Tons, Price \$/Ton, and MBF by Grade (1P, 2P, 3P, SM, 1S, 2S, 3S, 4S, UT). Rows include Douglas fir, Hemlock, Red alder, Cottonwood, Redcedar, Other Hardwood, Other Conifer, and Sale Total.

MINIMUM BID: \$35/ton (est. value \$1,203,000.00) BID METHOD: Sealed Bids

PERFORMANCE SECURITY: \$100,000.00 SALE TYPE: Tonnage Scale

EXPIRATION DATE: October 31, 2027 ALLOCATION: Export Restricted

BIDDABLE SPECIES: Douglas fir

BID DEPOSIT: \$120,300.00 or Bid Bond. Said deposit shall constitute an opening bid at the appraised price.

HARVEST METHOD: Harvest activities are estimated to be 100 percent tracked ground based. Self-leveling equipment is limited to sustained slopes of 65 percent or less, with all other tracked ground based equipment



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limited to sustained slopes of 45 percent or less. Yarding may be restricted during wet weather if rutting becomes excessive, per clause H-017.

ROADS:

442.57 stations of required prehaul maintenance. 442.57 stations of posthaul maintenance. Purchaser maintenance on the 5000, 5600, 6000, 6100, 6110, and 6120 roads.

Rock can be obtained from the State owned Rattlesnake Pit at no charge to the Purchaser or any commercial rock source at the Purchaser's expense. Purchaser shall obtain written approval from the Contract Administrator for the use of material from any other source. Rock source development is to be completed per Section 6 and as specified in the Rock Source Development Plan in the Road Plan.

Operation of road construction equipment and rock haul will not be permitted from November 1 to April 30, nor on weekends or State recognized holidays, unless authority is granted to do so, in writing, by the Contract Administrator. If permission is granted to operate from November 1 to April 30, a maintenance plan may be required per Road Plan clause 1-26.

The hauling of forest products will not be permitted from November 1 to April 30, nor on weekends or State recognized holidays, unless authorized in writing by the Contract Administrator. If permission is granted to operate from November 1 to April 30, preventative measures may be required to protect water, soil, roads and other forest assets.

ACREAGE DETERMINATION

CRUISE METHOD:

Acreege was determined by traversing boundaries by GPS and by multiplying length times width for existing roads. GPS data files are available at DNR's website for timber sale auction packets. See cruise narrative for cruise method.

FEES:

\$76,670.00 is due on day of sale. \$9.00 per ton is due upon removal. These are in addition to the bid price.

SPECIAL REMARKS:

This sale contains high quality Douglas-fir sawlogs. See Cruise for details.

Units #7 and #14 are thinning units per the prescription described in Schedule B. Each of these units include large woody debris creation from trees marked with red paint.

Recreation trail protection and cleanout is required per Schedule A. This includes felling away from trail bridges.

No equipment may operate within, nor logs yarded through or over the non-tradeable leave tree clumps marked with yellow leave tree area tags in Units #3 and #6.

There is current ongoing road construction on Highway 18.

Winter operations are from November 1st to April 30th, if permitted by the Contract Administrator, may need periodic road maintenance and/or have restricted hauling and operation days.

Units #2, #8, and #9 have had significant blow down.

Snow plowing will require written permission from the Contract Administrator as well as a written Snow Plowing Agreement, per Road Plan clause 1-33.



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Within Units #1 - #6, all vine maple stems greater than 6 feet in height shall be felled, leaving a stump no more than 12 inches in height. Exceptions must be authorized in writing by the Contract Administrator.

Approval from the Contract Administrator is required, per contract clause C-080, for all landing locations along existing roads.

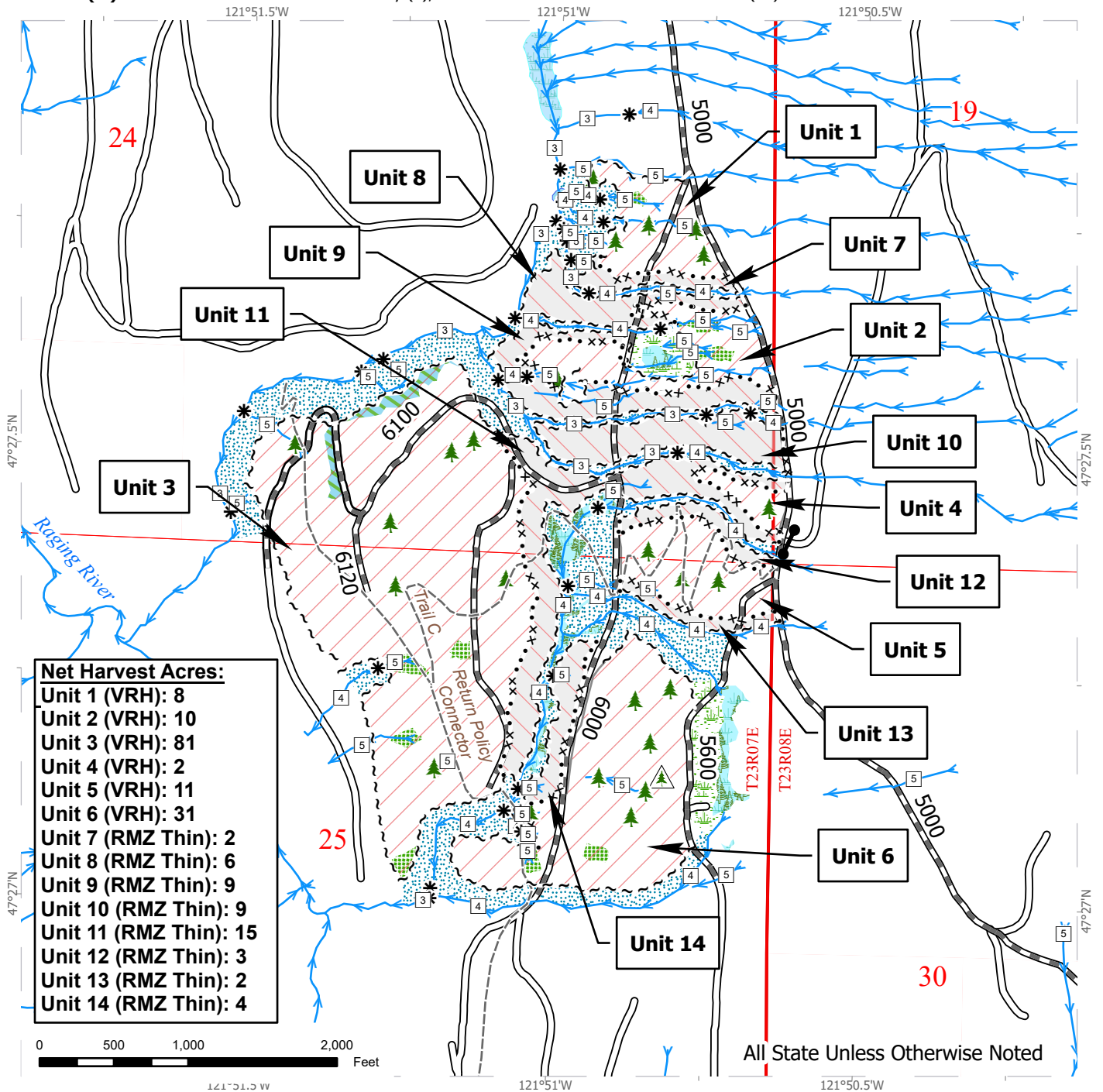
Note to cruisers and appraisers: Please refrain from leaving pink, orange, or blue flagging from your cruises in or around the sale area to avoid confusion with DNR's marking. Additionally, for the safety of the public, please remove from roads and trails all string from string boxes used during appraising or cruising this sale.

See map for gate locations. Gate keys may be obtained by contacting the South Puget Sound Region Office at 360-825-1631 or by contacting Paul Footen at 425-736-1708.

TIMBER SALE MAP

SALE NAME: BREWED AWAKENING VRH AND RMZ THIN
AGREEMENT #: 30-104865
TOWNSHIP(S): T23R7E, T23R8E
TRUST(S): Common School and Indemnity (3), Water Pollution Control Division Trust Land (77)

REGION: South Puget Sound Region
COUNTY(S): King
ELEVATION RGE: 1280-1840



Net Harvest Acres:

Unit 1 (VRH):	8
Unit 2 (VRH):	10
Unit 3 (VRH):	81
Unit 4 (VRH):	2
Unit 5 (VRH):	11
Unit 6 (VRH):	31
Unit 7 (RMZ Thin):	2
Unit 8 (RMZ Thin):	6
Unit 9 (RMZ Thin):	9
Unit 10 (RMZ Thin):	9
Unit 11 (RMZ Thin):	15
Unit 12 (RMZ Thin):	3
Unit 13 (RMZ Thin):	2
Unit 14 (RMZ Thin):	4

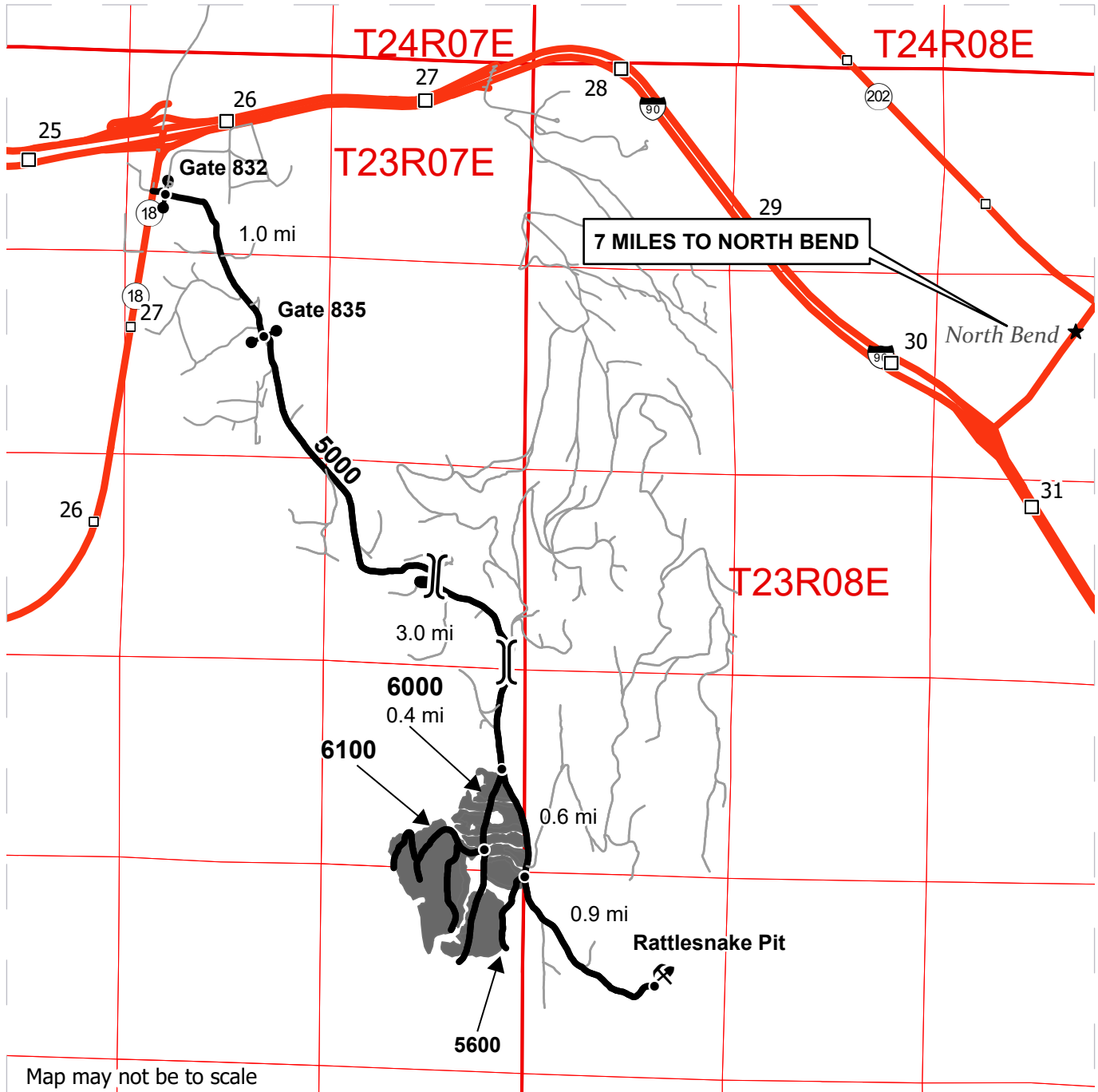
All State Unless Otherwise Noted

RMZ Thin	Existing Roads	Mtn Bike Trail
Variable Retention Harvest	Required Pre-Haul Maintenance	Streams
Leave Tree Area	Gate	Stream Type
Non-Tradeable Leave Tree Area	Sale Boundary Tags	Stream Break
Forested Wetland	Special Mgmt Area	Leave Tree Area <1/4-acre
Wetland Mgt Zone		Non-Tradeable Leave Trees
Riparian Mgt Zone		

DRIVING MAP

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DRIVING DIRECTIONS:

From HWY 18 and SE 104th St

Take a right onto the 5000 Rd (Rattlesnake Mainline) through Gate 832. Continue for 1.0 mile through gate 835. Continue for 3.0 miles until you reach the fork at sale's northern end.

Left onto the 5000 Rd.

Continue left on the 5000 Rd. for 0.6 miles to reach the uphill side of Units 1, 2, 4, 5, 7, 8, 9, 10, 11, 12, and 13. Continue left on the 5000 Rd. for another 0.9 miles to reach the Rattlesnake Pit or continue right on the 5600 Rd. to reach the uphill side of Units 6 and 13.

Right onto the 6000 Rd.

Continue right on the 6000 Rd. (Brew Rd.) for 0.4 miles to reach the downhill side of Units 1, 2, 7, 8, 9, 10, and 11. At the junction, keep straight on the 6000 Rd. to reach the downhill side of Units 5, 6, 12, 13, and 14 or turn right onto the 6100 Rd. to access Unit 3 and the western portion of Unit 11.



**STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES**

**BILL OF SALE AND CONTRACT FOR
FOREST PRODUCTS**

Export Restricted Tonnage Scale AGREEMENT NO. 30-104865

SALE NAME: BREWED AWAKENING VRH & RMZ THIN

**THE STATE OF WASHINGTON DEPARTMENT OF NATURAL
RESOURCES, HEREINAFTER ACTING SOLELY, IN ITS PROPRIETARY
CAPACITY, STATE, AND PURCHASER, AGREE AS FOLLOWS:**

Section G: General Terms

G-001 Definitions

The following definitions apply throughout this contract;

Bill of Sale and Contract for Forest Products: Contract between the Purchaser and the State, which sets forth the procedures and obligations of the Purchaser in exchange for the right to remove forest products from the sale area. The Bill of Sale and Contract for Forest Products may include a Road Plan for any road construction or reconstruction, where applicable.

Contract Administrator: Region Manager's designee responsible for assuring that the contractual obligations of the Purchaser are met.

Forest Product: Any material derived from the forest for commercial use.

Purchaser: The company or individual that has entered into a Bill of Sale and Contract for Forest Products with the State for the right to harvest and remove forest products from the timber sale area.

Road Construction: Includes building new and maintaining existing forest roads and associated work that may be optional or required as described in the Road Plan.

State: The Washington State Department of Natural Resources, landowner and seller of Forest Products from the timber sale area. The State is represented by the Region Manager as designated on the contract signature page. Contractual obligations to the State are enforced by the Region Manager or the designated Contract Administrator.

Subcontractor: Individual or company employed by the Purchaser to perform a portion or all of the services required by The Bill of Sale and Contract for Forest Products. The Purchaser is responsible for independently negotiating, procuring and paying for all subcontracted services rendered.

G-010 Products Sold and Sale Area

Purchaser was the successful bidder on March 25, 2025 and the sale was confirmed on _____. The State, as owner, agrees to sell to Purchaser, and Purchaser agrees to purchase, cut, and remove the following forest products: All timber, except trees marked with blue paint or bounded out by yellow leave tree area tags, snags, and down timber existing more than 5 years from the day of sale, bounded by the following: white Timber Sale Boundary tags, blue Special Management Area tags and the 5000 Road in Units #1, and #2; white Timber Sale Boundary tags and blue Special Management Area tags in Unit #3; blue Special Management Area tags and the 5000 Road in Unit #4; blue Special Management Area tags and the 5000 and 6000 roads in Unit #5; white Timber Sale Boundary tags, blue Special Management Area tags and the 5600 and 6000 roads Unit #6;

All timber as described in Schedule B bounded by the following: white Timber Sale Boundary tags and blue Special Management Area tags in Units #7- #14;

All forest products described above located on approximately 193 acres on part(s) of Sections 19, and 30 all in Township 23 North, Range 8 East, Sections 24, and 25 all in Township 23 North, Range 7 East W.M. in King County(s) as shown on the attached timber sale map and as designated on the sale area.

All forest products described above from the bole of the tree that meet or exceed 2 inches diameter inside bark on the small end are eligible for removal. Above ground components of a tree that remain as by-products after the manufacture of logs, including but not limited to tree tops, branches, limbs, needles, leaves, stumps, are not eligible for removal under the terms of this contract.

Forest products purchased under a contract that is designated as export restricted shall not be exported until processed. Forest products purchased under a contract that is designated as exportable may be exported prior to processing.

G-020 Inspection By Purchaser

Purchaser hereby warrants to the State that they have had an opportunity to fully inspect the sale area and the forest products being sold. Purchaser further warrants to

the State that they enter this contract based solely upon their own judgment of the value of the forest products, formed after their own examination and inspection of both the timber sale area and the forest products being sold. Purchaser also warrants to the State that they enter this contract without any reliance upon the volume estimates, acreage estimates, appraisals, pre-bid documentation, or any other representations by the State Department of Natural Resources.

G-025 Schedules

The following attached schedules are hereby incorporated by reference:

Schedule	Title
A	Recreation Trail Clean Out and Repair
B	RMZ Thinning Prescription - Units #7-#14

G-030 Contract Term

Purchaser shall remove the forest products conveyed and complete all work required by this contract prior to October 31, 2027.

G-040 Contract Term Adjustment - No Payment

Purchaser may request an adjustment in the contract term. A claim must be submitted in writing and received by the State within 30 days after the start of interruption or delay. The claim must also indicate the actual or anticipated length of interruption or delay. The State may grant an adjustment without charge only if the cause for contract term adjustment is beyond Purchaser's control. The cause must be one of the following and the adjustment may be granted only if operations or planned operations under this contract are actually interrupted or delayed:

- a. Road and bridge failures which deny access.
- b. Access road closures imposed by road owner.
- c. Excessive suspensions as provided in clause G-220.
- d. Regulatory actions not arising from Purchaser's failure to comply with this contract which will prevent timber harvest for a period less than 6 months.

G-050 Contract Term Extension - Payment

Extensions of this contract term may be granted only if, in the judgment of the State, Purchaser is acting in good faith and is endeavoring to remove the forest products conveyed. The term of this contract may be extended for a reasonable time by the State if all of the following conditions are satisfied:

- a. A written request for extension of the contract term must be received prior to the expiration date of the contract.
- b. Completion of all required roads and compliance with all contract and regulatory requirements.

- c. For the first extension, not to exceed 1 year, payment of at least 25 percent of the contract value based on the contract payment rate and advertised volume.

For the second extension, not to exceed 1 year, payment of at least 90 percent of the contract value based on the contract payment rate base and advertised volume.

The payments shall not include the initial deposit which shall be held according to the provisions of RCW 79.15.100.

- d. Payment of an amount based on 12 percent interest per annum on the unpaid portion of the timber value of the contract.

To determine the unpaid portion of the contract, multiply the contract payment rate for each item by the remaining volume for each item based on the volumes from the Timber Notice of Sale. In addition, all cash deposits that can be used for timber payments, except the initial deposit, will be deducted from the unpaid portion of the contract.

- e. Payment of \$16.00 per acre per annum for the acres on which an operating release has not been issued in the harvest area.
- f. In no event will the extension charge be less than \$200.00.
- g. Extension payments are non-refundable.

G-053 Surveys - Sensitive, Threatened, Endangered Species

Whenever the State determines that a survey for sensitive, threatened, or endangered species is prudent, or when Purchaser determines a survey is prudent and the State agrees, Purchaser shall perform such surveys at Purchaser's expense and to the standards required by the State. The survey information shall be supplied to the State.

G-060 Exclusion of Warranties

The PARTIES AGREE that the IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE and ALL OTHER WARRANTIES EXPRESSED OR IMPLIED ARE EXCLUDED from this transaction and shall not apply to the goods sold. For example, THE FOLLOWING SPECIFIC MATTERS ARE NOT WARRANTED, and are EXCLUDED from this transaction:

- a. The MERCHANTABILITY of the forest products. The use of the term "merchantable" in any document is not intended to vary the foregoing.
- b. The CONDITION of the forest products. The forest products will be conveyed "AS IS."

- c. The ACREAGE contained within any sale area. Any acreage descriptions appearing in the timber notice of sale, timber sale contract, or other documents are estimates only, provided solely for administrative and identification purposes.
- d. The VOLUME, QUALITY, OR GRADE of the forest products. The State neither warrants nor limits the amount of timber to be harvested. The descriptions of the forest products to be conveyed are estimates only, made solely for administrative and identification purposes.
- e. The CORRECTNESS OF ANY SOIL OR SURFACE CONDITIONS, PRE-SALE CONSTRUCTION APPRAISALS, INVESTIGATIONS, AND ALL OTHER PRE-BID DOCUMENTS PREPARED BY OR FOR THE STATE. These documents have been prepared for the State's appraisal purposes only.
- f. THAT THE SALE AREA IS FREE FROM THREATENED OR ENDANGERED SPECIES or their habitat. The State is not responsible for any interference with forestry operations that result from the presence of any threatened or endangered species, or the presence of their habitat, within the sale area.
- g. THAT THE FORESTRY OPERATIONS to be performed under this contract WILL BE FREE FROM REGULATORY ACTIONS by governmental agencies. The State is not responsible for actions to enforce regulatory laws, such as the Washington Forest Practices Act (chapter 76.09 RCW), taken by the Department of Natural Resources or any other agency that may affect the operability of this timber sale.
- h. Items contained in any other documents prepared for or by the State.

G-061 Inadvertent Discovery of Cultural Resources

Purchaser acknowledges that cultural resources as defined in WAC 222-16-010 may exist within the timber sale area and that the existence and location of such resources may be unknown at the time this contract is executed. Purchaser has a duty to exercise due care in its operations and in the event any human skeletal remains are discovered by the Purchaser or the State during the course of operations Purchaser shall immediately halt operations and notify local law enforcement in the most expeditious manner possible then notifying the Contract Administrator. In the event cultural resources are discovered by the Purchaser or the State during the course of operations Purchaser shall immediately halt operations and notify the Contract Administrator. Any potential resources shall not be removed or disturbed. Purchaser shall resume operations as directed in writing by the Contract Administrator.

G-062 Habitat Conservation Plan

The State has entered into a Habitat Conservation Plan (HCP) with the U.S. Fish and Wildlife Service and the National Marine Fisheries Service (the Services) to address state trust land management issues relating to compliance with the Federal Endangered

Species Act. The activities to be carried out under this contract are located within the State's HCP area and are subject to the terms and conditions of the HCP, and the Services' Incidental Take Permit Nos. TE812521-1 and 1168 (collectively referred to as ITP), or as amended hereafter by the Services. The ITP authorizes the incidental take of certain federally listed threatened and endangered species, as specified in the ITP conditions. All HCP materials, including the ITP, are available for review at the State's Regional Offices and the administrative headquarters in Olympia, Washington.

By signing this contract, Purchaser agrees to comply with the terms and conditions of the ITP, and the HCP, which shall become terms of this contract. The State agrees to authorize the lawful activities of the Purchaser carried out pursuant to this contract, PROVIDED the Purchaser remains in compliance with the terms and conditions of both the HCP and ITP. The requirements set forth in this contract are intended to comply with the terms and conditions of the HCP and ITP. Accordingly, non-compliance with the terms and conditions of the HCP and ITP will render the authorization provided in this paragraph void, be deemed a breach of the contract and may subject Purchaser to liability for violation of the Endangered Species Act.

Any modifications to the contract shall be proposed in writing by Purchaser, shall continue to meet the terms and conditions of the HCP and ITP, and shall require the prior written approval of the Region Manager before taking effect.

G-063 Incidental Take Permit Notification Requirements

- a. Purchaser shall immediately notify the Contract Administrator of new locations of permit species covered by the Incidental Take Permits (ITP) that are discovered within the area covered by the State's Habitat Conservation Plan (HCP), including, but not limited to: locations of occupied murrelet habitat; spotted owl nest sites; wolves; grizzly bears; nests, communal roosts, or feeding concentrations of bald eagles; peregrine falcon nests; Columbian white-tailed deer; Aleutian Canada geese; Oregon silverspot butterflies; and additional stream reaches found to contain bull trout. Purchaser is required to notify the Contract Administrator upon discovery of any fish species found in streams or bodies of water classified as non-fish bearing. In all circumstances, notification must occur within a 24 hour time period.
- b. Upon locating any live, dead, injured, or sick specimens of any permit species covered by the ITP, Purchaser shall immediately notify the Contract Administrator. Purchaser shall notify the Contract Administrator if there is any doubt as to the identification of a discovered permit species. Purchaser may be required to take certain actions to help the Contract Administrator safeguard the well-being of any live, injured or sick specimens of any permit species discovered, until the proper disposition of such specimens can be determined by the Contract Administrator. Any such requirements will be explained to Purchaser by the Contract Administrator during the Pre-Work Conference. In all circumstances, notification must occur within a 24 hour time period.

- c. Purchaser shall refer to a specific ITP number, ITP TE812521-1 or ITP 1168 (copies which are located in the region office) in all correspondence and reports concerning permit activities.
- d. Provisions and requirements of the ITP shall be clearly presented and explained to Purchaser by Contract Administrator during the Pre-Work Conference as per contract clause G-330. All applicable provisions of the ITP and this schedule must be presented and clearly explained by Purchaser to all authorized officers, employees, contractors, or agents of Purchaser conducting authorized activities in the timber sale area. Any questions Purchaser may have about the ITP should be directed to the Contract Administrator.

G-064 Permits

Purchaser is responsible for obtaining any permits not already obtained by the State that relate to Purchaser's operation. Forest Practice Application / Hydraulic Project Approval permits obtained by the State shall be transferred to Purchaser. Purchaser is responsible for all permits, amendments and renewals.

G-065 Regulatory Disclaimer

The State disclaims any responsibility for, or liability relating to, regulatory actions by any government agency, including actions pursuant to the Forest Practices Act, Ch. 76.09 RCW that may affect the operability of the timber sale.

G-066 Governmental Regulatory Actions

a. Risk

Purchaser shall be responsible for any increased operational costs arising from any applicable foreign or domestic governmental regulation or order that does not cause contract performance to become commercially impracticable or that does not substantially frustrate the purpose of the contract. If impracticability or frustration results from Purchaser's failure to comply with this contract, Purchaser shall remain responsible for payment of the total contract price notwithstanding the impracticability or frustration.

b. Sale Area

When portions of the sale area become subject to a foreign or domestic governmental regulation or order that will likely prevent timber harvest for a period that will exceed the expiration date of this contract, and Purchaser has complied with this contract, the following shall apply:

- i. RCW 79.15.140 shall govern all adjustments to the contract area.

c. Adjustment of Price

The State shall adjust the total contract price by subtracting from the total contract price an amount determined in the following manner: The State shall

cause the timber sale area subject to governmental regulation or order to be measured. The State shall calculate the percentage of the total sale area subject to the governmental regulation or order. The State shall reduce the total contract price by that calculated percentage. However, variations in species, value, costs, or other items pertaining to the affected sale area will be analyzed and included in the adjustment if deemed appropriate by the State. The State will further reduce the total contract price by the reasonable cost of unamortized roads Purchaser constructed but was unable to fully use for removing timber. A reduction in total contract price terminates all of the Purchaser's rights to purchase and remove the timber and all other interest in the affected sale area.

G-070 Limitation on Damage

In the event of a breach of any provision of this contract by the State, the exclusive remedy available to Purchaser will be limited to a return of the initial deposit, unapplied payments, and credit for unamortized improvements made by Purchaser. The State shall not be liable for any damages, whether direct, incidental or consequential.

G-080 Scope of State Advice

No advice by any agent, employee, or representative of the State regarding the method or manner of performing shall constitute a representation or warranty that said method, manner or result thereof will conform to the contract or be suitable for Purchaser's purposes under the contract. Purchaser's reliance on any State advice regarding the method or manner of performance shall not relieve Purchaser of any risk or obligation under the contract. Purchaser retains the final responsibility for its operations under this contract and State shall not be liable for any injuries resulting from Purchaser's reliance on any State advice regarding the method or manner of performance.

G-090 Sale Area Adjustment

The Parties may agree to adjustments in the sale area boundary. The cumulative changes to the sale area during the term of the contract shall not exceed more than four percent of the original sale area. If the sale area is increased, added forest products become a part of this contract and shall be paid for at the same rate and manner as other forest products under this contract.

G-100 Forest Products Not Designated

Any forest products not designated for removal, which must be removed in the course of operations authorized by the State, shall be approved and designated by the Contract Administrator. Added forest products become a part of this contract and shall be paid for at the same rate and manner as other forest products under this contract.

G-105 Adding Naturally Damaged Forest Products

Any forest products not designated for removal that are seriously damaged by disease, insects or wind, or that may contribute seriously to the spread of insect or disease damage may be added to this sale by the Contract Administrator. Additions must be in unlogged areas of the sale and added volume shall not exceed an amount equal to 10

percent of the original advertised volume. Added forest products become a part of this contract and shall be paid for at the same rate and manner as other forest products under this contract.

G-110 Title and Risk of Loss

Title to the forest products conveyed passes at confirmation of the sale. Purchaser bears the risk of loss of or damage to and has an insurable interest in the forest products in this contract from the time of confirmation of the sale of forest products. In the event of loss of or damage to the forest products after passage of title, whether the cause is foreseeable or unforeseeable, the forest products shall be paid for by Purchaser. Breach of this contract shall have no effect on this provision. Title to the forest products not removed from the sale area within the period specified in this contract shall revert to the State as provided in RCW 79.15.100.

G-116 Sustainable Forestry Initiative® (SFI®) Certification

Forest products purchased under this contract are certified as being in conformance with the Sustainable Forestry Initiative 2022 Forest Management Standard under certificate number: BVC-SFIFM-018227.

Purchaser shall have at least one person regularly on-site during active operations that have completed training according to the requirements outlined within the SFI Standard. Purchaser shall designate in writing the name(s) of the individual(s) who will be on-site and provide proof of their successful completion of an approved training program prior to active operations.

G-120 Responsibility for Work

All work, equipment, and materials necessary to perform this contract shall be the responsibility of Purchaser. Any damage to improvements, except as provided in clause G-121 or unless the State issues an operating release pursuant to clause G-280, shall be repaired promptly to the satisfaction of the State and at Purchaser's expense.

G-121 Exceptions

Exceptions to Purchaser's responsibility in clause G-120 shall be limited exclusively to the following. These exceptions shall not apply where road damage occurs due to Purchaser's failure to take reasonable precautions or to exercise sound forest engineering and construction practices.

The State will bear the cost to repair damages caused by a third party. In all other cases, the Purchaser shall bear responsibility for the costs as described below.

Road is defined as the road bed, including but not limited to its component parts, such as cut and fill slopes, subgrade, ditches, culverts, bridges, and cattle guards.

For the purposes of this clause, damage will be identified by the State and is defined as:

1. Failure of (a) required improvements or roads designated in clause C-050, or (b) required or optional construction completed to the point that authorization to haul has been issued;
2. Caused by a single event from forces beyond the control of Purchaser, its employees, agents, or invitees, including independent contractors; and
3. Includes, but is not limited to natural disasters such as earthquakes, volcanic eruptions, landslides, and floods.

The repair work identified by the State shall be promptly completed by Purchaser at an agreed price. The State may elect to accomplish repairs by means of State-provided resources.

For each event, Purchaser shall be solely responsible for the initial \$5,000 in repairs. For repairs in excess of \$5,000, the parties shall share equally the portion of costs between \$5,000 and \$15,000. The State shall be solely responsible for the portion of the cost of repairs that exceed \$15,000.

Nothing contained in clauses G-120 and G-121 shall be construed as relieving Purchaser of responsibility for, or damage resulting from, Purchaser's operations or negligence, nor shall Purchaser be relieved from full responsibility for making good any defective work or materials. Authorization to haul does not warrant that Purchaser built roads are free from material defect and the State may require additional work, at Purchasers expense regardless of cost, to remedy deficiencies at any time.

G-140 Indemnity

To the fullest extent permitted by law, Purchaser shall indemnify, defend and hold harmless State, agencies of State and all officials, agents and employees of State, from and against all claims arising out of or resulting from the performance of the contract. "Claim" as used in this contract means any financial loss, claim, suit, action, damage, or expense, including but not limited to attorneys' fees, attributable for bodily injury, sickness, disease or death, or injury to or destruction of tangible property including loss of use resulting therefrom. Purchasers' obligations to indemnify, defend, and hold harmless includes any claim by Purchasers' agents, employees, representatives, or any subcontractor or its employees. Purchaser expressly agrees to indemnify, defend, and hold harmless State for any claim arising out of or incident to Purchasers' or any subcontractors' performance or failure to perform the contract. Purchasers' obligation to indemnify, defend, and hold harmless State shall not be eliminated or reduced by any actual or alleged concurrent negligence of State or its agents, agencies, employees and officials. Purchaser waives its immunity under Title 51 RCW to the extent it is required to indemnify, defend and hold harmless State and its agencies, officials, agents or employees.

G-150 Insurance

Purchaser shall, at its cost and expense, buy and maintain insurance of the types and amounts listed below. Failure to buy and maintain the required insurance may result in

a breach and/or termination of the contract at State's option. State may suspend Purchaser operations until required insurance has been secured.

All insurance and surety bonds should be issued by companies admitted to do business within the State of Washington and have a rating of A-, Class VII or better in the most recently published edition of Best's Reports. If an insurer is not admitted, all insurance policies and procedures for issuing the insurance policies must comply with Chapter 48.15 RCW and 284-15 WAC.

The State of Washington, Department of Natural Resources region office of sale origin shall be provided written notice before cancellation or non-renewal of any insurance referred to therein, in accord with the following specifications:

1. Insurers subject to Chapter 48.18 RCW (admitted and regulated by the Insurance Commissioner): The insurer shall give the State 45 days advance notice of cancellation or non-renewal. If cancellation is due to non-payment of premium, the State shall be given 10 days advance notice of cancellation.
2. Insurers subject to Chapter 48.15 RCW (surplus lines): The State shall be given 20 days advance notice of cancellation. If cancellation is due to non-payment of premium, the State shall be given 10 days advance notice of cancellation.

Before starting work, Purchaser shall furnish State of Washington, Department of Natural Resources with a certificate(s) of insurance, executed by a duly authorized representative of each insurer, showing compliance with the insurance requirements specified in the contract. Insurance coverage shall be obtained by the Purchaser prior to operations commencing and continually maintained in full force until all contract obligations have been satisfied or an operating release has been signed by the State.

Purchaser shall include all subcontractors as insured under all required insurance policies, or shall furnish separate certificates of insurance and endorsements for each subcontractor. Subcontractor(s) must comply fully with all insurance requirements stated herein. Failure of subcontractor(s) to comply with insurance requirements does not limit Purchaser's liability or responsibility.

The State of Washington, Department of Natural Resources, its elected and appointed officials, agents and employees shall be named as an additional insured via endorsement on all general liability, excess, umbrella, and property insurance policies.

All insurance provided in compliance with this contract shall be primary as to any other insurance or self-insurance programs afforded to or maintained by State. Purchaser waives all rights against State for recovery of damages to the extent these damages are covered by general liability or umbrella insurance maintained pursuant to this contract.

By requiring insurance herein, State does not represent that coverage and limits will be adequate to protect Purchaser and such coverage and limits shall not limit Purchaser's liability under the indemnities and reimbursements granted to State in this contract.

The limits of insurance, which may be increased as deemed necessary by State of Washington, Department of Natural Resources, shall not be less than as follows:

Commercial General Liability (CGL) Insurance. Purchaser shall maintain general liability (CGL) insurance, and, if necessary, commercial umbrella insurance with a limit of not less than \$1,000,000.00 per each occurrence. If such CGL insurance contains aggregate limits, the General Aggregate limit shall be at least twice the "each occurrence" limit. CGL insurance shall have products-completed operations aggregate limit of at least two times the "each occurrence" limit. CGL coverage shall include a Logging and Lumbering Endorsement (i.e. Logger's Broad-Form) to cover the events that include, but are not limited to, fire suppression expenses, accidental timber trespasses, and wildfire property damage with limits of not less than \$2,000,000.00 each occurrence.

CGL insurance shall be written on Insurance Services Office (ISO) occurrence form CG 00 01 (or a substitute form providing equivalent coverage). All insurance shall cover liability arising out of premises, operations, independent contractors, products completed operations, personal injury and advertising injury, and liability assumed under an insured contract (including the tort liability of another party assumed in a business contract), and contain separation of insured (cross liability) condition.

Employer's Liability "Stop Gap" Insurance. Purchaser shall buy employers liability insurance, and, if necessary, commercial umbrella liability insurance with limits not less than \$1,000,000.00 each accident for bodily injury by accident or \$1,000,000.00 each employee for bodily injury by disease.

Workers' Compensation Coverage. Purchaser shall comply with all State of Washington workers' compensation statutes and regulations. Workers' compensation coverage shall be provided for all employees of Purchaser and employees of any subcontractor or sub-subcontractor. Coverage shall include bodily injury (including death) by accident or disease, which exists out of or in connection with the performance of this contract. Except as prohibited by law, Purchaser waives all rights of subrogation against State for recovery of damages to the extent they are covered by workers' compensation, employer's liability, commercial general liability, or commercial umbrella liability insurance.

If Purchaser, subcontractor or sub-subcontractor fails to comply with all State of Washington workers' compensation statutes and regulations and State incurs fines or is required by law to provide benefits to or obtain coverage for such employees, Purchaser shall indemnify State. Indemnity shall include all fines, payment of benefits to Purchaser or subcontractor employees, or their heirs or legal representatives, and the cost of effecting coverage on behalf of such employees.

Business Auto Policy (BAP). Purchaser shall maintain business auto liability and, if necessary, commercial umbrella liability insurance with a limit not less than \$1,000,000.00 per accident. Such insurance shall cover liability arising out of "Any Auto". Business auto coverage shall be written on ISO form CA 00 01, or substitute liability form providing equivalent coverage. If necessary the policy shall be endorsed to provide contractual liability coverage and cover a "covered pollution cost or expense" as provided in the 1990 or later editions of CA 00 01. Purchaser waives all rights against State for the recovery of damages to the extent they are covered by business auto liability or commercial umbrella liability insurance.

G-160 Agents

The State's rights and duties will be exercised by the Region Manager at Enumclaw, Washington. The Region Manager will notify Purchaser in writing who is responsible for administering the contract. The Region Manager has sole authority to waive, modify, or amend the terms of this contract in the manner prescribed in clause G-180. No agent, employee, or representative of the State has any authority to bind the State to any affirmation, representation, or warranty concerning the forest products conveyed beyond the terms of this contract.

Purchaser is required to have a person on site during all operations who is authorized to receive instructions and notices from the State. Purchaser shall inform the State in writing who is authorized to receive instructions and notices from the State, and any limits to this person's authority.

G-170 Assignment and Delegation

No rights or interest in this contract shall be assigned by Purchaser without prior written permission of the State. Any attempted assignment shall be void and ineffective for all purposes unless made in conformity with this paragraph. Purchaser may perform any duty through a delegate, but Purchaser is not thereby relieved of any duty to perform or any liability. Any assignee or delegate shall be bound by the terms of the contract in the same manner as Purchaser.

G-180 Modifications

Waivers, modifications, or amendments of the terms of this contract must be in writing signed by Purchaser and the State.

G-190 Contract Complete

This contract is the final expression of the Parties' agreement. There are no understandings, agreements, or representations, expressed or implied, which are not specified in this contract.

G-200 Notice

Notices required to be given under the following clauses shall be in writing and shall be delivered to Purchaser's authorized agent or sent by certified mail to Purchaser's address of record:

G-210 Violation of Contract
G-220 State Suspends Operations

All other notices required to be given under this contract shall be in writing and delivered to the authorized agent or mailed to the Party's post office address. Purchaser agrees to notify the State of any change of address.

G-210 Violation of Contract

- a. If Purchaser violates any provision of this contract, the Contract Administrator, by written notice, may suspend those operations in violation. If the violation is capable of being remedied, Purchaser has 30 days after receipt of a suspension notice to remedy the violation. If the violation cannot be remedied (such as a violation of WAC 240-15-015) or Purchaser fails to remedy the violation within 30 days after receipt of a suspension notice, the State may terminate the rights of Purchaser under this contract and collect damages.
- b. If the contract expires pursuant to clause G-030 or G-031 without Purchaser having performed all its duties under this contract, Purchaser's right to operate is terminated and Purchaser shall not have the right to remedy the breach. This provision shall not relieve Purchaser of any payment obligations.
- c. The State has the right to remedy the breach in the absence of any indicated attempt by Purchaser or if Purchaser is unable, as determined by the State, to remedy the breach. Any expense incurred by the State shall be charged to Purchaser and shall be paid within 30 days of receipt of billing.
- d. If Purchaser's violation is a result of a failure to make a payment when due, in addition to a. and b. above, interest shall accrue on the unpaid balance at 12 percent per annum, beginning the date payment was due.

G-220 State Suspends Operations

The Contract Administrator may suspend any operation of Purchaser under this contract when the State is suffering, or there is a reasonable expectation the State will suffer environmental, monetary, or other damage if the operation is allowed to continue.

Purchaser shall be in breach of this contract if the operation continues after the suspension notice or if the operation resumes without prior approval and notice from the Contract Administrator.

Purchaser may request a modification of a suspension within 30 days of the start of suspension through the dispute resolution process in clause G-240. If this process results in a finding that the suspension exceeded the time reasonably necessary to stop or prevent damage to the State, Purchaser is entitled to request a contract term adjustment under clause G-040.

If it reasonably appears that the damage that the State is suffering, or can reasonably be expected to suffer if the operation is allowed to continue, will prevent harvest for a period that will exceed 6 months, and Purchaser has complied with this contract, the provisions of clause G-066 shall govern just as if the harvest was prevented by an applicable foreign or domestic governmental regulation or order.

G-230 Unauthorized Activity

Any cutting, removal, or damage of forest products by Purchaser, its employees, agents, or invitees, including independent contractors, in a manner inconsistent with the terms of this contract or State law, is unauthorized. Such activity may subject Purchaser to liability for triple the value of said forest products under RCW 79.02.320 or RCW 79.02.300 and may result in prosecution under RCW 79.02.330 or other applicable statutes.

G-240 Dispute Resolution

The following procedures apply in the event of a dispute regarding interpretation or administration of this contract and the parties agree that these procedures must be followed before a lawsuit can be initiated.

- a. In the event of a dispute, Purchaser must make a written request to the Region Manager for resolution prior to seeking other relief.
- b. The Region Manager will issue a written decision on Purchaser's request within ten business days.
- c. Within ten business days of receipt of the Region Manager's decision, Purchaser may make a written request for resolution to the Deputy Supervisor - Uplands of the Department of Natural Resources.
- d. Unless otherwise agreed, a conference will be held by the Deputy Supervisor - Uplands within 30 calendar days of the receipt of Purchaser's request for review of the Region Manager's written decision. Purchaser and the Region Manager will have an opportunity to present their positions. The Deputy Supervisor - Uplands will issue a decision within a reasonable time of being presented with both Parties' positions.

G-250 Compliance with All Laws

Purchaser shall comply with all applicable statutes, regulations and laws, including, but not limited to; chapter 27.53 RCW, chapter 68.50 RCW, WAC 240-15 and WAC 296-54. Failure to comply may result in forfeiture of this contract.

G-260 Venue

This contract shall be governed by the laws of the State of Washington. In the event of a lawsuit involving this contract, venue shall be proper only in Thurston County Superior Court.

G-270 Equipment Left on State Land

All equipment owned or in the possession of Purchaser, its employees, agents, or invitees, including independent contractors, shall be removed from the sale area and other State land by the termination date of this contract. Equipment remaining unclaimed on State land 60 days after the expiration of the contract period is subject to disposition as provided by law. Purchaser shall pay to the State all costs of moving, storing, and disposing of such equipment. The State shall not be responsible for any damages to or loss of the equipment or damage caused by the moving, storing or disposal of the equipment.

G-280 Operating Release

An operating release is a written document, signed by the State and Purchaser, indicating that Purchaser has been relieved of certain rights or responsibilities with regard to the entire or a portion of the timber sales contract. Purchaser and State may agree to an operating release for this sale, or portion of this sale, prior to the contract expiration, when all contract requirements pertaining to the release area have been satisfactorily completed. Upon issuance of a release, Purchaser's right to cut and remove forest products on the released area will terminate.

G-310 Road Use Authorization

Purchaser is authorized to use the following State roads and roads for which the State has acquired easements and road use permits; the 5000, 5600, 6000, 6100, 6110, and 6120 roads. The State may authorize in writing the use of other roads subject to fees, restrictions, and prior rights.

G-330 Pre-work Conference

Purchaser shall arrange with the Contract Administrator to review this contract and to examine the sale area before beginning any operations. A plan of operations shall be developed and agreed upon by the Contract Administrator and Purchaser before beginning any operations. To the extent that the plan of operations is inconsistent with the contract, the terms of the contract shall prevail. State's acceptance and approval of Purchaser's plan of operations shall not be construed as any statement or warranty that the plan of operations is adequate for Purchaser's purposes or complies with applicable laws.

G-340 Preservation of Markers

Any legal land subdivision survey corners and witness objects are to be preserved. If such are destroyed or disturbed, the Purchaser shall, at the Purchaser's own expense, re-establish them through a licensed land surveyor in accordance with U.S. General Land Office standards. Corners and/or witness objects that must be disturbed or destroyed in the process of road construction or logging shall be adequately referenced and/or replaced in accordance with RCW 58.24.040(8). Such references must be approved by the Contract Administrator prior to removal of said corners and/or witness objects.

G-360 Road Use Reservation

The State shall have the right to use, without charge, all existing roads and any road constructed or reconstructed on State lands by Purchaser under this contract. The State

may extend such rights to others. If the State grants such rights to others, the State shall require performance or payment, as directed by the State, for their proportionate share of maintenance based on their use.

G-370 Blocking Roads

Purchaser shall not block the 5000 and 6000 Roads, unless authority is granted in writing by the Contract Administrator.

G-380 Road Easement and Road Use Permit Requirements

Purchaser agrees to comply with the terms and conditions of the attached:

Easement 55-000026 entered into between the State of Washington Department of Natural Resources and Weyerhaeuser Company, dated September 20, 1968.

Easement 55-084948 entered into between the State of Washington Department of Natural Resources and Weyerhaeuser Company, dated October 20, 1999.

Easement 55-084966 entered into between the State of Washington Department of Natural Resources and Weyerhaeuser Company, dated July 11, 1977.

Easement 55-085158 entered into between the State of Washington Department of Natural Resources and Weyerhaeuser Company, dated October 7, 1977.

G-396 Public Hauling Permit

The hauling of forest products, rock or equipment may require a state, county, or city hauling permit. Purchaser is responsible for obtaining any necessary permit and any costs associated with extra maintenance or repair levied by the permitting agency. Purchaser must provide the Contract Administrator with a copy of the executed permit.

G-430 Open Fires

Purchaser shall not set, or allow to be set by Purchaser's employees, agents, invitees and independent contractors, any open fire at any time of the year without first obtaining permission, in writing, from the Contract Administrator.

G-450 Encumbrances

This contract and Purchaser's activities are subject to the following:

To be determined approximately one month prior to the day of sale.

Section P: Payments and Securities

P-010 Initial Deposit

Purchaser paid DATA MISSING initial deposit, which will be maintained pursuant to RCW 79.15.100(3). If the operating authority on this contract expires without Purchaser's payment of the full amount specified in the 'Payment for Forest Products' clause, the initial deposit will be immediately forfeited to the State, and will be offset against Purchaser's remaining balance due. Any excess initial deposit funds not needed to ensure full payment of the contract price, or not needed to complete any remaining

obligations of the Purchaser existing after contract expiration, will be refunded to the Purchaser.

P-024 Payment for Forest Products

Purchaser agrees to weigh all loads and pay the following rate per ton for forest products conveyed plus \$76,670.00 on day of sale and \$9.00 per ton upon removal in fees. Fees collected shall be retained by the state unless the contract is adjusted via the G-066 clause.

DATA MISSING

Species that are conveyed but are not listed in the table above shall be paid for at a rate to be determined by the State.

P-027 Payment for Removal of Optional Forest Products

Purchaser agrees to weigh all loads and pay the rate of \$2.00 per ton for forest products approved for removal from the sale area under clause H-157.

P-040 Weighing and Scaling Costs

Purchaser agrees to pay for all scaling and weighing costs for logs and other products sold under this contract. Purchaser also agrees to pay for all costs associated with the transmission and reporting of scale or weight data.

P-045 Guarantee of Payment

Purchaser will pay for forest products prior to cutting or will guarantee payment by posting an approved payment security. The amount of cash or payment security shall be determined by the State and shall equal or exceed the value of the cutting proposed by Purchaser.

P-052 Payment Procedure

If a third party Log and Load Reporting Service (LLRS) is required by this contract the State will compute and forward to the Purchaser statements of charges provided for in the contract. Purchaser shall deliver payment to the South Puget Sound region office on or before the date shown on the billing statement.

If a third party LLRS is not required by this contract, Purchaser shall pay for forest products removed on a monthly basis. Payments will be submitted to the office listed above on or before the fourteenth of the month following the month in which the timber was removed or, according to an alternate payment schedule as approved by the State with at least one payment each month for timber removed. The alternate payment schedule, once approved by the State, shall become part of this contract and may be changed only with written approval of the State.

Payment will be based on the contract rate multiplied by the tons (tonnage contracts) or volume (mbf contracts) removed during the month or payment period. Included with the payment will be a summary report along with all related load tickets and the corresponding certified weight tickets for the payment period. The summary report

will be generated using a computer spreadsheet and list the load tickets in ascending numerical order with the corresponding ticket number and weight or volume for each load.

P-070 Payment for Products: Damage, Theft, Loss, or Mismatch

Forest products included in this agreement which are destroyed, damaged, stolen, lost, or mismatched shall be paid for by Purchaser on demand of the State. The rates contained in clause P-024 shall apply.

P-080 Payment Account Refund

Advance payments made under P-045 or P-045.2 remaining on account above the value for the charges shall be returned to Purchaser within 30 days following the final report of charges. Refunds not made within the 30 day period will accrue interest at the interest rate, as established by WAC 332-100-030, computed on a daily basis until paid.

P-090 Performance Security

Purchaser agrees to furnish, within 30 days of the confirmation date, security acceptable to the State in the amount of \$100,000.00. The Security provided shall guarantee performance of all provisions of this contract and payment of any damages caused by operations under this contract or resulting from Purchaser's noncompliance with any rule or law. Acceptable performance security may be in the form of a performance bond, irrevocable letter of credit, cash, savings or certificate of deposit account assignments, and must name the State as the obligee or beneficiary. A letter of credit must comply with Title 62A RCW, Article 5. Performance security must remain in full force over the duration of the contract length. Surety bonds issued shall conform to the issuance and rating requirements in clause G-150. The State shall retain the performance security pursuant to RCW 79.15.100. Purchaser shall not operate unless the performance security has been accepted by the State. If at any time the State decides that the security document or amount has become unsatisfactory, Purchaser agrees to suspend operations and, within 30 days of notification, to replace the security with one acceptable to the State or to supplement the amount of the existing security.

P-100 Performance Security Reduction

The State may reduce the performance security after an operating release has been issued if the State determines that adequate security exists for any remaining obligations of Purchaser.

Section L: Log Definitions and Accountability

L-060 Load Tickets

Purchaser shall complete and use load tickets as directed by the Contract Administrator and, if required, use other identification as directed by the State to ensure accounting of forest products removed from the sale area. A load ticket must be fixed, as designated by the Contract Administrator, to each truck and trailer load prior to leaving the landing.

Purchaser shall account for all load tickets issued by the Contract Administrator and return unused tickets at termination of the contract, or as otherwise required by the

Contract Administrator. Unused tickets not returned shall be subject to liquidated damages per clause D-030.

The State may also treat load tickets either not accounted for or not returned as lost forest products per clause P-070. All costs associated with computing the billings for lost forest products shall be borne by Purchaser

L-071 Log and Load Reporting Service

This contract requires the use of a State approved third party Log and Load Reporting Service (LLRS). Purchaser shall ensure log volume measurement data and/or load and weight data is received by the LLRS within 1 business day of logs being measured or weighed. Purchaser agrees to pay the LLRS for log and load data supplied to the State.

If during the term of this contract, the State discontinues use of the LLRS, the State will notify the Purchaser in writing and the Purchaser will then be responsible to send log scale and/or weight information to the State.

L-110 State Approval of Log Scaling and Weighing Locations

Forest Product measurement and weighing facilities required by this contract must be approved by the State. Forest products sold under the contract which require log scaling shall be scaled, measured, or counted by a State approved third party log scaling organization. Forest products sold under the contract which require weighing shall be weighed at a location that meets Washington State Department of Agriculture approval.

Prior to forest products being hauled, the Contract Administrator must authorize in writing the use of State approved measurement and/or weighing facilities that are at or enroute to final destinations. Forest products from this sale shall be measured or weighed at facilities, which are currently approved for use by the State and are currently authorized for this sale. The State reserves the right to verify load volume and weights with State employees or contractors at the State's own expense. The State reserves the right to revoke the authorization of previously approved measurement locations.

Section H: Harvesting Operations

H-001 Operations Outside the Sale Boundaries

No operations shall occur outside the sale boundaries, as described within the contract, unless approved in writing by the State.

H-011 Certification of Fallers and Yarder Operators

All persons engaged in the felling and yarding of timber must receive certification in writing from the Contract Administrator. Certification may be revoked when the Contract Administrator determines that non-compliance of leave tree selection criteria or cut tree selection criteria is occurring, or excessive damage to leave trees or skid trails is occurring.

Excessive damage for leave trees is defined in clause H-012.
Excessive damage for reserve trees is defined in clause H-013.

Excessive skid trail damage is defined in clause H-015 or H-016.
When leave tree damage exceeds the limits set forth in clause H-012,
Purchaser shall be subject to liquidated damages (clause D-040)
When reserve tree damage exceeds the limits set forth in clause H-013,
Purchaser shall be subject to liquidated damages (clause D-041).

H-012 Leave Tree Damage Definition

Leave trees are trees required for retention within the sale boundary. Purchaser shall protect leave trees from being cut, damaged, or removed during operations.

Leave tree damage exists when more than 5 percent of the leave trees are damaged in a unit and when one or more of the following criteria occur as a result of Purchaser's operation, as determined by the Contract Administrator:

- a. A leave tree has one or more scars on its trunk exposing the cambium layer, which in total exceeds 144 square inches.
- b. A leave tree top is broken or the live crown ratio is reduced below 30 percent.
- c. A leave tree has more than 1/3 of the circumference of its root system injured such that the cambium layer is exposed.

If the Contract Administrator determines that a leave tree has been cut or damaged, the Purchaser may be required to pay liquidated damages for Excessive Leave Tree Damage as detailed in clause D-040.

H-013 Reserve Tree Damage Definition

Reserve trees are trees required and designated for retention within the sale boundary. Purchaser shall protect reserve trees from being cut, damaged, or removed during operations.

Reserve tree damage exists when one or more of the following criteria occur as a result of Purchaser's operation, as determined by the Contract Administrator:

- a. A reserve tree has one or more scars on its trunk exposing the cambium layer, which in total exceeds 144 square inches.
- b. A reserve tree top is broken or the live crown ratio is reduced below 30 percent.
- c. A reserve tree has more than 1/3 of the circumference of its root system injured such that the cambium layer is exposed.

If the Contract Administrator determines that a reserve tree has been cut or damaged, the Purchaser shall provide a replacement reserve tree of like condition, size, and species within the sale unit containing the damaged leave tree, as approved by the

Contract Administrator. Purchaser may be required to pay liquidated damages for Excessive Reserve Tree Damage as detailed in clause D-041.

Removal of designated reserve trees from the sale area is unauthorized, and may invoke the use of the G-230 'Unauthorized Activity' clause. Purchaser is required to leave all cut or damaged reserve trees on site.

H-015 Skid Trail Requirements

A skid trail is defined as an area that is used for more than three passes by any equipment.

Purchaser shall comply with the following during the yarding operation:

- a. Skid trails will not exceed 15 feet in width, including rub trees.
- b. Skid trails shall not cover more than 10 percent of the total acreage on one unit.
- c. Skid trail location will be pre-approved by the Contract Administrator.
- d. Except for rub trees, skid trails shall be felled and yarded prior to the felling of adjacent timber.
- e. Rub trees shall be left standing until all timber tributary to the skid trail has been removed.
- f. Excessive soil damage is not permitted. Excessive soil damage is described in clause H-017.
- g. Skid trails will be water barred at the time of completion of yarding, if required by the Contract Administrator.

Purchaser shall not deviate from the requirements set forth in this clause without prior written approval from the Contract Administrator.

H-017 Preventing Excessive Soil Disturbance

Operations may be suspended when soil rutting exceeds 12 inches as measured from the natural ground line. To reduce soil damage, the Contract Administrator may require water bars to be constructed, grass seed to be placed on exposed soils, or other mitigation measures. Suspended operations shall not resume unless approval to do so has been given, in writing, by the Contract Administrator.

H-025 Timing Requirements for Timber Removal

All merchantable timber must be removed within 30 days of being felled.

H-030 Timber Falling

Trees shall be felled and logs shall be bucked to obtain the greatest practicable utilization of forest products and other valuable materials conveyed.

H-035 Fall Trees Into Sale Area

Trees shall be felled into the sale area unless otherwise approved by the Contract Administrator.

H-040 Purchaser Harvest Plan

Purchaser shall, as part of the plan of operations, prepare an acceptable harvest plan for entire sale area. The plan shall address the harvest schedule for both VRH and thinning units and certification areas for fallers per Schedule B, which are part(s) of this contract. The harvest plan shall be approved by the Contract Administrator prior to beginning the harvest operation. Purchaser shall not deviate from the harvest plan without prior written approval by the Contract Administrator.

H-052 Branding and Painting

Forest products shall be branded with a brand furnished by the State prior to removal from the landing. All purchased timber shall be branded in a manner that meets the requirements of WAC 240-15-030(2)(a)(i). All timber purchased under a contract designated as export restricted shall also be painted in a manner that meets the requirements of WAC 240-15-030(2)(a)(ii).

For pulp loads purchased under a contract designated as export restricted, Purchaser shall brand at least 3 logs with legible brands at one end. Also, 10 logs shall be painted at one end with durable red paint.

H-080 Snags Not to be Felled

Snags not required to be felled for safety reasons may be left standing. Snags felled for safety reasons shall not be removed and must remain where felled.

H-110 Stump Height

Trees shall be cut as close to the ground as practicable. Stump height shall not exceed 12 inches in height measured on the uphill side, or 2 inches above the root collar, whichever is higher.

H-120 Harvesting Equipment

Forest products sold under this contract shall be harvested and removed using ground based equipment. Self-leveling equipment is limited to sustained slopes of 65 percent or less, with all other tracked ground based equipment limited to sustained slopes of 45 percent or less. Authority to use other equipment or to operate outside the equipment specifications detailed above must be approved in writing by the State.

H-126 Tailholds on State Land

If Purchaser tailholds on State land, methods to minimize damage to live trees outside the sale area shall be employed and must be approved in writing by the Contract Administrator.

H-130 Hauling Schedule

The hauling of forest products will not be permitted on all roads from November 1 to April 30 nor on weekends, or State recognized holidays unless authorized in writing by the Contract Administrator.

H-140 Special Harvest Requirements

Purchaser shall accomplish the following during the harvest operations:

- A. Equipment limitation zones are required within 30 feet of Type 5 streams.
- B. Crossings of Type 5 streams may be allowed at locations approved in writing by the Contract Administrator. Purchaser shall place a culvert or log puncheon at crossing locations (when water is present) to protect the stream bank and prevent sedimentation. All materials placed in and/or over the stream at these crossings shall be removed immediately upon completion of yarding on that skid trail.
- C. Existing downed trees or logs dead for more than 5 years yarded to the landing shall be returned to their original locations.
- D. Any and all operations associated with this sale may be temporarily suspended when, in the opinion of the Contract Administrator, there is the potential for delivery to typed water.
- E. Assumes responsibility for any county road use permits and for all costs associated with permits and extra maintenance or repair levied by a county for any county road used by the Purchaser.
- F. Notify all employees and contractors working on this sale that any danger tree marked or unmarked may be felled. Any marked danger tree will be replaced with a suitable tree of similar size and species as approved by the Contract Administrator.
- G. No equipment shall operate within 25 feet of the white "Timber Sale Boundary" tags with the exception of designated road or skid trail crossings, which must be pre-approved by the Contract Administrator.
- H. Within shovel logging areas, and when yarding and loading operations are occurring simultaneously, an additional shovel will be required for loading to avoid extra trips to the landing.
- I. Landings shall be constructed in locations, and with drainage, that does not contribute sediment to typed water.
- J. Take measures throughout operations to control soil erosion, water channelization, and prevent sediment delivery to streams or wetlands. Methods may include construction of water bars, "sweeping" with logs, silt traps, or other measures on skid trails, yarding corridors, landings, and haul roads.

K. Not have more than two skid trails open to active skidding at any one time.

L. Skid trail closure shall occur immediately upon completion of yarding all tributary timber. Closure shall consist of creating plantable spots at approximately 11.5 foot by 11.5 foot spacing to facilitate reforestation and creating water bars or other methods as directed by the Contract Administrator to prevent water accumulation and sediment movement.

M. In the event operations become inactive for long periods of time, skid trails shall be water barred prior to completion of yarding tributary timber, and drainage from landings improved, to prevent water accumulation and sediment movement, if required by the Contract Administrator.

N. Once a skid trail is closed, the Purchaser shall not reopen a skid trail unless approved in writing by the Contract Administrator.

Permission to do otherwise must be granted in writing by the Contract Administrator.

H-141 Additional Harvest Requirements

Purchaser shall accomplish the following during the harvest operations:

A. Leave 2 down logs per acre in VRH Units #1 - #6. A log is defined as having a minimum diameter of 12 inches on the small end of the log and a minimum length of 20 feet or at least 100 board feet.

B. Locations inside the sale boundary that are identified as Non-Tradeable Leave Trees marked with yellow Leave Tree Area tags as shown on the Timber Sale and Logging Plan Maps in VRH Units #3 and #6. Inside these non-tradeable leave tree areas, no trees may be used as tailholds and no equipment may operate within, nor logs felled into or yarded through or over.

C. No equipment may operate within, nor logs yarded through or over, leave tree clumps marked with yellow leave tree area tags in VRH Units #3 and #6.

Permission to do otherwise must be granted in writing by the State.

H-150 Required Removal of Forest Products

Purchaser shall remove from the sale area and present for scaling or weighing all forest products conveyed in the G-010 clause that meet the following minimum dimensions:

Species	Net bd ft	Log length (ft)	Log dib
All	10	12	5

The State may treat failure to remove forest products left on the sale area that meet the above specifications as a breach of this contract. At the State's option, forest products that meet the above specifications and are left on the sale area may be scaled for volume or measured and converted to weight by the State or a third party scaling organization and billed to Purchaser at the contract payment rate. All costs associated with scaling, measuring and computing the billing will be borne by the Purchaser.

H-157 Optional Removal of Forest Products Not Designated

If in the course of operations, Purchaser decides to remove forest products that are below the minimum designated removal specifications per the 'Required Removal of Forest Products' (H-150), the payment rates in clause P-027 shall apply.

Forest products designated as optional shall be decked separately from forest products designated as required for removal. Prior to removal from the sale area, optional forest products as described in this clause must be inspected and approved by the Contract Administrator. Optional forest products may not be mixed with forest products that are required for removal by this contract and shall be removed from the sale area in separate truck loads using load tickets specified by the Contract Administrator.

All material removed under this clause is subject to the same log and load accountability rules as defined in the Log Definitions and Accountability section of this contract. Purchaser shall follow the payment procedures as required in the P-052 clause and will submit a separate summary report for all forest products removed from the sale area under the authority of this clause.

H-160 Mismatch

Mismatch is defined as forest products remaining on the sale area that would have met the specifications in clause H-150 if bucking lengths had been varied to include such products.

The State may treat mismatch as a breach of this contract. At the State's option, forest products that are left on the sale area may be scaled for volume by the State or a third party scaling organization and billed to Purchaser at the contract payment rate. All costs associated with scaling and computing the billing will be borne by Purchaser.

H-180 Removal of Specialized Forest Products or Firewood

Prior to the removal of conveyed specialized forest products or firewood from the sale area, Purchaser and the State shall agree in writing to the method of accounting for/and removal of such products.

H-190 Completion of Settings

Operations begun on any setting of the sale area shall be completed before any operation begins on subsequent settings unless authorized in writing by the Contract Administrator.

H-220 Protection of Residual or Adjacent Trees

Unless otherwise specified by this contract, the Contract Administrator shall identify damaged adjacent or leave trees that shall be paid for according to clause G-230.

H-230 Tops and Limbs Outside the Sale Boundary

Tops and limbs outside the sale boundary as a result of Purchaser's operation shall be removed concurrently with the yarding operation unless otherwise directed by the Contract Administrator.

H-250 Additional Falling Requirements

Within Units #1 - #6, all vine maple stems greater than 6 feet in height, shall be felled leaving a stump no more than 12 inches in height. Areas of young or immature timber may be excluded from this requirement by the Contract Administrator.

Section C: Construction and Maintenance**C-040 Road Plan**

Road construction and associated work provisions of the Road Plan for this sale, dated 6/1/2024 are hereby made a part of this contract.

C-050 Purchaser Road Maintenance and Repair

Purchaser shall perform work at their own expense on all roads used. All work shall be completed to the specifications detailed in the Road Plan.

C-080 Landing Locations Approved Prior to Construction

Landings shall be marked by Purchaser and approved by the Contract Administrator prior to construction.

C-090 Landing Location

Landings shall be built at least 50 feet off the 5000, 5600, 6000, 6100, 6110, and 6120 road(s).

C-140 Water Bars

Purchaser shall, as directed by the Contract Administrator, construct water bars across haul roads, skid trails and fire trails as necessary to control soil erosion and water pollution.

Section S: Site Preparation and Protection**S-001 Emergency Response Plan**

An Emergency Response Plan (ERP) shall be provided to the Contract Administrator containing but not limited to, valid contact numbers and procedures for medical emergencies, fire, hazardous spills, forest practice violations and any unauthorized or unlawful activity on or in the vicinity of the sale area. The Contract Administrator and the State shall be promptly notified whenever an incident occurs requiring an emergency response.

The ERP must be presented for inspection at the prework meeting and kept readily available to all personnel, including subcontractors, on site during active operations.

S-010 Fire Hazardous Conditions

Purchaser acknowledges that operations under this Contract may increase the risk of fire. Purchaser shall conduct all operations under this agreement following the requirements of WAC 332-24-005 and WAC 332-24-405 and further agrees to use the highest degree of care to prevent uncontrolled fires from starting.

In the event of an uncontrolled fire, Purchaser agrees to provide equipment and personnel working at the site to safely and effectively engage in first response fire suppression activity.

Purchaser's failure to effectively engage in fire-safe operations is considered a breach and may result in suspension of operations.

S-030 Landing Debris Clean Up

Landing debris shall be disposed of in a manner approved in writing by the Contract Administrator.

S-035 Logging Debris Clean Up

Slash and debris created from harvest activities shall be treated in a manner approved in writing by the Contract Administrator.

S-050 Cessation of Operations for Low Humidity

When the humidity is 30 percent or lower on the sale area, all operations must cease unless authority to continue is granted by the State in writing.

S-060 Pump Truck or Pump Trailer

Purchaser shall provide a fully functional pump truck or pump trailer equipped to meet the specifications of WAC 332-24-005 and WAC 332-24-405 during the "closed season" or as extended by the State and shall provide trained personnel to operate this equipment on the sale area during all operating periods.

S-100 Stream Cleanout

Slash or debris which enters any stream, other than trees designated for downed woody debris associated with RMZ Thin Units #7-#14 as a result of operations under this contract and which is identified by the Contract Administrator shall be removed and deposited in a stable position. Removal of slash or debris shall be accomplished in a manner that avoids damage to the natural stream bed and bank vegetation.

S-110 Resource Protection

No equipment may operate within Riparian or Wetland Management Zones that are not associated with RMZ Thin Units #7-#14 unless authority is granted in writing by the Contract Administrator.

S-120 Stream Protection

No timber shall be felled into, across, or yarded through any stream that is not a Type 5 stream, other than trees designated for downed woody debris associated with RMZ Thin Units #7-#14.

S-130 Hazardous Materials

a. Hazardous Materials and Waste - Regulatory Compliance

Purchaser is responsible for understanding and complying with all applicable local, state, and federal hazardous material/waste laws and regulations for operations conducted under this contract. Such regulations pertain to, but may not be limited to, hazardous material storage, handling and transport, personnel protection, release notification and emergency response, cleanup, and waste disposal.

Purchaser shall be responsible for restoring the site in the event of a spill or other releases of hazardous material/waste during operations conducted under this contract.

b. Hazardous Materials Spill Prevention

All operations shall be conducted in a manner that avoids the release of hazardous materials, including petroleum products, into the environment (water, air or land).

c. Hazardous Materials Spill Containment, Control and Cleanup

If safe to do so, Purchaser shall take immediate action to contain and control all hazardous material spills. Purchaser shall ensure that enough quick response spill kits capable of absorbing 10 gallons of oil, coolant, solvent or contaminated water are available on site to quickly address potential spills from any piece of equipment at all times throughout active operations. If large quantities of bulk fuel/other hazardous materials are stored on site, Purchaser must be able to effectively control a container leak and contain & recover a hazmat spill equal to the largest single on site storage container volume. (HAZWOPER reg. 29CFR 1910.120 (j) (1) (vii)).

d. Hazardous Material Release Reporting

Releases of oil or hazardous materials to the environment must be reported according to the State Department of Ecology (ECY). It is the responsibility of the Purchaser to have all emergency contact information readily available and a means of remote communication for purposes of quick notification. In the event of a spill covered in part a., the Purchaser is responsible for immediately notifying all the following:

- Department of Emergency Management at 1-800-258-5990
- National Response Center at 1-800-424-8802
- Appropriate Department of Ecology (ECY) at 1-800-645-7911
- DNR Contract Administrator

S-131 Refuse Disposal

As required by RCW 70.93, All Purchaser generated refuse shall be removed from state lands for proper disposal prior to termination of this contract. No refuse shall be burned, buried or abandoned on state forest lands. All refuse shall be transported in a manner such that it is in compliance with RCW 70.93 and all loads or loose materials shall be covered/secured such that these waste materials are properly contained during transport.

Section D: Damages

D-010 Liquidated Damages

The clauses in the DAMAGES section of this contract provide for payments by Purchaser to the State for certain breaches of the terms of this contract. These payments are agreed to as liquidated damages and not as penalties. They are reasonable estimates of anticipated harm to the State caused by Purchaser's breach. These liquidated damages provisions are agreed to by the State and Purchaser with the understanding of the difficulty of proving loss and the inconvenience or infeasibility of obtaining an adequate remedy. These liquidated damages provisions provide greater certainty for the Purchaser by allowing the Purchaser to better assess its responsibilities under the contract.

D-021 Failure to Remove Forest Products

Purchaser's failure to remove all or part of the forest products sold in this agreement prior to the expiration of the contract term results in substantial injury to the State. The value of the forest products sold at the time of breach is not readily ascertainable. Purchaser's failure to perform disrupts the State's management plans, the actual cost of which is difficult to assess. A resale involves additional time and expense and is not an adequate remedy. Therefore, Purchaser agrees to pay the State as liquidated damages a sum calculated using the following formula:

$$LD = .35V-ID-P+C+A$$

Where:

LD = Liquidated Damage value.

V = The unremoved value at the date of breach of contract. The value is determined by subtracting the removal tonnage to date from the cruised tonnage multiplied by the contract bid rates.

ID = Initial Deposit paid at date of contract that has not been applied to timber payments.

- P = Advance payments received but not yet applied to specific contract requirements.
- C = Charges assessed for contract requirements completed prior to breach of contract but not paid for.
- A = Administrative Fee = \$2,500.00.

The above formula reflects the Purchaser's forfeiture of the initial deposit in accordance with clause P-010 by deducting the initial deposit from the amount owed. In no event shall the liquidated damages be less than zero. Interest on the liquidated damage is owed from the date of breach until final payment, calculated using the following formula: $\text{Interest} = r \times \text{LD} \times N$.

Where:

- r = daily equivalent of an annual interest at current interest rate as established by WAC 332-100-030.
- LD = Liquidated damage value.
- N = Number of days from date of breach to date payment is received.

D-030 Inadequate Log Accountability

Removal of forest products from the sale area without adequate branding and/or valid load tickets attached to the load and scaling forest products in a location other than the facility approved by the State can result in substantial injury to the State. Failure to properly account for loads and scaling and/or weighing information can result in loss to the State. The potential loss from not having proper branding, ticketing, scaling and/or weighing location and accountability is not readily ascertainable. Purchaser's failure to perform results in a loss of log weight and scale accountability, increases the potential for unauthorized removal of forest products, and increases the State's administration costs, the actual costs of which are difficult to assess.

Enforcement actions for unauthorized removal of forest products for each improperly branded load, improperly ticketed load, lost or unaccounted for tickets, or use of a facility not authorized for this sale or improper submission of scaling data are impractical, expensive, time consuming and are not an adequate remedy. Therefore, Purchaser agrees to pay the State, as liquidated damages, a sum of \$100 each time a load of logs does not have branding as required in the contract, \$250 each time a load of logs does not have a load ticket as required by the contract, \$250 each time a load ticket has not been filled out as required by the plan of operations, \$250 each time a load is weighed or scaled at a location not approved as required under this contract, \$250 each time a log ticket summary report is not submitted properly, and if a third party Log and Load Reporting Service is required, \$250 each time scaling or weight data is not properly submitted to the Log and Load Reporting Service per clause L-071, and \$250 each unused ticket that is not returned to the State, for any reason.

D-040 Leave Tree Excessive Damage

When Purchaser's operations exceed the damage limits set forth in clause H-012, Leave Tree Damage Definition, the trees damaged result in substantial injury to the State. The value of the damaged leave trees at the time of the breach is not readily ascertainable. Therefore, Purchaser agrees to pay the State as liquidated damages at the rate of \$1,000.00 per tree for all damaged trees in Units #7-#13.

D-041 Reserve Tree Excessive Damage

When Purchaser's operations exceed the damage limits set forth in clause H-013, Reserve Tree Damage Definition, and when the Contract Administrator determines that a suitable replacement for a damaged reserve tree is not possible, the damaged trees result in substantial injury to the State. The value of the damaged reserve trees at the time of the breach is not readily ascertainable. Therefore, the Purchaser agrees to pay the State as liquidated damages at the rate of \$1,000.00 per tree for all damaged reserve trees that are not replaced in VRH Units #1-#6.

SIGNATURES

This agreement may be executed in any number of counterparts (including by electronic mail in portable document format (.pdf), or by facsimile) each of which shall be deemed an original but all of which, when taken together, shall constitute one and the same Agreement binding on all parties.

IN WITNESS WHEREOF, the Parties hereto have entered into this contract.

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

Purchaser

Print Name

Don Melton
South Puget Sound Region Manager

Date: _____
Address: _____

Date: _____

CORPORATE ACKNOWLEDGEMENT
(Required for both LLC and Inc. Entities)

STATE OF _____)

COUNTY OF _____)

On this _____ day of _____, 20____, before me personally appeared _____

_____ to me known to be the _____ of the corporation that executed the within and foregoing instrument and acknowledged said instrument to be the free and voluntary act and deed of the corporation, for the uses and purposes therein mentioned, and on oath stated that (he/she was) (they were) authorized to execute said instrument.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

Notary Public in and for the State of

My appointment expires _____

Schedule A
Recreation Trail Clean Out and Repair

This schedule applies to Return Policy Connector Trail located within Units #3, #6, #11, and #14 and Trail C located within Units #3, #5, #12, #13 and #14.

Purchaser is responsible for closing trails with orange construction barricade netting and posting trail closure signs provided by DNR, at designated locations provided by the Contract Administrator (CA). Purchaser is responsible for giving five (5) calendar days notice before closing the trail.

Purchaser is responsible for locating and marking the recreation trail within the sale boundary on the ground prior to harvest as approved by the CA.

- If needed upon completion of harvest activities, Purchaser shall locate the original recreation trail with pink fluorescent flagging. The CA will then approve the trail location in writing and repair/clean out can begin.
- The CA map requires cleanout of the trail prior to completion of harvest, if there is a delay in harvesting operations.

Recreation trail repair/clean out shall occur within 2 weeks of completion of harvest activity within 200 feet of the trail and shall consist of the following:

- Remove all logging debris from the recreation trail and the area on each side of the trail within 5 feet of the travel path.
- Trail will be repaired where holes or ruts resulted due to logging damage. The trail will be returned to its original width on mineral soils and free of organic debris.
- Existing drainage control measures shall be returned to pre-harvest condition. Any Geoweb structures damaged during the logging operation will be replaced or repaired to pre-harvest condition.

Purchaser shall take caution to avoid damage to recreation trail bridges within and adjacent to Units #3, #6, and #14 by directionally felling trees away from the bridges.

All work described above shall be done as determined by the CA. The logging release for the unit will not be issued until repair and clean out is completed and approved in writing by the CA.

Schedule B
RMZ Thinning Prescription - Units #7-#14

Harvest Prescription:

The harvest is a variable density thinning of the existing stand to achieve the residual targets below for both trees per acre (TPA) and basal area (BA).

Unit #	Residual Target TPA	Residual Target BA (square feet)	Max DBH allowed to cut
7	106	149	16"
8	135	138	16"
9	111	129	16"
10	104	151	16"
11	152	133	16"
12	152	133	16"
13	118	145	16"
14	118	145	16"

- The residual targets for TPA and BA are required; the Purchaser shall remove trees to achieve both these targets.
- Only live trees six (6) inches and greater in DBH shall count towards the targets.
- The residual TPA and BA targets are an average at the unit level.
- In any given area, the residual TPA shall not vary by more than 20, and the BA shall not vary by more than 20 square feet, above or below the residual target listed above.
- Trees identified for structure creation shall not count towards residual TPA and BA targets.

Leave Tree Selection Criteria:

The Purchaser shall select leave trees from the dominant and co-dominant canopy by comparing each tree with other trees in the stand, first by using species preference, then by form preference listed below.

Species preference (in descending order of priority)

- 1) western redcedar
- 2) Sitka spruce
- 3) Douglas-fir
- 4) western hemlock
- 5) red alder
- 6) Pacific silver fir

Form preference (in descending order of priority)

- 1) Free of disease & major damage
- 2) Structurally unique trees (fork tops, butt swell, spike knots, etc.)
- 3) Largest diameter
- 4) Fullest and most vigorous crown
- 5) Tallest height

Certification:

The Contract Administrator will approve and certify in writing all persons engaged in selection of leave trees or felling of timber prior to cutting operations, per clause H-011.

Equipment Restriction:

No equipment shall operate within 25 feet of the white timber sale boundary tags.

Structure Creation:

In Units #7-#14, the Purchaser shall enhance habitat by creating structure trees as part of the DNR's Riparian Forest Restoration Strategy (RFRS). Trees are marked for down woody debris.

Down woody debris (DWD) creation

Trees designated for DWD creation are marked with 1 band of red paint at a rate of five (5) trees per thinned RMZ acre. These trees are to be felled towards the stream, into the stream where feasible.

For any tree that is marked for creation of DWD, the faller has the authority to make the below modifications for safety. If any modifications for safety are made, the Purchaser shall notify the Contract Administrator.

- If unsafe to fall the tree, the tree may be traded for another nearby tree of similar species and size for falling as DWD towards stream.
- If unsafe to fall the tree towards the stream, the tree may be felled in another safer direction.
- Contract clause H-110 does not apply to DWD in these units; trees may be felled using any stump height that accommodates safe falling practices.



WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES

FOREST EXCISE TAX ROAD SUMMARY SHEET

Region:

Timber Sale Name:

Application Number:

EXCISE TAX APPLICABLE ACTIVITIES

Construction: **linear feet**
Road to be constructed (optional and required) but not abandoned

Reconstruction: **linear feet**
Road to be reconstructed (optional and required) but not abandoned

Abandonment: **linear feet**
Abandonment of existing roads not reconstructed under the contract

Decommission: **linear feet**
Road to be made undriveable but not officially abandoned.

Pre-Haul Maintenance: **linear feet**
Existing road to receive maintenance work (optional and required) prior to haul

EXCISE TAX EXEMPT ACTIVITIES

Temporary Construction: **linear feet**
Roads to be constructed (optional and required) and then abandoned

Temporary Reconstruction: **linear feet**
Roads to be reconstructed (optional and required) and then abandoned

All parties must make their own assessment of the taxable or non-taxable status of any work performed under the timber sale contract. The Department of Revenue bears responsibility for determining forest road excise taxes. The Department of Natural Resources developed this form to help estimate the impact of forest excise taxes. However, the information provided may not precisely calculate the actual amount of taxes due. The Department of Revenue is available for consultation by calling 1.800.548.8829.

(Revised 9/18)

PRE-CRUISE NARRATIVE

Sale Name: Brewed Awakening VRH and RMZ Thin	Region: South Puget Sound
Agreement #: 30-0104865	District: Rainier
Contact Forester: Quinn Bosselman	Phone/ Location: (360)-480-1641 Ext: /
Alternate Contact: Paul Footen	Phone/ Location: (425)-736-1708 Ext: /

Type of Sale (lump sum, mbf scale, tonnage scale or contract harvest): **Tonnage Scale**

Required or Optional removal of utility as pulp (*for scale sales only*):

Evaluated for RFRS Implementation?: **Yes**

Percentage cable-uphill: **0%**

Percentage cable-downhill: **0%**

Percentage ground based: **100%**

7Species Onsite: RC, DF, WH, RA, BC, BLM, NF, SF, SS, Other:(Please List)

UNIT ACREAGES* AND METHOD OF DETERMINATION:

Unit # Harvest R/W or RMZ WMZ	Legal Description Sec/Twp/Rng	Grant	Gross Traversed Acres	Deductions from Gross Acres (No harvest acres)				Net Harvest Acres	Acreage Determination (List method, dimensions and error of closure if applicable)
				RMZ/ WMZ Acres	Leave Tree Acres	Existing Road Acres	Other Acres (describe)		
VRH U1	Sec 24/ T 23N/ R 07 E	77	10.3		0.8	1.2		8.3	Garmin GPS Length x 73.5'/43560
VRH U2	Sec 24/ T 23N/ R 07 E	77	11.2		1.0	0.3		9.9	Garmin GPS Length x 73.5'/43560
VRH U3	Sec 24,25/T 23N/R 07 E	3, 77	88.2		4.9	2.1		81.2	Garmin GPS Length x 16'/43560
VRH U4	Sec 24/ T 23N/ R 07 E Sec 19/ T 23N/ R 08 E	3, 77	2.6		0.2	0.0		2.4	Garmin GPS
VRH U5	Sec 24,25/T 23N/R 07 E Sec 19,30/T 23N/R 08 E	3, 77	11.3		0.3	0.1		10.9	Garmin GPS Length x 16'/43560
VRH U6	Sec 25/ T 23N/ R 07 E	3	33.9		1.9	1.1		30.9	Garmin GPS Length x 73.5'/43560
RMZ U7	Sec 24/ T 23N/ R 07 E	77	2.3			0.1		2.2	Garmin GPS Length x 73.5'/43560
RMZ U8	Sec 24/ T 23N/ R 07 E	77	6.0			0.3		5.7	Garmin GPS Length x 73.5'/43560
RMZ U9	Sec 24/ T 23N/ R 07 E Sec 19/ T 23N/ R 08 E	3, 77	9.3			0.3		9.0	Garmin GPS Length x 73.5'/43560
RMZ U10	Sec 24/ T 23N/ R 07 E Sec 19/ T 23N/ R 08 E	3, 77	9.1			0.5		8.6	Garmin GPS Length x 73.5'/43560
RMZ U11	Sec 24,25/T 23N/R 07 E	3, 77	16.0			1.0		15.0	SEE REMARKS
RMZ U12	Sec 24,25/T 23N/R 07	3, 77	2.6			0.0		2.6	Garmin GPS
RMZ U13	Sec 25/T 23N/R 07 E Sec 30/T 23N/R 08 E	3, 77	2.0			0.1		1.9	Length x 16'/43560

RMZ U14	Sec 25/T 23N/R 07 E	3	4.2			0.0		4.2	Garmin GPS
TOTAL ACRES			209.0		9.1	7.1		192.8	

HARVEST PLAN AND SPECIAL CONDITIONS:

Unit #	Harvest Prescription: (Mark leave, take, paint color, tags, flagging etc.)	Special Management areas:	Other conditions (# leave trees, etc.) *For all marked thinnings, include a tree count by species.
VRH U1	-White "Timber Sale Boundary" Tags, Pink Flashers, Pink Flagging -Blue "Special Management Area" Tags, Pink Flashers, Pink Flagging -5000 Road -Yellow "Leave Tree Area" Tags, Pink Flashers, Pink Flagging, OR Single Band of Blue Paint		LTA – 89 Dispersed – 2 TOTAL – 91
VRH U2	-White "Timber Sale Boundary" Tags, Pink Flashers, Pink Flagging -Blue "Special Management Area" Tags, Pink Flashers, Pink Flagging -5000 Road -Yellow "Leave Tree Area" Tags, Pink Flashers, Pink Flagging, OR Single Band of Blue Paint		LTA – 103 Dispersed – 9 TOTAL – 112
VRH U3	-White "Timber Sale Boundary" Tags, Pink Flashers, Pink Flagging -Blue "Special Management Area" Tags, Pink Flashers, Pink Flagging -Yellow "Leave Tree Area" Tags, Pink Flashers, Pink Flagging, OR Single Band of Blue Paint		LTA – 718 Dispersed – 15 TOTAL – 733
VRH U4	-Blue "Special Management Area" Tags, Pink Flashers, Pink Flagging -5000 Road -Yellow "Leave Tree Area" Tags, Pink Flashers, Pink Flagging, OR Single Band of Blue Paint		LTA – 24 Dispersed – 0 TOTAL – 24
VRH U5	-White "Timber Sale Boundary" Tags, Pink Flashers, Pink Flagging -Blue "Special Management Area" Tags, Pink Flashers, Pink Flagging -6000 Road -Yellow "Leave Tree Area" Tags, Pink Flashers, Pink Flagging, OR Single Band of Blue Paint		LTA – 94 Dispersed – 0 TOTAL – 94
VRH U6	-White "Timber Sale Boundary" Tags, Pink Flashers, Pink Flagging -Blue "Special Management Area" Tags, Pink Flashers, Pink Flagging -5600 and 6000 roads -Yellow "Leave Tree Area" Tags, Pink Flashers, Pink Flagging, OR Single Band of Blue Paint		LTA – 289 Dispersed – 4 TOTAL – 293
RMZ U7	-Blue "Special Management Area" Tags, Pink Flashers, Pink Flagging -White "Timber Sale Boundary" Tags, Pink	See Prescription	N/A

	Flashers, Pink Flagging -5000 Road -Designated Down Wood: Single Band of Red Paint		
RMZ U8	-Blue "Special Management Area" Tags, Pink Flashers, Pink Flagging -White "Timber Sale Boundary" Tags, Pink Flashers, Pink Flagging -5000 Road -Designated Down Wood: Single Band of Red Paint	See Prescription	N/A
RMZ U9	-Blue "Special Management Area" Tags, Pink Flashers, Pink Flagging -White "Timber Sale Boundary" Tags, Pink Flashers, Pink Flagging -5000 Road -Designated Down Wood: Single Band of Red Paint	See Prescription	N/A
RMZ U10	-Blue "Special Management Area" Tags, Pink Flashers, Pink Flagging -White "Timber Sale Boundary" Tags, Pink Flashers, Pink Flagging -5000 Road -Designated Down Wood: Single Band of Red Paint	See Prescription	N/A
RMZ U11	-Blue "Special Management Area" Tags, Pink Flashers, Pink Flagging -White "Timber Sale Boundary" Tags, Pink Flashers, Pink Flagging -5000 Road -Designated Down Wood: Single Band of Red Paint	See Prescription	N/A
RMZ U12	-Blue "Special Management Area" Tags, Pink Flashers, Pink Flagging -White "Timber Sale Boundary" Tags, Pink Flashers, Pink Flagging -5000 Road -Designated Down Wood: Single Band of Red Paint	See Prescription	N/A
RMZ U13	-Blue "Special Management Area" Tags, Pink Flashers, Pink Flagging -White "Timber Sale Boundary" Tags, Pink Flashers, Pink Flagging -5000 Road -Designated Down Wood: Single Band of Red Paint	See Prescription	N/A
RMZ U14	-Blue "Special Management Area" Tags, Pink Flashers, Pink Flagging -White "Timber Sale Boundary" Tags, Pink Flashers, Pink Flagging	See Prescription	N/A

	-Designated Down Wood: Single Band of Red Paint		
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OTHER PRE-CRUISE INFORMATION:

Unit #	Estimated Volume	Access information (Gates, locks, etc.)	Photos, traverse maps required
VRH U1	See Cruise	Gate 832 – Master 786	
VRH U2	See Cruise	Gate 832 – Master 786	
VRH U3	See Cruise	Gate 832 – Master 786	
VRH U4	See Cruise	Gate 832 – Master 786	
VRH U5	See Cruise	Gate 832 – Master 786	
VRH U6	See Cruise	Gate 832 – Master 786	
RMZ U7	See Cruise	Gate 832 – Master 786	
RMZ U8	See Cruise	Gate 832 – Master 786	
RMZ U9	See Cruise	Gate 832 – Master 786	
RMZ U10	See Cruise	Gate 832 – Master 786	
RMZ U11	See Cruise	Gate 832 – Master 786	
RMZ U12	See Cruise	Gate 832 – Master 786	
RMZ U13	See Cruise	Gate 832 – Master 786	
RMZ U14	See Cruise	Gate 832 – Master 786	

REMARKS:

Road deductions use an average road prism width of 16', unless otherwise noted. Deductions are calculated using road length x width / 43560. 13VDT U11 has 371 feet of road at 73.5' wide, and 69 feet of road at 16' wide.

Units 2, 8, and 9 have had significant recent blow down. Please include in the cruise if possible.

Prepared By: Sara Shaw Date: 6/12/2024	Title: Forester	CC: Paul Footen
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Revised 2/23/2007 (PSLD), Revised 1/22/20 (SPS)

Timber Sale Cruise Report Brewed Awakening

Sale Name: BREWED AWAKENING VRH AND RMZ THIN

Sale Type: TONNAGE SCALE

Region: SO PUGET

District: RAINIER

Lead Cruiser: Aaron Coleman

Other Cruisers: Matt Llobet

Cruise Narrative:

This sale consists of 6 variable retention harvest (VRH) units, and 8 riparian management zone (RMZ) thinning units located off the 5000, 6000, 6100 roads in the Raging River State Forest. A 786 key is needed to access all units.

The primary species for this sale is:

Douglas-fir (89%) with an average diameter of 14 inches.

Western hemlock (9%) with an average diameter of 11 inches.

All units consist of relatively uniform third-growth DF, with a small WH component scattered throughout. Canopy openings and understory-brush present in pockets. A plethora of streams create edges of VRH/RMZ units; pay attention to boundaries and prescriptions. Access is good into all units. Units 7-14 to be thinned to RD 37 as outlined in "Schedule B."

Most commonly observed defect was broken/forked tops, spike knots and sweep.

Timber Sale Notice Volume (MBF)

Sp	DBH	Rings/In	Age	MBF Volume by Grade				
				All	2 Saw	3 Saw	4 Saw	Utility
DF	14.2	6.5		3,961	658	2,554	726	22
WH	11.5			398	45	237	116	
RA	12.2			112		7	104	
BC	18.6			34	34			
RC	20.0			5		3	1	
ALL	13.6	6.5		4,510	738	2,802	948	22

Timber Sale Notice Weight (tons)

Sp	Tons by Grade				
	All	2 Saw	3 Saw	4 Saw	Utility
DF	31,939	4,922	20,633	6,185	200
WH	3,502	354	2,160	988	
RA	879		55	824	
BC	274	274			
RC	44		33	11	

Tons by Grade					
Sp	All	2 Saw	3 Saw	4 Saw	Utility
ALL	36,638	5,550	22,881	8,008	200

Timber Sale Overall Cruise Statistics

BA (sq ft/acre)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR SE (%)	Net Vol (bf/acre)	Vol SE (%)
236.8	3.0	114.7	1.3	27,176	3.3

Timber Sale Unit Cruise Design

Unit	Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
BREWED AWAKENING U1	B1C: VR, 1 BAF (40) Measure/ Count Plots, Sighting Ht = 4.5 ft	8.3	10.3	7	4	0
BREWED AWAKENING U2	B1C: VR, 1 BAF (40) Measure/ Count Plots, Sighting Ht = 4.5 ft	9.9	11.2	8	4	0
BREWED AWAKENING U3	B1C: VR, 1 BAF (40) Measure/ Count Plots, Sighting Ht = 4.5 ft	81.2	88.2	49	27	0
BREWED AWAKENING U4	B1: VR, 1 BAF (40) Measure All, Sighting Ht = 4.5 ft	2.4	2.6	2	2	0
BREWED AWAKENING U5	B1C: VR, 1 BAF (40) Measure/ Count Plots, Sighting Ht = 4.5 ft	10.9	11.3	7	5	0
BREWED AWAKENING U6	B1C: VR, 1 BAF (46.94) Measure/ Count Plots, Sighting Ht = 4.5 ft	30.9	33.9	19	12	0
BREWED AWAKENING U7	B1: VR, 1 BAF (40) Measure All, Sighting Ht = 4.5 ft	2.2	2.3	2	2	0
BREWED AWAKENING U8	B1: VR, 1 BAF (40) Measure All, Sighting Ht = 4.5 ft	5.7	6.0	3	3	0
BREWED AWAKENING U9	B1: VR, 1 BAF (40) Measure All, Sighting Ht = 4.5 ft	9.0	9.3	5	5	0
BREWED AWAKENING U10	B1C: VR, 1 BAF (40) Measure/ Count Plots, Sighting Ht = 4.5 ft	8.6	9.1	5	5	0
BREWED AWAKENING U11	B1C: VR, 1 BAF (40) Measure/ Count Plots, Sighting Ht = 4.5 ft	15.0	16.0	7	4	0
BREWED AWAKENING U12	B1C: VR, 1 BAF (40) Measure/ Count Plots, Sighting Ht = 4.5 ft	2.6	2.6	3	2	0
BREWED AWAKENING U13	B1: VR, 1 BAF (40) Measure All, Sighting Ht = 4.5 ft	1.9	2.0	2	2	0
BREWED AWAKENING U14	B1C: VR, 1 BAF (40) Measure/ Count Plots, Sighting Ht = 4.5 ft	4.2	4.2	4	4	0
All		192.8	208.9	123	81	0

Timber Sale Log Grade x Sort Summary

Sp	Status	Grade	Sort	Dia	Len	BF Gross	BF Net	Defect %	Tons	MBF Net
BC	LIVE	2 SAW	Domestic	9.9	38	199	179	10.1	274.0	34.5
DF	LIVE	2 SAW	Domestic	13.0	35	3,387	3,342	1.3	4,817.4	644.4
DF	LIVE	2 SAW	HQ-B	12.6	40	72	72	0.0	104.3	13.8
DF	LIVE	3 SAW	Domestic	8.7	37	13,365	13,176	1.4	20,531.2	2,540.3
DF	LIVE	3 SAW	HQ-B	10.7	40	71	71	0.0	101.5	13.6
DF	LIVE	4 SAW	Domestic	5.5	28	3,789	3,766	0.6	6,184.7	726.1
DF	LIVE	CULL	Cull	12.2	4	23	0	100.0	0.0	0.0
DF	LIVE	UTILITY	Pulp	7.7	24	116	116	0.0	199.6	22.3
RA	LIVE	3 SAW	Domestic	11.2	30	38	38	0.0	55.1	7.4
RA	LIVE	4 SAW	Domestic	6.5	34	542	540	0.3	823.8	104.1
RA	LIVE	CULL	Cull	10.9	16	36	0	100.0	0.0	0.0
RC	LIVE	3 SAW	Domestic	12.9	36	21	18	13.6	33.1	3.4
RC	LIVE	4 SAW	Domestic	7.1	36	8	8	0.0	11.2	1.5
WH	LIVE	2 SAW	Domestic	14.0	34	240	233	3.1	354.0	44.9
WH	LIVE	3 SAW	Domestic	8.1	35	1,263	1,230	2.6	2,160.0	237.1
WH	LIVE	4 SAW	Domestic	5.4	27	603	603	0.1	988.2	116.2

Timber Sale Log Sort x Diameter Bin Summary

Sp	Bin	Status	Sort	Dia	Len	BF Net	Defect %	Tons	MBF Net
BC	5 - 7	LIVE	Domestic	6.1	40	25	12.5	36.8	4.7
BC	8 - 11	LIVE	Domestic	10.5	38	92	9.6	138.2	17.7
BC	12 - 15	LIVE	Domestic	13.9	40	62	9.9	99.0	12.0
DF	5 - 7	LIVE	Domestic	5.8	31	6,656	0.4	10,956.1	1,283.3
DF	5 - 7	LIVE	Pulp	6.3	29	56	0.0	102.7	10.8
DF	8 - 11	LIVE	Pulp	8.7	23	60	0.0	96.8	11.5
DF	8 - 11	LIVE	Cull	9.6	8	0	100.0	0.0	0.0
DF	8 - 11	LIVE	Domestic	9.6	37	10,174	1.7	15,579.3	1,961.5
DF	8 - 11	LIVE	HQ-B	10.7	40	71	0.0	101.5	13.6
DF	12 - 15	LIVE	HQ-B	12.6	40	72	0.0	104.3	13.8
DF	12 - 15	LIVE	Domestic	12.9	36	3,399	1.7	4,926.9	655.4
DF	12 - 15	LIVE	Cull	13.9	2	0	100.0	0.0	0.0
DF	16 - 19	LIVE	Domestic	16.6	40	56	0.0	70.9	10.7
RA	5 - 7	LIVE	Domestic	6.0	30	350	0.5	516.0	67.4
RA	8 - 11	LIVE	Domestic	9.3	35	211	0.0	334.8	40.7
RA	8 - 11	LIVE	Cull	10.5	16	0	100.0	0.0	0.0
RA	12 - 15	LIVE	Domestic	12.5	30	18	0.0	28.1	3.4

Sp	Bin	Status	Sort	Dia	Len	BF Net	Defect %	Tons	MBF Net
RA	12 - 15	LIVE	Cull	14.3	16	0	100.0	0.0	0.0
RC	5 - 7	LIVE	Domestic	7.1	36	8	0.0	11.2	1.5
RC	12 - 15	LIVE	Domestic	12.9	36	18	13.6	33.1	3.4
WH	5 - 7	LIVE	Domestic	5.8	30	1,138	2.7	1,983.3	219.5
WH	8 - 11	LIVE	Domestic	9.6	34	694	0.3	1,165.0	133.8
WH	12 - 15	LIVE	Domestic	13.0	33	157	4.5	254.7	30.2
WH	16 - 19	LIVE	Domestic	18.0	36	76	0.0	99.4	14.7

Cruise Unit Report BREWED AWAKENING U1

Unit Sale Notice Volume (MBF): BREWED AWAKENING U1

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	15.4			234	47	154	33
WH	15.5			15		12	3
RA	12.5			11			11
ALL	15.1			259	47	166	47

Unit Cruise Design: BREWED AWAKENING U1

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (40) Measure/Count Plots, Sighting Ht = 4.5 ft	8.3	10.3	7	4	0

Unit Cruise Summary: BREWED AWAKENING U1

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	22	39	5.6	0
WH	2	2	0.3	0
RA	2	2	0.3	0
ALL	26	43	6.1	0

Unit Cruise Statistics: BREWED AWAKENING U1

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	222.9	47.3	17.9	126.4	18.5	3.9	28,159	50.8	18.3
WH	11.4	264.6	100.0	153.9	1.4	1.0	1,759	264.6	100.0
RA	11.4	264.6	100.0	117.0	2.9	2.0	1,337	264.6	100.0
ALL	245.7	31.8	12.0	127.2	18.0	3.5	31,255	36.5	12.5

Unit Summary: BREWED AWAKENING U1

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	22	ALL	15.4	73	92	28,159	28,159	0.0	172.3	222.9	56.8	233.7
RA	LIVE	CUT	2	ALL	12.5	65	80	1,337	1,337	0.0	13.4	11.4	3.2	11.1

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
WH	LIVE	CUT	2	ALL	15.5	75	94	1,759	1,759	0.0	8.7	11.4	2.9	14.6
ALL	LIVE	CUT	26	ALL	15.2	73	92	31,255	31,255	0.0	194.4	245.7	62.9	259.4
ALL	ALL	CUT +LEAVE	26	ALL	15.2	73	92	31,255	31,255	0.0	194.4	245.7	62.9	259.4

Unit Stand Table: BREWED AWAKENING U1

Sp	D	Status	Rx	N	DBH	BL	THT	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	12	LIVE	CUT	2	12.0	61	76	1,741	0.0	25.8	20.3	5.8	14.5
DF	14	LIVE	CUT	4	13.5	67	84	4,161	0.0	40.9	40.5	11.0	34.5
DF	16	LIVE	CUT	9	15.6	75	95	11,724	0.0	69.1	91.2	23.1	97.3
DF	18	LIVE	CUT	3	17.3	81	102	4,326	0.0	18.6	30.4	7.3	35.9
DF	20	LIVE	CUT	2	19.5	87	111	2,791	0.0	9.8	20.3	4.6	23.2
DF	22	LIVE	CUT	1	21.7	94	119	1,550	0.0	3.9	10.1	2.2	12.9
DF	24	LIVE	CUT	1	24.0	99	127	1,867	0.0	3.2	10.1	2.1	15.5
RA	12	LIVE	CUT	1	12.0	64	79	655	0.0	7.3	5.7	1.6	5.4
RA	14	LIVE	CUT	1	13.0	67	82	682	0.0	6.2	5.7	1.6	5.7
WH	16	LIVE	CUT	2	15.5	75	94	1,759	0.0	8.7	11.4	2.9	14.6

Cruise Unit Report BREWED AWAKENING U2

Unit Sale Notice Volume (MBF): BREWED AWAKENING U2

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	13.6			206	32	119	55
RA	12.9			18			18
WH	13.1			12		10	1
RC	20.0			5		3	1
ALL	13.6			241	32	133	76

Unit Cruise Design: BREWED AWAKENING U2

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (40) Measure/Count Plots, Sighting Ht = 4.5 ft	9.9	11.2	8	4	0

Unit Cruise Summary: BREWED AWAKENING U2

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	16	37	4.6	0
RA	2	3	0.4	0
WH	2	2	0.3	0
RC	1	1	0.1	0
ALL	21	43	5.4	0

Unit Cruise Statistics: BREWED AWAKENING U2

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	185.0	32.6	11.5	112.6	17.7	4.4	20,822	37.1	12.3
RA	15.0	198.4	70.1	124.2	10.9	7.7	1,863	198.7	70.6
WH	10.0	185.2	65.5	116.3	25.3	17.9	1,163	186.9	67.9
RC	5.0	282.8	100.0	99.5	0.0	0.0	497	282.8	100.0
ALL	215.0	19.7	7.0	113.2	17.1	3.7	24,345	26.1	7.9

Unit Summary: BREWED AWAKENING U2

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	16	ALL	13.6	65	81	20,919	20,822	0.5	183.4	185.0	50.2	206.1
RA	LIVE	CUT	2	ALL	12.9	66	82	1,863	1,863	0.0	16.5	15.0	4.2	18.4
RC	LIVE	CUT	1	ALL	20.0	79	100	552	497	10.0	2.3	5.0	1.1	4.9
WH	LIVE	CUT	2	ALL	13.1	66	81	1,175	1,163	1.1	10.7	10.0	2.8	11.5
ALL	LIVE	CUT	21	ALL	13.6	65	82	24,510	24,345	0.7	212.9	215.0	58.2	241.0
ALL	ALL	CUT +LEAVE	21	ALL	13.6	65	82	24,510	24,345	0.7	212.9	215.0	58.2	241.0

Unit Stand Table: BREWED AWAKENING U2

Sp	D	Status	Rx	N	DBH	BL	THT	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	10	LIVE	CUT	3	9.5	50	61	2,637	0.0	66.4	32.6	10.6	26.1
DF	14	LIVE	CUT	5	13.6	68	85	5,759	0.8	53.6	54.4	14.7	57.0
DF	16	LIVE	CUT	3	15.0	73	92	5,242	0.0	35.5	43.5	11.2	51.9
DF	18	LIVE	CUT	2	17.5	81	103	2,883	0.0	13.0	21.8	5.2	28.5
DF	20	LIVE	CUT	3	19.6	88	112	4,301	1.1	15.6	32.6	7.4	42.6
RA	12	LIVE	CUT	1	12.0	64	79	859	0.0	9.5	7.5	2.2	8.5
RA	14	LIVE	CUT	1	14.0	69	85	1,003	0.0	7.0	7.5	2.0	9.9
RC	20	LIVE	CUT	1	20.0	79	100	497	10.0	2.3	5.0	1.1	4.9
WH	12	LIVE	CUT	1	11.0	60	73	477	0.0	7.6	5.0	1.5	4.7
WH	18	LIVE	CUT	1	17.0	79	99	685	1.8	3.2	5.0	1.2	6.8

Cruise Unit Report BREWED AWAKENING U3

Unit Sale Notice Volume (MBF): BREWED AWAKENING U3

Sp	DBH	Rings/In	Age	MBF Volume by Grade				Utility
				All	2 Saw	3 Saw	4 Saw	
DF	14.3	6.5		2,151	399	1,388	351	14
WH	11.2			204	37	107	60	
RA	11.2			16			16	
BC	18.7			16	16			
ALL	13.8	6.5		2,388	451	1,495	428	14

Unit Cruise Design: BREWED AWAKENING U3

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (40) Measure/Count Plots, Sighting Ht = 4.5 ft	81.2	88.2	49	27	0

Unit Cruise Summary: BREWED AWAKENING U3

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	144	270	5.5	4
WH	16	28	0.6	0
RA	3	3	0.1	0
BC	2	2	0.0	0
ALL	165	303	6.2	4

Unit Cruise Statistics: BREWED AWAKENING U3

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	220.4	41.8	6.0	120.2	22.5	1.9	26,495	47.4	6.3
WH	22.9	223.1	31.9	110.0	23.8	5.9	2,515	224.3	32.4
RA	2.4	700.0	100.0	82.0	70.7	40.8	201	703.6	108.0
BC	1.6	489.8	70.0	118.4	19.4	13.7	193	490.2	71.3
ALL	247.3	33.8	4.8	118.9	23.4	1.8	29,404	41.1	5.2

Unit Summary: BREWED AWAKENING U3

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
BC	LIVE	CUT	2	ALL	18.7	91	113	230	193	15.9	0.9	1.6	0.4	15.7
DF	LIVE	CUT	144	ALL	14.3	73	87	26,942	26,495	1.7	197.6	220.4	58.3	2,151.4
RA	LIVE	CUT	3	ALL	11.2	56	68	238	201	15.7	3.6	2.4	0.7	16.3
WH	LIVE	CUT	16	ALL	11.2	58	68	2,537	2,515	0.9	33.4	22.9	6.8	204.2
ALL	LIVE	CUT	165	ALL	13.9	71	84	29,947	29,404	1.8	235.5	247.3	66.2	2,387.6
ALL	ALL	CUT +LEAVE	165	ALL	13.9	71	84	29,947	29,404	1.8	235.5	247.3	66.2	2,387.6

Unit Stand Table: BREWED AWAKENING U3

Sp	D	Status	Rx	N	DBH	BL	THT	BF Net	Defect %	TPA	BA	RD	MBF Net
BC	18	LIVE	CUT	1	17.0	87	109	83	25.5	0.5	0.8	0.2	6.8
BC	22	LIVE	CUT	1	21.0	96	120	110	6.9	0.3	0.8	0.2	8.9
DF	8	LIVE	CUT	1	8.0	75	75	158	0.0	4.4	1.5	0.5	12.8
DF	10	LIVE	CUT	8	9.5	54	70	1,184	0.0	24.7	12.2	4.0	96.2
DF	12	LIVE	CUT	23	11.9	62	74	3,161	0.4	45.3	35.2	10.2	256.6
DF	14	LIVE	CUT	30	13.6	78	91	5,270	1.8	45.3	45.9	12.4	428.0
DF	16	LIVE	CUT	36	15.5	82	95	7,106	1.5	41.9	55.1	14.0	577.0
DF	18	LIVE	CUT	25	17.6	83	102	5,145	2.9	22.6	38.3	9.1	417.8
DF	20	LIVE	CUT	13	19.3	88	105	2,625	1.4	9.8	19.9	4.5	213.1
DF	22	LIVE	CUT	7	21.6	83	105	1,564	2.1	4.2	10.7	2.3	127.0
DF	24	LIVE	CUT	1	23.0	97	124	282	0.0	0.5	1.5	0.3	22.9
RA	10	LIVE	CUT	2	10.0	58	71	189	0.0	3.0	1.6	0.5	15.3
RA	16	LIVE	CUT	1	16.0	44	55	12	75.3	0.6	0.8	0.2	1.0
WH	8	LIVE	CUT	2	7.7	44	52	245	0.0	8.9	2.9	1.0	19.9
WH	10	LIVE	CUT	4	9.6	53	65	578	0.0	11.3	5.7	1.8	46.9
WH	12	LIVE	CUT	3	11.3	68	77	444	0.0	6.1	4.3	1.3	36.1
WH	14	LIVE	CUT	3	14.1	70	77	447	1.0	3.9	4.3	1.1	36.3
WH	16	LIVE	CUT	1	15.0	97	122	251	0.0	1.2	1.4	0.4	20.4
WH	20	LIVE	CUT	2	19.2	67	83	341	4.9	1.4	2.9	0.7	27.7
WH	26	LIVE	CUT	1	26.3	70	87	207	0.0	0.4	1.4	0.3	16.8

Cruise Unit Report BREWED AWAKENING U4

Unit Sale Notice Volume (MBF): BREWED AWAKENING U4

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	14.5			65	10	42	13
WH	15.0			6		5	1
ALL	14.5			71	10	47	14

Unit Cruise Design: BREWED AWAKENING U4

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1: VR, 1 BAF (40) Measure All, Sighting Ht = 4.5 ft	2.4	2.5	2	2	0

Unit Cruise Summary: BREWED AWAKENING U4

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	12	12	6.0	0
WH	1	1	0.5	0
ALL	13	13	6.5	0

Unit Cruise Statistics: BREWED AWAKENING U4

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	240.0	0.0	0.0	113.4	18.9	5.5	27,217	18.9	5.5
WH	20.0	141.4	100.0	121.4	0.0	0.0	2,429	141.4	100.0
ALL	260.0	10.9	7.7	114.0	18.1	5.0	29,646	21.1	9.2

Unit Summary: BREWED AWAKENING U4

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	12	ALL	14.5	70	87	27,217	27,217	0.0	209.3	240.0	63.0	65.3
WH	LIVE	CUT	1	ALL	15.0	74	92	2,429	2,429	0.0	16.3	20.0	5.2	5.8
ALL	LIVE	CUT	13	ALL	14.5	70	88	29,646	29,646	0.0	225.6	260.0	68.2	71.1
ALL	ALL	CUT +LEAVE	13	ALL	14.5	70	88	29,646	29,646	0.0	225.6	260.0	68.2	71.1

Unit Stand Table: BREWED AWAKENING U4

Sp	D	Status	Rx	N	DBH	BL	THT	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	12	LIVE	CUT	2	11.5	59	73	3,137	0.0	55.8	40.0	11.8	7.5
DF	14	LIVE	CUT	3	13.6	68	85	6,241	0.0	59.1	60.0	16.2	15.0
DF	16	LIVE	CUT	4	15.0	73	92	9,601	0.0	65.2	80.0	20.7	23.0
DF	18	LIVE	CUT	1	18.0	83	105	2,728	0.0	11.3	20.0	4.7	6.5
DF	20	LIVE	CUT	2	19.5	86	110	5,511	0.0	19.3	40.0	9.1	13.2
WH	16	LIVE	CUT	1	15.0	74	92	2,429	0.0	16.3	20.0	5.2	5.8

Cruise Unit Report BREWED AWAKENING U5

Unit Sale Notice Volume (MBF): BREWED AWAKENING U5

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	14.2			264	38	177	49
RA	10.5			37		4	33
BC	20.4			8	8		
ALL	12.8			309	46	181	82

Unit Cruise Design: BREWED AWAKENING U5

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (40) Measure/Count Plots, Sighting Ht = 4.5 ft	10.9	11.3	7	5	0

Unit Cruise Summary: BREWED AWAKENING U5

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	12	32	4.6	0
RA	6	6	0.9	0
BC	1	1	0.1	0
ALL	19	39	5.6	0

Unit Cruise Statistics: BREWED AWAKENING U5

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	182.9	73.5	27.8	132.4	14.6	4.2	24,208	74.9	28.1
RA	34.3	170.8	64.5	98.3	15.7	6.4	3,370	171.5	64.9
BC	5.7	264.6	100.0	130.8	0.0	0.0	748	264.6	100.0
ALL	222.9	34.1	12.9	127.1	18.6	4.3	28,326	38.9	13.6

Unit Summary: BREWED AWAKENING U5

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
BC	LIVE	CUT	1	ALL	20.4	95	119	831	748	10.0	2.5	5.7	1.3	8.1
DF	LIVE	CUT	12	ALL	13.4	73	92	24,208	24,208	0.0	186.7	182.9	50.0	263.9

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
RA	LIVE	CUT	6	ALL	10.5	58	70	3,765	3,370	10.5	57.0	34.3	10.6	36.7
ALL	LIVE	CUT	19	ALL	12.9	70	87	28,803	28,326	1.7	246.2	222.9	61.8	308.7
ALL	ALL	CUT +LEAVE	19	ALL	12.9	70	87	28,803	28,326	1.7	246.2	222.9	61.8	308.7

Unit Stand Table: BREWED AWAKENING U5

Sp	D	Status	Rx	N	DBH	BL	THT	BF Net	Defect %	TPA	BA	RD	MBF Net
BC	20	LIVE	CUT	1	20.4	95	119	748	10.0	2.5	5.7	1.3	8.1
DF	8	LIVE	CUT	1	8.8			757	0.0	13.5	5.7	1.9	8.2
DF	10	LIVE	CUT	4	10.1	60	74	2,601	0.0	41.0	22.9	7.2	28.3
DF	12	LIVE	CUT	6	11.9			4,539	0.0	44.4	34.3	9.9	49.5
DF	14	LIVE	CUT	6	14.2	77	97	4,625	0.0	31.1	34.3	9.1	50.4
DF	16	LIVE	CUT	9	15.8	78	99	6,890	0.0	37.7	51.4	12.9	75.1
DF	18	LIVE	CUT	5	17.6	85	109	3,885	0.0	17.0	28.6	6.8	42.3
DF	20	LIVE	CUT	1	19.0	90	114	911	0.0	2.9	5.7	1.3	9.9
RA	8	LIVE	CUT	1	7.7	49	59	442	0.0	17.7	5.7	2.1	4.8
RA	10	LIVE	CUT	2	9.7	57	70	1,155	0.0	22.4	11.4	3.7	12.6
RA	12	LIVE	CUT	1	11.8	64	78	670	0.0	7.5	5.7	1.7	7.3
RA	14	LIVE	CUT	1	13.5	68	84	627	0.0	5.7	5.7	1.6	6.8
RA	18	LIVE	CUT	1	17.4	74	92	477	45.2	3.5	5.7	1.4	5.2

Cruise Unit Report BREWED AWAKENING U6

Unit Sale Notice Volume (MBF): BREWED AWAKENING U6

Sp	DBH	Rings/In	Age	MBF Volume by Grade				
				All	2 Saw	3 Saw	4 Saw	Utility
DF	15.0			677	125	459	85	8
WH	10.9			102	8	59	35	
RA	13.2			15			15	
ALL	13.6			794	133	518	134	8

Unit Cruise Design: BREWED AWAKENING U6

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (46.94) Measure/Count Plots, Sighting Ht = 4.5 ft	30.9	33.9	19	12	0

Unit Cruise Summary: BREWED AWAKENING U6

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	40	75	3.9	0
WH	11	13	0.7	0
RA	3	3	0.2	0
ALL	54	91	4.8	0

Unit Cruise Statistics: BREWED AWAKENING U6

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	185.3	53.1	12.2	118.3	16.0	2.5	21,923	55.4	12.4
WH	32.1	212.7	48.8	102.5	30.1	9.1	3,291	214.8	49.6
RA	7.4	317.6	72.9	63.7	5.1	2.9	472	317.6	72.9
ALL	224.8	35.9	8.2	114.2	21.7	3.0	25,685	41.9	8.7

Unit Summary: BREWED AWAKENING U6

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	40	ALL	15.0	68	87	22,445	21,923	2.3	151.0	185.3	47.8	677.4
RA	LIVE	CUT	3	ALL	13.2	50	60	472	472	0.0	7.8	7.4	2.0	14.6

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
WH	LIVE	CUT	11	ALL	10.9	55	67	3,291	3,291	0.0	49.6	32.1	9.7	101.7
ALL	LIVE	CUT	54	ALL	14.1	64	81	26,208	25,685	2.0	208.4	224.8	59.6	793.7
ALL	ALL	CUT +LEAVE	54	ALL	14.1	64	81	26,208	25,685	2.0	208.4	224.8	59.6	793.7

Unit Stand Table: BREWED AWAKENING U6

Sp	D	Status	Rx	N	DBH	BL	THT	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	10	LIVE	CUT	1	9.7	51	63	271	0.0	9.0	4.6	1.5	8.4
DF	12	LIVE	CUT	4	12.3	63	80	2,041	0.0	22.6	18.5	5.3	63.1
DF	14	LIVE	CUT	11	13.9	69	87	5,966	3.7	48.4	51.0	13.7	184.4
DF	16	LIVE	CUT	12	16.1	67	90	6,378	3.4	39.3	55.6	13.9	197.1
DF	18	LIVE	CUT	11	17.9	76	96	6,611	0.2	29.3	51.0	12.1	204.3
DF	20	LIVE	CUT	1	19.6	80	101	654	7.8	2.2	4.6	1.0	20.2
RA	12	LIVE	CUT	1	12.0	50	60	151	0.0	3.1	2.5	0.7	4.7
RA	14	LIVE	CUT	2	14.0	50	60	321	0.0	4.6	4.9	1.3	9.9
WH	8	LIVE	CUT	3	8.4	48	57	748	0.0	27.7	10.7	3.7	23.1
WH	12	LIVE	CUT	3	12.1	60	74	829	0.0	10.0	8.0	2.3	25.6
WH	14	LIVE	CUT	4	13.8	65	83	1,361	0.0	10.4	10.7	2.9	42.1
WH	18	LIVE	CUT	1	17.3	75	93	353	0.0	1.6	2.7	0.6	10.9

Cruise Unit Report BREWED AWAKENING U7

Unit Sale Notice Volume (MBF): BREWED AWAKENING U7

Sp	DBH	Rings/In	Age	MBF Volume by Grade		
				All	3 Saw	4 Saw
DF	13.8			18	15	3
ALL	13.8			18	15	3

Unit Cruise Design: BREWED AWAKENING U7

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1: VR, 1 BAF (40) Measure All, Sighting Ht = 4.5 ft	2.2	2.3	2	2	0

Unit Cruise Summary: BREWED AWAKENING U7

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	4	12	6.0	0
ALL	4	12	6.0	0

Unit Cruise Statistics: BREWED AWAKENING U7

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	240.0	23.6	16.7	105.1	16.5	8.3	25,220	28.8	18.6
ALL	240.0	23.6	16.7	105.1	16.5	8.3	25,220	28.8	18.6

Unit Summary: BREWED AWAKENING U7

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	4	ALL	13.8	68	86	8,455	8,407	0.6	77.0	80.0	21.5	18.5
DF	LIVE	LEA	8	ALL	16.3	79	99	16,911	16,813	0.6	110.4	160.0	39.6	37.0
ALL	LIVE	LEA	8	ALL	16.3	79	99	16,911	16,813	0.6	110.4	160.0	39.6	37.0
ALL	LIVE	CUT	4	ALL	13.8	68	86	8,455	8,407	0.6	77.0	80.0	21.5	18.5
ALL	ALL	CUT +LEAVE	12	ALL	15.3	74	93	25,366	25,220	0.6	187.4	240.0	61.2	55.5

Unit Stand Table: BREWED AWAKENING U7

Sp	D	Status	Rx	N	DBH	BL	THT	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	12	LIVE	CUT	2	12.7	64	80	3,646	0.0	45.1	40.0	11.2	8.0
DF	16	LIVE	CUT	2	15.0	73	92	4,760	1.0	32.4	40.0	10.3	10.5
DF	14	LIVE	LEA	2	14.0	70	87	3,571	0.0	37.5	40.0	10.7	7.9
DF	16	LIVE	LEA	2	15.8	76	95	3,730	0.0	29.5	40.0	10.1	8.2
DF	18	LIVE	LEA	2	17.1	81	102	4,167	0.0	25.1	40.0	9.7	9.2
DF	20	LIVE	LEA	2	19.8	97	123	5,346	0.0	18.7	40.0	9.0	11.8

Cruise Unit Report BREWED AWAKENING U8

Unit Sale Notice Volume (MBF): BREWED AWAKENING U8

Sp	DBH	Rings/In	Age	MBF Volume by Grade		
				All	3 Saw	4 Saw
DF	12.7			48	29	19
ALL	12.7			48	29	19

Unit Cruise Design: BREWED AWAKENING U8

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1: VR, 1 BAF (40) Measure All, Sighting Ht = 4.5 ft	5.7	6.0	3	3	0

Unit Cruise Summary: BREWED AWAKENING U8

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	6	17	5.7	0
ALL	6	17	5.7	0

Unit Cruise Statistics: BREWED AWAKENING U8

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	226.7	20.4	11.8	105.7	22.8	9.3	23,967	30.6	15.0
ALL	226.7	20.4	11.8	105.7	22.8	9.3	23,967	30.6	15.0

Unit Summary: BREWED AWAKENING U8

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	6	ALL	12.7	63	78	8,459	8,459	0.0	90.9	80.0	22.4	48.2
DF	LIVE	LEA	11	ALL	14.9	72	91	15,508	15,508	0.0	121.1	146.7	38.0	88.4
ALL	LIVE	LEA	11	ALL	14.9	72	91	15,508	15,508	0.0	121.1	146.7	38.0	88.4
ALL	LIVE	CUT	6	ALL	12.7	63	78	8,459	8,459	0.0	90.9	80.0	22.4	48.2
ALL	ALL	CUT +LEAVE	17	ALL	14.0	68	85	23,967	23,967	0.0	212.0	226.7	60.4	136.6

Unit Stand Table: BREWED AWAKENING U8

Sp	D	Status	Rx	N	DBH	BL	THT	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	10	LIVE	CUT	2	10.2	53	65	2,021	0.0	47.0	26.7	8.4	11.5
DF	14	LIVE	CUT	2	14.1	70	88	3,116	0.0	24.6	26.7	7.1	17.8
DF	16	LIVE	CUT	2	15.8	76	96	3,322	0.0	19.7	26.7	6.7	18.9
DF	12	LIVE	LEA	1	12.3	62	78	988	0.0	16.2	13.3	3.8	5.6
DF	14	LIVE	LEA	4	14.1	70	87	5,042	0.0	49.5	53.3	14.2	28.7
DF	16	LIVE	LEA	4	15.7	76	95	6,325	0.0	39.5	53.3	13.4	36.1
DF	18	LIVE	LEA	2	17.1	81	102	3,153	0.0	16.7	26.7	6.4	18.0

Cruise Unit Report BREWED AWAKENING U9

Unit Sale Notice Volume (MBF): BREWED AWAKENING U9

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	13.0			79	8	57	14
WH	13.1			17		15	2
ALL	13.0			96	8	72	16

Unit Cruise Design: BREWED AWAKENING U9

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1: VR, 1 BAF (40) Measure All, Sighting Ht = 4.5 ft	9.0	9.3	5	5	0

Unit Cruise Summary: BREWED AWAKENING U9

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	10	28	5.6	0
WH	2	2	0.4	0
ALL	12	30	6.0	0

Unit Cruise Statistics: BREWED AWAKENING U9

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	224.0	41.1	18.4	109.6	21.5	6.8	24,545	46.4	19.6
WH	16.0	136.9	61.2	120.7	24.5	17.3	1,932	139.1	63.6
ALL	240.0	31.2	13.9	110.3	21.3	6.2	26,476	37.8	15.2

Unit Summary: BREWED AWAKENING U9

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	10	ALL	13.0	65	81	8,766	8,766	0.0	86.8	80.0	22.2	78.9
DF	LIVE	LEA	18	ALL	15.2	75	95	15,779	15,779	0.0	114.3	144.0	36.9	142.0
WH	LIVE	CUT	2	ALL	13.1	66	82	1,932	1,932	0.0	17.1	16.0	4.4	17.4
ALL	LIVE	LEA	18	ALL	15.2	75	95	15,779	15,779	0.0	114.3	144.0	36.9	142.0
ALL	LIVE	CUT	12	ALL	13.0	65	81	10,698	10,698	0.0	103.9	96.0	26.6	96.3

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
ALL	ALL	CUT +LEAVE	30	ALL	14.2	71	88	26,476	26,476	0.0	218.2	240.0	63.5	238.3

Unit Stand Table: BREWED AWAKENING U9

Sp	D	Status	Rx	N	DBH	BL	THT	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	10	LIVE	CUT	1	9.6	51	62	637	0.0	15.9	8.0	2.6	5.7
DF	12	LIVE	CUT	3	11.8	63	79	2,158	0.0	31.5	24.0	7.0	19.4
DF	14	LIVE	CUT	2	13.1	66	82	1,716	0.0	17.1	16.0	4.4	15.4
DF	16	LIVE	CUT	3	15.8	76	95	3,082	0.0	17.7	24.0	6.0	27.7
DF	18	LIVE	CUT	1	18.0	83	105	1,173	0.0	4.5	8.0	1.9	10.6
DF	12	LIVE	LEA	1	12.0	61	76	631	0.0	10.2	8.0	2.3	5.7
DF	14	LIVE	LEA	6	14.0	70	88	4,787	0.0	45.2	48.0	12.9	43.1
DF	16	LIVE	LEA	7	15.9	81	102	6,696	0.0	40.5	56.0	14.0	60.3
DF	18	LIVE	LEA	3	17.4	82	104	2,775	0.0	14.5	24.0	5.8	25.0
DF	20	LIVE	LEA	1	19.5	88	112	890	0.0	3.9	8.0	1.8	8.0
WH	12	LIVE	CUT	1	11.5	61	75	799	0.0	11.1	8.0	2.4	7.2
WH	16	LIVE	CUT	1	15.6	75	94	1,133	0.0	6.0	8.0	2.0	10.2

Cruise Unit Report BREWED AWAKENING U10

Unit Sale Notice Volume (MBF): BREWED AWAKENING U10

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	10.0			76		32	44
BC	17.0			11	11		
RA	14.0			9			9
WH	9.7			6			6
ALL	10.4			101	11	32	59

Unit Cruise Design: BREWED AWAKENING U10

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (40) Measure/Count Plots, Sighting Ht = 4.5 ft	8.6	9.1	5	5	0

Unit Cruise Summary: BREWED AWAKENING U10

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	12	29	5.8	0
BC	1	1	0.2	0
RA	1	1	0.2	0
WH	1	1	0.2	0
ALL	15	32	6.4	0

Unit Cruise Statistics: BREWED AWAKENING U10

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	232.0	61.4	27.5	91.5	21.2	6.1	21,221	65.0	28.1
BC	8.0	223.6	100.0	154.2	0.0	0.0	1,233	223.6	100.0
RA	8.0	223.6	100.0	133.8	0.0	0.0	1,070	223.6	100.0
WH	8.0	223.6	100.0	83.8	0.0	0.0	670	223.6	100.0
ALL	256.0	42.2	18.9	94.5	27.2	7.0	24,195	50.2	20.1

Unit Summary: BREWED AWAKENING U10

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
BC	LIVE	CUT	1	ALL	17.0	87	109	1,233	1,233	0.0	5.1	8.0	1.9	10.6
DF	LIVE	CUT	12	ALL	10.0	51	62	8,781	8,781	0.0	176.0	96.0	30.4	75.5
DF	LIVE	LEA	17	ALL	13.6	67	83	12,440	12,440	0.0	134.8	136.0	36.9	107.0
RA	LIVE	CUT	1	ALL	14.0	69	85	1,070	1,070	0.0	7.5	8.0	2.1	9.2
WH	LIVE	CUT	1	ALL	9.7	53	65	670	670	0.0	15.6	8.0	2.6	5.8
ALL	LIVE	CUT	15	ALL	10.4	53	64	11,755	11,755	0.0	204.2	120.0	37.0	101.1
ALL	LIVE	LEA	17	ALL	13.6	67	83	12,440	12,440	0.0	134.8	136.0	36.9	107.0
ALL	ALL	CUT +LEAVE	32	ALL	11.8	58	72	24,195	24,195	0.0	339.0	256.0	73.9	208.1

Unit Stand Table: BREWED AWAKENING U10

Sp	D	Status	Rx	N	DBH	BL	THT	BF Net	Defect %	TPA	BA	RD	MBF Net
BC	18	LIVE	CUT	1	17.0	87	109	1,233	0.0	5.1	8.0	1.9	10.6
DF	8	LIVE	CUT	2	7.5	39	47	1,221	0.0	52.4	16.0	5.8	10.5
DF	10	LIVE	CUT	4	9.2	49	59	2,583	0.0	69.1	32.0	10.5	22.2
DF	12	LIVE	CUT	2	11.4	59	73	1,267	0.0	22.5	16.0	4.7	10.9
DF	14	LIVE	CUT	4	13.7	69	85	3,710	0.0	31.4	32.0	8.7	31.9
DF	10	LIVE	LEA	1	9.0	48	58	515	0.0	18.1	8.0	2.7	4.4
DF	12	LIVE	LEA	3	12.4	63	79	1,878	0.0	28.7	24.0	6.8	16.2
DF	14	LIVE	LEA	8	13.8	69	86	5,807	0.0	61.9	64.0	17.2	49.9
DF	16	LIVE	LEA	3	15.6	75	95	2,498	0.0	18.2	24.0	6.1	21.5
DF	18	LIVE	LEA	1	17.4	88	112	991	0.0	4.8	8.0	1.9	8.5
DF	20	LIVE	LEA	1	20.0	86	109	750	0.0	3.7	8.0	1.8	6.5
RA	14	LIVE	CUT	1	14.0	69	85	1,070	0.0	7.5	8.0	2.1	9.2
WH	10	LIVE	CUT	1	9.7	53	65	670	0.0	15.6	8.0	2.6	5.8

Cruise Unit Report BREWED AWAKENING U11

Unit Sale Notice Volume (MBF): BREWED AWAKENING U11

Sp	DBH	Rings/In	Age	MBF Volume by Grade		
				All	3 Saw	4 Saw
DF	11.4			83	40	42
WH	11.6			34	25	8
ALL	11.4			116	65	51

Unit Cruise Design: BREWED AWAKENING U11

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (40) Measure/Count Plots, Sighting Ht = 4.5 ft	15.0	16.0	7	4	0

Unit Cruise Summary: BREWED AWAKENING U11

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	6	32	4.6	0
WH	1	6	0.9	0
ALL	7	38	5.4	0

Unit Cruise Statistics: BREWED AWAKENING U11

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	182.9	43.5	16.4	96.4	27.3	11.2	17,619	51.4	19.9
WH	34.3	124.7	47.1	130.8	0.0	0.0	4,485	124.7	47.1
ALL	217.1	23.4	8.9	101.8	26.9	10.2	22,103	35.7	13.5

Unit Summary: BREWED AWAKENING U11

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	6	ALL	11.1	59	73	5,506	5,506	0.0	85.0	57.1	17.2	82.6
DF	LIVE	LEA	14	ALL	14.7	83	102	12,113	12,113	0.0	106.7	125.7	32.8	181.7
WH	LIVE	CUT	1	ALL	14.2	71	88	2,242	2,242	0.0	15.6	17.1	4.5	33.6
WH	LIVE	LEA	1	ALL	12.3	71	88	2,242	2,242	0.0	20.8	17.1	4.9	33.6
ALL	LIVE	CUT	7	ALL	11.6	61	76	7,748	7,748	0.0	100.6	74.3	21.7	116.2

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
ALL	LIVE	LEA	15	ALL	14.3	81	100	14,355	14,355	0.0	127.5	142.9	37.7	215.3
ALL	ALL	CUT +LEAVE	22	ALL	13.2	72	89	22,103	22,103	0.0	228.1	217.1	59.4	331.6

Unit Stand Table: BREWED AWAKENING U11

Sp	D	Status	Rx	N	DBH	BL	THT	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	8	LIVE	CUT	1	7.0			551	0.0	21.4	5.7	2.2	8.3
DF	10	LIVE	CUT	3	10.2	53	65	1,264	0.0	30.2	17.1	5.4	19.0
DF	12	LIVE	CUT	1	12.3	65	81	623	0.0	6.9	5.7	1.6	9.3
DF	14	LIVE	CUT	4	13.6	72	91	2,517	0.0	22.5	22.9	6.2	37.8
DF	16	LIVE	CUT	1	16.2			551	0.0	4.0	5.7	1.4	8.3
DF	10	LIVE	LEA	1	10.1			427	0.0	10.3	5.7	1.8	6.4
DF	12	LIVE	LEA	3	12.7			1,281	0.0	19.5	17.1	4.8	19.2
DF	14	LIVE	LEA	5	13.7	82	97	2,743	0.0	27.9	28.6	7.7	41.1
DF	16	LIVE	LEA	7	15.6	78	98	4,046	0.0	30.0	40.0	10.1	60.7
DF	18	LIVE	LEA	5	17.8	93	118	3,188	0.0	16.5	28.6	6.8	47.8
DF	20	LIVE	LEA	1	20.9			427	0.0	2.4	5.7	1.2	6.4
WH	12	LIVE	CUT	1	11.6	71	88	747	0.0	7.8	5.7	1.7	11.2
WH	16	LIVE	CUT	1	15.4			747	0.0	4.4	5.7	1.5	11.2
WH	18	LIVE	CUT	1	17.8			748	0.0	3.3	5.7	1.4	11.2
WH	10	LIVE	LEA	1	10.2			738	0.0	10.1	5.7	1.8	11.1
WH	12	LIVE	LEA	1	12.4	71	88	767	0.0	6.8	5.7	1.6	11.5
WH	16	LIVE	LEA	1	16.3			738	0.0	3.9	5.7	1.4	11.1

Cruise Unit Report BREWED AWAKENING U12

Unit Sale Notice Volume (MBF): BREWED AWAKENING U12

Sp	DBH	Rings/In	Age	MBF Volume by Grade		
				All	3 Saw	4 Saw
DF	13.9			16	13	4
WH	11.9			4	4	
ALL	13.3			20	16	4

Unit Cruise Design: BREWED AWAKENING U12

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (40) Measure/Count Plots, Sighting Ht = 4.5 ft	2.6	2.6	3	2	0

Unit Cruise Summary: BREWED AWAKENING U12

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	3	13	4.3	0
WH	1	5	1.7	0
ALL	4	18	6.0	0

Unit Cruise Statistics: BREWED AWAKENING U12

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	173.3	26.6	15.4	117.6	11.8	6.8	20,376	29.2	16.8
WH	66.7	91.7	52.9	35.0	0.0	0.0	2,331	91.7	52.9
ALL	240.0	16.7	9.6	94.6	45.3	22.6	22,706	48.2	24.6

Unit Summary: BREWED AWAKENING U12

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	3	ALL	12.9	73	92	6,413	6,269	2.2	58.8	53.3	14.8	16.3
DF	LIVE	LEA	5	ALL	13.9	68	85	14,430	14,106	2.2	113.9	120.0	32.2	36.7
WH	LIVE	CUT	1	ALL	11.0	60	74	3,729	1,398	62.5	60.6	40.0	12.1	3.6
WH	LIVE	LEA	2	ALL	14.4	71	88	2,486	932	62.5	23.6	26.7	7.0	2.4
ALL	LIVE	LEA	7	ALL	14.0	68	85	16,916	15,039	11.1	137.5	146.7	39.2	39.1

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
ALL	LIVE	CUT	4	ALL	12.0	66	83	10,142	7,668	24.4	119.4	93.3	26.9	19.9
ALL	ALL	CUT +LEAVE	11	ALL	13.1	67	84	27,059	22,706	16.1	256.9	240.0	66.1	59.0

Unit Stand Table: BREWED AWAKENING U12

Sp	D	Status	Rx	N	DBH	BL	THT	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	10	LIVE	CUT	1	10.7			1,567	2.2	21.4	13.3	4.1	4.1
DF	12	LIVE	CUT	1	12.5	70	88	1,455	3.1	15.6	13.3	3.8	3.8
DF	14	LIVE	CUT	1	14.3	75	95	1,782	0.0	12.0	13.3	3.5	4.6
DF	16	LIVE	CUT	1	15.5	75	94	1,465	4.0	10.2	13.3	3.4	3.8
DF	10	LIVE	LEA	1	10.4	63	78	1,322	7.9	22.6	13.3	4.1	3.4
DF	12	LIVE	LEA	3	12.2	64	80	4,244	2.3	49.0	40.0	11.4	11.0
DF	16	LIVE	LEA	3	16.5	80	101	4,963	1.4	26.9	40.0	9.8	12.9
DF	18	LIVE	LEA	1	17.0			1,581	2.2	8.5	13.3	3.2	4.1
DF	20	LIVE	LEA	1	19.7	88	112	1,996	0.0	6.3	13.3	3.0	5.2
WH	8	LIVE	CUT	1	8.9			466	62.5	30.9	13.3	4.5	1.2
WH	12	LIVE	CUT	1	11.9	60	74	466	62.5	17.3	13.3	3.9	1.2
WH	14	LIVE	CUT	1	14.3			466	62.5	12.0	13.3	3.5	1.2
WH	12	LIVE	LEA	1	12.9	66	82	408	0.0	14.7	13.3	3.7	1.1
WH	16	LIVE	LEA	1	16.5	79	98	524	0.0	9.0	13.3	3.3	1.4

Cruise Unit Report BREWED AWAKENING U13

Unit Sale Notice Volume (MBF): BREWED AWAKENING U13

Sp	DBH	Rings/In	Age	MBF Volume by Grade		
				All	3 Saw	4 Saw
DF	11.6			17	9	8
ALL	11.6			17	9	8

Unit Cruise Design: BREWED AWAKENING U13

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1: VR, 1 BAF (40) Measure All, Sighting Ht = 4.5 ft	1.9	2.0	2	2	0

Unit Cruise Summary: BREWED AWAKENING U13

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	5	12	6.0	0
ALL	5	12	6.0	0

Unit Cruise Statistics: BREWED AWAKENING U13

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	240.0	23.6	16.7	89.9	20.3	9.1	21,571	31.1	19.0
ALL	240.0	23.6	16.7	89.9	20.3	9.1	21,571	31.1	19.0

Unit Summary: BREWED AWAKENING U13

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	5	ALL	11.6	59	74	8,988	8,988	0.0	136.3	100.0	29.4	17.1
DF	LIVE	LEA	7	ALL	12.8	71	84	12,583	12,583	0.0	156.7	140.0	39.1	23.9
ALL	LIVE	LEA	7	ALL	12.8	71	84	12,583	12,583	0.0	156.7	140.0	39.1	23.9
ALL	LIVE	CUT	5	ALL	11.6	59	74	8,988	8,988	0.0	136.3	100.0	29.4	17.1
ALL	ALL	CUT +LEAVE	12	ALL	12.3	65	79	21,571	21,571	0.0	293.0	240.0	68.5	41.0

Unit Stand Table: BREWED AWAKENING U13

Sp	D	Status	Rx	N	DBH	BL	THT	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	10	LIVE	CUT	2	10.3	54	66	2,954	0.0	68.7	40.0	12.4	5.6
DF	12	LIVE	CUT	1	11.7	61	75	1,688	0.0	26.8	20.0	5.8	3.2
DF	14	LIVE	CUT	2	13.5	68	85	4,346	0.0	40.2	40.0	10.9	8.3
DF	10	LIVE	LEA	1	10.4	85	85	1,754	0.0	33.9	20.0	6.2	3.3
DF	12	LIVE	LEA	3	12.4	63	78	4,741	0.0	71.8	60.0	17.1	9.0
DF	14	LIVE	LEA	2	14.1	69	87	3,886	0.0	36.9	40.0	10.7	7.4
DF	16	LIVE	LEA	1	16.2	78	98	2,203	0.0	14.0	20.0	5.0	4.2

Cruise Unit Report BREWED AWAKENING U14

Unit Sale Notice Volume (MBF): BREWED AWAKENING U14

Sp	DBH	Rings/In	Age	MBF Volume by Grade		
				All	3 Saw	4 Saw
DF	12.7			26	21	5
RA	18.2			5	3	2
ALL	14.0			31	24	7

Unit Cruise Design: BREWED AWAKENING U14

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (40) Measure/Count Plots, Sighting Ht = 4.5 ft	4.2	4.2	4	4	0

Unit Cruise Summary: BREWED AWAKENING U14

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	2	20	5.0	0
RA	1	1	0.3	0
ALL	3	21	5.3	0

Unit Cruise Statistics: BREWED AWAKENING U14

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	200.0	32.7	16.3	122.2	13.5	9.6	24,446	35.3	18.9
RA	10.0	200.0	100.0	122.9	0.0	0.0	1,229	200.0	100.0
ALL	210.0	24.0	12.0	122.3	9.6	5.5	25,675	25.8	13.2

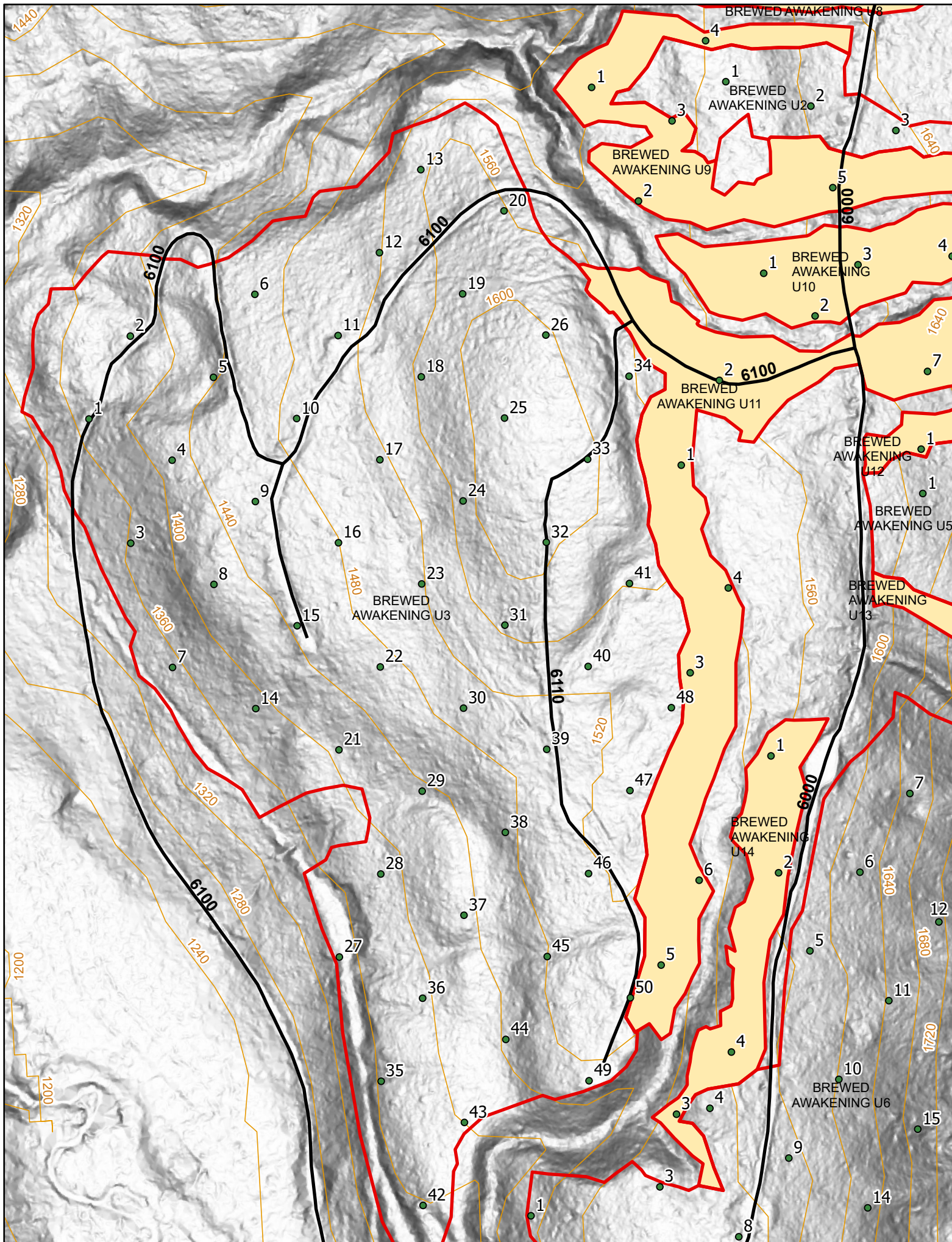
Unit Summary: BREWED AWAKENING U14

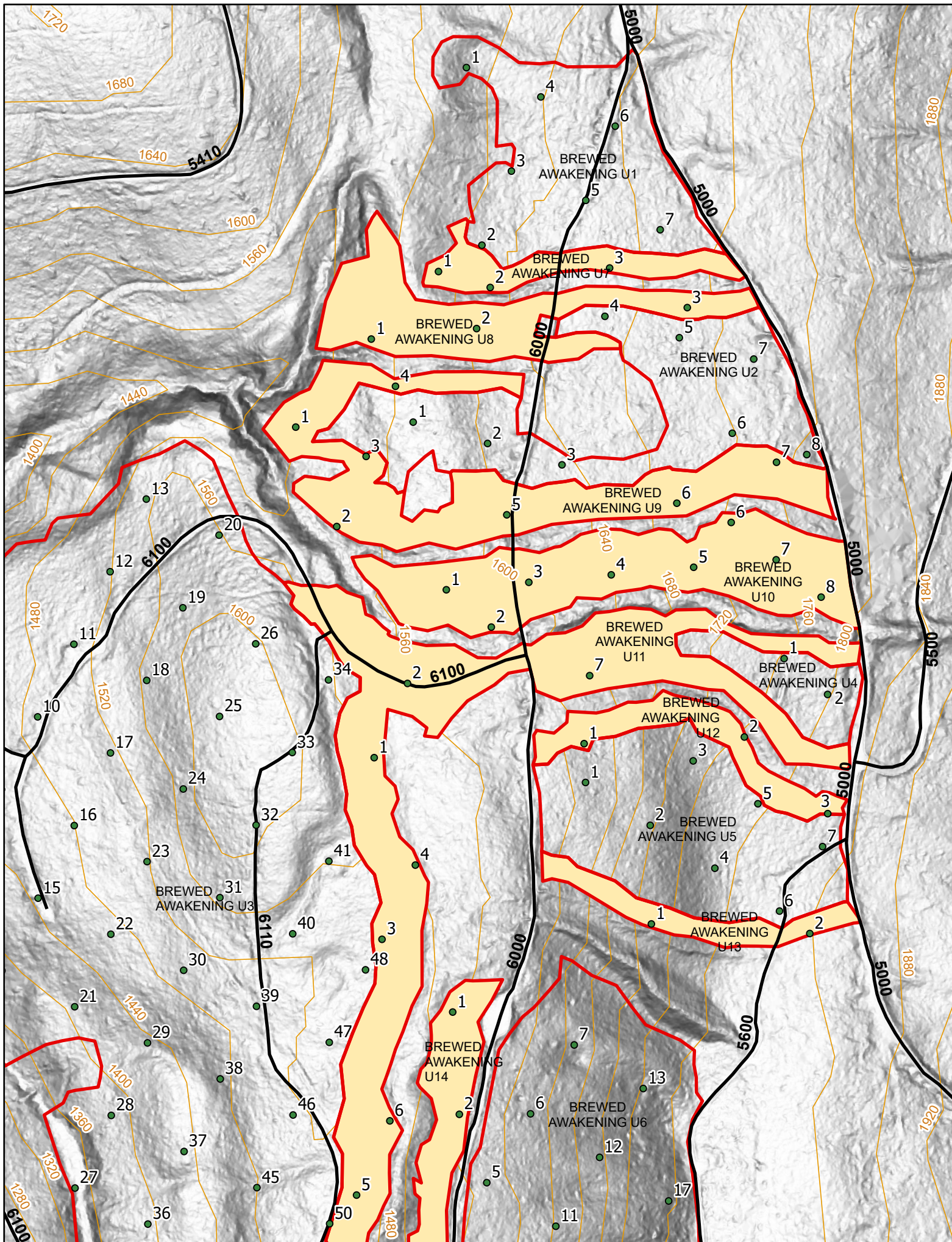
Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	2	ALL	12.4	71	89	6,111	6,111	0.0	59.6	50.0	14.2	25.7
DF	LIVE	LEA	8	ALL	15.5	83	106	18,334	18,334	0.0	114.5	150.0	38.1	77.0
RA	LIVE	CUT	1	ALL	18.2	76	94	1,229	1,229	0.0	5.5	10.0	2.3	5.2
ALL	LIVE	LEA	8	ALL	15.5	83	106	18,334	18,334	0.0	114.5	150.0	38.1	77.0
ALL	LIVE	CUT	3	ALL	13.0	71	90	7,340	7,340	0.0	65.1	60.0	16.5	30.8

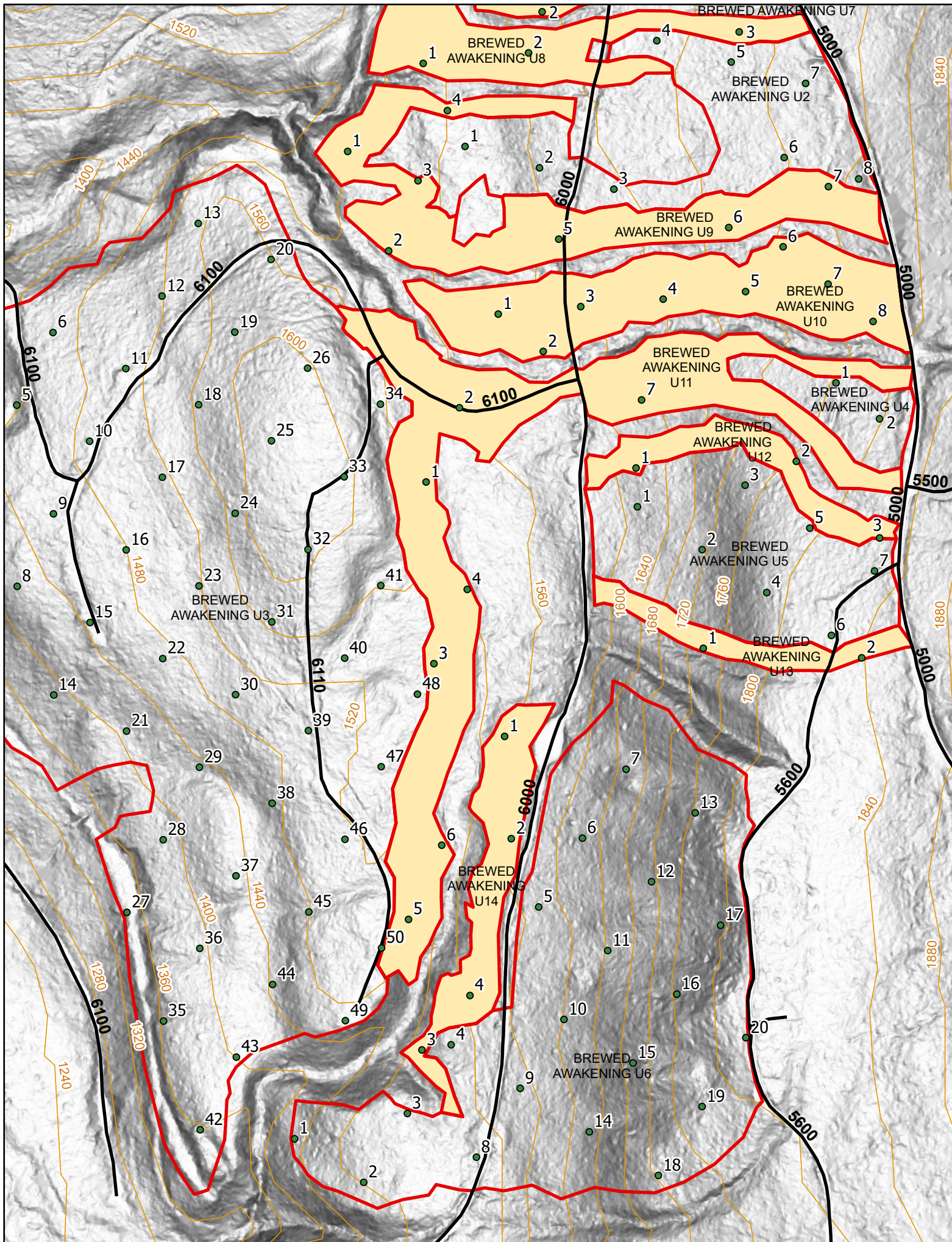
Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
ALL	ALL	CUT +LEAVE	11	ALL	14.6	79	100	25,675	25,675	0.0	179.6	210.0	54.6	107.8

Unit Stand Table: BREWED AWAKENING U14

Sp	D	Status	Rx	N	DBH	BL	THT	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	10	LIVE	CUT	1	9.9			1,222	0.0	18.7	10.0	3.2	5.1
DF	12	LIVE	CUT	1	11.1	69	87	1,339	0.0	14.9	10.0	3.0	5.6
DF	14	LIVE	CUT	1	13.2			1,222	0.0	10.5	10.0	2.8	5.1
DF	16	LIVE	CUT	2	15.5	75	94	2,328	0.0	15.2	20.0	5.1	9.8
DF	10	LIVE	LEA	1	10.8			1,091	0.0	15.7	10.0	3.0	4.6
DF	12	LIVE	LEA	2	12.0	75	95	2,306	0.0	25.4	20.0	5.8	9.7
DF	14	LIVE	LEA	1	13.1	78	99	1,154	0.0	10.7	10.0	2.8	4.8
DF	16	LIVE	LEA	3	16.2	85	108	3,837	0.0	20.9	30.0	7.4	16.1
DF	18	LIVE	LEA	5	17.9	89	113	6,057	0.0	28.7	50.0	11.8	25.4
DF	20	LIVE	LEA	2	20.2			2,182	0.0	8.9	20.0	4.4	9.2
DF	22	LIVE	LEA	1	21.7	95	121	1,709	0.0	3.9	10.0	2.1	7.2
RA	18	LIVE	CUT	1	18.2	76	94	1,229	0.0	5.5	10.0	2.3	5.2









Forest Practices Application/Notification Notice of Decision

FPA/N No: 2424167

Effective Date: 11/27/2024

Expiration Date: 11/27/2027

Shut Down Zone: 659 N

EARR Tax Credit: Eligible Non-eligible

Reference: **Brewed Awakening
#30-104865**

Decision

- Notification Accepted** Operations shall not begin before the effective date.
- Approved** This Forest Practices Application is subject to the conditions listed below.
- Disapproved** This Forest Practices Application is disapproved for the reasons listed below.
- Withdrawn** Applicant has withdrawn the Forest Practices Application/Notification (FPA/N).
- Closed** All forest practices obligations are met.

FPA/N Classification

- Class II Class III Class IVG Class IVS

Number of Years Granted on Multi-Year Request

- 4 years 5 years

Conditions on Approval/Reasons for Disapproval

Issued By: Eric Dasso

Region: South Puget Sound Region

Title: Resource Protection Forester

Date: 11/27/2024

Copies to: Landowner, Timber Owner and Operator

Issued in person: LO TO OP By: *mi Jensen* Date: 11/27/2024

Appeal Information

You have thirty (30) days to **file** (i.e., **actually deliver**) an appeal in writing of this Decision and any related State Environmental Policy Act (SEPA) determinations to the Pollution Control Hearings Board, the Attorney General’s Office, and the Department of Natural Resources’ region office. See [RCW 76.09.205](http://www.wa.gov/RCW76.09.205). The appeal period starts when the applicant receives this decision, which usually happens electronically on the date indicated below.

You must file your appeal at all three addresses below:

Pollution Control Hearings Board	Office of the Attorney General Natural Resources Division	Department Of Natural Resources South Puget Sound Region
<u>Physical Address</u> 1111 Israel Road SW Suite 301 Tumwater, WA 98501 <u>Mailing address</u> Post Office Box 40903 Olympia, WA 98504-0903	<u>Physical Address</u> 1125 Washington Street, SE Olympia, WA 98504 <u>Mailing Address</u> Post Office Box 40100 Olympia, WA 98504-0100	<u>Physical Address</u> 950 Farman Ave N Enumclaw, WA 98022 <u>Mailing Address</u> 950 Farman Ave N Enumclaw, WA 98022

Information regarding the Pollution Control Hearings Board can be found at: <https://eluho.wa.gov/>

Other Applicable Laws

Operating as described in this application/notification does not ensure compliance with the Endangered Species Act, or other federal, state, or local laws.

Transfer of Forest Practices Application/Notification (WAC 222-20-010)

Use the “Notice of Transfer of Approved Forest Practices Application/Notification” form. This form is available at region offices and on the Forest Practices website <https://www.dnr.wa.gov/programs-and-services/forest-practices/review-applications-fpars/forest-practices-forms-and>. Notify DNR of new Operators within 48 hours.

Continuing Forestland Obligations (RCW 76.09.060, RCW 76.09.070, RCW 76.09.390, and WAC 222-20-055)

Obligations include reforestation, road maintenance and abandonment plans, conversions of forestland to non- forestry use and/or harvest strategies on perennial non-fish habitat (Type Np) waters in Eastern Washington.

Before the sale or transfer of land or perpetual timber rights subject to continuing forest and obligations, the seller must notify the buyer of such an obligation on a form titled “Notice of Continuing Forest Land Obligation”. The seller and buyer must both sign the “Notice of Continuing Forest Land Obligation” form and send it to the DNR Region Office for retention. This form is available at DNR region offices.

If the seller fails to notify the buyer about the continuing forestland obligation, the seller must pay the buyer’s costs related to continuing forestland obligations, including all legal costs and reasonable attorneys’ fees incurred by the buyer in enforcing the continuing forestland obligation against the seller.

Failure by the seller to send the required notice to DNR at the time of sale will be prima facie evidence in an action by the buyer against the seller for costs related to the continuing forestland obligation prior to sale.

DNR Declaration of Mailing

I, **Meredith Dessens**, caused the Notice of Decision for FPA/N No. **2424167** to be placed in the United States mail at **Olympia, WA**; postage paid. I declare under penalty of perjury of the laws of the State of Washington, that the foregoing is true and correct.

11/27/2024
(Date)

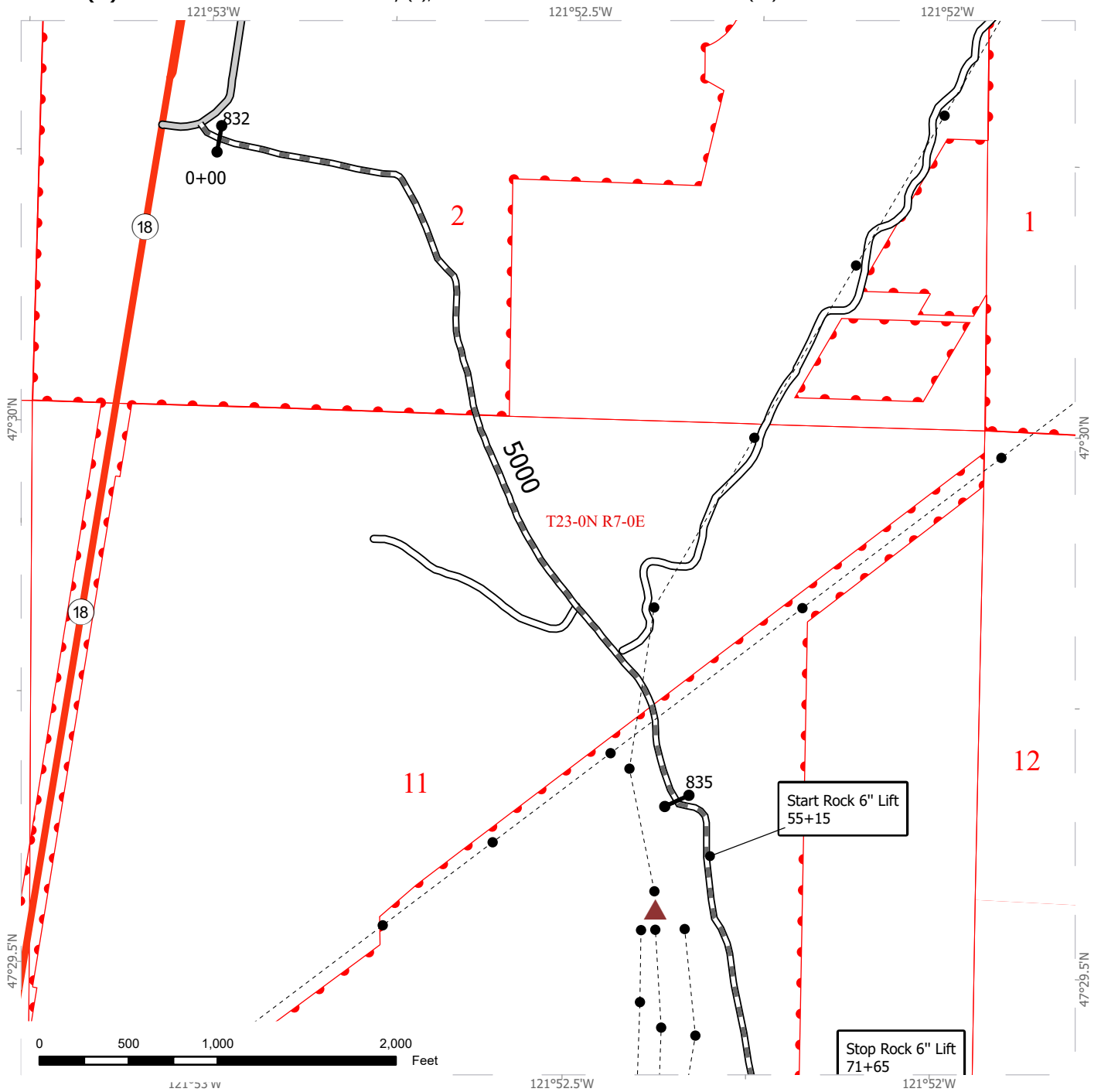
Enumclaw, WA
(City & State where signed)

(Signature)

ROAD PLAN MAP

SALE NAME: BREWED AWAKENING VRH AND RMZ THIN
AGREEMENT #: 30-104865
TOWNSHIP(S): T23R7E, T23R8E
TRUST(S): Common School and Indemnity (3), Water Pollution Control Division Trust Land (77)

REGION: South Puget Sound Region
COUNTY(S): King
ELEVATION RGE: 1280-1840

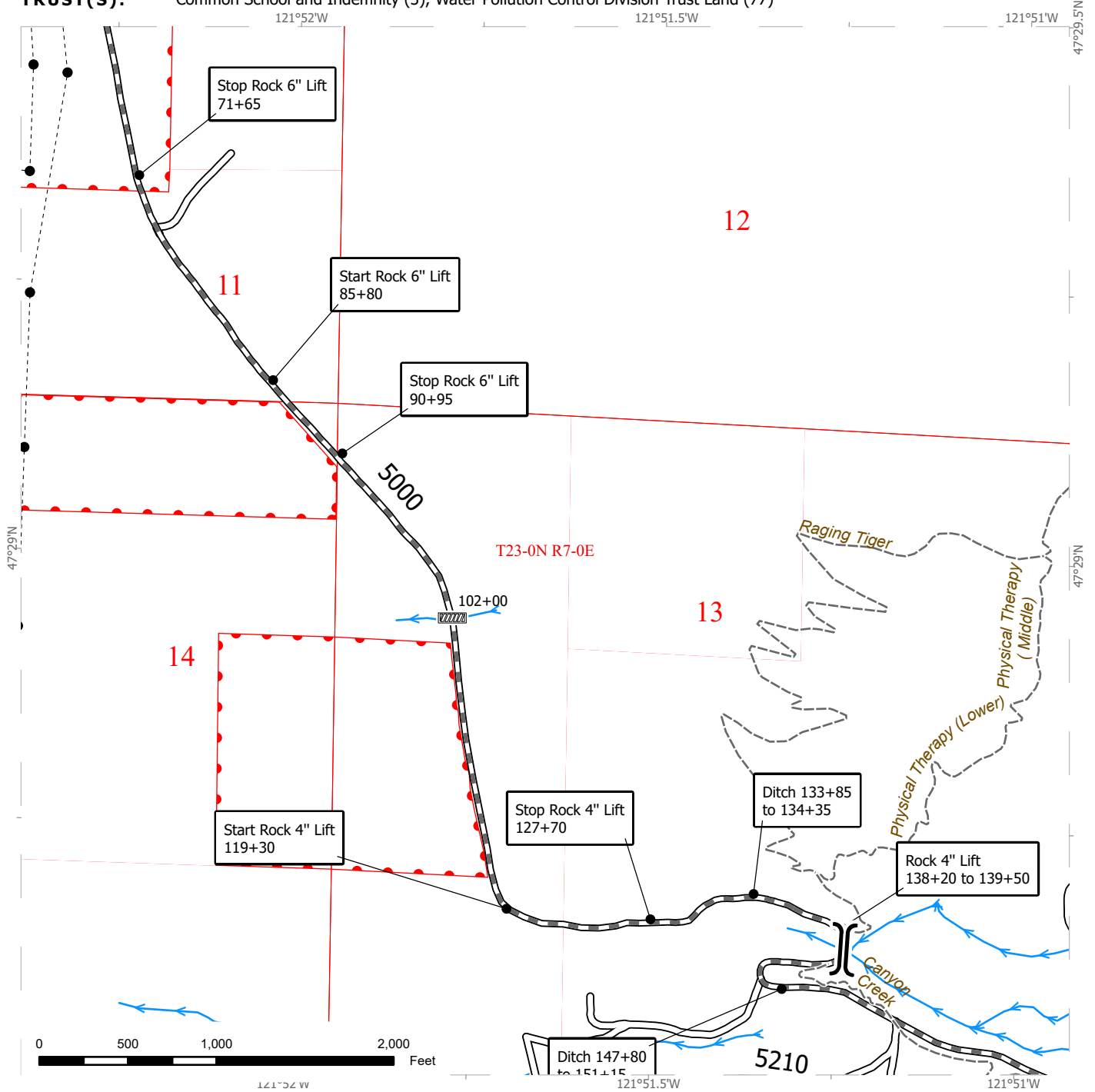


County Road	Gate (Master 786)
Existing Roads	BPA Substation
Required Pre-Haul Maintenance	BPA Transmission Lines
Public Land Survey Sections	DNR Managed Lands
Highway	

ROAD PLAN MAP

SALE NAME: BREWED AWAKENING VRH AND RMZ THIN
AGREEMENT #: 30-104865
TOWNSHIP(S): T23R7E, T23R8E
TRUST(S): Common School and Indemnity (3), Water Pollution Control Division Trust Land (77)

REGION: South Puget Sound Region
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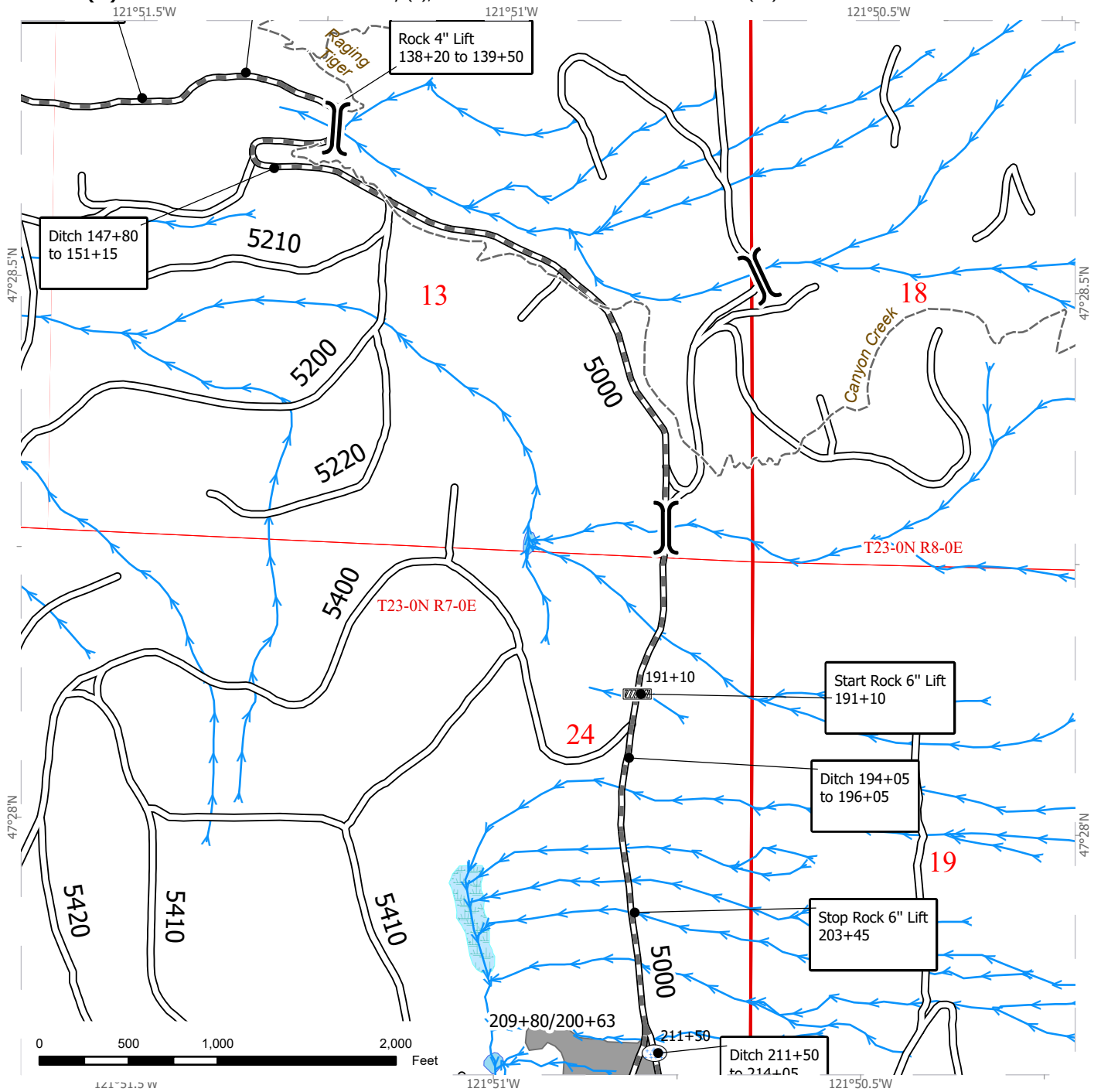


Existing Roads	Recreation Trail
Required Pre-Haul Maintenance	BPA Transmission Lines
Public Land Survey Sections	State Lands - Bridges
Culvert	DNR Managed Lands
Streams	

ROAD PLAN MAP

SALE NAME: BREWED AWAKENING VRH AND RMZ THIN
AGREEMENT #: 30-104865
TOWNSHIP(S): T23R7E, T23R8E
TRUST(S): Common School and Indemnity (3), Water Pollution Control Division Trust Land (77)

REGION: South Puget Sound Region
COUNTY(S): King
ELEVATION RGE: 1280-1840



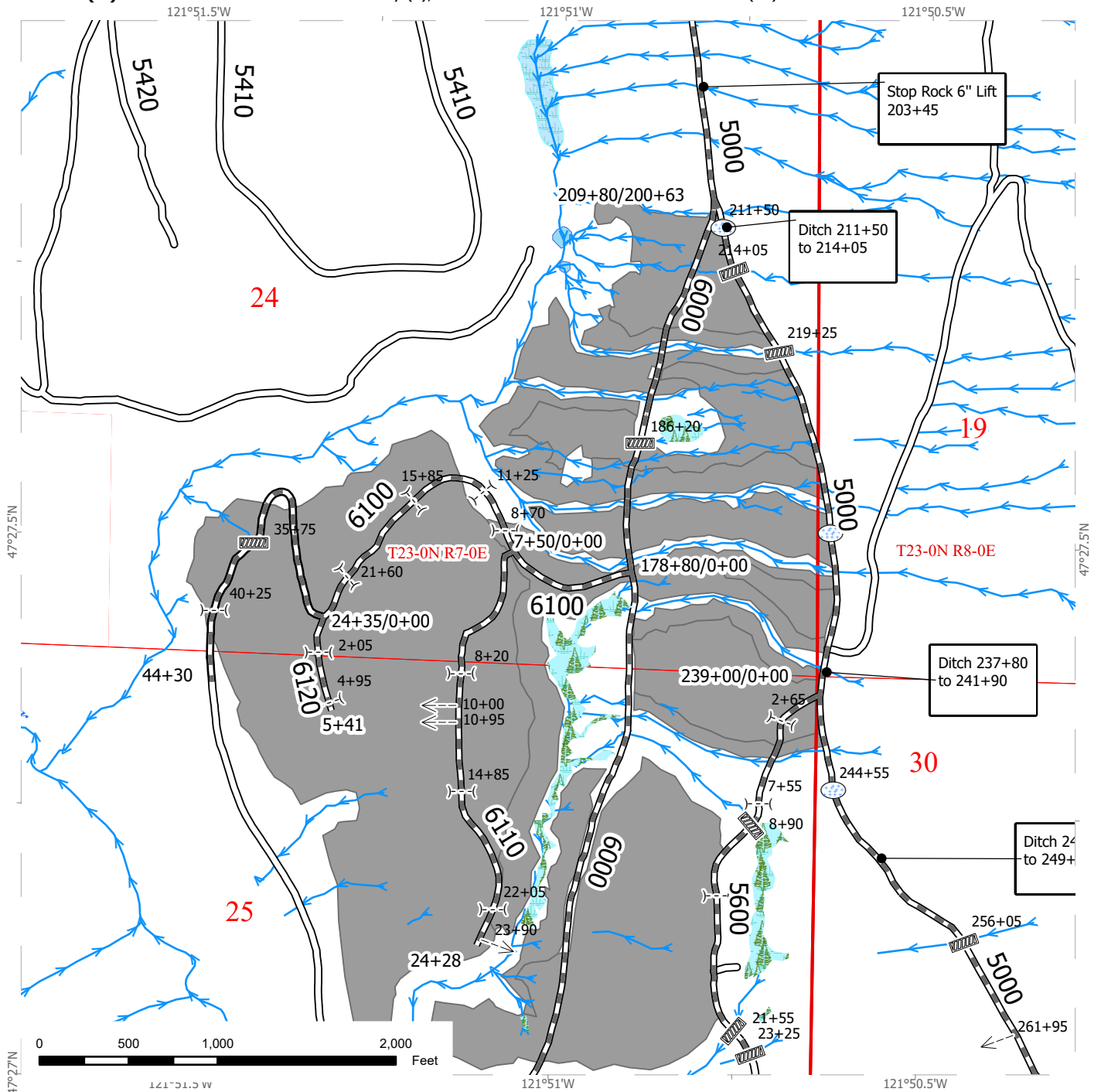
Existing Roads	Clean Culvert
Required Pre-Haul Maintenance	Streams
Public Land Survey Sections	Recreation Trail
Sale Area	State Lands - Bridges
Culvert	DNR Managed Lands



ROAD PLAN MAP

SALE NAME: BREWED AWAKENING VRH AND RMZ THIN
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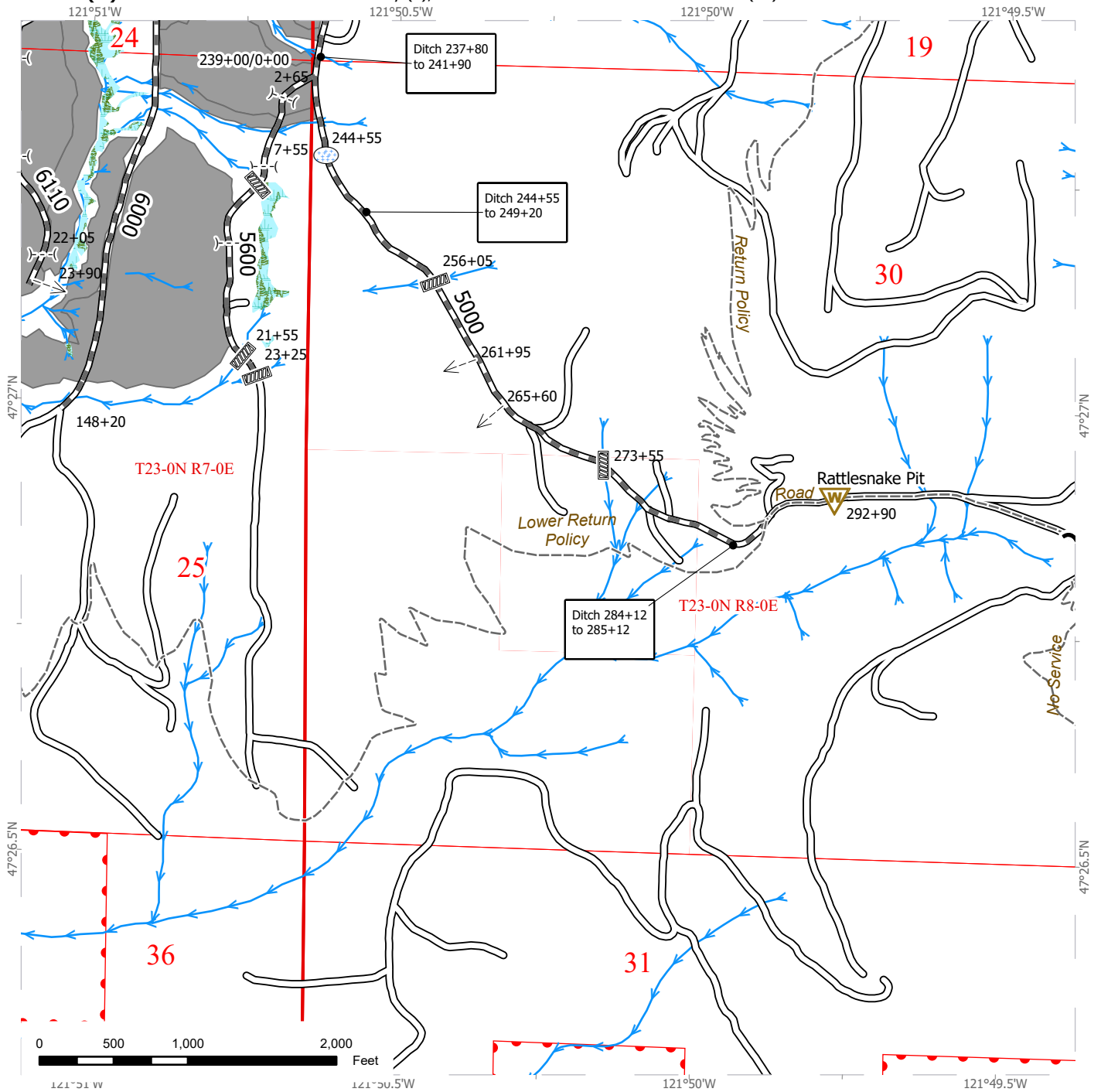
Existing Roads	Ditch Out
Required Pre-Haul Maintenance	Clean Culvert
Public Land Survey Sections	Forested Wetland
Sale Area	Streams
Culvert	DNR Managed Lands
Cross Drain	



ROAD PLAN MAP

SALE NAME: BREWED AWAKENING VRH AND RMZ THIN
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Existing Roads	Cross Drain	Streams
Required Pre-Haul Maintenance	Waste Area	Recreation Trail
Public Land Survey Sections	Ditch Out	State Lands - Bridges
Sale Area	Clean Culvert	DNR Managed Lands
Culvert	Forested Wetland	



STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

BREWED AWAKENING TIMBER SALE ROAD PLAN
KING COUNTY
SNOQUALMIE UNIT
RAINIER DISTRICT

AGREEMENT NO.: 30-104865

STAFF ENGINEER: ERIC BAUER

DATE: 06/01/2024

DRAWN & COMPILED BY: ERIC BAUER

SECTION 0 – SCOPE OF PROJECT

0-1 ROAD PLAN SCOPE

Clauses in this road plan apply to all road related work, including landings and rock source development, unless otherwise noted.

0-2 REQUIRED ROADS

The specified work on the following roads is required.

<u>Road</u>	<u>Stations</u>	<u>Type</u>
5000	0+00 to 292+90	Pre-Haul Maintenance Post-Haul Maintenance
5600	0+00 to 23+25	Pre-Haul Maintenance Post-Haul Maintenance
6000	148+20 to 200+63	Pre-Haul Maintenance Post-Haul Maintenance
6100	0+00 to 44+30	Pre-Haul Maintenance Post-Haul Maintenance
6110	0+00 to 24+28	Pre-Haul Maintenance Post-Haul Maintenance
6120	0+00 to 5+41	Pre-Haul Maintenance Post-Haul Maintenance

0-3 OPTIONAL ROADS

The specified work on the following roads is not required. Any optional roads used by the Purchaser must meet all the specifications in the road plan.

<u>Road</u>	<u>Stations</u>	<u>Type</u>
Landings	Any	Construction

0-4 CONSTRUCTION

Construction includes, but is not limited to.

- Clearing;
- Grubbing;
- Landing Construction
- Acquisition, manufacture, and application of rock.

0-6 PRE-HAUL MAINTENANCE

This project includes, but is not limited to the following pre-haul maintenance requirements:

- Cleaning ditches
- Cleaning culverts, and catchbasins
- Ditch reconstruction
- Reconstructing headwalls
- Constructing catchbasin and headwall
- Road Brushing
- Cross drain culvert replacement/installation
- Stream culvert replacement
- Grading and shaping existing road surface and turnouts
- Acquisition, manufacture, and application of rock

0-7 POST-HAUL MAINTENANCE

This project includes post-haul road maintenance listed in Clause 9-5 POST-HAUL MAINTENANCE.

0-12 DEVELOP ROCK SOURCE

Purchaser may develop an existing rock source. Rock source development will involve reducing oversize material, Clearing, Stripping and Crushing. Work for developing rock sources is listed in Section 6 ROCK AND SURFACING.

SECTION 1 – GENERAL

1-1 ROAD PLAN CHANGES

If the Purchaser desires a change from this road plan including, but not limited to, relocation, extension, change in design, or adding roads; a revised road plan must be submitted in writing to the Contract Administrator for consideration. Before work begins, Purchaser shall obtain approval from the State for any submitted plan that changes the scope of work or environmental condition from the original road plan.

1-2 UNFORESEEN CONDITIONS

Quantities established in this road plan are minimum acceptable values. Additional quantities required by the state due to unforeseen conditions, or Purchaser's choice of construction season or techniques will be at the Purchaser's expense. Unforeseen conditions include, but are not limited to, solid subsurface rock, subsurface springs, saturated ground, and unstable soils.

1-3 ROAD DIMENSIONS

Purchaser shall perform road work in accordance with the dimensions shown on the TYPICAL SECTION SHEET and the specifications within this road plan, unless controlled by construction stakes or design data (plan, profile, and cross-sections).

1-4 ROAD TOLERANCES

Purchaser shall perform road work within the tolerances listed below. The tolerance class for each road is listed on the TYPICAL SECTION SHEET.

<u>Tolerance Class</u>	<u>A</u>	<u>B</u>	<u>C</u>
Road and Subgrade Width (feet)	+1.5	+1.5	+2.0
Subgrade Elevation (feet +/-)	0.5	1.0	2.0
Centerline alignment (feet lt./rt.)	1.0	1.5	3.0

1-6 ORDER OF PRECEDENCE

Any conflict or inconsistency in the road plan will be resolved by giving the documents precedence in the following order:

1. Addenda.
2. Designs or Plans. On designs and plans, figured dimensions shall take precedence over scaled dimensions.
3. Road Plan Clauses.
4. Typical Section Sheet.
5. Standard Lists.
6. Standard Details.
7. Road Work Maps.

In case of any ambiguity or dispute over interpreting the road plan, the Contract Administrator’s or designee’s decision will be final.

1-7 TEMPORARY ROAD CLOSURE

Purchaser shall notify the Contract Administrator a minimum of 5 calendar days before the closure of any road. Construction may not close the following roads for more than the specified number of days.

<u>Road</u>	<u>Stations</u>	<u>Number of Allowable Closed Days</u>
5000	0+00 to 292+90	3

1-8 REPAIR OR REPLACEMENT OF DAMAGED MATERIALS

Purchaser shall repair or replace all materials, roadway infrastructure, and road components damaged during road work or operation activities. The Contract Administrator will direct repairs and replacements. Repairs to structural materials must be made in accordance with the manufacturer’s recommendation, and may not begin without written approval from the Contract Administrator.

1-9 DAMAGED METALLIC COATING

Any damaged galvanized or aluminized coating on existing or new bridge components, culverts, downspouts, and flumes must be cleaned and treated with a minimum of two coats of zinc rich paint.

SUBSECTION ROAD MARKING

1-16 CONSTRUCTION STAKES SET BY STATE

Purchaser shall perform work in accordance with the construction stakes and/or reference points set in the field for grade and alignment. Reconstruction of existing road grades must conform to the original location except where construction staked or designed.

<u>Road</u>	<u>Stations</u>	<u>Type</u>
All Pre-haul	All	2"x48" Wooden Lath

SUBSECTION TIMING

1-20 COMPLETE BY DATE

Purchaser shall complete pre-haul road work before the start of timber haul.

1-21 HAUL APPROVAL

Purchaser shall not use roads under this road plan for any hauling, other than timber cut on the right-of-way, without written approval from the Contract Administrator.

1-22 WORK NOTIFICATIONS

Purchaser shall notify the Contract Administrator a minimum of 5 calendar days before the following work:

<u>Road</u>	<u>Stations</u>
Rattlesnake Pit	Drilling and Blasting

1-23 ROAD WORK PHASE APPROVAL

Purchaser shall obtain written approval from the Contract Administrator upon completion of each of the following phases of road work:

- Drainage installation
- Subgrade compaction
- Rock compaction
- Haul approval

SUBSECTION RESTRICTIONS

1-25 ACTIVITY TIMING RESTRICTION

The specified activities are not allowed during the listed closure period(s) unless authorized in writing by the Contract Administrator. The operation of road construction equipment is also not allowed on weekends or state recognized holidays, unless authorized in writing by the Contract Administrator

<u>Road</u>	<u>Activity</u>	<u>Closure Period</u>
All Roads	Operation of road construction equipment and Rock Haul	November 1 to April 30

1-26 OPERATING DURING CLOSURE PERIOD

If permission is granted to operate during a closure period listed in Clause 1-25 ACTIVITY TIMING RESTRICTION or Contract Clause H-130 HAULING SCHEDULE, Purchaser shall comply with a maintenance plan, when a plan is determined necessary by the Contract Administrator, to include further protection of state resources. Purchaser shall obtain written approval from the Contract Administrator for the maintenance plan, and shall put preventative measures in place before operating during the closure period. Purchaser is required to maintain all haul roads at their own expense.

1-29 SEDIMENT RESTRICTION

Purchaser shall not allow silt-bearing runoff to enter any streams. Purchaser shall accomplish sediment removal through silt traps, silt fences, settling ponds, or other methods as approved, in writing by the Contract Administrator.

1-30 CLOSURE TO PREVENT DAMAGE

In accordance with Contract Clause G-220 STATE SUSPENDS OPERATION, the Contract Administrator will suspend road work or hauling right-of-way timber, forest products, or rock under the following conditions:

- Surface or base stability problems persist.
- Weather is such that satisfactory results cannot be obtained in an area of operations.

Operations must stop unless authority to continue working or hauling is granted in writing by the Contract Administrator. In the event that surface or base stability problems persist, Purchaser shall cease operations, or perform corrective maintenance or repairs, subject to specifications within this road plan. Before and during any suspension, Purchaser shall protect the work from damage or deterioration.

1-32 BRIDGE AND ASPHALT SURFACE RESTRICTION

The use of metal tracked equipment is not allowed on bridge or asphalt surfaces at any time. If Purchaser must run equipment on bridge or asphalt surfaces, then rubber tired equipment or other methods, approved in writing by Contract Administrator, must be used.

Purchaser shall remove any dirt, rock, or other material tracked or spilled on the bridge or asphalt surface(s) and have surface(s) evaluated for any damage caused by transporting equipment. Any damage to the surface(s) will be repaired, at the Purchaser's expense, as directed by the Contract Administrator.

1-33 SNOW PLOWING RESTRICTION

Snowplowing will be allowed after the execution of a SNOW PLOWING AGREEMENT, which is available from the Contact Administrator upon request. Purchaser shall request a SNOW PLOWING AGREEMENT each time plowing occurs. If damage occurs while plowing, further permission to plow may be revoked by the Contract Administrator.

SUBSECTION OTHER INFRASTRUCTURE

1-40 ROAD APPROACHES TO COUNTY ROADS AND STATE HIGHWAYS

Purchaser shall immediately remove any mud, dirt, rock, or other material tracked or spilled on to county roads and state highways.

If additional damage to the surface, signs, guardrails, etc. occurs then the damage will be repaired, at the Purchaser’s expense, as directed by the Contract Administrator when authorized by the county or WSDOT.

SECTION 2 – MAINTENANCE

2-1 GENERAL ROAD MAINTENANCE

Purchaser shall maintain all roads used under this contract in accordance with the FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS for the entire term of this contract. Maintenance is required even during periods of inactivity.

2-2 ROAD MAINTENANCE – PURCHASER MAINTENANCE

Purchaser shall perform maintenance on roads listed in Contract Clause C-050 PURCHASER ROAD MAINTENANCE AND REPAIR in accordance with FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS.

2-4 PASSAGE OF LIGHT VEHICLES

Purchaser shall maintain the following road in a condition that will allow the passage of light administrative vehicles, except during the 1-7 TEMPORARY ROAD CLOSURE.

<u>Road</u>	<u>Stations</u>
5000	0+00 to 292+90
6000	148+20 to 200+63

2-5 MAINTENANCE GRADING – EXISTING ROAD

On the following road(s), Purchaser shall use a grader to shape the existing surface before rock application and/or timber haul.

<u>Road</u>	<u>Stations</u>	<u>Requirements</u>
5000	55+15 to 292+90	Grade before application of rock
5600	0+00 to 23+25	Grade before application of rock
6000	148+20 to 200+63	Grade before application of rock
6100	0+00 to 44+30	Grade before application of rock
6110	0+00 to 24+28	Grade before application of rock
6120	0+00 to 5+41	Grade before application of rock

2-6 CLEANING CULVERTS

On the following road(s), Purchaser shall clean the inlets and outlets of listed culverts before timber haul:

<u>Road</u>	<u>Stations</u>
5000	211+50,229+85,244+55
6000	All Stations

2-7 CLEANING DITCHES, HEADWALLS, AND CATCH BASINS

On the following road(s), Purchaser shall clean ditches, headwalls, catchbasins, and outlets. Work must be completed before the application of rock and/or timber haul and must be done in accordance with the TYPICAL SECTION SHEET and CULVERT AND DRAINAGE SPECIFICATION DETAIL. Pulling ditch material across the road or mixing in with the road surface is not allowed.

<u>Road</u>	<u>Stations</u>
5000	133+85 to 134+35
5000	147+80 to 151+15
5000	194+05 to 196+05
5000	211+50 to 214+05
5000	237+80 to 241+90
5000	244+55 to 249+20
5000	284+12 to 285+12
5600	0+00 to 13+65
6000	148+20 to 200+63
6100	0+00 to 44+30
6120	0+00 to 5+41

2-8 MAINTAINING EROSION CONTROL STRUCTURES

On the following road(s), Purchaser shall clean and maintain all erosion control structures. Work must be completed before timber haul. Excavated material must be scattered outside the grubbing limits.

<u>Road</u>	<u>Stations</u>	<u>Comments</u>
5000	261+95	Improve Ditch-out Right
5000	265+60	Improve Ditch-out Right
6110	10+00	Improve Ditch-out Right
6110	10+95	Improve Ditch-out Left and Right
6110	23+90	Improve Ditch-out Left

SECTION 3 – CLEARING, GRUBBING, AND DISPOSAL

SUBSECTION BRUSHING

3-1 BRUSHING

On the following road(s), Purchaser shall cut vegetative material up to 3 inches in diameter, including limbs, as shown on the BRUSHING DETAIL. Brushing must be achieved by manual or mechanical cutting of brush, trees, and branches. Root systems and stumps of cut vegetation may not be disturbed unless directed by the Contract Administrator. Purchaser shall remove brushing debris from the road surface, ditchlines, and culvert inlets and outlets.

<u>Road</u>	<u>Stations</u>
5000	0+00 to 292+90
5600	0+00 to 23+25
6000	148+20 to 200+63
6100	0+00 to 44+30
6110	0+00 to 24+28
6120	0+00 to 5+41

SUBSECTION CLEARING

3-5 CLEARING

Purchaser shall fall all vegetative material larger than 2 inches DBH or over 5 feet high between the marked right-of-way boundaries or if not marked in the field, between the clearing limits specified on the TYPICAL SECTION SHEET. Clearing must be completed before starting excavation and embankment.

3-8 PROHIBITED DECKING AREAS

Purchaser shall not deck right-of-way timber in the following areas:

- Within the grubbing limits.
- Within 50 feet of any stream.
- In locations that interfere with the construction of the road prism.
- In locations that impede drainage.
- Against state owned standing trees.

SUBSECTION GRUBBING

3-10 GRUBBING

Purchaser shall remove all stumps between the grubbing limits specified on the TYPICAL SECTION SHEET and within waste and debris areas. Purchaser shall also remove stumps with undercut roots outside the grubbing limits. Grubbing must be completed before starting excavation and embankment.

SUBSECTION ORGANIC DEBRIS

3-20 ORGANIC DEBRIS DEFINITION

Organic debris is defined as all vegetative material not eligible for removal by Contract Clause G-010 PRODUCTS SOLD AND SALE AREA or G-011 RIGHT TO REMOVE FOREST PRODUCTS AND CONTRACT AREA, that is larger than one cubic foot in volume within the grubbing limits as shown on the TYPICAL SECTION SHEET.

3-21 DISPOSAL COMPLETION

Purchaser shall remove organic debris from the road surface, ditchlines, and culvert inlets and outlets. Purchaser shall complete all disposal of organic debris, before the application of rock and/or timber haul.

3-23 PROHIBITED DISPOSAL AREAS

Purchaser shall not place organic debris in the following areas:

- Within 50 feet of a cross drain culvert.
- Within 100 feet of a live stream, or wetland.
- On road subgrades, or excavation and embankment slopes.
- On slopes greater than 55%.
- On locations where brush can fall into the ditch or onto the road surface.
- Against State owned standing timber.

3-24 BURYING ORGANIC DEBRIS RESTRICTED

Purchaser shall not bury organic debris unless otherwise stated in this plan.

3-25 SCATTERING ORGANIC DEBRIS

Purchaser shall scatter organic debris outside of the clearing limits in natural openings. Where natural openings are unavailable or restrictive, alternate debris disposal methods are subject to the written approval of the Contract Administrator.

SECTION 4 – EXCAVATION

4-2 PIONEERING

Pioneering may not extend past construction that will be completed during the current construction season. In addition, the following actions must be taken as pioneering progresses:

- Drainage must be provided on all uncompleted construction as approved, in writing, by the Contract Administrator.
- Road pioneering operations may not undercut the final cut slope, deposit excavated material outside the grubbing limits, or restrict drainage.
- Culverts at live stream crossings must be installed during pioneering operations

4-3 ROAD GRADE AND ALIGNMENT STANDARDS

Purchaser shall follow these standards for road grade and alignment except as designed:

- Grade and alignment must have smooth continuity, without abrupt changes in direction.
- Maximum grades may not exceed 18 percent favorable and 15 percent adverse.
- Minimum curve radius is 60 feet at centerline.
- Maximum grade change for sag vertical curves is 6% in 100 feet.
- Maximum grade change for crest vertical curves is 4% in 100 feet.

4-5 CUT SLOPE RATIO

Purchaser shall construct excavation slopes no steeper than shown on the following table:

<u>Material Type</u>	<u>Excavation Slope Ratio</u>	<u>Excavation Slope Percent</u>
Common Earth (on side slopes up to 55%)	1:1	100
Common Earth (56% to 70% side slopes)	¾:1	133
Common Earth (on slopes over 70%)	½:1	200
Fractured or loose rock	½:1	200
Hardpan or solid rock	¼:1	400

4-6 EMBANKMENT SLOPE RATIO

Purchaser shall construct embankment slopes no steeper than shown on the following table:

<u>Material Type</u>	<u>Embankment Slope Ratio</u>	<u>Embankment Slope Percent</u>
Sandy Soils	2:1	50
Common Earth and Rounded Gravel	1½:1	67
Angular Rock	1¼:1	80

4-7 SHAPING CUT AND FILL SLOPE

Purchaser shall construct excavation and embankment slopes to a uniform line and left rough for easier revegetation.

4-8 CURVE WIDENING

The minimum widening placed on the inside of curves is:

- 6 feet for curves of 50 to 79 feet radius.
- 4 feet for curves of 80 to 100 feet radius.

4-9 EMBANKMENT WIDENING

The minimum embankment widening is:

- 2 feet for embankment heights at centerline of less than 6 feet.
- 4 feet for embankment heights at centerline of 6 feet or greater.

Purchaser shall apply embankment widening equally to both sides of the road to achieve the required width.

SUBSECTION DITCH CONSTRUCTION

4-25 DITCH CONSTRUCTION AND RECONSTRUCTION

On the following road(s), Purchaser shall construct and/or reconstruct ditches into the subgrade as specified on the TYPICAL SECTION SHEET. Ditches must be constructed concurrently with construction of the subgrade.

<u>Road</u>	<u>Stations</u>
6110	0+00 to 4+20
6110	5+55 to 15+65
6110	20+55 to 24+28

4-28 DITCH DRAINAGE

Ditches shall be constructed concurrently with construction of the subgrade. Ditches must drain to cross-drain culverts or ditchouts.

SUBSECTION SHAPING

4-55 ROAD SHAPING

Purchaser shall shape each lift of the subgrade and surface as shown on the TYPICAL SECTION SHEET. The subgrade and surface shape must ensure runoff in an even, un-concentrated manner, and must be uniform, firm, and rut-free.

4-56 DRY WEATHER SHAPING

At any time of year, the Contract Administrator may require the application of water to facilitate shaping activities. The method of water application is subject to written approval by the Contract Administrator.

SUBSECTION COMPACTION

4-60 FILL COMPACTION

Purchaser shall compact all embankment and waste material in accordance with the COMPACTION LIST by routing equipment over the entire width of each lift. Waste material may be placed by end-dumping or sidecasting until sufficiently wide enough to support the equipment.

4-61 SUBGRADE COMPACTION

Purchaser shall compact constructed subgrades in accordance with the COMPACTION LIST by routing equipment over the entire width except ditch. On fills deeper than 5 feet at the road shoulder Purchaser shall compact fill material in lifts no greater than 18 inches. Purchaser shall obtain written approval from the Contract Administrator for subgrade compaction before rock application.

4-62 DRY WEATHER COMPACTION

At any time of year, the Contract Administrator may require the application of water to facilitate compaction activities. The method of water application is subject to written approval by the Contract Administrator.

SECTION 5 – DRAINAGE

5-1 REMOVAL OF SHOULDER BERMS

Purchaser shall remove berms from road shoulders to permit escape of runoff.

SUBSECTION CULVERTS

5-5 CULVERTS

Purchaser shall install culverts as part of this contract. Culverts must be installed concurrently with subgrade work and must be installed before subgrade compaction and rock application. Culvert locations and the minimum requirements for culvert length and diameter are designated on the CULVERT AND DRAINAGE LIST. Culvert, downspout, and flume lengths may be adjusted to fit as-built conditions and may not terminate directly on unprotected soil. Culverts must meet the specifications in Clauses 10-15 through 10-23.

5-12 UNUSED MATERIALS STATE PROPERTY

On required roads, any materials listed on the CULVERT AND DRAINAGE SPECIFICATION DETAIL and materials listed in Clause 5-13 CONTINGENCY CULVERTS that are not installed shall become the property of the state. Purchaser shall stockpile materials as directed by the Contract Administrator.

5-13 CONTINGENCY CULVERTS

The following culverts will be supplied by the Purchaser and are available for installation as directed by the Contract Administrator.

<u>Road</u>	<u>Size</u>
On any portion of road used for timber or rock haul	<ul style="list-style-type: none"> • 18"x30' culvert • 24"x40' culvert • 18" culvert band • 24" culvert band

SUBSECTION CULVERT INSTALLATION

5-15 CULVERT INSTALLATION

Culvert, downspout, flume and energy dissipator installation must be in accordance with the CULVERT AND DRAINAGE SPECIFICATION DETAIL and the Corrugated Polyethylene Pipe Association's "Recommended Installation Practices for Corrugated Polyethylene Pipe and Fittings". All culverts shall be banded using lengths of no less than 10 feet, and no more than one length less than 16 feet. Shorter section of banded culvert shall be installed at the inlet end.

5-16 APPROVAL FOR LARGER CULVERT INSTALLATION

Purchaser shall obtain written approval from the Contract Administrator for the installation of culverts 30 inches in diameter and over before backfilling.

5-17 CROSS DRAIN SKEW AND SLOPE

Cross drains, on road grades in excess of 3%, must be skewed at least 30 degrees from perpendicular to the road centerline, except where the cross drain is at the low point in the road culverts will not be skewed. Cross drain culverts must be installed at a slope steeper than the incoming ditch grade, but not less than 3% or more than 12%.

5-18 CULVERT DEPTH OF COVER

Cross drain culverts must be installed with a depth of cover of not less than 1 foot of compacted subgrade over the top of the culvert at the shallowest point. Stream crossing culverts must be installed with a depth of cover recommended by the culvert manufacturer for the type and size of the pipe.

SUBSECTION CATCH BASINS, HEADWALLS, AND ARMORING

5-25 CATCH BASINS

Purchaser shall construct catch basins to resist erosion in accordance with CULVERT AND DRAINAGE SPECIFICATION DETAIL. Minimum dimensions of catch basins are 2 feet wide and 4 feet long.

5-26 HEADWALLS FOR CULVERTS

Purchaser shall construct headwalls in accordance with the CULVERT AND DRAINAGE SPECIFICATION DETAIL at all culverts on the CULVERT LIST that specify the placement of rock.

5-27 ARMORING FOR STREAM CROSSING CULVERTS

At the following culvert(s), Purchaser shall place armoring immediately following construction of the embankment. Rock must be placed on shoulders, slopes, and around culvert inlets and outlets as designated on the CULVERT LIST. Rock may not restrict the flow of water into culvert inlets or catch basins. Rock must be set in place by machine.

<u>Road</u>	<u>Stations</u>	<u>Rock Type</u>
5000	102+00	Quarry Spalls
5000	191+10	Quarry Spalls
5000	214+05	Quarry Spalls
5000	219+25	Quarry Spalls
5000	256+05	Quarry Spalls
5000	273+55	Quarry Spalls
5600	8+90	Quarry Spalls
5600	21+55	Quarry Spalls
5600	23+25	Quarry Spalls
6000	186+20	Quarry Spalls
6100	35+75	Quarry Spalls

SECTION 6 – ROCK AND SURFACING

SUBSECTION ROCK SOURCE

6-2 ROCK SOURCE ON STATE LAND

Rock used in accordance with the quantities on the ROCK LIST may be obtained from the following source(s) on state land at no charge to the Purchaser. Purchaser shall obtain written approval from the Contract Administrator for the use of material from any other source. If other operators are using, or desire to use the rock source(s), a joint operating plan must be developed. All parties shall follow this plan. Purchaser shall notify the Contract Administrator a minimum of 5 calendar days before starting any operations in the listed locations.

<u>Source</u>	<u>Location</u>	<u>Rock Type</u>
Rattlesnake Pit	NW ¼ SE ¼ of Sec 30 T23NR08E W.M.	2 Inch Minus 3 Inch Minus Select Pit Run Quarry Spalls

6-3 ROCK SOURCE STATE LAND, EXISTING STOCKPILE

Rock used in accordance with the quantities on the ROCK LIST may be obtained from the following existing stockpile(s) on state land at no charge to the Purchaser. Purchaser shall not remove additional yardage without prior written approval from the Contract Administrator.

<u>Source</u>	<u>Location</u>	<u>Rock Type</u>	<u>Quantity</u>
Rattlesnake Pit	NW ¼ SE ¼ of Sec 30 T23NR08E W.M.	Shot Rock (to be crushed)	1500 Cubic Yards

6-5 ROCK FROM COMMERCIAL SOURCE

Rock used in accordance with the quantities on the ROCK LIST may be obtained from any commercial source at the Purchaser's expense. Rock sources are subject to written approval by the Contract Administrator before their use.

SUBSECTION ROCK SOURCE DEVELOPMENT

6-10 ROCK SOURCE DEVELOPMENT PLAN BY STATE

Purchaser shall conduct rock source development and use at the following sources, in accordance with the written ROCK SOURCE DEVELOPMENT PLAN prepared by the state and included in this road plan. Upon completion of operations, the rock source must be left in the condition specified in the ROCK SOURCE DEVELOPMENT PLAN, and approved in writing by the Contract Administrator. Purchaser shall notify the Contract Administrator a minimum of 5 calendar days before starting any operations in the rock source.

<u>Source</u>	<u>Location</u>	<u>Rock Type</u>
Rattlesnake Pit	NW ¼ SE ¼ of Sec 30 T23NR08E W.M.	2 Inch Minus 3 Inch Minus Select Pit Run Quarry Spalls

6-12 ROCK SOURCE SPECIFICATIONS

Rock sources must be in accordance with the following specifications , unless otherwise specified in the ROCK SOURCE DEVELOPMENT PLAN:

- Pit walls may not be undermined or over steepened. The maximum slope of the walls must be consistent with recognized engineering standards for the type of material being excavated in accordance with the following table:

Material	Maximum Slope Ratio (Horiz. :Vert.)	Maximum Slope Percent
Sand	2:1	50
Gravel	1.5:1	67
Common Earth	1:1	100
Fractured Rock	0.5:1	200
Solid Rock	0:1	vertical

- Pit walls must be maintained in a condition to minimize the possibility of the walls sliding or failing.
- The width of pit benches must be a minimum of 1.5 times the maximum length of the largest machine used.
- The surface of pit floors and benches must be uniform and free-draining at a minimum 2% outslope gradient.
- All operations must be carried out in compliance with all regulations of the Regulations and Standards Applicable to Metal and Nonmetal Mining and Milling Operations (30 CFR) U.S. Department of Labor, Mine Safety and Health Administration and Safety Standards for Construction Work (296-155 WAC), Washington Department of Labor and Industries.
- All vehicle access to the top of the pit faces must be blocked.

6-14 DRILL AND SHOOT

Rock drilling and shooting must meet the following specifications:

- Oversize material remaining in the rock source at the conclusion of the timber sale may not exceed 600 cubic yards.
- Oversize material is defined as rock fragments larger than two feet in any dimension.
- Oversized rock that exceeds the maximum allowable amount must be reduced to a smaller size within the rock source.
- Purchaser shall notify the Contract Administrator a minimum of 5 calendar days before blasting operations.
- Purchaser shall submit an informational drilling and shooting plan to the Contract Administrator 5 calendar days before any drilling. The drilling and shooting plan must include, at a minimum, the mapped location and spacing of all holes to be loaded, the type of blasting agent used, the powder factor calculated and the units of same, stem amount held per hole. After drilling, the type of rock encountered while drilling e.g. hard black, soft brown, etc shall be amended to submitted plan.
- All operations must be carried out in compliance with the Regulations and Standards Applicable to Metal and Nonmetal Mining and Milling Operations (30 CFR) U.S. Department of Labor, Mine Safety and Health Administration and the Safety Standards for Construction Work (296-155 WAC), Washington Department of Labor and Industries.
- Purchaser shall block access roads before blasting operations.

SUBSECTION ROCK MANUFACTURE

6-20 ROCK GRADATION TYPES

Purchaser shall manufacture rock in accordance with the types and amounts listed in the ROCK LIST. Rock must meet the following specifications for gradation and uniform quality when placed in hauling vehicles. Purchaser shall provide a sieve analysis upon request from the Contract Administrator.

6-23 ROCK CRUSHING OPERATIONS

Rock crushing operations must conform to the following specifications:

- Operations and placement of oversize material must be conducted in or near the rock source site, as approved in writing by the Contract Administrator.
- The crushing operation must be concluded within 30 working days from the time it begins.

SUBSECTION ROCK GRADATIONS

6-30 2-INCH MINUS CRUSHED ROCK

% Passing 2" square sieve	100%
% Passing 1" square sieve	55 - 75%
% Passing U.S. #4 sieve	20 - 45%

Of the fraction passing the No. 4 sieve, 40% to 60% must pass the No. 10 sieve.

The portion of aggregate retained on the No. 4 sieve may not contain more than 0.2 percent organic debris and trash. All percentages are by weight.

6-33 3-INCH MINUS CRUSHED ROCK

% Passing 3" square sieve	100%
% Passing 1½" square sieve	55 - 75%
% Passing U.S. #4 sieve	15 - 45%

Of the fraction passing the No. 4 sieve, 40% to 60% must pass the No. 10 sieve.

The portion of aggregate retained on the No. 4 sieve may not contain more than 0.2 percent organic debris and trash. All percentages are by weight.

6-41 SELECT PIT RUN ROCK

No more than 50 percent of the rock may be larger than 8 inches in any dimension and no rock may be larger than 12 inches in any dimension. Select Pit Run rock may not contain more than 5 percent by weight of organic debris and trash. Rock may require processing to meet this specification.

6-43 QUARRY SPALLS

% Passing 8" square sieve	100%
% Passing 3" square sieve	40% maximum
% Passing 3/4" square sieve	10% maximum

Rock may not contain more than 5 percent vegetative debris or trash. All percentages are by weight.

SUBSECTION ROCK MEASUREMENT

6-55 ROCK APPLICATION MEASURED BY COMPACTED DEPTH

Measurement of specified rock depths, are defined as the compacted depth(s) using the compaction methods required in this road plan. Estimated quantities specified in the ROCK LIST are compacted yards. Purchaser shall apply adequate amounts of rock to meet the specified rock depths. Specified rock depths are minimum requirements and are not subject to reduction.

SUBSECTION ROCK APPLICATION

6-70 APPROVAL BEFORE ROCK APPLICATION

Purchaser shall obtain written approval from the Contract Administrator for subgrade including: ditches, headwalls, catch basins, culverts, energy dissipaters, ditch-outs, subgrade shaping and compacting before rock application.

6-71 ROCK APPLICATION

Purchaser shall apply rock in accordance with the specifications and quantities shown on the ROCK LIST. Rock must be spread, shaped, and compacted full width concurrent with rock hauling operations. The Contract Administrator will direct locations for rock that is to be applied as spot patching. Road surfaces must be compacted in accordance with the COMPACTION LIST by routing equipment over the entire width.

6-73 ROCK FOR WIDENED PORTIONS

Purchaser shall apply rock to turnarounds, turnouts, and areas with curve widening to the same depth and specifications as the traveled way.

6-76 PREHAUL ROCK APPLICATION

On the following road(s), prior to timber haul, Purchaser shall apply rock in accordance with the quantities shown on the ROCK LIST. After rock has been applied and shaped, Purchaser shall compact maintained road surfaces in accordance with the COMPACTION LIST by routing equipment over the entire width. Rock shall be compacted prior to timber haul.

<u>Road</u>	<u>Stations</u>
5000	55+15 to 71+65
5000	85+80 to 90+95
5000	119+30 to 127+70
5000	138+20 to 139+50
5000	191+10 to 203+45
5600	0+00 to 23+25
6000	148+20 to 200+63
6100	0+00 to 44+30
6110	0+00 to 24+28
6120	0+00 to 5+41

SECTION 7 – STRUCTURES

SUBSECTION STREAM CROSSING STRUCTURES GENERAL

7-5 STRUCTURE DEBRIS

Purchaser shall not allow debris from the installation or removal of structures to enter any stream. Purchaser shall maintain a clean jobsite, with all materials stored away from the high water mark or other area presenting a risk of the materials entering a stream. Debris entering any stream must be removed immediately, and placed in the site(s) designated for stockpiling or disposal. Purchaser shall retrieve all material carried downstream from the jobsite.

7-6 STREAM CROSSING INSTALLATION

Purchaser shall install stream crossing structures in accordance with the manufacturer's requirements and according to Forest Practice Permit.

7-7 BANK PROTECTION FOR STREAM CROSSING STRUCTURES

Purchaser must construct bank protection in accordance with the stream crossing, design, specifications, and details to prevent the undermining of the structure.

7-57 CULVERT SHAPE CONTROL

Purchaser shall monitor the culvert shape during backfill and compaction. Special attention must be paid to maintaining the structure's rise dimensions, concentricity, and smooth uniform curvature. If compaction methods are resulting in peaking or deflection of the culvert, Purchaser shall modify the compaction method to achieve the appropriate end result.

SUBSECTION GATES AND FENCES

7-71 GATE CLOSURE DURING HAUL

On the following road(s), Purchaser shall keep gates closed and locked except during active haul. If the Purchaser elects to use an alternative plan for gate security, the Purchaser must submit a detailed plan to the Contract Administrator for written approval.

<u>Road</u>	<u>Station</u>	<u>Gate No.</u>
5000	1+41	832
5000	50+80	835

SECTION 8 – EROSION CONTROL

8-2 PROTECTION FOR EXPOSED SOIL

Purchaser shall provide and evenly spread a 3 inch layer of straw to all exposed soils that have potential to deliver to typed water.

SUBSECTION REVEGETATION

8-15 REVEGETATION

On the following road(s), Purchaser shall spread grass seed and 3 inch layer of straw on all exposed soils that have the potential to deliver to typed water. Seed shall be covered within 3 days of application. Alternative methods of seeding and mulching must be approved in writing by the Contract Administrator.

<u>Road</u>	<u>Location</u>	<u>Qty</u>	<u>Type</u>	<u>Comments</u>
5000	102+00	50 lb/acre	Pasture Mix	Apply when constructed
5000	191+10	50 lb/acre	Pasture Mix	Apply when constructed
5000	214+05	50 lb/acre	Pasture Mix	Apply when constructed
5000	219+25	50 lb/acre	Pasture Mix	Apply when constructed
5000	256+05	50 lb/acre	Pasture Mix	Apply when constructed
5000	273+55	50 lb/acre	Pasture Mix	Apply when constructed
5600	8+90	50 lb/acre	Pasture Mix	Apply when constructed
5600	21+55	50 lb/acre	Pasture Mix	Apply when constructed
5600	23+25	50 lb/acre	Pasture Mix	Apply when constructed
6000	186+20	50 lb/acre	Pasture Mix	Apply when constructed
6100	35+75	50 lb/acre	Pasture Mix	Apply when constructed

8-16 REVEGETATION SUPPLY

The Purchaser shall provide the seed Pasture mix seed and straw.

8-17 REVEGETATION TIMING

Purchaser shall revegetate immediately after road work is completed unless alternative plan approved in writing by the Contract Administrator. Soils may not be allowed to sit exposed for longer than one month without receiving revegetation treatment unless otherwise approved in writing by the Contract Administrator.

SECTION 9 – POST-HAUL ROAD WORK

SUBSECTION STRUCTURES

9-3 CULVERT MATERIAL REMOVED FROM STATE LAND

Culverts removed from roads become the property of the Purchaser and must be removed from state land.

9-5 POST-HAUL MAINTENANCE

Purchaser shall perform post-haul maintenance in accordance with the FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS and as specified below.

<u>Road</u>	<u>Stations</u>	<u>Additional Requirements</u>
5000	0+00 to 292+90	Post-haul grading & Ditch reconstruction
5600	0+00 to 23+25	Post-haul grading & Ditch reconstruction
6000	148+20 to 200+63	Post-haul grading & Ditch reconstruction
6100	0+00 to 44+30	Post-haul grading & Ditch reconstruction
6110	0+00 to 24+28	Post-haul grading & Ditch reconstruction
6120	0+00 to 5+41	Post-haul grading & Ditch reconstruction

SUBSECTION POST-HAUL LANDING MAINTENANCE

9-10 LANDING DRAINAGE

Purchaser shall provide for drainage of the landing surface.

SECTION 10 MATERIALS

SUBSECTION CULVERTS

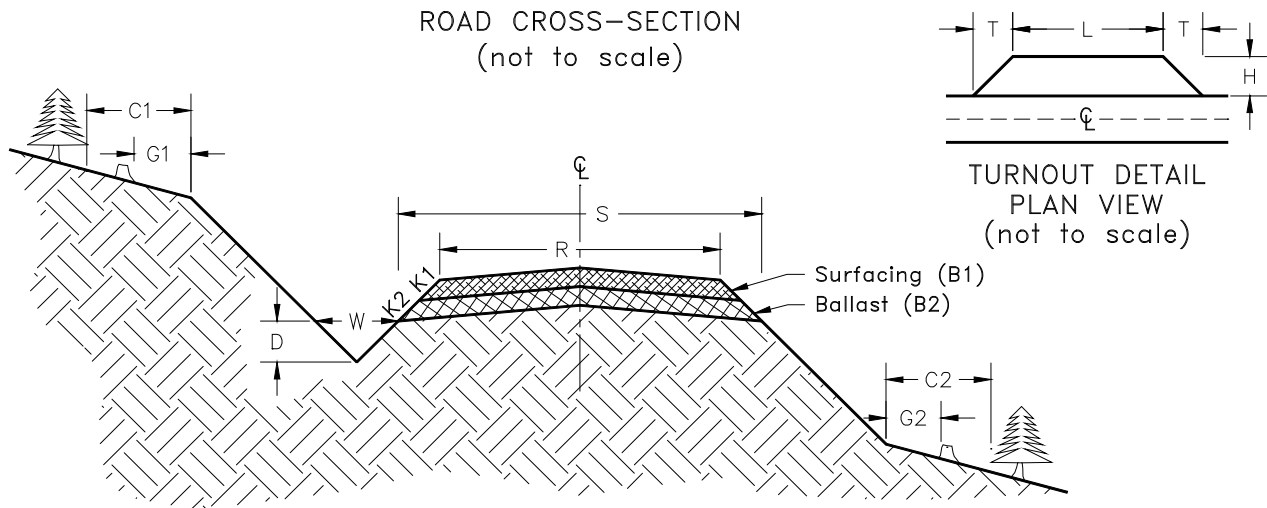
10-17 CORRUGATED PLASTIC CULVERT

Polyethylene culverts must meet AASHTO M-294 specifications, or ASTM F-2648 specifications for recycled polyethylene. Culvert segments must be Type S – double walled with a corrugated exterior and smooth interior.

10-22 PLASTIC BAND

Plastic coupling and end bands must meet the AASHTO specification designated for the culvert. Only fittings supplied or recommended by the culvert manufacturer may be used. Couplings must be split coupling band. Split coupling bands must have a minimum of four corrugations, two on each side of the pipe joint.

TYPICAL SECTION SHEET (pg 1 of 1)



Road Number	From Station	To Station	Tolerance Class	Subgrade		Ditch		Crown in. @ CL	Grubbing Limits (feet)		Clearing Limits (feet)		Cut Slope Ratio	Fill Slope Ratio
				Width (feet)	Width (feet)	Width (feet)	Depth (feet)		G1	G2	C1	C2		
				S	R	W	D						Clause	Clause
5000	0+00	12+00	C	16	12	3	1	4					4-5	4-6
5000	12+00	48+30	C	21	18	3	1	4					4-5	4-6
5000	48+30	292+90	C	16	12	3	1	4					4-5	4-6
5600	0+00	23+25	C	16	12	3	1	4					4-5	4-6
6000	148+20	200+63	C	16	12	3	1	4					4-5	4-6
6100	0+00	44+30	C	16	12	3	1	4					4-5	4-6
6110	0+00	24+28	C	16	12	3	1	4					4-5	4-6
6120	0+00	5+41	C	16	12	3	1	4					4-5	4-6

ROCK LIST

BALLAST

Road Number	From Station	To Station	Rock Slope	Compacted Rock Depth	C.Y./ Station	# of Stations	C.Y. Subtotal	Rock Source	Turnout		
									Length	Width	Taper
			K2	B2	Select Pit Run				L	H	T
Landings and Turnouts*							300	Rattlesnake Pit or Commercial			
					Quarry Spalls						
Culvert Headwalls and Dissapators							92				

Pit Run Total 300 Cubic Yards
 Quarry Spalls Total 92 Cubic Yards
 Ballast Total 392 Cubic Yards

SURFACE

Road Number	From Station	To Station	Rock Slope	Compacted Rock Depth	C.Y./ Station	# of Stations	C.Y. Subtotal	Rock Source	Turnout			
									Length	Width	Taper	
			K1	B1	2 Inch Minus				L	H	T	
5000	55+15	71+65	1 ½ :1	6"	26	16.5	429	Rattlesnake Pit or Commercial				
5000	85+80	90+95	1 ½ :1	6"	26	5+15	134					
5000	119+30	127+70	1 ½ :1	4"	18	8.4	152					
5000	138+20	139+50	1 ½ :1	4"	18	1.3	24					
5000	191+10	203+45	1 ½ :1	6"	26	12.35	321					
5600	0+00	23+25	1 ½ :1	4"	18	23+25	419					
6000	148+20	200+63	1 ½ :1	4"	18	52.43	944					
6100	0+00	44+30	1 ½ :1	4"	18	44.3	798					
					3 Inch Minus							
6110	0+00	24+28	1 ½ :1	8"	35	24.28	850					
6120	0+00	5+41	1 ½ :1	8"	35	5.41	190					

2 Inch Minus Total 3221 Cubic Yards
 3 Inch Minus Total 1040 Cubic Yards

*Optional Rock: If Purchaser elects to haul on optional rock roads in wet weather, the depth listed above is recommended but not required.

NOTE: Yardages are estimated on a compacted (In-Place) basis. Compliance of required rock will be based on compacted depth measurement. **Apply appropriate factors to determine loose amounts for estimating purposes.** Roads and rock quantities are designed for dry weather use. If Purchaser elects to haul in wet weather additional rock may be obtained from the rock pits listed in Section 6 at the Purchaser's expense and with prior written approval from the Contract Administrator.

COMPACTION LIST

Road	From Station	To Station	Type	Max Depth Per Lift (inches)	Equipment Type	Equipment Weight (lbs)	Minimum Number of Passes	Maximum Operating Speed (mph)
All New Construction			Subgrade,rock	12	Smooth Drum Vibratory Roller	12,000	4 low freq. vibrate on	3
All Reconstruction			Subgrade,rock	6	Smooth Drum Vibratory Roller	12,000	4 low freq. vibrate on	3
All Pre-Haul maintenance			After pre-haul grading	6	Smooth Drum Vibratory Roller	12,000	2 low freq. vibrate on	3
Culvert Backfill			Backfill material	6	Walk behind plate compactor	175	-	-

CULVERT AND DRAINAGE LIST, pg 1 of 1

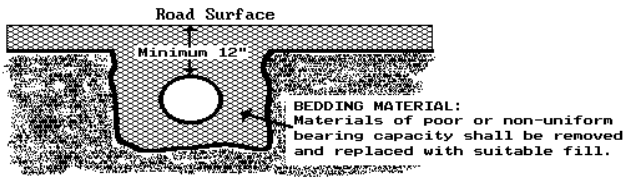
Road Number	Location	Culvert		Length (ft)			Riprap (C.Y.)			Backfill Material*	Placement Method*	Const. Staked*	Remarks
		Dia. (in)	Type	Culvert	Downspt	Flume	Inlet	Outlet	Type				
5000	102+00	24	PD	35			2	2.5	QS	NT		Ns Stream replace	
	191+10	24	PD	30			2	2.5	QS	NT		Ns Stream replace	
	211+50											Clean Inlet/Outlet	
	214+05	24	PD	30			2	2.5	QS	NT		Ns Stream replace	
	219+25	24	PD	30			2	2.5	QS	NT		Ns Stream replace	
	229+85												Clean Inlet/Outlet
	244+55												Clean Inlet/Outlet
	256+05	24	PD	35			2	2.5	QS	NT		Ns Stream replace	
	261+95												Clean Inlet/Outlet
	265+60												Clean Inlet/Outlet
	273+55	24	PD	30			2	2.5	QS	NT		Ns Stream replace	
	5600	2+65	18	PD	30			1	1.5	QS	NT		Replace
7+55		18	PD	30			1	1.5	QS	NT		Install	
8+90		24	PD	30			2	2.5	QS	NT		Np Stream replace	
13+65		18	PD	30			1	1.5	QS	NT		Install	
21+55		36	PD	40			5	5	QS	NT		Np Stream replace	
23+25		24	PD	30			2	2.5	QS	NT		Ns Stream replace	
6000	186+20	24	PD	30			2	2.5	QS	NT		Ns Stream install	
6100	11+25	18	PD	30			1	1.5	QS	NT		Install	
	15+85	18	PD	30			1	1.5	QS	NT		Install	
	21+60	18	PD	30			1	1.5	QS	NT		Install	
	35+75	24	PD	30			2	2.5	QS	NT		Ns Stream Replace	
	40+25	18	PD	30			1	1.5	QS	NT		Install	
	6110	8+20	18	PD	30			1	1.5	QS	NT		Install
10+00												DOR	
10+95												DOL/DOR	
14+85		18	PD	30			1	1.5	QS	NT		Install	
22+05		18	PD	30			1	1.5	QS	NT		Install	
29+90												DOL	
6120	2+05	18	PD	30			1	1.5	QS	NT		Replace	
	4+95	18	PD	30			1	1.5	QS	NT		Install	
As Directed By C.A. and on any road used by the sale for timber or rock haul		18	PD	30			1	1.5	QS	NT		Contingency	
		24	PD	40			2	2.5	QS	NT		Contingency	
		18	Poly	Band								Contingency	
		24	Poly	Band								Contingency	

* SEE CULVERT AND DRAINAGE SPECIFICATION DETAIL

PD = Polyethylene Pipe Dual Wall AASHTO No. M294 Type S or ASTM F2648

TEMP = Temporary Culvert

CULVERT BACKFILL AND BASE PREPARATION
(For culverts less than 36")

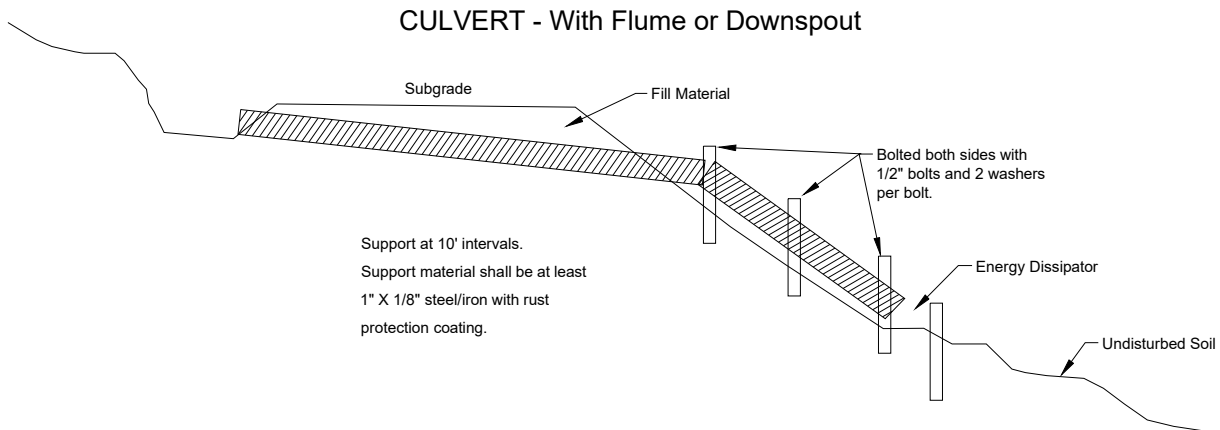
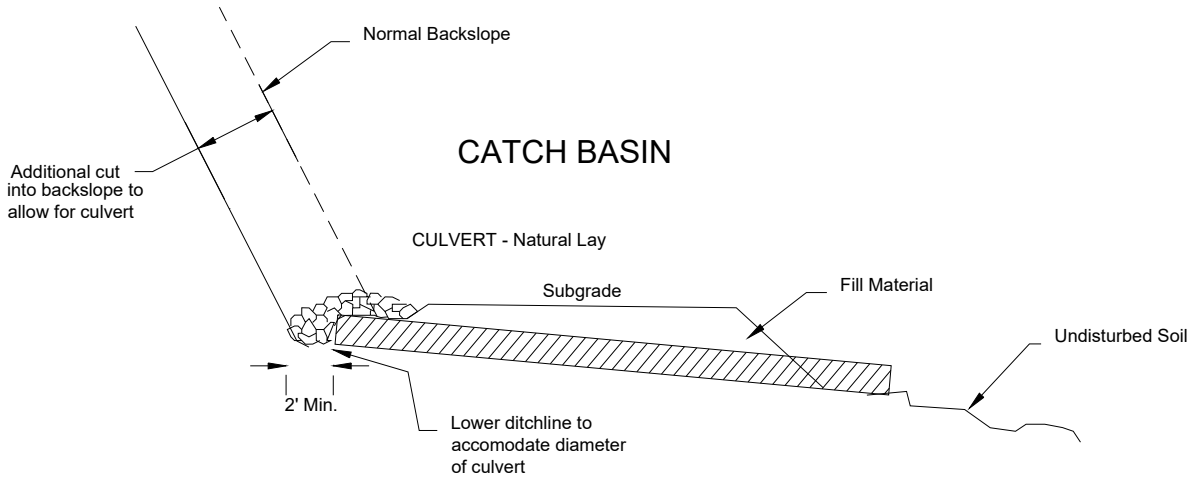


Key:

- QS - Quarry Spalls
- LL - Light Loose Riprap
- SR - Shot Rock
- NT - Native (bank run)
- SL - Select Fill
- Flume - Half round pipe
- Downspout - Full round pipe

CULVERT AND DRAINAGE SPECIFICATION DETAIL

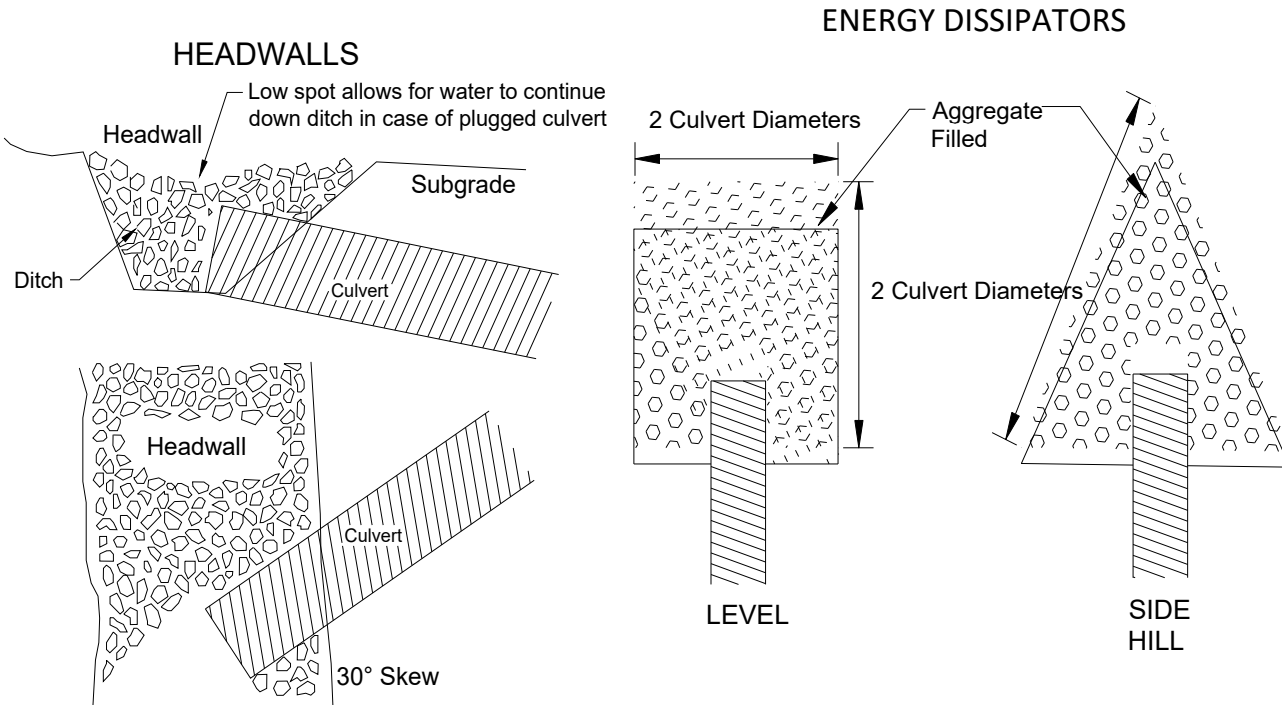
(Page 1 of 3)



CULVERT AND DRAINAGE SPECIFICATION DETAIL

(Page 2 of 3)

Proper preparation of foundation and placement of bedding material shall precede the installation of all culvert pipe. This includes necessary leveling of the native trench bottom and compaction of required bedding material to form a uniform dense unyielding base. The backfill material shall be placed so that the pipe is uniformly supported along the barrel.



Headwalls to be constructed of material that will resist erosion.

Dissipator Specifications:
Depth: 1 culvert diameter
Aggregate: as specified in the CULVERT LIST.

CULVERT AND DRAINAGE SPECIFICATION DETAIL

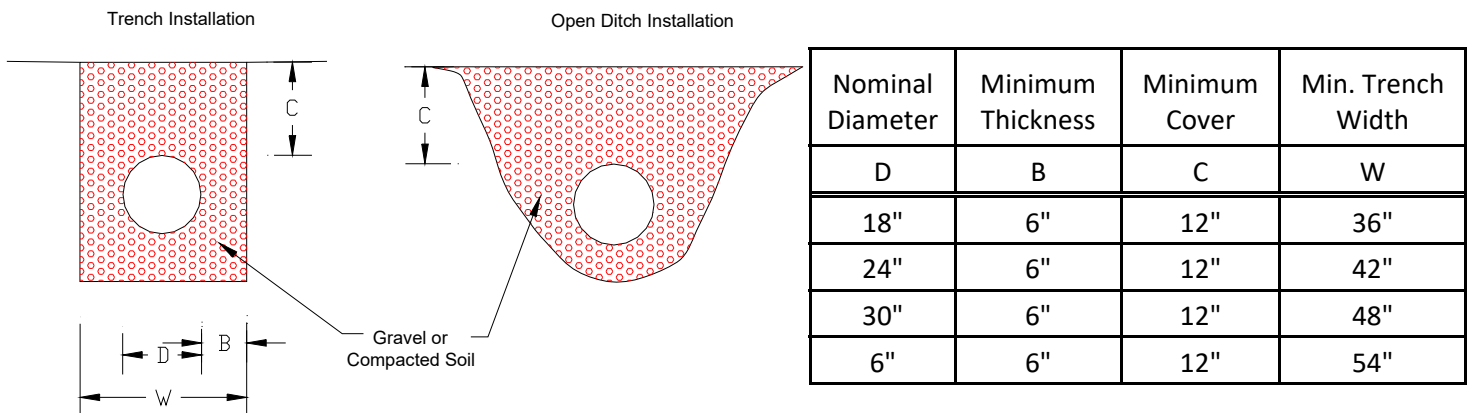
(Page 3 of 3)

POLYETHYLENE PIPE INSTALLATION

INSTALLATION REQUIREMENTS:

1. Crushed stone, gravel, or compacted soil backfill material shall be used as the bedding and envelope material around the culvert. The aggregate size shall not exceed 1/6 pipe diameter or 4" diameter, whichever is smaller.
2. The corrugated pipe shall be laid on grade, on a layer of bedding material as shown for the two types of installations. If native soil is used as the bedding and backfill material, it shall be well compacted in six inch layers under the haunches, around the sides and above the pipe to the recommended minimum height of cover.
3. Either crushed aggregate or flexible (asphalt) pavement may be laid as part of the minimum cover requirements.
4. Site conditions and availability of bedding materials often dictate the type of installation method used.
5. The load bearing capability of flexible conduits is dependent on the type of backfill material used and the degree of compaction achieved. Crushed stone and gravel backfill materials typically reach a compaction level of 90-95% AASHTO standard density without compaction. When native soils are used as backfill material, a compaction level of 85% is required. This minimum compaction can be achieved by either hand or mechanical tamping.

MINIMUM DIMENSIONS Trench or Open Ditch Installation



FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS
(Sheet 1 of 2)

Cuts and Fills

- Maintain slope lines to a stable gradient compatible with the cut slope/fill slope ratios. Remove slides up to 100 cubic yards in volume from ditches and the roadway. Repair fill-failures with selected material or material approved by the Contract Administrator. Remove overhanging material from the top of cut slopes.
- Waste material from slides or other sources shall be placed and compacted in stable locations identified in the road plan or approved by the Contract Administrator, so that sediment will not deliver to any streams or wetlands.
- Slide material and debris shall not be mixed into the road surface materials, unless approved by the Contract Administrator.

Surface

- Shape the road surface, turnouts, and shoulders to the original shape on the TYPICAL SECTION SHEET to provide a smooth, rut-free traveled surface and maintain surface water runoff in an even, unconcentrated manner.
- Blading shall not undercut the backslope or cut into geotextile fabric on the road.
- If required by the Contract Administrator, water shall be applied as necessary to control dust and retain fine surface rock.
- Surface material shall not be bladed off the roadway. Replace surface material when lost or worn away.
- Remove shoulder berms, created by grading, to facilitate drainage, except as marked or directed by the Contract Administrator.
- For roads with geotextile fabric: spread surface aggregate to fill in soft spots and wheel ruts (barrel spread) to prevent damage to the geotextile fabric.

Drainage

- Prevent silt bearing road surface and ditch runoff from delivering sediment to any streams or wetlands.
- Maintain rolling dips and drivable waterbars as needed to keep them functioning as intended.
- Maintain headwalls to the road shoulder level with material that will resist erosion.
- Maintain energy dissipaters at culvert outlets with non-erodible material or rock.
- Keep ditches, culverts, and other drainage structures clear of obstructions and functioning as intended.
- Inspect and clean culverts at least monthly, with additional inspections during storms and periods of high runoff. This shall be done even during periods of inactivity.

Preventative Maintenance

- Perform preventative maintenance work to safeguard against storm damage, such as blading to ensure correct runoff, ditch and culvert cleaning, and waterbar maintenance.

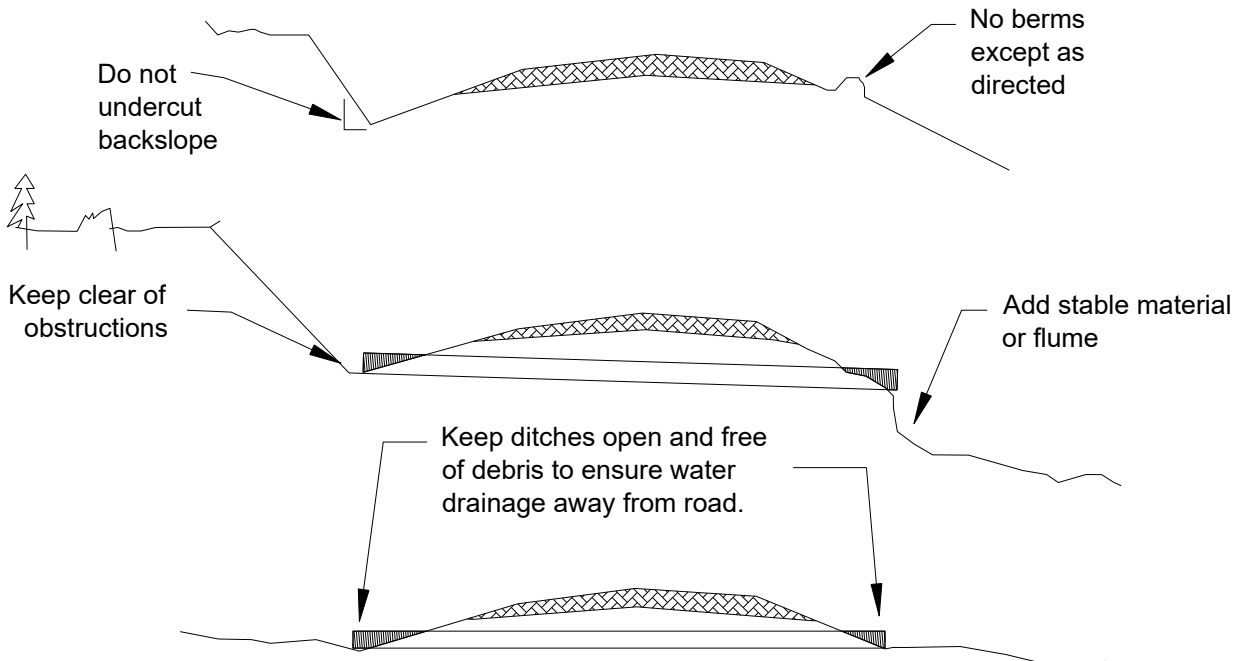
FOREST ACCESS ROAD MAINTENANCE SPECIFICATIONS (Sheet 2 of 2)

Termination of Use or End of Season

- At the conclusion of logging operations, ensure all conditions of these specifications have been met.

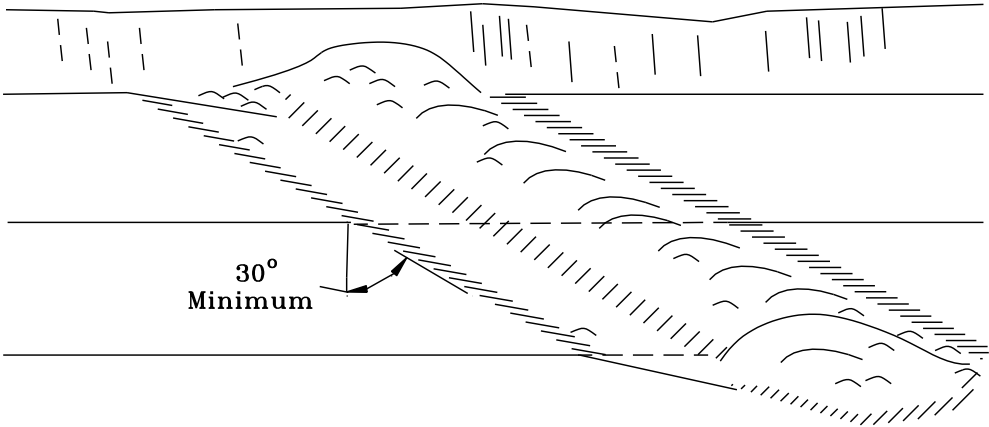
Debris

- Remove fallen timber, limbs, and stumps from the slopes, roadway, ditchlines, and culvert inlets.

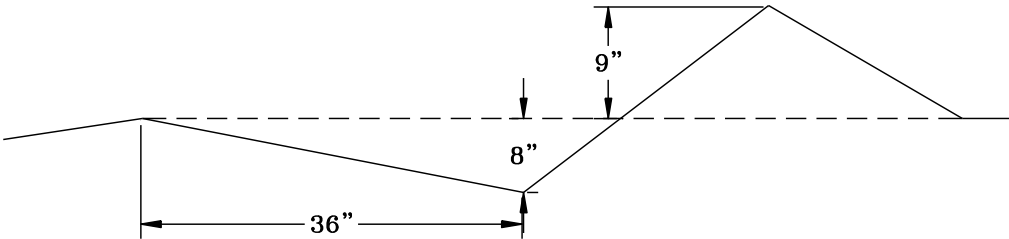


Drivable Water Bar Detail

Cross Ditch



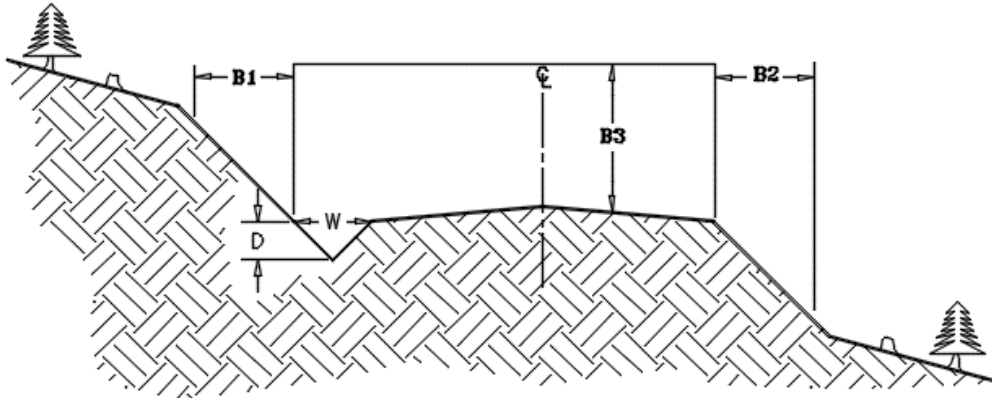
Cross Section at Centerline



Date:
Scale : None
App#
Drawn by: M.A.D.

Water Bar Detail	
	WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES
<small>SPS REGION</small>	

BRUSHING DETAIL (not to scale)



BRUSHING LIST

Road Number	From station	To station	Road Width (feet)	Ditch		Brushing Limits (feet)			Remarks <u>In addition to brushing...</u>
				Width (feet)	Depth (feet)	B1	B2	B3	
				W	D				
5000	0+00	12+00	16	3	1	8	8	14	Cut brush an extra 16 feet on the inside of a curve to provide visibility on switchbacks and curves on all roads.
5000	12+00	48+30	21	3	1	8	8	14	
5000	48+30	292+20	16	3	1	8	8	14	
5600	0+00	23+25	16	3	1	8	8	14	
6000	148+20	200+63	16	3	1	8	8	14	
6100	0+00	44+30	16	3	1	8	8	14	
6110	0+00	24+28	16	3	1	8	8	14	
6120	0+00	5+41	16	3	1	8	8	14	

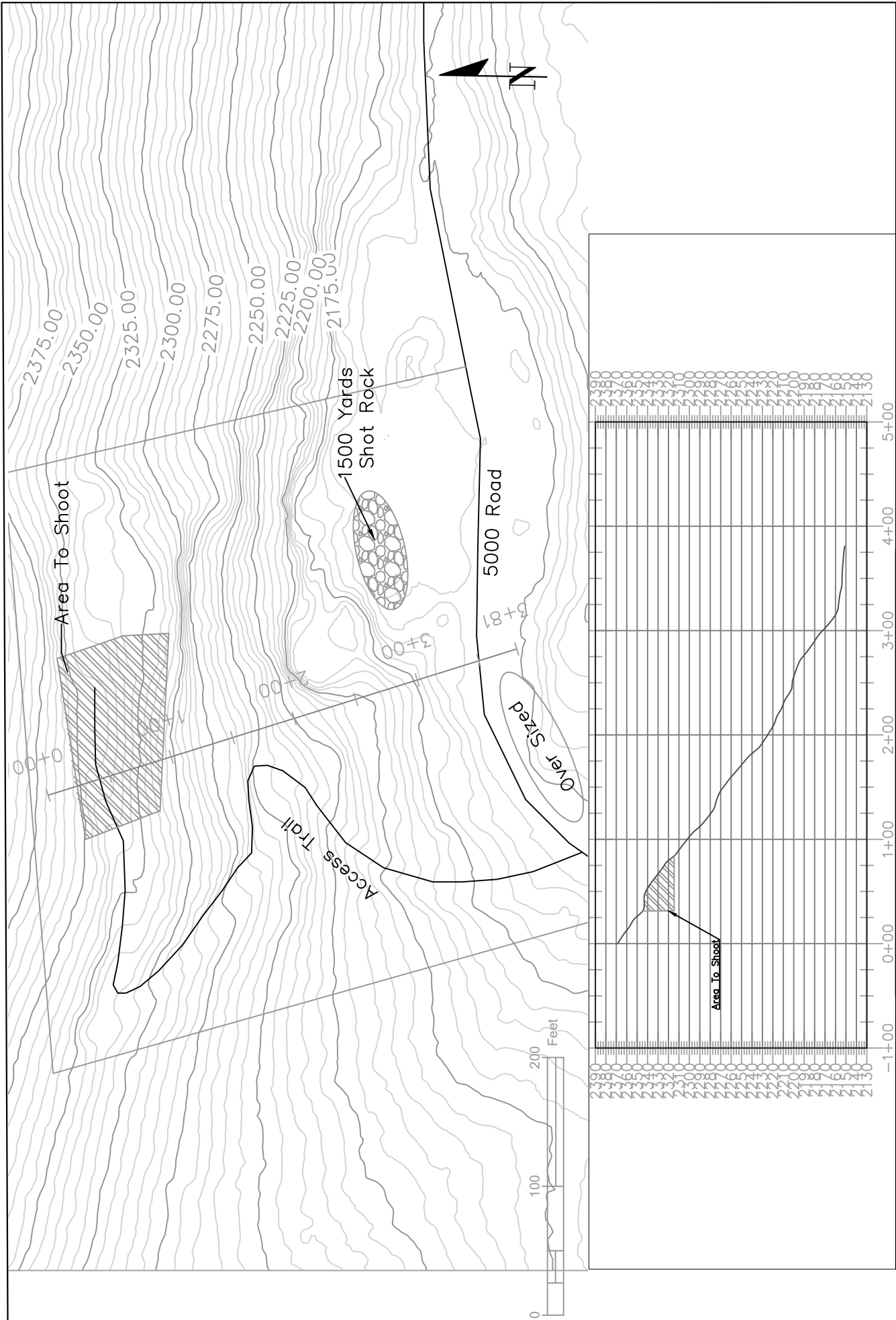
B1 extends horizontally the specified distance in feet from the back of the ditch. B2 extends horizontally the specified distance in feet from the outside edge of the running surface. Brush is defined as all non-merchantable vegetative material found within the specified limits. Brush must be cut to a height of 3 inches above the ground. Brush that is cut shall be removed to the downhill side of the road and placed such that it will not block ditches, ditch-outs, or drainage structures. Signs, culvert location markers, culverts or any other identification features damaged by brushing shall be replaced at the Purchasers expense.


RATTLESNAKE PIT DEVELOPMENT PLAN

Legal Description: NE1/4 SE 1/4 Section 30, T23NR08E W.M.

Rock Pit Name: Rattlesnake

1. Development shall begin in the Area to Shoot. A new bench will be started in this area with a face height of 30 feet and minimum working bench of 20 feet.
2. All overburden and vegetation, including stumps, shall be cleared a minimum of 20 feet beyond the top of all working faces. Trees shall be cleared to a minimum of 3/4 of the height of the tallest tree adjacent to the pit face.
3. Root wads and organic debris larger than one cubic foot in volume shall be separated from overburden and piled in the designated waste area.
4. Overburden shall be pushed or end hauled to the designated waste area and compacted. Minimal acceptable compaction is achieved by placing material in 2 foot or shallower lifts and routing excavation equipment over entire width of the lifts. A minimum stripping width of 20 feet must be maintained from all pit faces.
5. Pit faces and walls shall not exceed 30 feet in height and shall be sloped no steeper than 1/4H: 1V.
6. Working bench width shall be a minimum of 20 feet.
7. The pit floor shall have smooth continuity of slope, providing drainage. No ponding will be allowed.
8. At the end of operations, faces shall be scaled and cleared of loose and overhanging material, including overburden pushed over the face.
9. Oversize material remaining in the pit at the conclusion of operations shall not exceed 5 percent of the total volume mined during the operation. Oversize material is defined as rock or rock fragments larger than two feet in any dimension. Oversize shall be piled between Lower Bench and existing stockpile.
10. Quantity and Quality of ballast pit is not guaranteed by the State.



DESIGN BY: E. Bauer DRAWN BY: E. Bauer CHECKED BY: DATE: 05/10/2024	<h2 style="margin: 0;">Rattlesnake Pit Plan</h2> <p style="margin: 0;">Brewed Awakening T.S.</p>	SHEET 1 OF 1
 <p style="margin: 0; font-weight: bold;">WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES</p>		

DEPARTMENT OF NATURAL RESOURCES - SOUTH PUGET SOUND REGION

FORM 9-87(Rev. 01-09)

Road Development Cost Estimate

(For internal DNR use only. Costs are estimates only & are not guaranteed by the State or part of the Road Plan.)

REGION: SPS

UNIT: Snoqualmie

SALE/PROJECT NAME: Brewed Awakening TS

CONTRACT NUMBER: 30-104865

LEGAL DESCRIPTION: T23R07E Sec 24,25/T23R08E Sec 19,30

ROAD NUMBER:			5000, 5600, 6000, 6100, 6110, 6120
ROAD STANDARD:	0	0	Pre-haul maintenance
NUMBER OF STATIONS:	0.00	0.00	442.57
SIDESLOPE:	0%	0%	20%
CLEARING AND GRUBBING:	\$0	\$0	
EXCAVATION AND FILL:	\$0	\$0	
MISC. MAINTENANCE:			\$21,580
ROCK TOTALS (Cu. Yds.):			
2 Inch/3 Inch	5539	\$0	\$106,227
QS	92		\$2,851
Landings	300	\$0	\$2,243
		\$0	
CULVERTS AND FLUMES:	\$0	\$0	\$20,178
STRUCTURES:	\$0	\$0	\$0
GENERAL EXPENSES:	\$0	\$0	\$12,246
MOBILIZATION:	\$0	\$0	\$11,430
TOTAL COSTS:	\$0	\$0	\$176,756
COST PER STATION:	\$0	\$0	\$399

ROAD DEACTIVATION AND ABANDONMENT COSTS: \$9,623

NOTE¹: This appraisal has no allowance for profit and risk.

TOTAL (All Roads) =	\$186,379
SALE VOLUME MBF =	4,510
TOTAL COST PER MBF =	\$41.33

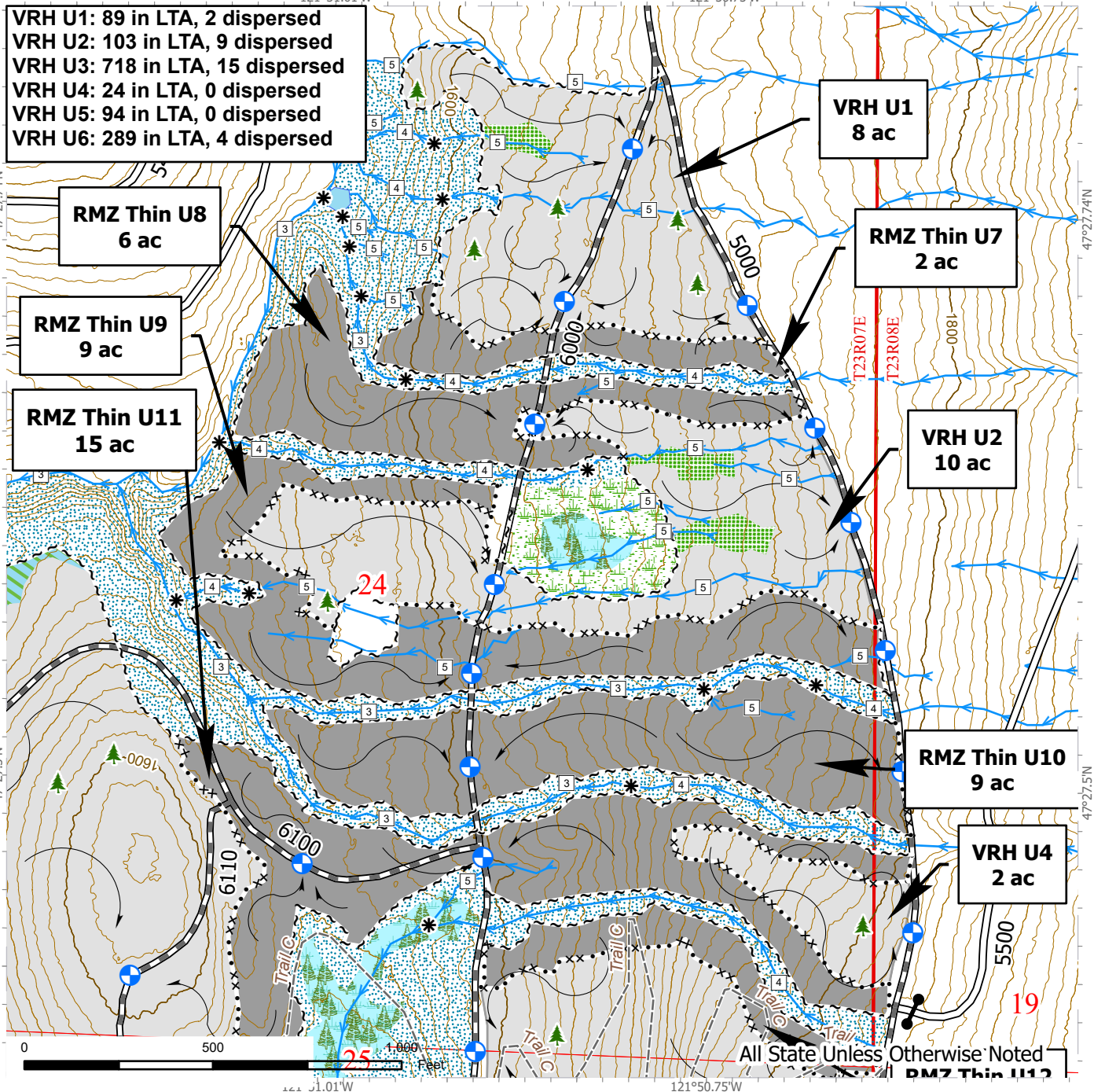
Date: 05/15/24

LOGGING PLAN MAP

SALE NAME: BREWED AWAKENING VRH AND RMZ THIN
AGREEMENT #: 30-104865
TOWNSHIP(S): T23R7E, T23R8E
TRUST(S): Common School and Indemnity (3), Water Pollution Control Division Trust Land (77)

REGION: South Puget Sound Region
COUNTY(S): King
ELEVATION RGE: 1280-1840

VRH U1: 89 in LTA, 2 dispersed
 VRH U2: 103 in LTA, 9 dispersed
 VRH U3: 718 in LTA, 15 dispersed
 VRH U4: 24 in LTA, 0 dispersed
 VRH U5: 94 in LTA, 0 dispersed
 VRH U6: 289 in LTA, 4 dispersed



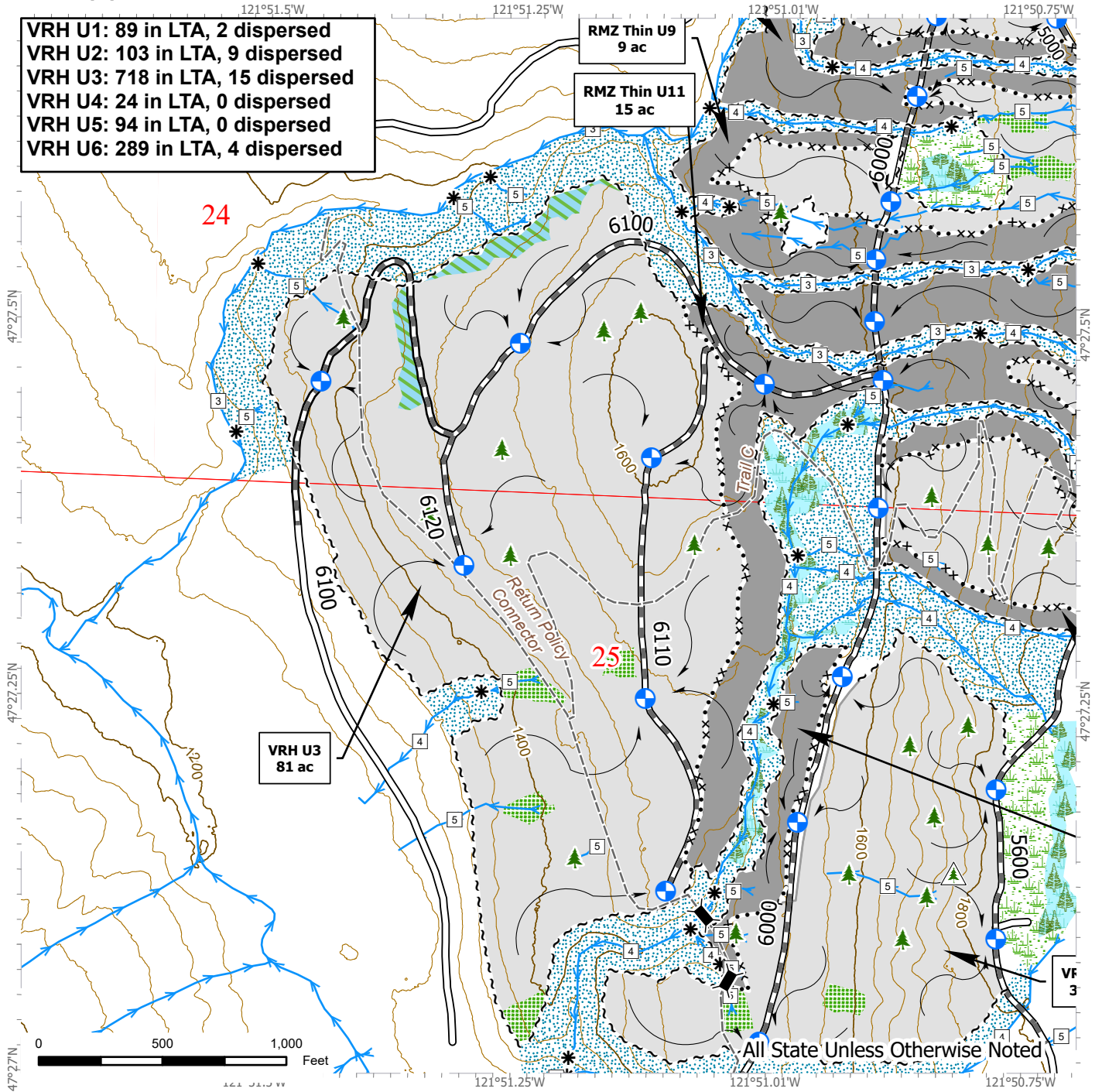
RMZ Thin	Sale Boundary Tags	Streams
Variable Retention Harvest	Special Mgmt Area	Stream Type
Ground	Mtn Bike Trail	Stream Break
Leave Tree Area	Existing Roads	Landing - Proposed
Non-Tradeable Leave Tree Area	Required Pre-Haul Maintenance	Leave Tree Area <1/4-acre
Forested Wetland		Gates
Wetland Mgt Zone		Contours 40 ft
Riparian Mgt Zone		

LOGGING PLAN MAP

SALE NAME: BREWED AWAKENING VRH AND RMZ THIN
AGREEMENT #: 30-104865
TOWNSHIP(S): T23R7E, T23R8E
TRUST(S): Common School and Indemnity (3), Water Pollution Control Division Trust Land (77)

REGION: South Puget Sound Region
COUNTY(S): King
ELEVATION RGE: 1280-1840

VRH U1: 89 in LTA, 2 dispersed
 VRH U2: 103 in LTA, 9 dispersed
 VRH U3: 718 in LTA, 15 dispersed
 VRH U4: 24 in LTA, 0 dispersed
 VRH U5: 94 in LTA, 0 dispersed
 VRH U6: 289 in LTA, 4 dispersed



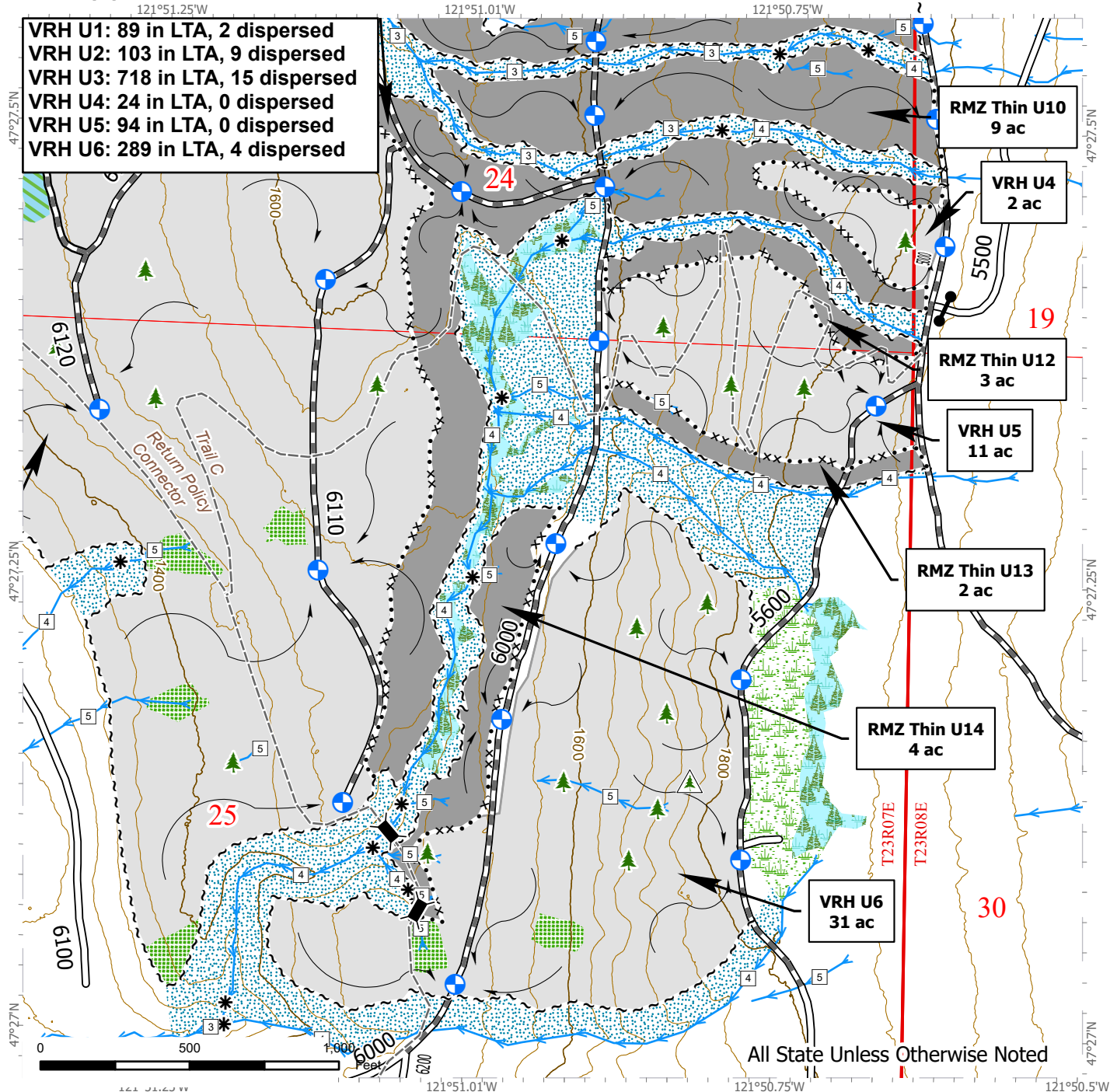
RMZ Thin	Sale Boundary Tags	Streams
Variable Retention Harvest	Special Mgmt Area	Stream Type
Ground	Trail Bridge	Stream Break
Leave Tree Area	Mtn Bike Trail	Landing - Proposed
Non-Tradeable Leave Tree Area	Existing Roads	Leave Tree Area <1/4-acre
Forested Wetland	Required Pre-Haul Maintenance	Non-Tradeable Leave Trees
Wetland Mgt Zone		Contours 40 ft
Riparian Mgt Zone		

LOGGING PLAN MAP

SALE NAME: BREWED AWAKENING VRH AND RMZ THIN
AGREEMENT #: 30-104865
TOWNSHIP(S): T23R7E, T23R8E
TRUST(S): Common School and Indemnity (3), Water Pollution Control Division Trust Land (77)

REGION: South Puget Sound Region
COUNTY(S): King
ELEVATION RGE: 1280-1840

VRH U1: 89 in LTA, 2 dispersed
 VRH U2: 103 in LTA, 9 dispersed
 VRH U3: 718 in LTA, 15 dispersed
 VRH U4: 24 in LTA, 0 dispersed
 VRH U5: 94 in LTA, 0 dispersed
 VRH U6: 289 in LTA, 4 dispersed



All State Unless Otherwise Noted

RMZ Thin	Sale Boundary Tags	Streams
Variable Retention Harvest	Special Mgmt Area	Stream Type
Ground	Trail Bridge	Stream Break
Leave Tree Area	Mtn Bike Trail	Landing - Proposed
Non-Tradeable Leave Tree Area	Existing Roads	Leave Tree Area <1/4-acre
Forested Wetland	Required Pre-Haul Maintenance	Non-Tradeable Leave Trees
Wetland Mgt Zone		Gates
Riparian Mgt Zone		Contours 40 ft

NORTH BEND EASEMENT EXCHANGE

THIS AGREEMENT, made and entered into this 20th day of September, 1968, by and between WEYERHAEUSER COMPANY, a Washington corporation, herein called "Weyerhaeuser," and STATE OF WASHINGTON, acting by and through the Department of Natural Resources, herein called "State," WITNESSETH:

6489309

I

A. Weyerhaeuser hereby grants and conveys to State, its successors and assigns, a permanent divisible nonexclusive easement upon, over and along rights of way sixty (60) feet in width upon, over and across the lands in King County, Washington, described on the attached Exhibit A, being thirty (30) feet on each side of the center line of the existing roads located approximately as shown in red on the attached Exhibit C. Subject as to said lands to all matters of public record.

B. State hereby grants and conveys to Weyerhaeuser, its successor and assigns, a permanent divisible nonexclusive easement upon, over and along rights of way sixty (60) feet in width upon, over and across the lands in King County, Washington, described on the attached Exhibit B, being thirty (30) feet on each side of the center line of the existing roads located approximately as shown in green on the attached Exhibit C. Subject as to said lands to all matters of public record.

II

The parties hereto hereby agree that the rights hereinabove granted by one party hereto to the other shall be subject to the following terms and conditions:

1. The easements are conveyed for the purposes of reconstruction, use and maintenance of said existing roads for the purpose of providing access to and from lands now owned or hereafter acquired by the parties hereto.

2. Each party hereto reserves for itself, its successors and assigns, the right at all times and for any purpose to go upon, cross and recross at any place on grade or otherwise said rights of way

on lands owned by it and use the roads on said rights of way in a manner that will not unreasonably interfere with the rights granted to the other party hereunder.

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3. Each party hereto may grant to third parties, upon such terms as it chooses, any or all of the rights reserved by it herein; provided, that use by such party shall be subject to the terms and conditions of this agreement and shall not unreasonably interfere with the rights granted to the other party hereunder.

4. Each party hereto, its successors and assigns, may permit its respective contractors, licensees, purchasers of timber or other valuable materials, lessees, and their agents and licensees, hereinafter individually referred to as "Permittee" and collectively referred to as "Permittees," to exercise the rights granted to it herein provided, such Permittees assume the obligations created herein; provided further, that when a party hereto or one of its Permittees plans to use any portion of said roads for the purpose of hauling timber or other valuable materials, such party shall notify the other thereof at least fifteen (15) days prior to the commencement of use of said rights, advising of the portion of road to be used, the approximate dates, when such use thereof will begin and end, and of the approximate volumes of forest products or valuable materials to be hauled and forthwith upon the completion of such use, notify the other party thereof.

5. The cost of road maintenance and resurfacing shall be allocated on the basis of respective uses of said roads. When any party uses a road, that party shall perform or cause to be performed, or contribute or cause to be contributed, that share of maintenance and resurfacing occasioned by such use as hereinafter provided. During periods when a road is being used solely by one party, such party shall maintain that portion of said road so used to the standards existing at the time use is commenced. Annually, in the spring, or as often as the parties shall mutually agree, the parties

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 hereto shall meet to establish necessary maintenance provisions for those roads, or portions thereof, which both parties plan to use during the same periods of time. Such provisions shall include, but shall not be limited to:

(a) the appointment of a maintainer, which may be one of the parties hereto or any third party, who will perform or cause to be performed at a reasonable and agreed upon rate the maintenance and resurfacing of the road or the portion thereof being used; and

(b) a method of payment by which each party using said road or a portion thereof, shall pay its pro rata share of the cost incurred by said maintainer in maintaining or resurfacing said road or portion thereof.

For purposes of this agreement, maintenance is defined as the work normally necessary to preserve and keep the roadway, road structure and road facilities as nearly as possible in their present condition or as hereafter improved.

6. Each party using any portion of a road shall repair, or cause to be repaired, at its sole cost and expense, that damage to said road occasioned by it which is in excess of that which it would cause through normal and prudent usage of said road. Should inordinate damage to a road occur which is not caused by an authorized user of said road, the parties hereto shall meet to agree upon the cost of replacement, the party to undertake the replacement, and the shares of replacement cost to be borne by each user of said road.

7. Unless the parties hereto agree in writing to share the costs of improvements in advance of such improvements being made, such improvements shall be solely for the account of the improver.

8. Each party hereto reserves to itself all timber now on or hereafter growing within the rights of way on its said lands.

9. Each party hereto shall require each of its Permittees, before using any of said roads on the lands of the other party

hereto, to;

(a) obtain and during the term of such use, maintain a policy of liability insurance in a form generally acceptable in the trade and customary in the area of said rights of way, insuring said Permittee against liability arising out of its operations, including use of vehicles. Minimum amounts of insurance shall be:

(1) For log haulers, One Hundred Thousand Dollars (\$100,000.00) for injury to one person, Three Hundred Thousand Dollars (\$300,000.00) for any one occurrence, and One Hundred Thousand Dollars (\$100,000.00) property damage for any one occurrence;

(2) For fern cutters, bough cutters, shake cutters, or other miscellaneous users operating pickup trucks, light trucks (under one (1) ton) or passenger cars for the purpose of transporting miscellaneous forest products, Twenty-five Thousand Dollars (\$25,000.00) for injury to one person, Fifty Thousand Dollars (\$50,000.00) for any one occurrence, and Five Thousand Dollars (\$5,000.00) property damage for any one occurrence; or

(3) Such other limits as the parties hereto may agree upon in writing from time to time.

(b) deliver to each party hereto a certificate from the insurer or said Permittee certifying that coverage is not less than the above named amounts is in force and that, in the event of cancellation or modification of such coverage, the insurer will give each party hereto ten (10) days written notice prior to any cancellation or modification.

10. It is understood and agreed that this agreement terminates and supersedes the Tiger Mountain Easement Exchange, dated March 30, 1967, recorded in Volume 4962, Pages 421 through 426, Records of King County, Washington, under Auditor's File No. 6209199.

IN WITNESS WHEREOF, the parties hereto have executed this instru-

ment, in duplicate, as of the day and year first above written.

WEYERHAEUSER COMPANY



By: H. E. Morgan, Jr.
Vice President

Attest: Rowland C. Vincent
~~Assistant~~ Secretary

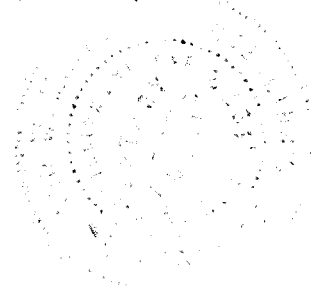
STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

By: Bert L. Cole
BERT L. COLE
Commissioner of Public Lands

STATE OF WASHINGTON)
County of Pierce) ss.

On this 18th day of October, 1968, before me personally appeared H. E. Morgan, Jr. and ~~Mary B. Mosier~~ ^{Rowland C. Vincent}, to me known to be the Vice President and ~~Assistant~~ ^{Assistant} Secretary, respectively, of WEYERHAEUSER COMPANY, the corporation that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that they were authorized to execute said instrument and that the seal affixed is the corporate seal of said corporation.

IN WITNESS WHEREOF, I have hereto set my hand and affixed my official seal the day and year first above written.



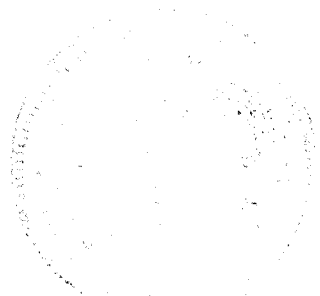
Edward W. Matherson
Notary Public in and for the State of Washington, residing at Tacoma.

STATE OF WASHINGTON)
County of Thurston) ss.

On this 31st day of March, 1968, before me personally appeared BERT L. COLE, to me known to be the Commissioner of Public Lands, and ex officio administrator of the Department of Natural Resources, STATE OF WASHINGTON, the Department that executed the within and foregoing instrument on behalf of the State of Washington, and acknowledged said instrument to be the free and voluntary act and deed of the State of Washington for the uses and purposes therein mentioned, and on oath stated that he was authorized to execute said instrument and that the seal affixed is the official seal of the Commissioner of Public Lands for the State of Washington.

IN WITNESS WHEREOF, I have hereunto set my hand and seal the day and year set forth above.

[Handwritten Signature]
Notary Public in and for the State of Washington, residing at Olympia.



Approved as to Form Only
28 day of Feb 1969
SLADE GORTON
Attorney General
By *[Signature]*
Assistant Attorney General

NORTH BEND EASEMENT EXCHANGEWeyerhaeuser Lands

6489309

N $\frac{1}{2}$ of SW $\frac{1}{4}$; SE $\frac{1}{4}$ of SW $\frac{1}{4}$	Section 2-T23N-R7E of W.M.
Fr. W $\frac{1}{2}$ of NE $\frac{1}{4}$; N $\frac{1}{2}$ of SE $\frac{1}{4}$; SE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 5-T23N-R7E of W.M.
N $\frac{1}{2}$ of NE $\frac{1}{4}$; SW $\frac{1}{4}$ of NE $\frac{1}{4}$; Fr. N $\frac{1}{2}$ of NW $\frac{1}{4}$; E $\frac{1}{2}$ of SW $\frac{1}{4}$; NW $\frac{1}{4}$ of SE $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 7-T23N-R7E of W.M.
S $\frac{1}{2}$ of NE $\frac{1}{4}$; NW $\frac{1}{4}$; N $\frac{1}{2}$ of SW $\frac{1}{4}$; SE $\frac{1}{4}$ of SW $\frac{1}{4}$; E $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 9-T23N-R7E of W.M.
W $\frac{1}{2}$ of NE $\frac{1}{4}$; NE $\frac{1}{4}$ of NW $\frac{1}{4}$; N $\frac{1}{2}$ of SE $\frac{1}{4}$; SE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 11-T23N-R7E of W.M.
W $\frac{1}{2}$ of NW $\frac{1}{4}$; South $\frac{1}{2}$	Section 13-T23N-R7E of W.M.
W $\frac{1}{2}$ of NW $\frac{1}{4}$; SE $\frac{1}{4}$ of NW $\frac{1}{4}$; E $\frac{1}{2}$ of SW $\frac{1}{4}$	Section 15-T23N-R7E of W.M.
North $\frac{1}{2}$; NW $\frac{1}{4}$ of SW $\frac{1}{4}$; S $\frac{1}{2}$ of SW $\frac{1}{4}$; SW $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 17-T23N-R7E of W.M.
NE $\frac{1}{4}$ of NE $\frac{1}{4}$	Section 18-T23N-R7E of W.M.
Pt. SE $\frac{1}{4}$ of NE $\frac{1}{4}$ North of Highway	Section 20-T23N-R7E of W.M.
Pt. SW $\frac{1}{4}$ of NW $\frac{1}{4}$ North of Highway	Section 21-T23N-R7E of W.M.
S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 12-T25N-R7E of W.M.
NE $\frac{1}{4}$; E $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 13-T25N-R7E of W.M.
NW $\frac{1}{4}$ of SW $\frac{1}{4}$; S $\frac{1}{2}$ of SW $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 24-T25N-R7E of W.M.
SE $\frac{1}{4}$ of NE $\frac{1}{4}$; SE $\frac{1}{4}$ of SW $\frac{1}{4}$; NE $\frac{1}{4}$ of SE $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 25-T25N-R7E of W.M.
Pt. S $\frac{1}{2}$ of SW $\frac{1}{4}$ except Railroad Right of Way	Section 27-T25N-R7E of W.M.
Pt. SE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 28-T25N-R7E of W.M.
Pt. NW $\frac{1}{4}$ of NE $\frac{1}{4}$; Pt. S $\frac{1}{2}$ of NE $\frac{1}{4}$; NE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 34-T25N-R7E of W.M.
S $\frac{1}{2}$ of NE $\frac{1}{4}$; N $\frac{1}{2}$ of NW $\frac{1}{4}$; SE $\frac{1}{4}$ of NW $\frac{1}{4}$; NW $\frac{1}{4}$ of SW $\frac{1}{4}$; S $\frac{1}{2}$ of SW $\frac{1}{4}$; NE $\frac{1}{4}$ of SE $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 35-T25N-R7E of W.M.
E $\frac{1}{2}$ of SW $\frac{1}{4}$; E $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 24-T26N-R7E of W.M.
Pt. E $\frac{1}{2}$ of NE $\frac{1}{4}$	Section 25-T26N-R7E of W.M.
50 foot strip across S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 16-T23N-R8E of W.M.
Lot 4	Section 19-T23N-R8E of W.M.
E $\frac{1}{2}$ of NE $\frac{1}{4}$	Section 21-T23N-R8E of W.M.
Pt. NW $\frac{1}{4}$ of SW $\frac{1}{4}$ West of County Road	Section 26-T23N-R8E of W.M.
NW $\frac{1}{4}$ of NE $\frac{1}{4}$; S $\frac{1}{2}$ of NE $\frac{1}{4}$; NE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 27-T23N-R8E of W.M.
W $\frac{1}{2}$ of NW $\frac{1}{4}$; NW $\frac{1}{4}$ of SW $\frac{1}{4}$	Section 29-T23N-R8E of W.M.
NE $\frac{1}{4}$ of SW $\frac{1}{4}$	Section 30-T23N-R8E of W.M.
Fr. NE $\frac{1}{4}$ of NE $\frac{1}{4}$; S $\frac{1}{2}$ of NE $\frac{1}{4}$; E $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 1-T24N-R8E of W.M.
Fr. W $\frac{1}{2}$ of E $\frac{1}{2}$	Section 4-T24N-R8E of W.M.
N $\frac{1}{2}$ of NE $\frac{1}{4}$; SE $\frac{1}{4}$ of NE $\frac{1}{4}$; SE $\frac{1}{4}$	Section 9-T24N-R8E of W.M.
Fr. E $\frac{1}{2}$ of NE $\frac{1}{4}$; Fr. S $\frac{1}{2}$ of SW $\frac{1}{4}$; NE $\frac{1}{4}$ of SE $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 12-T24N-R8E of W.M.
N $\frac{1}{2}$ of NE $\frac{1}{4}$; SW $\frac{1}{4}$ of NE $\frac{1}{4}$; SE $\frac{1}{4}$ of NW $\frac{1}{4}$; NE $\frac{1}{4}$ of SW $\frac{1}{4}$; S $\frac{1}{2}$ of SW $\frac{1}{4}$	Section 16-T24N-R8E of W.M.
Pt. E $\frac{1}{2}$ of NE $\frac{1}{4}$; Pt. N $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 20-T24N-R8E of W.M.
NW $\frac{1}{4}$ of NE $\frac{1}{4}$; S $\frac{1}{2}$ of NE $\frac{1}{4}$; N $\frac{1}{2}$ of NW $\frac{1}{4}$; NE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 21-T24N-R8E of W.M.
SW $\frac{1}{4}$	Section 22-T24N-R8E of W.M.
Fr. N $\frac{1}{2}$ of NE $\frac{1}{4}$; Lot 4; SW $\frac{1}{4}$ of SW $\frac{1}{4}$	Section 1-T25N-R8E of W.M.
Lot 1; S $\frac{1}{2}$ of NE $\frac{1}{4}$	Section 2-T25N-R8E of W.M.
Fr. N $\frac{1}{2}$ of NE $\frac{1}{4}$; Fr. E $\frac{1}{2}$ of W $\frac{1}{2}$	Section 3-T25N-R8E of W.M.

Weyerhaeuser Lands - Continued

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Fr. NE $\frac{1}{4}$; NE $\frac{1}{4}$ of SW $\frac{1}{4}$; W $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 5-T25N-R8E of W.M.
NW $\frac{1}{4}$ of NE $\frac{1}{4}$; NE $\frac{1}{4}$ of NW $\frac{1}{4}$; S $\frac{1}{2}$ of NW $\frac{1}{4}$; SW $\frac{1}{4}$	Section 8-T25N-R8E of W.M.
NW $\frac{1}{4}$ of NE $\frac{1}{4}$; S $\frac{1}{2}$ of NE $\frac{1}{4}$; W $\frac{1}{2}$ of NW $\frac{1}{4}$; NW $\frac{1}{4}$ of SW $\frac{1}{4}$; S $\frac{1}{2}$ of SW $\frac{1}{4}$; E $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 11-T25N-R8E of W.M.
SW $\frac{1}{4}$ of NE $\frac{1}{4}$; S $\frac{1}{2}$ of NW $\frac{1}{4}$; E $\frac{1}{2}$ of SW $\frac{1}{4}$	Section 12-T25N-R8E of W.M.
NE $\frac{1}{4}$; NW $\frac{1}{4}$ of NW $\frac{1}{4}$; NW $\frac{1}{4}$ of SW $\frac{1}{4}$; Lots 2 and 4; E $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 13-T25N-R8E of W.M.
NE $\frac{1}{4}$; N $\frac{1}{2}$ of NW $\frac{1}{4}$; NE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 14-T25N-R8E of W.M.
E $\frac{1}{2}$ of NE $\frac{1}{4}$; NW $\frac{1}{4}$ of NW $\frac{1}{4}$; E $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 17-T25N-R8E of W.M.
NE $\frac{1}{4}$ of NE $\frac{1}{4}$; S $\frac{1}{2}$ of NE $\frac{1}{4}$; W $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 18-T25N-R8E of W.M.
W $\frac{1}{2}$ of NE $\frac{1}{4}$; Lots 2, 3 and 4; N $\frac{1}{2}$ of SE $\frac{1}{4}$; SE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 19-T25N-R8E of W.M.
W $\frac{1}{2}$ of NE $\frac{1}{4}$; NW $\frac{1}{4}$ of NW $\frac{1}{4}$; S $\frac{1}{2}$ of NW $\frac{1}{4}$; E $\frac{1}{2}$ of SW $\frac{1}{4}$; NW $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 21-T25N-R8E of W.M.
Fr. N $\frac{1}{2}$ of NE $\frac{1}{4}$; SW $\frac{1}{4}$ of NE $\frac{1}{4}$; Lot 2; E $\frac{1}{2}$ of SW $\frac{1}{4}$; NW $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 24-T25N-R8E of W.M.
SW $\frac{1}{4}$ of NE $\frac{1}{4}$; E $\frac{1}{2}$ of NW $\frac{1}{4}$; NW $\frac{1}{4}$ of SE $\frac{1}{4}$; SE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 25-T25N-R8E of W.M.
NE $\frac{1}{4}$ of NW $\frac{1}{4}$; S $\frac{1}{2}$ of NW $\frac{1}{4}$; W $\frac{1}{2}$ of SW $\frac{1}{4}$	Section 28-T25N-R8E of W.M.
SW $\frac{1}{4}$ of NW $\frac{1}{4}$; N $\frac{1}{2}$ of SW $\frac{1}{4}$; NW $\frac{1}{4}$ of SE $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 29-T25N-R8E of W.M.
E $\frac{1}{2}$ of NE $\frac{1}{4}$; Fr. N $\frac{1}{2}$ of NW $\frac{1}{4}$; Lot 2; Fr. W $\frac{1}{2}$ of SW $\frac{1}{4}$	Section 30-T25N-R8E of W.M.
E $\frac{1}{2}$ of NE $\frac{1}{4}$; NE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 32-T25N-R8E of W.M.
N $\frac{1}{2}$ of SW $\frac{1}{4}$; W $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 33-T25N-R8E of W.M.
W $\frac{1}{2}$ of SW $\frac{1}{4}$	Section 4-T26N-R8E of W.M.
W $\frac{1}{2}$ of NW $\frac{1}{4}$; N $\frac{1}{2}$ of SW $\frac{1}{4}$; SE $\frac{1}{4}$ of SW $\frac{1}{4}$	Section 9-T26N-R8E of W.M.
SW $\frac{1}{4}$ of SW $\frac{1}{4}$	Section 15-T26N-R8E of W.M.
NW $\frac{1}{4}$ of NE $\frac{1}{4}$; S $\frac{1}{2}$ of NE $\frac{1}{4}$; NE $\frac{1}{4}$ of NW $\frac{1}{4}$; SW $\frac{1}{4}$ of SW $\frac{1}{4}$; E $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 16-T26N-R8E of W.M.
SE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 17-T26N-R8E of W.M.
Lot 3	Section 18-T26N-R8E of W.M.
SE $\frac{1}{4}$ of NW $\frac{1}{4}$; Fr. SW $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 19-T26N-R8E of W.M.
NW $\frac{1}{4}$ of NW $\frac{1}{4}$; S $\frac{1}{2}$ of NW $\frac{1}{4}$; NE $\frac{1}{4}$ of SW $\frac{1}{4}$; N $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 21-T26N-R8E of W.M.
NW $\frac{1}{4}$ of NE $\frac{1}{4}$; S $\frac{1}{2}$ of NE $\frac{1}{4}$; N $\frac{1}{2}$ of NW $\frac{1}{4}$; SE $\frac{1}{4}$ of NW $\frac{1}{4}$; N $\frac{1}{2}$ of SW $\frac{1}{4}$	Section 22-T26N-R8E of W.M.
SW $\frac{1}{4}$ of NW $\frac{1}{4}$; N $\frac{1}{2}$ of SW $\frac{1}{4}$; SE $\frac{1}{4}$ of SW $\frac{1}{4}$; W $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 23-T26N-R8E of W.M.
N $\frac{1}{2}$ of NW $\frac{1}{4}$	Section 26-T26N-R8E of W.M.
E $\frac{1}{2}$ of NE $\frac{1}{4}$; NW $\frac{1}{4}$ of SW $\frac{1}{4}$; NE $\frac{1}{4}$ of SE $\frac{1}{4}$; S $\frac{1}{2}$ of S $\frac{1}{2}$ except City of Seattle Pipeline Right of Way	Section 27-T26N-R8E of W.M.
SE $\frac{1}{4}$ of NW $\frac{1}{4}$; Pt. NE $\frac{1}{4}$ of SW $\frac{1}{4}$ lying North of City of Seattle Regulating Basin, except pipeline rights of way	Section 28-T26N-R8E of W.M.
NE $\frac{1}{4}$ of NE $\frac{1}{4}$	Section 30-T26N-R8E of W.M.
NE $\frac{1}{4}$ of NW $\frac{1}{4}$ except City of Seattle Regulating Basin; S $\frac{1}{2}$ of NW $\frac{1}{4}$	Section 33-T26N-R8E of W.M.
Portions of NW $\frac{1}{4}$ of NE $\frac{1}{4}$; S $\frac{1}{2}$ of NE $\frac{1}{4}$; and N $\frac{1}{2}$ of NW $\frac{1}{4}$ lying North of City of Seattle Pipeline Right of Way; SW $\frac{1}{4}$	Section 35-T26N-R8E of W.M.
SE $\frac{1}{4}$ of NW $\frac{1}{4}$	Section 15-T23N-R9E of W.M.
N $\frac{1}{2}$ of SE $\frac{1}{4}$; SW $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 16-T23N-R9E of W.M.
N $\frac{1}{2}$ of NE $\frac{1}{4}$; SE $\frac{1}{4}$ of NE $\frac{1}{4}$; NE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 23-T23N-R9E of W.M.
NE $\frac{1}{4}$ of NE $\frac{1}{4}$; S $\frac{1}{2}$ of NE $\frac{1}{4}$; N $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 34-T23N-R9E of W.M.
Fr. North $\frac{1}{2}$	Section 35-T23N-R9E of W.M.

Weyerhaeuser Lands - Continued

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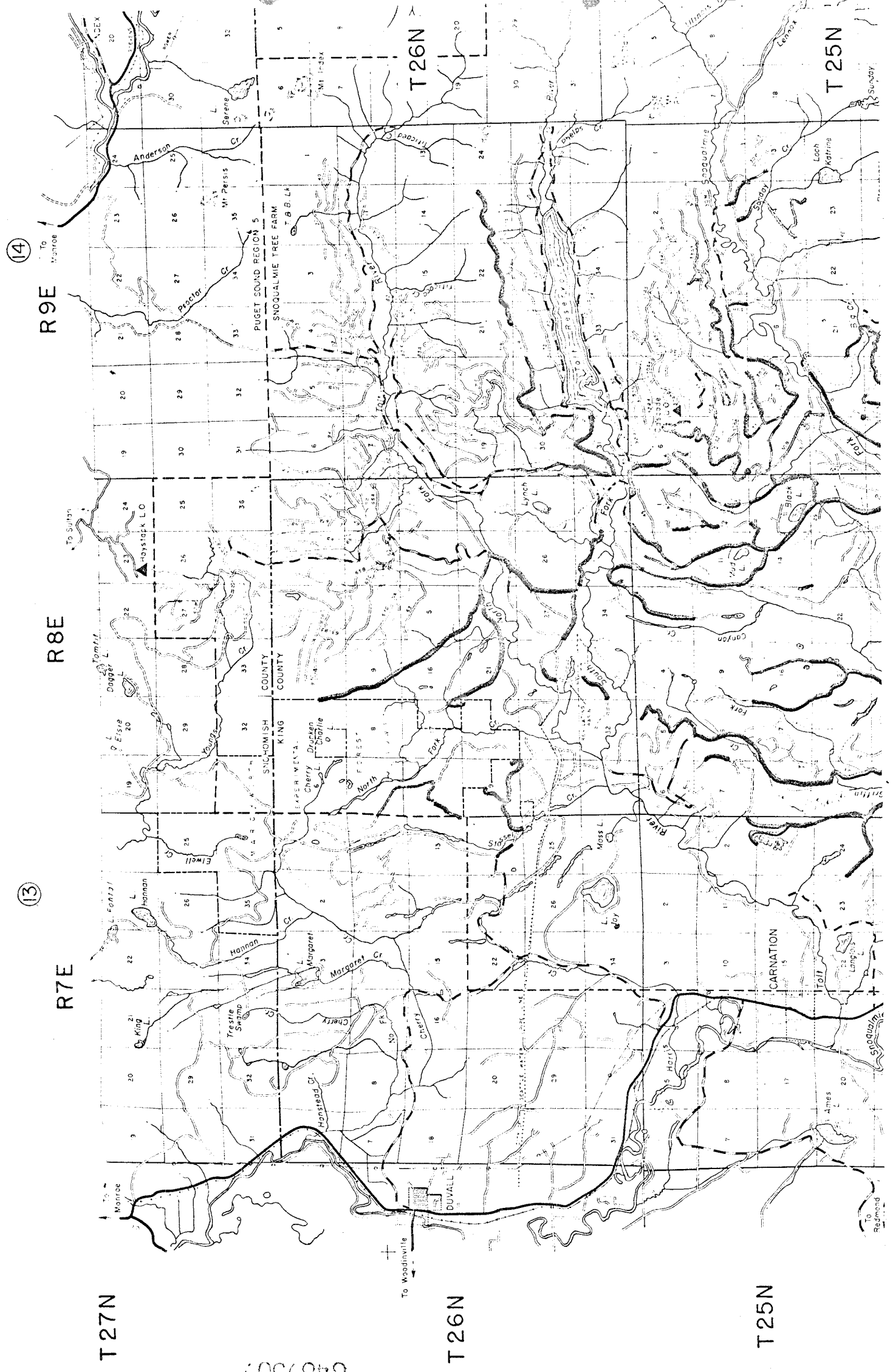
Lots 2, 3, 6 and 7	Section 6-T24N-R9E of W.M.
Lots 1, 2, 3, 4, 5, 6, 7 and 8	Section 7-T24N-R9E of W.M.
SW $\frac{1}{4}$ of NE $\frac{1}{4}$; NW $\frac{1}{4}$; NW $\frac{1}{4}$ of SE $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 8-T24N-R9E of W.M.
W $\frac{1}{2}$ of SW $\frac{1}{4}$	Section 17-T24N-R9E of W.M.
Lots 1, 4 and 5	Section 18-T24N-R9E of W.M.
W $\frac{1}{2}$ of NW $\frac{1}{4}$; NW $\frac{1}{4}$ of SW $\frac{1}{4}$; S $\frac{1}{2}$ of SW $\frac{1}{4}$; SE $\frac{1}{4}$	Section 20-T24N-R9E of W.M.
NE $\frac{1}{4}$; N $\frac{1}{2}$ of NW $\frac{1}{4}$; SW $\frac{1}{4}$ of NW $\frac{1}{4}$; N $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 29-T24N-R9E of W.M.
Pt. Lot 4; Lot 5	Section 6-T25N-R9E of W.M.
N $\frac{1}{2}$ of NE $\frac{1}{4}$; SW $\frac{1}{4}$ of NE $\frac{1}{4}$; Lot 1;	Section 7-T25N-R9E of W.M.
S $\frac{1}{2}$ of NW $\frac{1}{4}$; SW $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$	
S $\frac{1}{2}$ of NE $\frac{1}{4}$; N $\frac{1}{2}$ of SW $\frac{1}{4}$; SW $\frac{1}{4}$ of SW $\frac{1}{4}$;	Section 9-T25N-R9E of W.M.
N $\frac{1}{2}$ of SE $\frac{1}{4}$; SE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 11-T25N-R9E of W.M.
SE $\frac{1}{4}$ of SW $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$	
N $\frac{1}{2}$ of NE $\frac{1}{4}$; SE $\frac{1}{4}$ of NE $\frac{1}{4}$; N $\frac{1}{2}$ of NW $\frac{1}{4}$;	Section 17-T25N-R9E of W.M.
SW $\frac{1}{4}$; N $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 19-T25N-R9E of W.M.
SE $\frac{1}{4}$ of NE $\frac{1}{4}$; NE $\frac{1}{4}$ of SE $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 21-T25N-R9E of W.M.
NW $\frac{1}{4}$ of SW $\frac{1}{4}$; S $\frac{1}{2}$ of SW $\frac{1}{4}$; SW $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 28-T25N-R9E of W.M.
W $\frac{1}{2}$ of NE $\frac{1}{4}$; NW $\frac{1}{4}$	Section 29-T25N-R9E of W.M.
N $\frac{1}{2}$ of NE $\frac{1}{4}$; SW $\frac{1}{4}$ of NE $\frac{1}{4}$; West $\frac{1}{2}$	Section 30-T25N-R9E of W.M.
SE $\frac{1}{4}$ of NW $\frac{1}{4}$; NW $\frac{1}{4}$ of SE $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 31-T25N-R9E of W.M.
N $\frac{1}{2}$ of NE $\frac{1}{4}$; SE $\frac{1}{4}$ of NE $\frac{1}{4}$; E $\frac{1}{2}$ of SE $\frac{1}{4}$	
Fr. North $\frac{1}{2}$; NE $\frac{1}{4}$ of SW $\frac{1}{4}$;	Section 32-T25N-R9E of W.M.
S $\frac{1}{2}$ of SW $\frac{1}{4}$; Lot 3	Section 33-T25N-R9E of W.M.
Fr. W $\frac{1}{2}$ of NW $\frac{1}{4}$	
S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 21-T26N-R9E of W.M.
S $\frac{1}{2}$ of SW $\frac{1}{4}$; SE $\frac{1}{4}$	Section 22-T26N-R9E of W.M.
S $\frac{1}{2}$ of NE $\frac{1}{4}$; SE $\frac{1}{4}$ of NW $\frac{1}{4}$; N $\frac{1}{2}$ of S $\frac{1}{2}$	Section 23-T26N-R9E of W.M.
NE $\frac{1}{4}$ of NE $\frac{1}{4}$; S $\frac{1}{2}$ of NE $\frac{1}{4}$; NW $\frac{1}{4}$	Section 29-T26N-R9E of W.M.
Fr. North $\frac{1}{2}$; Fr. N $\frac{1}{2}$ of SW $\frac{1}{4}$; Lot 4	Section 31-T26N-R9E of W.M.

NORTH BEND EASEMENT EXCHANGEState Lands

SW $\frac{1}{4}$ of SW $\frac{1}{4}$	Section 4-T23N-R7E of W.M.
NE $\frac{1}{4}$ of NE $\frac{1}{4}$	Section 14-T23N-R7E of W.M.
NE $\frac{1}{4}$ of NE $\frac{1}{4}$; N $\frac{1}{2}$ of NW $\frac{1}{4}$	Section 16-T23N-R7E of W.M.
N $\frac{1}{2}$ of N $\frac{1}{2}$	Section 20-T23N-R7E of W.M.
E $\frac{1}{2}$ of NE $\frac{1}{4}$	Section 24-T25N-R7E of W.M.
SW $\frac{1}{4}$, less NE $\frac{1}{4}$ of SW $\frac{1}{4}$	Section 26-T25N-R7E of W.M.
N $\frac{1}{2}$ of NW $\frac{1}{4}$; SW $\frac{1}{4}$ of NW $\frac{1}{4}$	Section 36-T25N-R7E of W.M.
West $\frac{1}{2}$; NW $\frac{1}{4}$ of SE $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 20-T23N-R8E of W.M.
SW $\frac{1}{4}$ of NW $\frac{1}{4}$; N $\frac{1}{2}$ of SW $\frac{1}{4}$; SE $\frac{1}{4}$ of SW $\frac{1}{4}$	Section 22-T23N-R8E of W.M.
NE $\frac{1}{4}$ of NW $\frac{1}{4}$	Section 27-T23N-R8E of W.M.
NW $\frac{1}{4}$ of NW $\frac{1}{4}$; S $\frac{1}{2}$ of NW $\frac{1}{4}$; N $\frac{1}{2}$ of SE $\frac{1}{4}$; SE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 30-T23N-R8E of W.M.
Fr. West $\frac{1}{2}$; N $\frac{1}{2}$ of SE $\frac{1}{4}$; SW $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 2-T25N-R8E of W.M.
E $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 8-T25N-R8E of W.M.
E $\frac{1}{2}$ of NE $\frac{1}{4}$; N $\frac{1}{2}$ of NW $\frac{1}{4}$; W $\frac{1}{2}$ of SW $\frac{1}{4}$; NW $\frac{1}{4}$ of SE $\frac{1}{4}$; S $\frac{1}{2}$ of SE $\frac{1}{4}$	Section 12-T25N-R8E of W.M.
W $\frac{1}{2}$ of E $\frac{1}{2}$; SW $\frac{1}{4}$ of SW $\frac{1}{4}$	Section 16-T25N-R8E of W.M.
N $\frac{1}{2}$ of NE $\frac{1}{4}$; SW $\frac{1}{4}$ of NE $\frac{1}{4}$; E $\frac{1}{2}$ of NW $\frac{1}{4}$	Section 36-T25N-R8E of W.M.
N $\frac{1}{2}$ of SW $\frac{1}{4}$; SE $\frac{1}{4}$ of SW $\frac{1}{4}$; SW $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 7-T26N-R8E of W.M.
W $\frac{1}{2}$ of NE $\frac{1}{4}$; S $\frac{1}{2}$ of NW $\frac{1}{4}$; NE $\frac{1}{4}$ of SW $\frac{1}{4}$; Lot 4; NW $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 18-T26N-R8E of W.M.
SE $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 34-T26N-R8E of W.M.
South $\frac{1}{2}$	Section 6-T25N-R9E of W.M.
NE $\frac{1}{4}$; S $\frac{1}{2}$ of NW $\frac{1}{4}$; South $\frac{1}{2}$	Section 8-T25N-R9E of W.M.
NE $\frac{1}{4}$; NE $\frac{1}{4}$ of NW $\frac{1}{4}$; S $\frac{1}{2}$ of NW $\frac{1}{4}$	Section 10-T25N-R9E of W.M.
N $\frac{1}{2}$ of NE $\frac{1}{4}$; SW $\frac{1}{4}$ of NE $\frac{1}{4}$; E $\frac{1}{2}$ of NW $\frac{1}{4}$; SW $\frac{1}{4}$; SW $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 14-T25N-R9E of W.M.
NE $\frac{1}{4}$; NW $\frac{1}{4}$ of NW $\frac{1}{4}$; S $\frac{1}{2}$ of NW $\frac{1}{4}$; N $\frac{1}{2}$ of SW $\frac{1}{4}$; SE $\frac{1}{4}$	Section 18-T25N-R9E of W.M.
N $\frac{1}{2}$ of NE $\frac{1}{4}$; NW $\frac{1}{4}$; S $\frac{1}{2}$ of SW $\frac{1}{4}$	Section 20-T25N-R9E of W.M.
W $\frac{1}{2}$ of NE $\frac{1}{4}$; E $\frac{1}{2}$ of SW $\frac{1}{4}$	Section 30-T25N-R9E of W.M.
SW $\frac{1}{4}$ of NE $\frac{1}{4}$; Fr. W $\frac{1}{2}$ of W $\frac{1}{2}$; NW $\frac{1}{4}$ of SE $\frac{1}{4}$	Section 30-T26N-R9E of W.M.

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13

R9E

R8E

R7E

T27N

T26N

T25N

-47°45'

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To Monroe

To Woodville

To Redmond

To Sultan

To Monroe

To Subby

DUVALL

CARNATION

PUGET SOUND REGION 5

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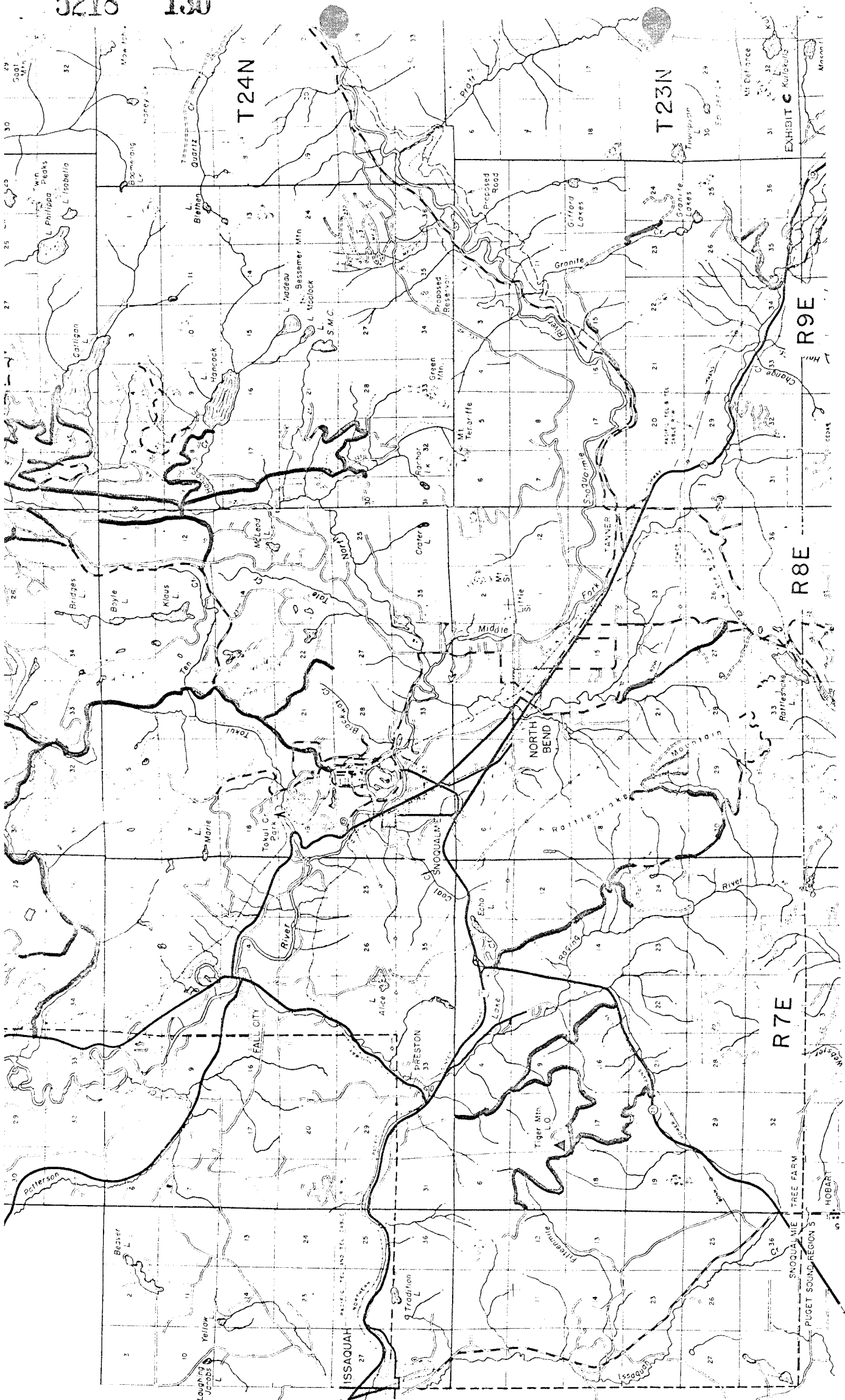
SNOQUALMIE TREE FARM

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T24N

To Seattle

T23N

Map for Record Map 29 112
 Request of *Robert J. Morris*
 ROBERT J. MORRIS, County Auditor

P. 30



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PAGE 001 OF 030
03/18/2009 12 02
KING COUNTY WA

FILED FOR RECORD AT THE REQUEST OF
Weyerhaeuser Company
P O Box 2999
Tacoma WA 98477-2999
Land Title - CH1F23

E1741504
03/18/2009 12 02
KING COUNTY WA
TAX
SALE \$2 00
\$0 00

PAGE 001 OF 002

Type of Document Statutory Warranty Deed
Reference Number(s) of Document Supplemented N/A
Grantor(s) Weyerhaeuser Company
Grantee(s) Weyerhaeuser Company Foundation

2000 031 6000875

Abbreviated Legal Description

T23N 7E, W M

Section 11 E1/4NE1/4 NE1/4SE1/4
Section 12 All
Section 13 NE1/4 SE1/4NW1/4 E1/4SW1/4 SE1/4
Section 23 SE1/4NE1/4 S1/4
Section 24 SW1/4SW1/4
Section 25 NE1/4 NW1/4 S1/4
Section 26 NE1/4NE1/4 W1/4NW1/4NE1/4 NW1/4
Section 35 NE1/4NE1/4
Section 36 NE1/4NE1/4 NW1/4 N1/4SW1/4

T23N-8E W M

Section 18 W1/4NE1/4 NW1/4 SW1/4 NW1/4SE1/4 S1/4SE1/4
Section 19 All
Section 20 SW1/4NW1/4 SW1/4SE1/4NW1/4 SW1/4 W1/4SW1/4SE1/4
Section 29 W1/4NE1/4 NW1/4 S1/4
Section 30 All
Section 31 N1/4NE1/4 SW1/4NE1/4 N1/4NW1/4 Gov Lot 2 Gov Lot 3
Section 32 N1/4NW1/4

Assessor's Property Tax Parcel or Account Number(s)

112307 9001	122307 9001	122307 9005
132307 9001	232307-9001	242307-9011
252307-9001	252307-9005	262307 9001
262307 9020	262307 9021	262307 9023
262307 9033	262307 9034	262307 9035
262307 9036	262307 9037	262307 9038
262307-9039	352307 9001	362307 9001
362307 9005	162308 9001	192308-9001
202308 9007	292308-9001	302308 9001
302308 9009	312306 9001	322308 9002

DEED IS BEING RE-RECORDED TO CORRECT THE LEGAL DESCRIPTION OF THE COVER PAGE TO INCLUDE THE FOLLOWING NE1/4SE1/4 Sec 11 23N 7E and S1/4 Sec 26 23N 7E

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KING COUNTY WA

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PAGE 001 OF 002

FILED FOR RECORD AT THE REQUEST OF

Weyerhaeuser Company
P O Box 2999
Tacoma, WA 98477-2999
Land Title - CH1F23

2000 031 6000875

Type of Document	Statutory Warranty Deed
Reference Number(s) of Document Supplemented	N/A
Grantor(s)	Weyerhaeuser Company
Grantee(s)	Weyerhaeuser Company Foundation

Abbreviated Legal Description

T23N-7E, W M

Section 11	E½NE¼
Section 12	All
Section 13	NE¼, SE¼NW¼, E½SW¼, SE¼
Section 23	SE¼NE¼, S½
Section 24	SW¼SW¼
Section 25	NE¼, NW¼
Section 26	NE¼NE¼, W½NW¼NE¼, NW¼
Section 35	NE¼NE¼
Section 36	NE¼NE¼, NW¼, N½SW¼

T23N-8E, W M

Section 18	W½NE¼, NW¼, SW¼, NW¼SE¼, S½SE¼
Section 19	All
Section 20	SW¼NW¼ SW¼SE¼NW¼, SW¼ W½SW¼SE¼

COVER PAGE
Weyerhaeuser/Foundation
King County WA
F99-557

2000 031 6000875

Section 29	W½NE¼, NW¼, S½
Section 30	All
Section 31	N½NE¼, SW¼NE¼, N½NW¼, Gov Lot 2, Gov Lot 3
Section 32	N½NW¼,

**Assessor's Property Tax Parcel
or Account Number(s)**

112307-9001	122307-9001	122307-9005
132307-9001	232307-9001	242307-9011
252307-9001	252307-9005	262307-9001
262307-9020	262307-9021	262307-9023
262307-9033	262307-9034	262307-9035
262307-9036	262307-9037	262307-9038
262307-9039	352307-9001	362307-9001
362307-9005	182308-9001	192308-9001
202308-9007	292308-9001	302308-9001
302308-9009	312308-9001	322308-9002

2000 031 6000875

STATUTORY WARRANTY DEED

THE GRANTOR, **WEYERHAEUSER COMPANY** a Washington corporation for and in consideration of making a gift, conveys and warrants to **WEYERHAEUSER COMPANY FOUNDATION**, a Washington non-profit corporation GRANTEE, the real estate situated in **King County Washington**, described on Exhibit A attached hereto and incorporated by reference herein, and subject to the encumbrances of title and reservations by Grantor as set forth on said Exhibit A

Dated the 20th day of October, 1999

WEYERHAEUSER COMPANY



By Richard E. Hanson
Title SE VP Timberlands

Attest Pamela M. Redmon
Title Assistant Secretary

Weyerhaeuser/Foundation
Raging River Tract King County WA
F99-557
Page 1

19991021000484
PAGE 003 OF 029
10/21/1999 10 03
KING COUNTY WA

STATE OF WASHINGTON)
)
COUNTY OF KING)

On this 20th day of October, 1999, before me personally appeared Richard E. Hanson and Pamela M. Redmon to me known to be the 6r Vice President, Timberland and Assistant Secretary, respectively, of WEYERHAEUSER COMPANY, the corporation that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation for the uses and purposes therein mentioned, and on oath stated that they were authorized to execute said instrument and that the seal affixed is the corporate seal of said corporation

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above mentioned

Lisa M. Eurom
Notary Public in and for the
State of Washington

My appointment expires 3/28/01



Weyerhaeuser/Foundation
Raging River Tract King County WA
F99-557
Page 2

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KING COUNTY WA

2000 031 6000875

IN KING COUNTY, WASHINGTON

TOWNSHIP 23 NORTH, RANGE 7 EAST, W.M.

2000 031 6000875

SECTION 11 **E $\frac{1}{2}$ NE $\frac{1}{4}$** Less and except those portions conveyed to the United States of America by Fee and Easement dated July 11, 1977, Auditor's file no 7707260115 and Less and except those portions conveyed to Weyerhaeuser Real Estate Company by Statutory Warranty Deed dated December 20 1996 Auditor's file no 9702120444

NE $\frac{1}{4}$ SE $\frac{1}{4}$ Less and except those portions conveyed to the United States of America by Fee and Easement dated July 11 1977, Auditor's file no 7707260115

SECTION 12 **ALL**

SECTION 13 **NE $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$, SE $\frac{1}{4}$**

SECTION 23 **SE $\frac{1}{4}$ NE $\frac{1}{4}$, S $\frac{1}{2}$**

SECTION 24 **SW $\frac{1}{4}$ SW $\frac{1}{4}$, less county road**

SECTION 25 **NE $\frac{1}{4}$, NW $\frac{1}{4}$** Less and except those portions deeded to King County for roadway under Auditor's File No 654101 and Less and except Right of Way of Green River and Northern Branch of the Northern Pacific Railway Company under Auditor s File No 240835,

S $\frac{1}{2}$

SECTION 26 **NE $\frac{1}{4}$ NE $\frac{1}{4}$** Less and except those portions deeded to King County for roadway under Recording Numbers 6660146 and 7503070247,

W $\frac{1}{2}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$

Weyerhaeuser/Foundation
King County WA
Raging River Tract
F99 557 10/18/99

EXHIBIT A, Page 1 of 12

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10/21/1999 10 03
KING COUNTY WA

2000 031 6000875

SECTION 35 NE $\frac{1}{4}$ NE $\frac{1}{4}$
SECTION 36 NE $\frac{1}{4}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, N $\frac{1}{2}$ SW $\frac{1}{4}$

TOWNSHIP 23 NORTH, RANGE 8 EAST, W M

SECTION 18 W $\frac{1}{2}$ NE $\frac{1}{4}$, Fractional NW $\frac{1}{4}$, Fractional SW $\frac{1}{4}$,
NW $\frac{1}{4}$ SE $\frac{1}{4}$, S $\frac{1}{2}$ SE $\frac{1}{4}$
SECTION 19 ALL Fractional
SECTION 20 SW $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$,
SW $\frac{1}{4}$,
W $\frac{1}{2}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$
SECTION 29 W $\frac{1}{2}$ NE $\frac{1}{4}$, NW $\frac{1}{4}$, S $\frac{1}{2}$
SECTION 30 All Fractional
SECTION 31 N $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$, Fractional N $\frac{1}{2}$ NW $\frac{1}{4}$,
Government Lot 2, Government Lot 3
SECTION 32 N $\frac{1}{2}$ NW $\frac{1}{4}$

TOGETHER WITH an easement to reconstruct, use and maintain the existing roads, hereinafter referred to as 'access roads', along a right of way sixty (60') feet in width, being thirty (30) feet on each side of the road centerline, as now constructed upon, over and across the SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 11, W $\frac{1}{2}$ W $\frac{1}{2}$ of Section 13, NE $\frac{1}{4}$ NE $\frac{1}{4}$ and SW $\frac{1}{4}$ of Section 14, SE $\frac{1}{4}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 15, N $\frac{1}{2}$ NE $\frac{1}{4}$, SW $\frac{1}{4}$ NE $\frac{1}{4}$ and NW $\frac{1}{4}$ of Section 23, all in Township 23 North, Range 7 East, said access roads are located approximately as shown on the attached Exhibit B Grantor may, at any time at its sole cost and expense, relocate said access roads, provided, however, Grantee shall have the right to use said relocated road(s) and provided further, that Grantee's right of access shall not be diminished or unduly interfered with thereby Said relocated road(s) shall become, for the purposes hereof the access roads and Grantee's rights for the old road(s) location shall terminate

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King County WA
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RESERVATION(S)

- 1) Grantor hereby reserves for itself, its successors and assigns a personal easement to reconstruct use and maintain the existing roads, over and across the **E $\frac{1}{2}$ SW $\frac{1}{4}$ and SE $\frac{1}{4}$ of Section 13, Township 23 North, Range 7 East and S $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 18, NE $\frac{1}{4}$ and W $\frac{1}{2}$ of Section 19, SW $\frac{1}{4}$ NW $\frac{1}{4}$ and W $\frac{1}{2}$ SW $\frac{1}{4}$ of Section 20, W $\frac{1}{2}$ NW $\frac{1}{4}$ of Section 29 and NW $\frac{1}{4}$, SW $\frac{1}{4}$, and SE $\frac{1}{4}$ of Section 30, Township 23 North, Range 8 East, W M** , said roads being located approximately as shown on attached Exhibit C Said roads will be used by Grantor to access its communications facilities located on land owned by the State of Washington in the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 20-T23N-8E W M
- 2) Grantor hereby reserves unto itself, its successors and assigns, the right to reconstruct, use and maintain those roads over and across the **NE $\frac{1}{4}$, E $\frac{1}{2}$ SW $\frac{1}{4}$ and SE $\frac{1}{4}$ of Section 13, NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 23, Township 23 North, Range 7 East**, said roads being located approximately as shown on the attached Exhibit D

SUBJECT TO

- 1 Rights reserved in federal patents or state deeds, mineral or fossil rights reservations, building or use restrictions general to the area, existing easements not inconsistent with Grantee's intended use, and building or zoning regulations or provisions shall not be deemed encumbrances or defects
- 2 Ancestral rights, if any, of descendants of aboriginal inhabitants to occupy, use and possess any portion of the premises as reserved by treaties, understandings, practice, statutes, or judicial decisions for food gathering, shelter, religious ceremonies social and economic gatherings, battlefields and burial sites
- 3 All matters of public record, to any easement or right of way for any public or private roads, railroads or utilities heretofore existing on said lands

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- 4 May be designated for tax purposes, as Forest Land
Compensating tax if any is due, will be the responsibility of the
Grantee upon change of use as forest land
- 5 All planning, zoning health and other governmental regulations if
any, affecting subject property
- 6 Reservations exceptions or conveyances of oil, gas, mineral or
fossil rights and leases, royalties and other rights pertaining thereto
and the terms and conditions thereof reserved by Northwestern
Improvement Company as contained in
Document Deed dated May 21 1945
Recorded Auditor s No 3566589 Volume 2470 of Deeds
page 542
- 7 Reservations, exceptions or conveyances of oil, gas, mineral or
fossil rights and leases royalties and other rights pertaining thereto,
and the terms and conditions thereof reserved by State of
Washington as contained in
Document Deed dated August 10, 1983
Recorded Auditor s No 8309010843
Re-recorded Auditor s No 8712110983
- 8 Reservations, exceptions or conveyances of oil, gas, mineral or
fossil rights and leases royalties and other rights pertaining thereto,
and the terms and conditions thereof reserved by Boise Cascade
Corporation as contained in
Document Warranty Deed
Recorded Auditor s No 8402060747

Document Statutory Warranty Deed
Recorded Auditor's No 8402060743
Re-recorded Auditor's No 8505200131
- 9 Easement for road and the terms and conditions thereof as set out
and contained in
Document Permit
Date August 2 1954

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Permittee United States of America
Document Beam Path Easement dated January 25, 1968
Document Beam Path Easement dated September 19, 1968
Document Contract and Grant of Easement Beam Path dated
September 23, 1993
Recorded Auditor's No 9312201523

10 Easement for transmission lines and access road and the terms
and conditions thereof as set out and contained in
Document Transmission Line Easement and Access Road
Easement
Date October 9 1959
Party United States of America
Recorded Auditor's No 5096042 Volume 3974 page 200

Document Release of Access Road Easement and Grant of
Access Road Easement dated October 19, 1960
Recorded Auditor's No 5218075 Volume 4094 page 44

11 Easement for road and the terms and conditions thereof as set out
and contained in
Document Permit
Date May 24 1962
Permittee United States of America

12 Easement for road and the terms and conditions thereof as set out
and contained in
Document Waiver of Damages
Date October 4, 1909
Grantee King County State of Washington

13 Easement for transmission lines and access road and the terms
and conditions thereof as set out and contained in
Document Transmission Line Easement and Access Road
Easement

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Date January 5 1968
Party United States of America
Recorded Auditor's No 6349748, Volume 5089 page 328

Document Access Road Easement dated June 18, 1971
Party United States of America

14 Easement for roads and the terms and conditions thereof as set out and contained in

Document North Bend Easement Exchange
Date September 20 1968
Parties Weyerhaeuser Company and State of Washington
Recorded Auditor's No 6489309 Volume 5218 page 119

15 Easement for underground telephonic cable and access road and the terms and conditions thereof as set out and contained in

Document Permit
Date October 24, 1969
Permittee Cascade Telephone Company

Document Supplemental Agreement dated December 11, 1979 and October 30 1989
Permittee Telephone Utilities of Washington, Inc

16 Easement for transmission line and the terms and conditions thereof as set out and contained in

Document Utility Easement
Date June 1 1970
Grantee Tanner Electric

17 Easement for roads and the terms and conditions thereof as set out and contained in

Document Easement Exchange
Date October 7, 1977
Parties Weyerhaeuser Company and Boise Cascade Corporation
Recorded Auditor's No 7806060960

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- 18 Easement for roads and the terms and conditions thereof as set out and contained in
Document Easement Exchange
Date February 4 1982
Parties Weyerhaeuser Company and Talmo Inc
Recorded Auditor s No 8204160401
- 19 Easement for transmission line and the terms and conditions thereof as set out and contained in
Document Order and Certificate of Grant of Right of Way
Date October 16, 1959
Grantee United States of America
- 20 Easement for road and the terms and conditions thereof as set out and contained in
Document Supplement (to Application No 24159)
Date March 29, 1972
Grantee Cascade TV Signals, Inc
- Document Order (Application No 24160)
Date January 14, 1957
Grantee Cascade TV Signals, Inc
- 21 Easement for radio relay station access road, right of way for power line and buried power cable the terms and conditions thereof as set out and contained in
Document Agreement No 27836
Date August 1, 1962
Grantee Tanner Electric Inc
- Document Agreement No 27837
Date July 1, 1962
Grantee Tanner Electric
- Document Agreement No 34128
Date October 31, 1969
Grantee Tanner Electric

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- 22 Easement for radio site and access road and the terms and conditions thereof as set out and contained in
Document Agreement No 27862
Date June 14 1965
Grantee United States of America
- 23 Easement for electronic seismograph site and access road and the terms and conditions thereof as set out and contained in
Document Agreement No 37500
Date January 1, 1974
Grantee University of Washington
- 24 Easement for radio relay site and access road and the terms and conditions thereof as set out and contained in
Document Agreement No 37617
Date January 1, 1974
Grantee King County, Department of Public Safety
Recorded Auditor's No 7605050592
- 25 Easement for road and the terms and conditions thereof as set out and contained in
Document Application no 38903
Date January 28, 1976
Grantee Boise Cascade Corporation
- 26 Easement for road and the terms and conditions thereof as set out and contained in
Document Order and Grant of Easement for Right of Way
Date April 20 1967
Grantee West Tacoma Newsprint Company
- 27 Easement for railroad and the terms and conditions thereof as set out and contained in
Document Certificate of Right of Way
Date February 4, 1904
Grantee Northern Pacific Railway Company

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KING COUNTY WA

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- 28 Easement for road and the terms and conditions thereof as set out and contained in
Document Order No 387
Date January 8, 1913
Grantee King County
- 29 Easement for water pipeline and the terms and conditions thereof as set out and contained in
Document Agreement No 36628
Date January 30 1976
Grantee James N Eaton
- 30 Easement for access road and the terms and conditions thereof as set out and contained in
Document Easement
Date September 15, 1977
Grantee Jack L Cartwright
- 31 Easement for transmission line and access road and the terms and conditions thereof as set out and contained in
Document Application No 22351
Date October 26, 1954
Grantee United States of America
- Document Order and Certificate of Grant of Right of Way*
Date October 25, 1954
Grantee United States of America
- 32 Easement for access road and the terms and conditions thereof as set out and contained in
Document Order
Date June 15, 1956
Grantee Pacific Telephone and Telegraph Company
- Document Order
Date June 15, 1956
Grantee Pacific Telephone and Telegraph Company

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- 33 Easement for microwave site and access road and the terms and conditions thereof as set out and contained in
Document Agreement No 29471
Date September 1 1964
Grantee Washington State Patrol
- 34 Reservation of an easement for road access and the terms and conditions thereof as set out and contained in
Document Quitclaim Deed
Date August 10, 1983
Grantor State of Washington
Recorded Auditor s No 8712110983
- 35 Document Permit (for water testing)
Date July 15, 1985
Permittee Metro

Document Supplemental Permit dated March 4, 1993
- 36 Easement for road and the terms and conditions thereof as set out and contained in
Document Easement
Date December 1, 1986
Permittee Plum Creek Timber Company, Inc
Recorded Auditor's No 8612120524
- 37 Easement for access road and the terms and conditions thereof as set out and contained in
Document Easement
Date December 14 1987
Grantee Richard M Anderson
- 38 Easement and the terms and conditions thereof as set out and contained in
Document Easement
Date January 12 1954
Grantee United States of America
Recorded Auditor's No 4411848

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- 39 Easement for road and the terms and conditions thereof as set out and contained in
Document Easement
Date June 7, 1956
Grantee The Pacific Telephone and Telegraph Company
Recorded Auditor s No 4701428
- 40 Easement for roads and the terms and conditions thereof as set out and contained in
Document Easement
Date March 25, 1976
Grantee Department of Natural Resources
Recorded Auditor s No 7604210526
- 41 Easement for buried electrical transmission line and the terms and conditions thereof as set out and contained in
Document Buried Cable Easement
Date June 27 1988
Grantee Tanner Electric Cooperative Inc
Recorded Auditor's No 8906080772
- 42 Document Permit No CAS-5400
Date April 18, 1990
Permittee Jim Kenworthy
- 43 Easement for access road and the terms and conditions thereof as set out and contained in
Document Easement
Date August 3 1990
Grantee Roy M Robertson and Evelyn R Robertson
Recorded Auditor's No 9101230340
- 44 Easement for roads and the terms and conditions thereof as set out and contained in
Document Statutory Warranty Deed
Date December 15, 1993
Grantee The Trust for Public Land

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Recorded Auditor's No 9312201972

45 Easement for transmission line and access road and the terms and conditions thereof as set out and contained in
Document Transmission Line and Access Road Easement
Date May 26 1967
Grantee United States of America
Recorded Auditor's No 6190657

46 Easement for drainage and the terms and conditions thereof as set out and contained in
Document Drainage Easement
Date February 7 1975
Grantee King County Washington
Recorded Auditor's No 7503070248

47 Easement to make slopes for cuts and fills and the terms and conditions thereof as set out and contained in
Document Warranty Deed
Date March 6, 1970
Grantee County of King, State of Washington
Recorded Auditor's No 6660146

48 Easement to make slopes for cuts and fills and the terms and conditions thereof as set out and contained in
Document Warranty Deed
Date February 7, 1975
Grantee County of King, State of Washington
Recorded Auditor's No 7503070247

49 Document Miscellaneous Land Use Permit
Date October 4, 1999
Permittee Trillium Corporation

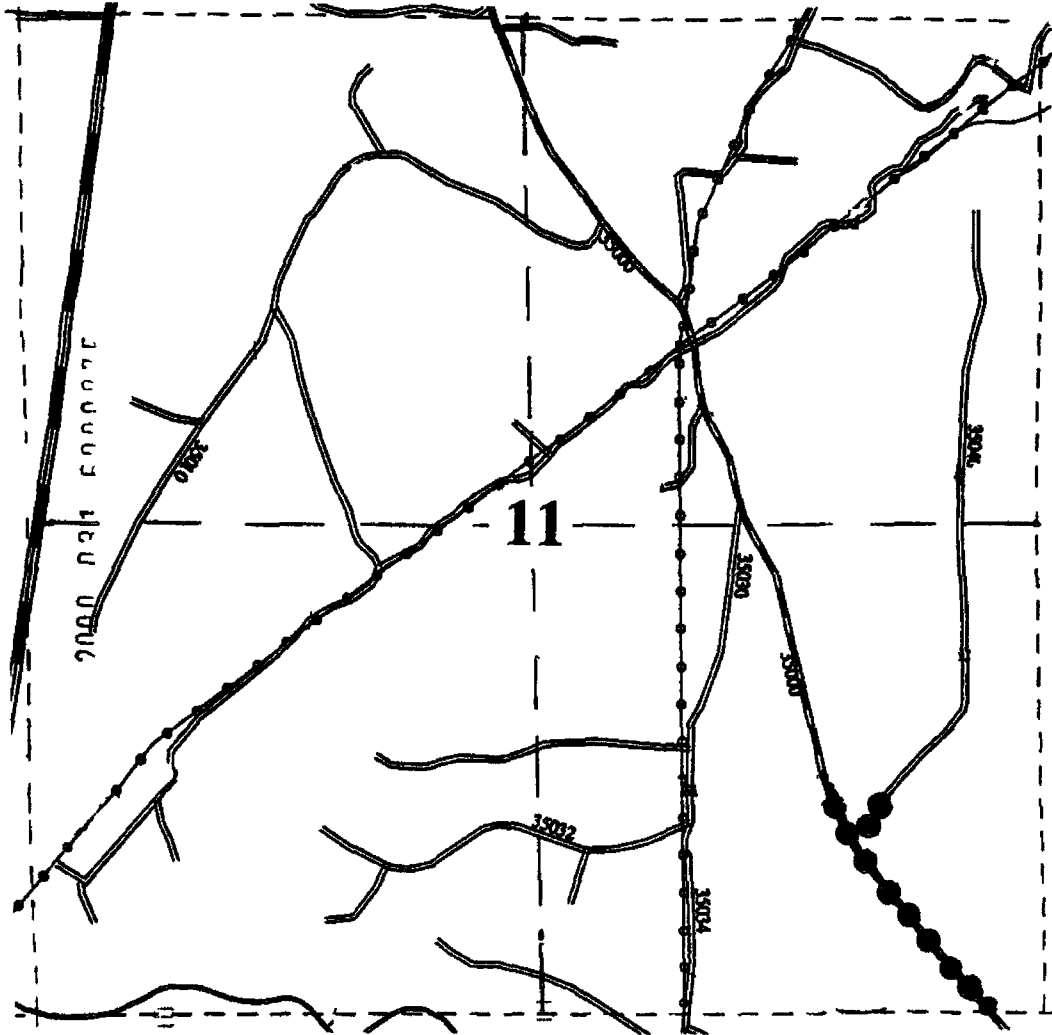
End of Exhibit A - - - -

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Section 11-T23N-R7E

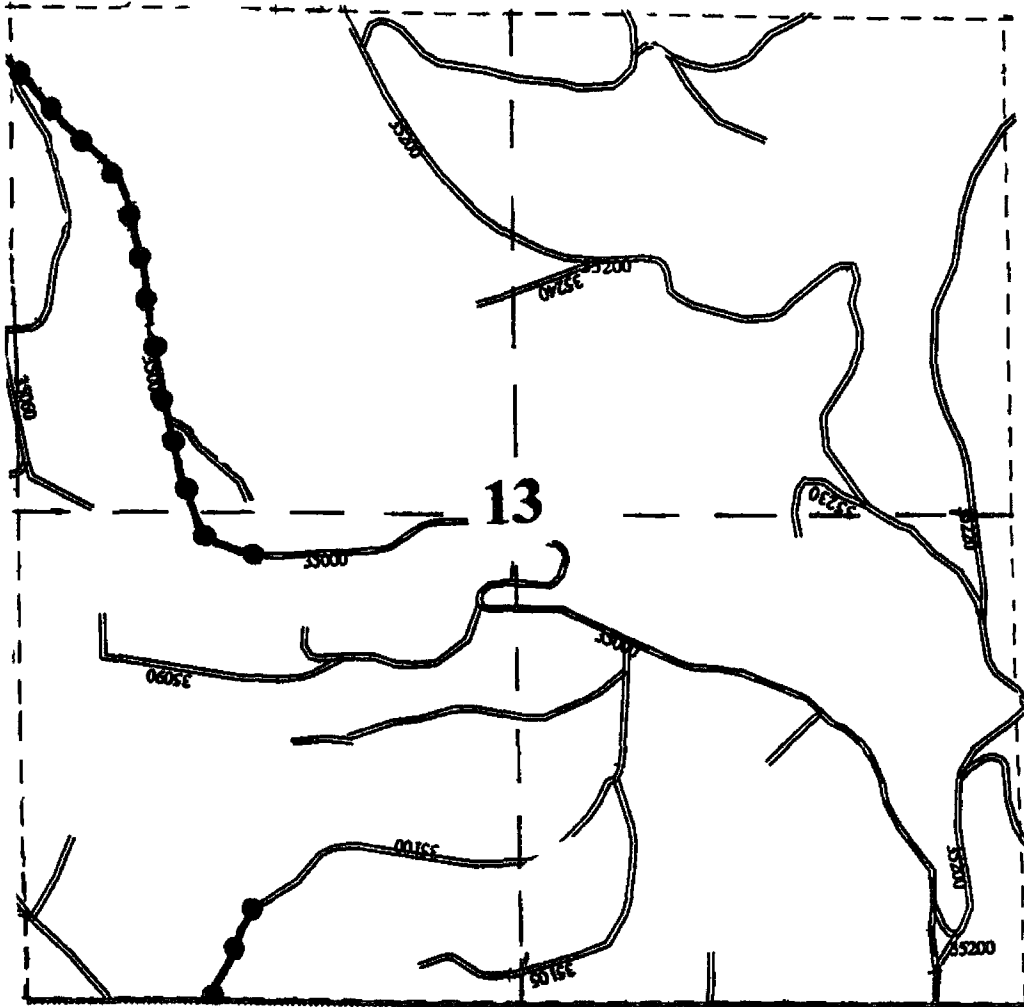


"Access" Road Easement

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Section 13-T23N-R7E

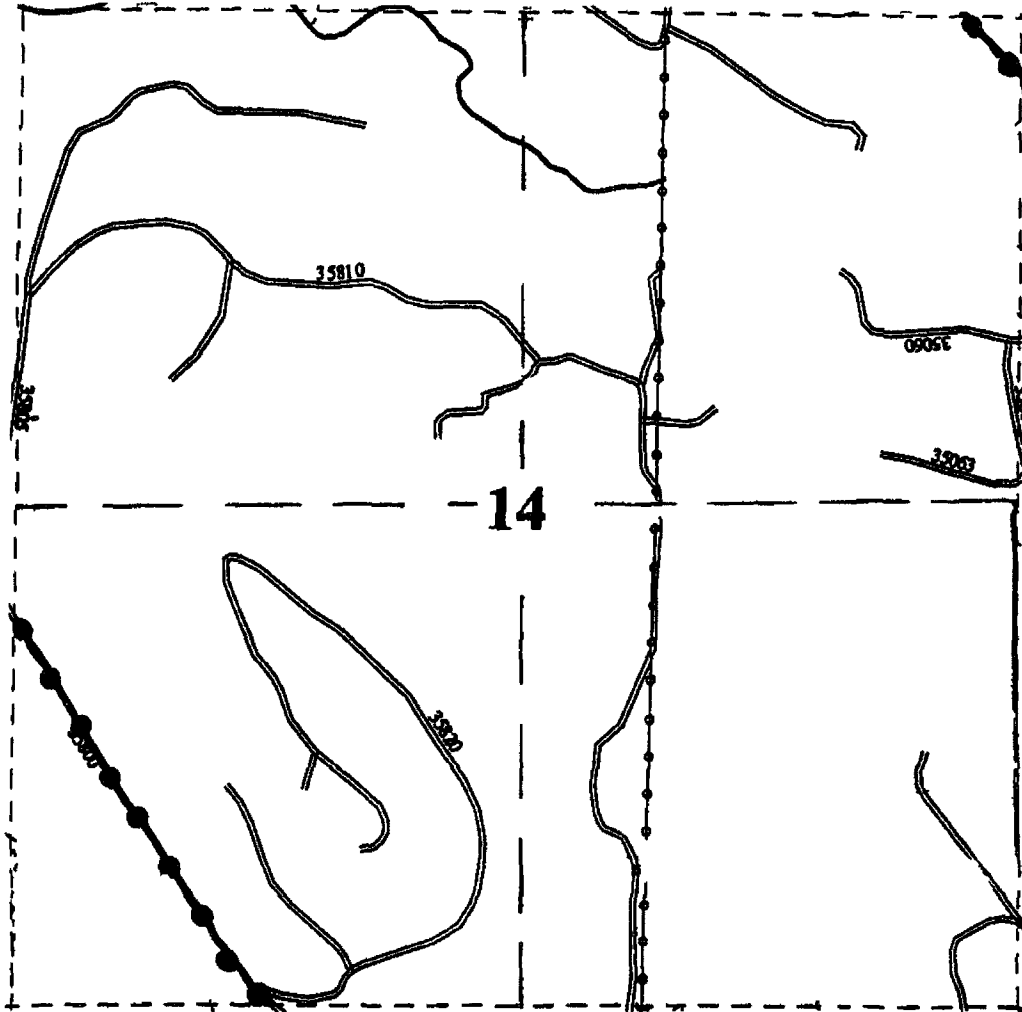


"Access" Road Easement

**Weyerhaeuser/Foundation
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Exhibit B, page 2**

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Section 14-T23N-R7E

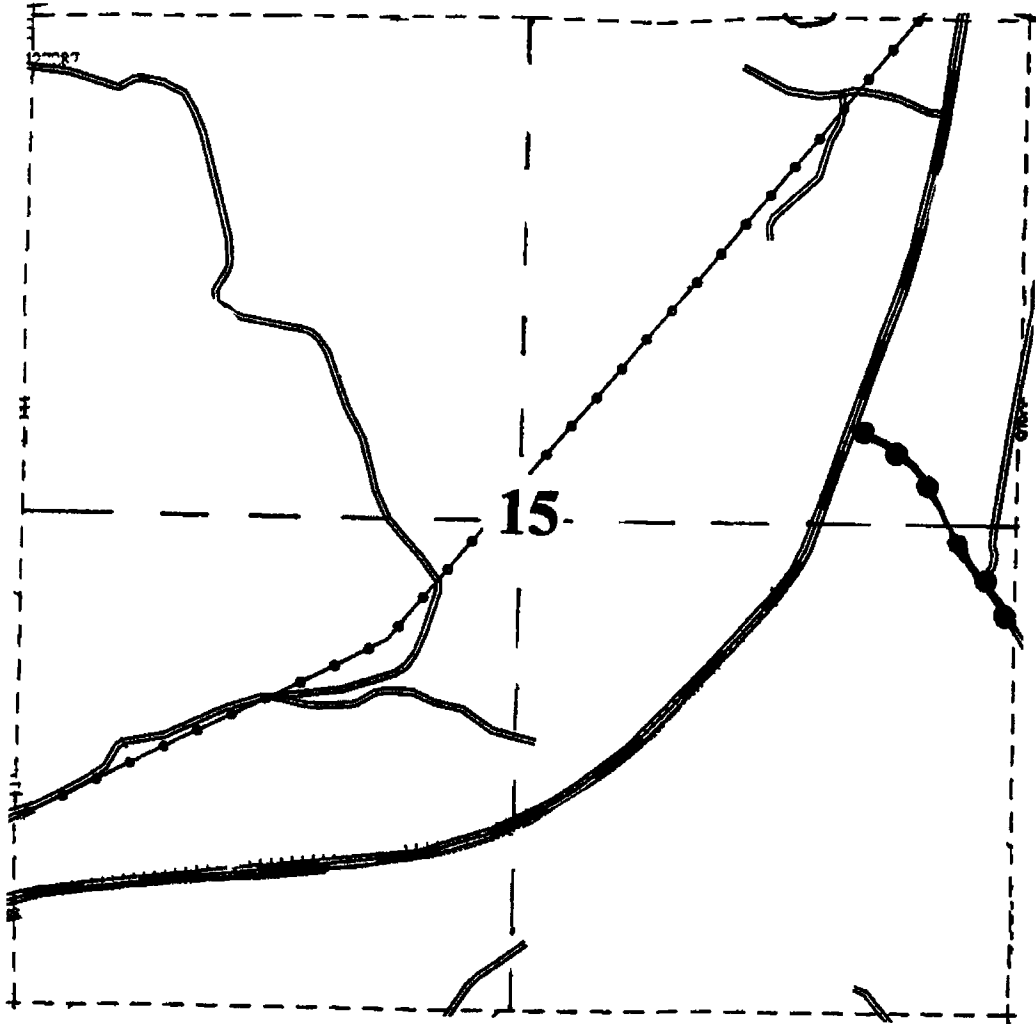


"Access" Road Easement

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Section 15-T23N-R7E

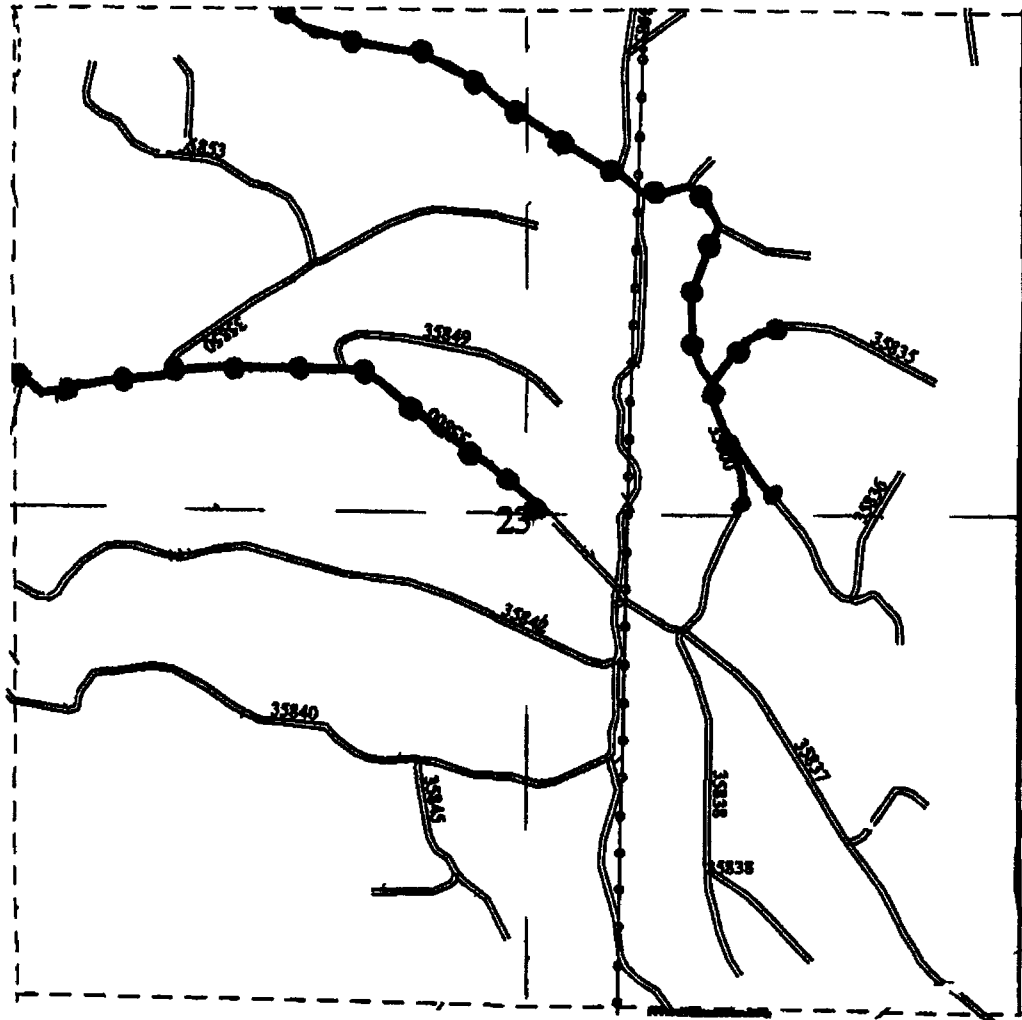


"Access" Road Easement

**Weyerhaeuser/Foundation
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Section 23-T23N-R7E

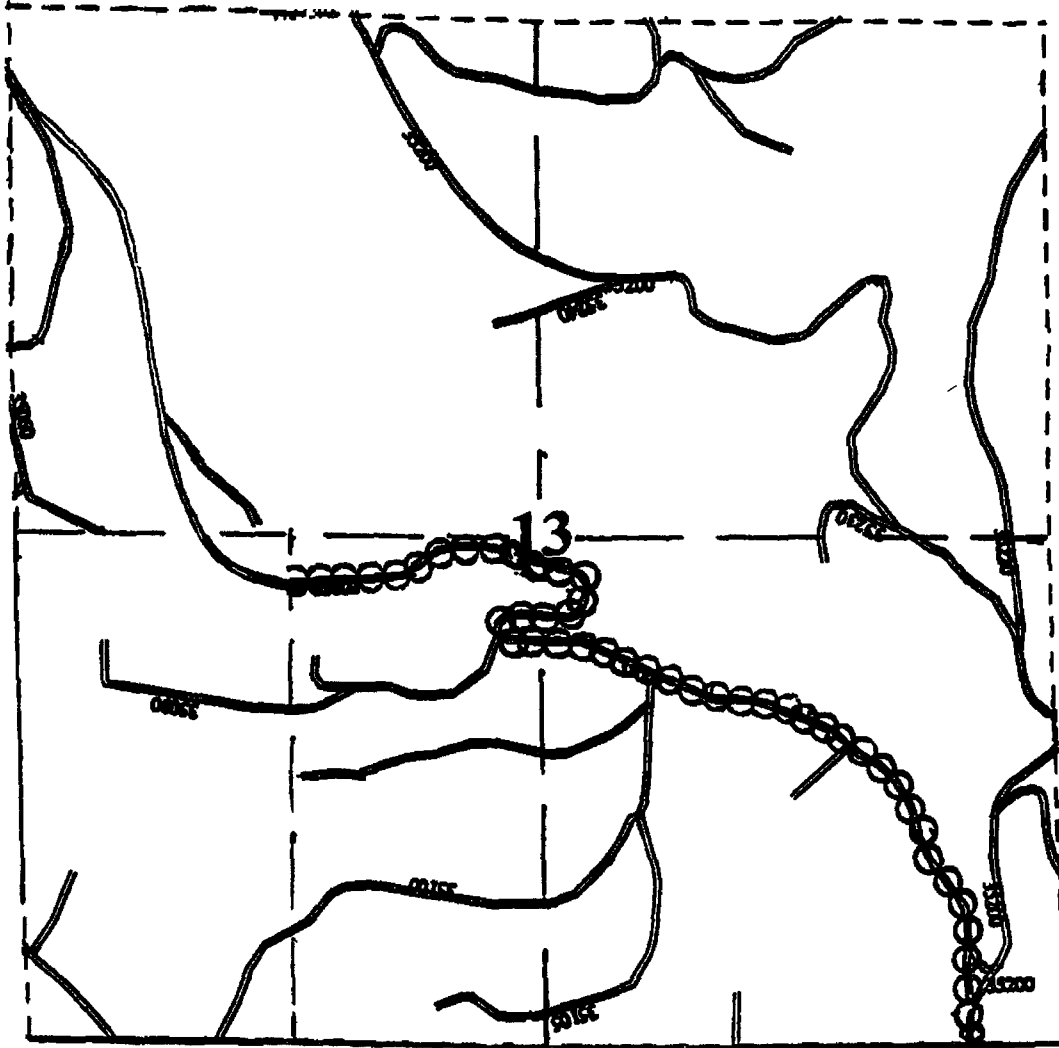


"Access" Road Easement

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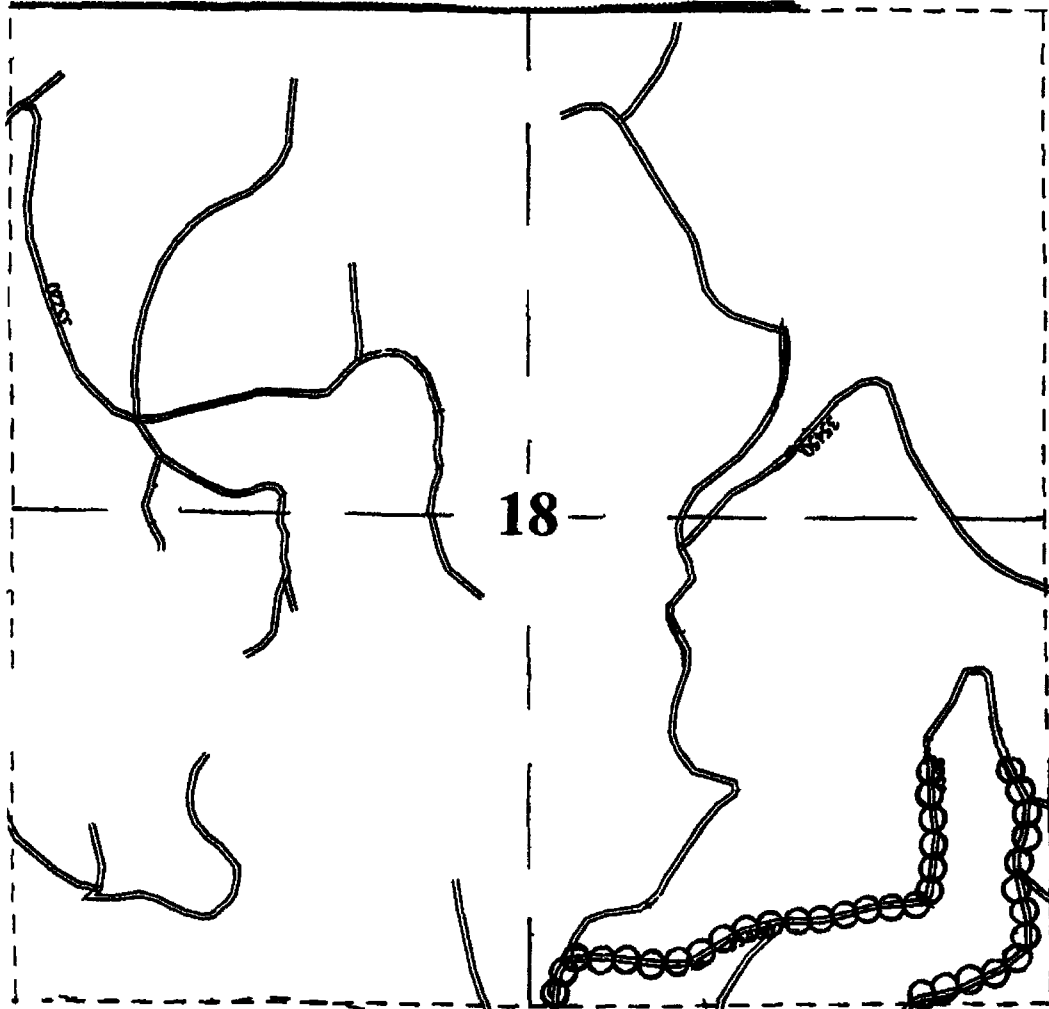
Section 13-T23N-R7E

○○○○○○ Road Reservation

Weyerhaeuser/Foundation
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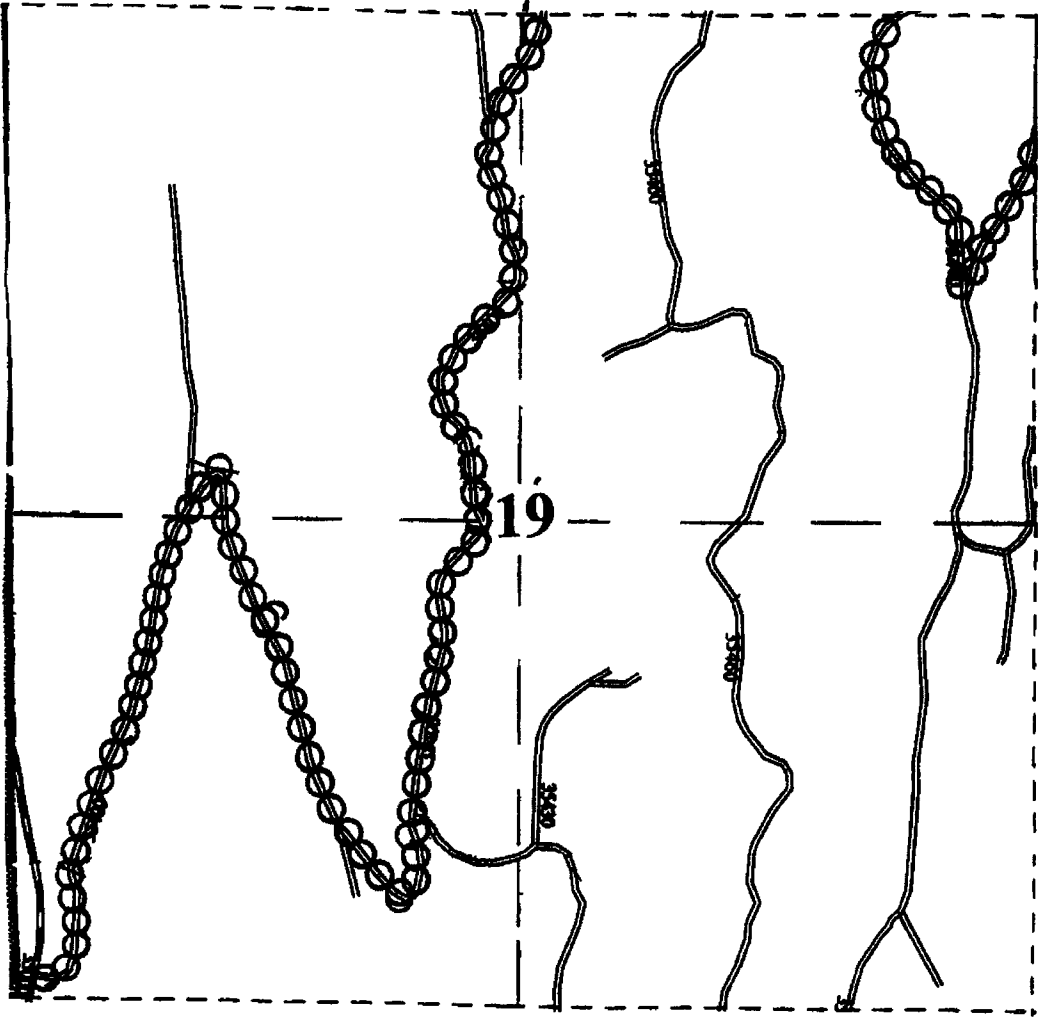
Section 18-T23N-R8E

⊙⊙⊙⊙⊙⊙ Road Reservation

Weyerhaeuser/Foundation
Raging River King Co WA
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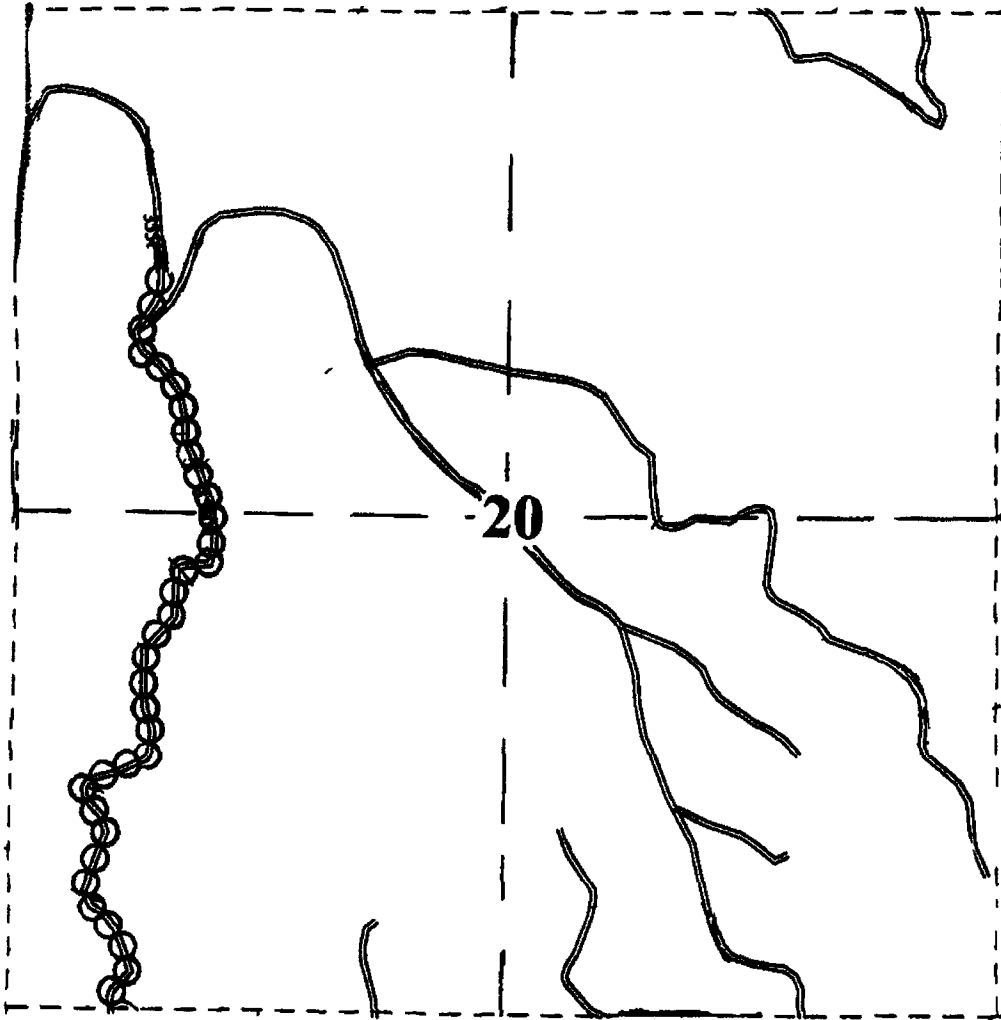
Section 19-T23N-R8E

○ ○ ○ ○ ○ ○ **Road Reservation**

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Raging River King Co WA
F99 557
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Section 20-T23N-R8E

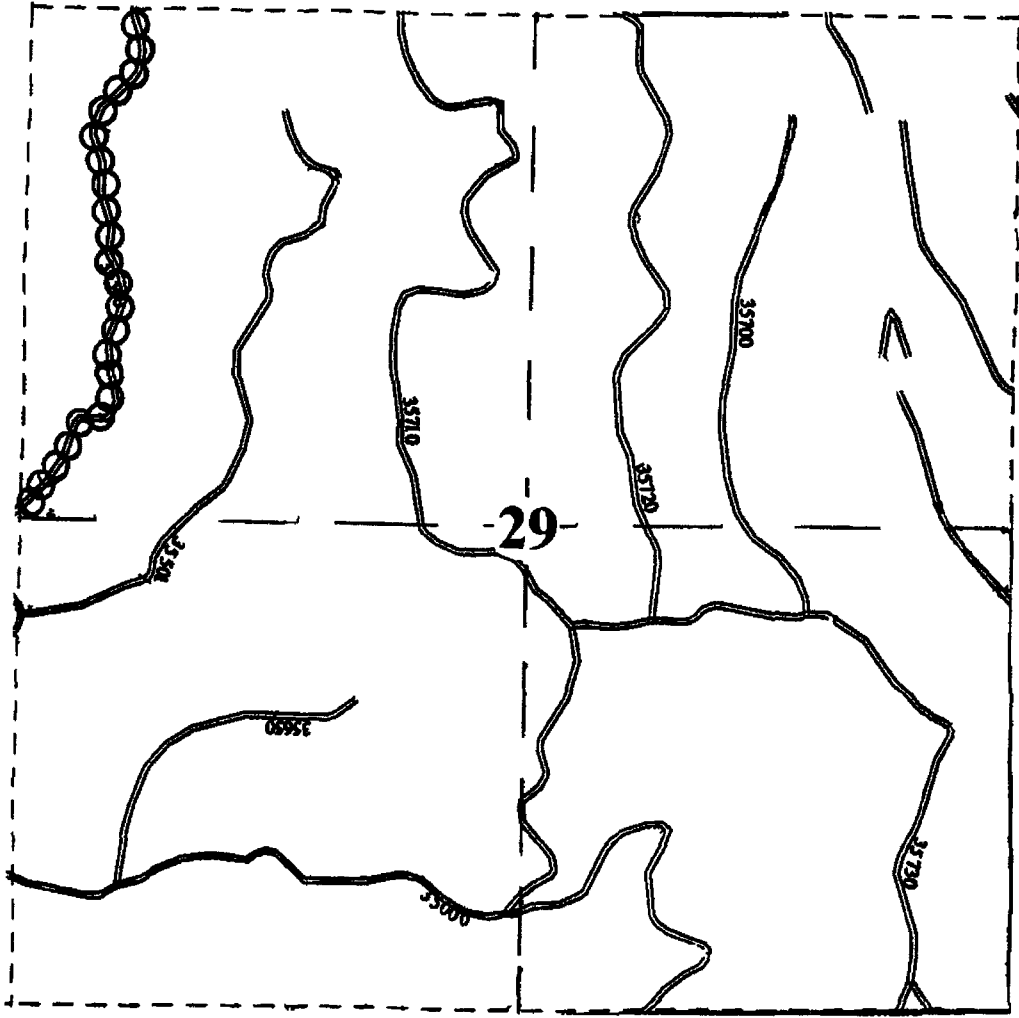
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Weyerhaeuser/Foundation
Raging River King Co WA
F99 557

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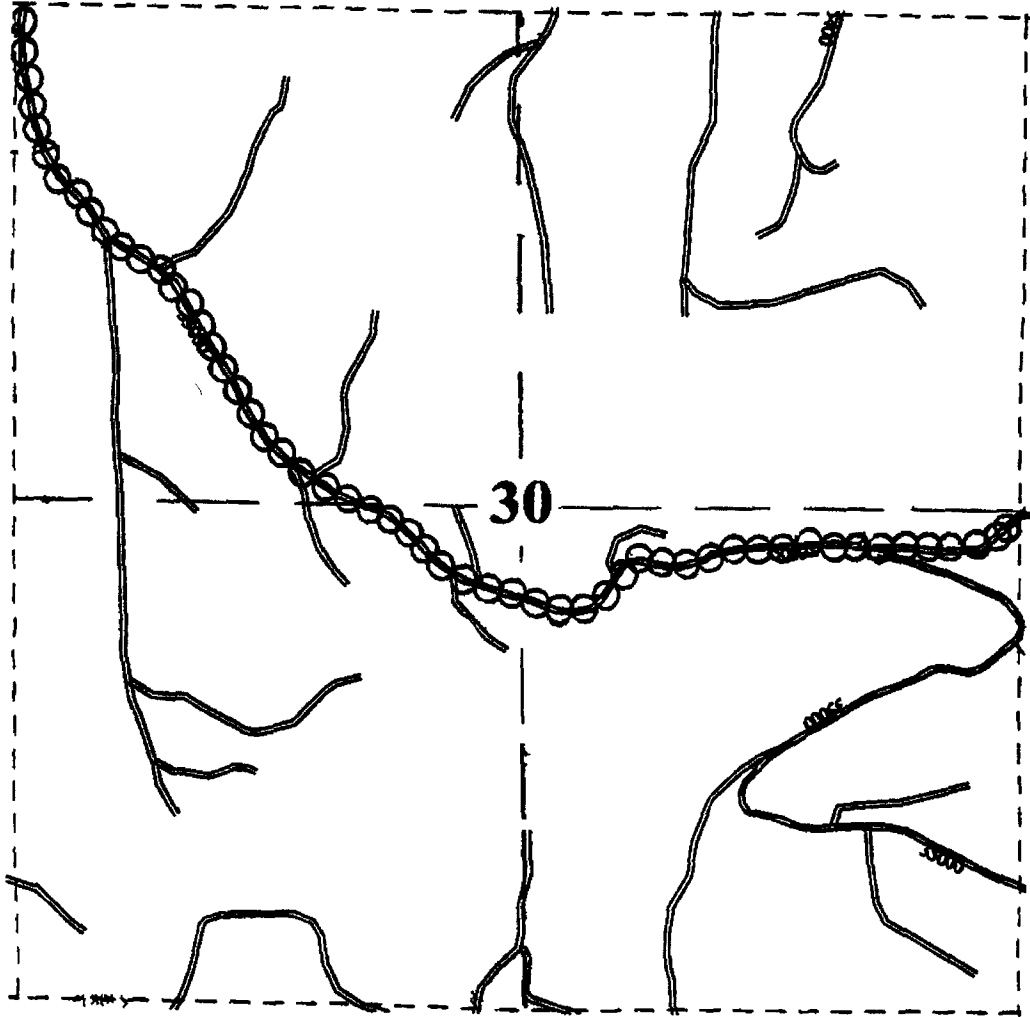
Section 29-T23N-R8E

⊖⊖⊖⊖⊖⊖ **Road Reservation**

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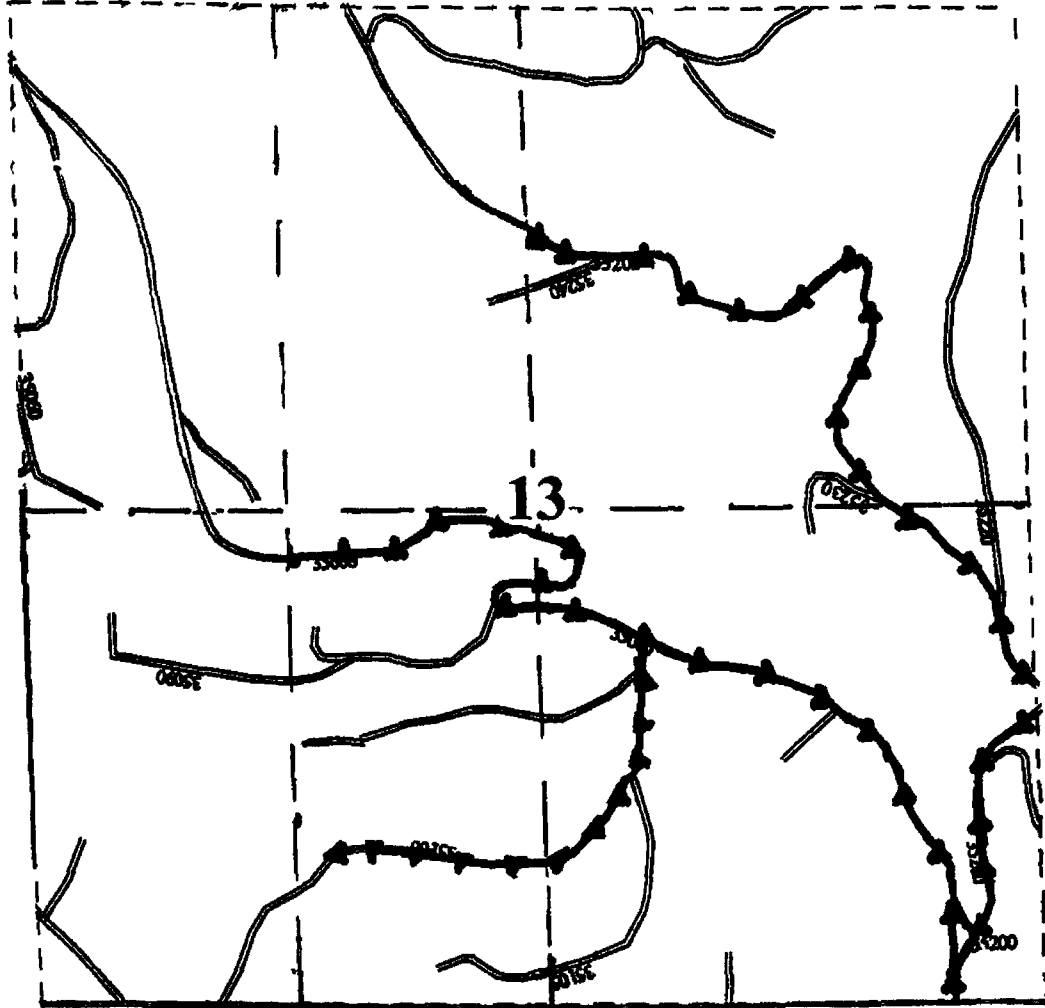
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⊖⊖⊖⊖⊖⊖ **Road Reservation**

Weyerhaeuser/Foundation
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Exhibit C, page 6

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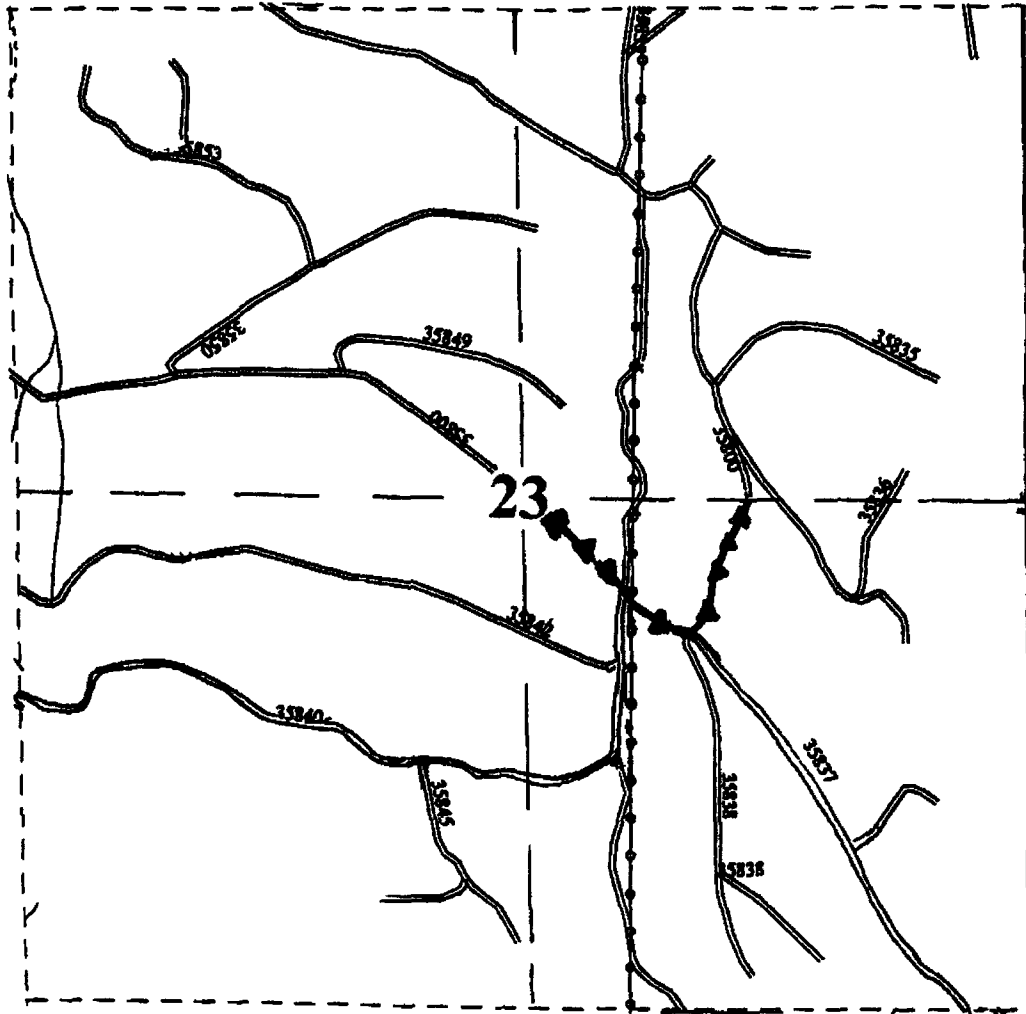
Section 13-T23N-R7E



Road Reservation

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Raging River, King Co WA
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Exhibit D, page 1

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Section 23-T23N-R7E



Road Reservation

Weyerhaeuser/Foundation
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KING COUNTY WA

Tract Nos. Snoqualmie Substation
Site (Fee)
Snoqualmie SS Entrance Road,
Parcel 1, (Easement)

RECORDED
INDEXED
2015
412 AVENUE, SEATTLE, WA 98121

FEE AND EASEMENT

7707260115

349544 AX

349544-SPECIAL

The Grantor, WEYERHAEUSER COMPANY, formerly Weyerhaeuser Timber Company, a Washington corporation, recognizing that public necessity requires that the herein-described rights be made available forthwith to Grantee, notwithstanding Grantor's wish to retain same, and desiring to avoid the delays and inconvenience incident to the acquisition of such rights by eminent domain, for and in consideration of the sum of TWO HUNDRED FOUR THOUSAND EIGHT HUNDRED AND TEN DOLLARS (\$204,810) in hand paid by the UNITED STATES OF AMERICA, receipt of which is hereby acknowledged, does hereby grant, bargain, sell, and convey unto the UNITED STATES OF AMERICA, Grantee, a tract of land in the SW¹/₄, the SE¹/₄NE¹/₄, and the E¹/₂ of Section 11, Township 23 North, Range 7 East of the Willamette Meridian, in King County, Washington, described as follows:

Beginning at a Bonneville Power Administration Monument in the SW¹/₄SW¹/₄ of Section 11, Township 23 North, Range 7 East, Willamette Meridian, on the southeasterly right-of-way line of the existing Bonneville Power Administration Rocky Reach-Maple Valley No. 1 Transmission Line described in Book 3974, Page 200, deed records of King County, Washington. Said monument is N.30°31'37"E., 1395.6 feet from the southwest corner of said Section 11. This corner is evidenced by a stone. Thence N.41°03'20"E., along said existing right-of-way line, 355.90 feet to a HPA Monument; thence N.52°41'53"E., along said existing right-of-way line, 1265.49 feet to a HPA Monument; thence N.1°50'50"E., 193.42 feet to a HPA Monument on the northwesterly right-of-way line of said existing transmission line; thence N.52°41'53"E., along said existing right-of-way line, 3094.75 feet to a HPA Monument; thence S.1°50'50"W., 3222.01 feet to a HPA Monument; thence N.88°09'10"W., 3606.74 feet to the true point of beginning. Said tract of land contains 139.62 acres, more or less.

Subject to the reservation of all minerals in deed from Northwestern Improvement Company, a Delaware corporation, contained in deed recorded under King County Recording No. 3566589.

Reserving, however, to the Grantor, its successors and assigns, a right-of-way for a road 60 feet in width, being 30 feet on each side of the centerline of the existing road across the SW¹/₄NE¹/₄ and the E¹/₂SR¹/₄ of Section 11, Township 23 North, Range 7 East, together with the right to grant others use thereon; provided nevertheless that Grantee may relocate the road at its own expense on a location agreeable to Grantor, in which event, the reserved rights of Grantor shall automatically transfer to the new alignment, which shall be identified by a recordable instrument executed by both parties.

1% EXCISE TAX NOT REQUIRED
King Co. Records Division

By J. Tarkoff, Deputy

7707260115

Grantor also grants and conveys to the UNITED STATES OF AMERICA and its assigns, a perpetual non-exclusive easement and right-of-way 40 feet in width over the existing access road in the ~~WEST~~ and the ~~NORTH~~ of Section 11, Township 23 North, Range 7 East, Willamette Meridian, King County, Washington, for the following purposes, namely: The right to enter and to clear of timber and brush; the right to grade, level, cut, fill, drain, build, surface maintain, repair and rebuild a road and such culverts, bridges, turnouts, retaining walls, or other appurtenant structures as may be necessary; and the right to use said road on, over, and across the land embraced within the right-of-way, as shown on the attached right-of-way map serially numbered 156499 JTM-D.

The Grantor reserves the right of ingress and egress over and across said road, and the right to pass and repass along and on said road insofar as the same extends across the lands of the Grantor, said right to be exercised in a manner that will not interfere with the use of the road by the United States of America, its employees, contractors, or assigns.

It is understood and agreed that if said road is damaged by the UNITED STATES OF AMERICA, its employees contractors, or assigns, the UNITED STATES OF AMERICA, subject to the availability of appropriations, or its assigns, will repair such damage.

TO HAVE AND TO HOLD said parcel of land and said easement rights unto the UNITED STATES OF AMERICA and its assigns, forever.

Grantor covenants with the UNITED STATES that it is lawfully seized and possessed of the lands aforesaid has a good and lawful right and power to sell and convey the same; that the same are free and clear of all encumbrances, and that it will forever warrant and defend the title thereto and quiet possession thereof against the lawful claims of all persons whomsoever.

Dated this 11th day of July, 1977

(SEAL)

WETTERHAUSER COMPANY

By [Signature]
Land & Timber Resources Manager
Attest: [Signature]
Assistant Secretary



(Corporate Form)

STATE OF WASHINGTON)
COUNTY OF KING) ss:

7707260115

On this 11th day of July, 19 77, before me personally appeared R. N. Witter, Jr. and Robert N. Mogensen to me known to be the Land & Timber Resources Manager and Assistant Secretary of the corporation that executed the foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated they were authorized to execute said instrument and that the seal affixed is the corporate seal of said corporation.

GIVEN under my hand and official seal the day and year last above written.



Robert J. Morris

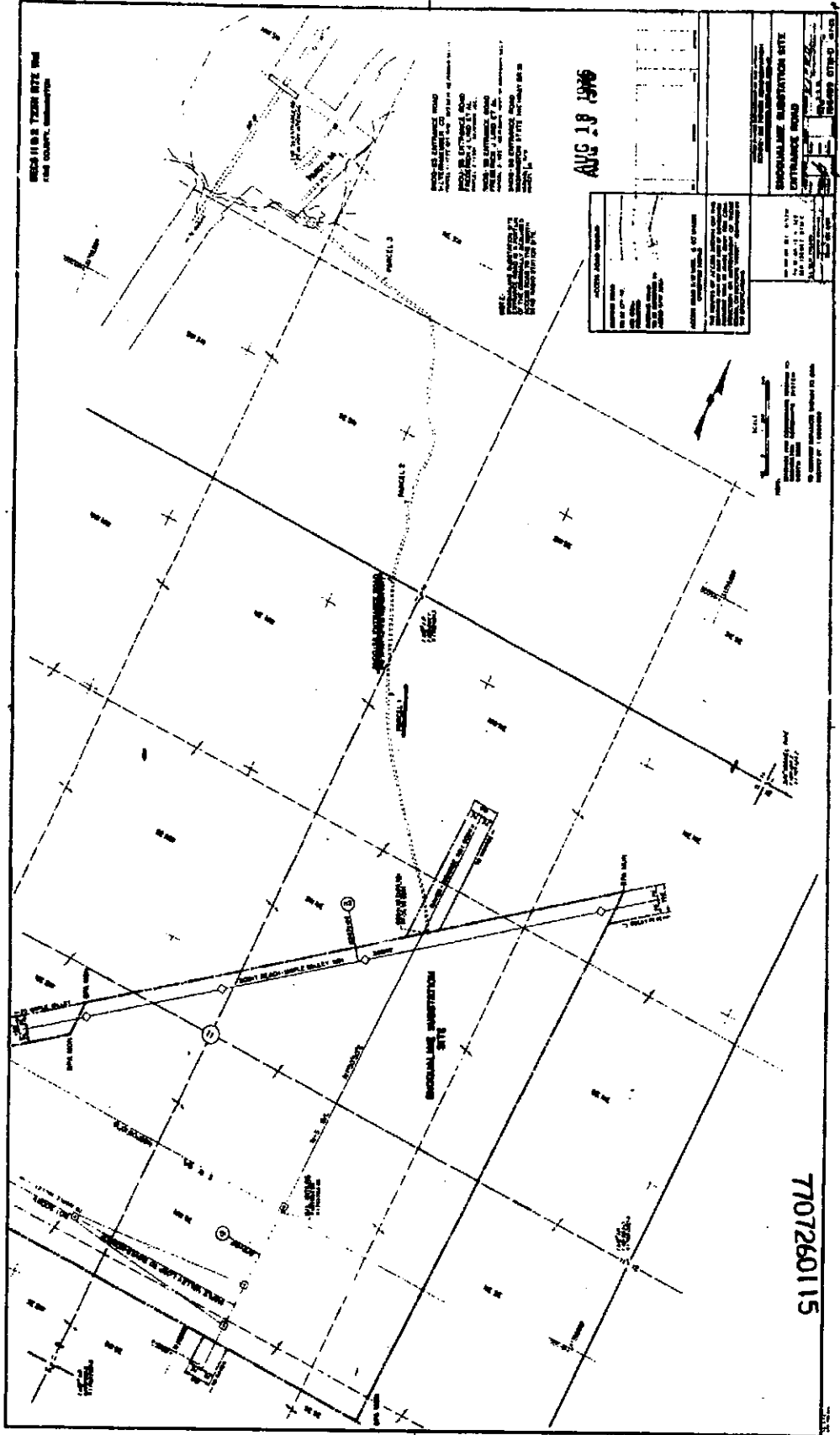
Notary Public in and for the
State of Washington
Residing at Puyallup

My commission expires: 1/21/81

The within instrument was recorded on the _____ day of _____, 19 _____
at _____ M., in _____ records of _____ County, _____ (State).

By _____
Deputy.

BONNEVILLE POWER ADMINISTRATION
P.O. BOX No. 3421
PORTLAND, OREGON 97208



SECTION 12 T22N R12E S14
 1st 4th DIST. MINN.

AUG 19 1936

7107260115

OWNER	STATE OF MINN.
DATE	1936
BOOK	123
PAGE	45
SECTION	12
TOWNSHIP	T22N
RANGE	R12E
SOURCE	...

AREA	...
PERCENTAGE	...
...	...

THIS IS A COPY OF THE ORIGINAL RECORD AS FILED IN THE OFFICE OF THE REGISTER OF DEEDS, COUNTY OF ... MINN. ON ... 1936.

THE ORIGINAL RECORD IS FILED IN THE OFFICE OF THE REGISTER OF DEEDS, COUNTY OF ... MINN.

500

977 JUN 26 AM 8 30

DIRECTOR
RECORDS & INFORMATION
KING COUNTY, WASH.

7707260115



new 55-08249166

WHEN RECORDED, RETURN TO:

Fruit Growers Supply Company
Attn: Charles Brown
PO Box 10352
Van Nuys, CA 91410

CONFORMED COPY

20090330000843

FRUIT GROWER S EAS 45.00
PAGE001 OF 004
03/30/2009 11:57
KING COUNTY, WA

<u>Type of Document:</u>	Partial Assignment of Easements
<u>Reference Nos. of Document(s) Assigned or Released:</u>	5375087, 5375088, 7707260115, 8802250312, 9702120444
<u>Grantor:</u>	Weyerhaeuser Company
<u>Grantee:</u>	Fruit Growers Supply Company
<u>Abbreviated Legal Descriptions:</u>	2-23N-7E: N½SW¼, SE¼SW¼ 11-23N-7E: W½NE¼, NE¼NW¼, N½SE¼, SE¼SE¼
<u>Assessor's Property Tax Parcel Nos.:</u>	0223079009, 0223079012, 1123079001, 1123079002, 1123079004, 1123079005

PARTIAL ASSIGNMENT OF EASEMENTS

WHEREAS, by Right of Way Easement, dated March 15, 1961, recorded in Volume 4231, page 256, under King County, Washington Auditor's No. 5375087, Hilda K. Lind granted to Weyerhaeuser Company an easement for road over and across the SE¼SW¼ of Section 2, Township 23 North, Range 7 East, W.M. in King County, Washington;

WHEREAS, by Right of Way Easement, dated March 15, 1961, recorded in Volume 4231, page 258, under King County, Washington Auditor's No. 5375088, Hilda K. Lind granted to said Weyerhaeuser Company, a Washington corporation,

84967

FGS Raging River Partial
Assignment.doc
Page 1 of 4

EXCISE TAX NOT REQUIRED

King Co. Records Division

By David J. O'Brien Deputy

an easement for road over and across the **N $\frac{1}{2}$ SW $\frac{1}{4}$ of Section 2, Township 23 North, Range 7 East, W.M. in King County, Washington;**

WHEREAS, by Fee and Easement in favor of the United States of America, dated July 11, 1977, recorded in said King County, under Auditor's No. 7707260115, said Weyerhaeuser Company reserved road easement rights over and across portions of the **SW $\frac{1}{4}$ NE $\frac{1}{4}$ and N $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 11, Township 23 North, Range 7 East, W.M. in King County, Washington;**

55-084964

WHEREAS, by Easement, dated January 25, 1988, recorded in said King County under Auditor's No. 8802250312, said Weyerhaeuser Company acquired road easement rights from the United States of America over and across the **SE $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 11, Township 23 North, Range 7 East, W.M. in King County, Washington;**

84954

WHEREAS, Weyerhaeuser Company, pursuant to that certain Statutory Warranty Deed conveying land to Weyerhaeuser Real Estate Company, dated December 20, 1996, recorded in said King County under Auditor's No. 9702120444, reserved road easement rights over and across portions of the **W $\frac{1}{2}$ NE $\frac{1}{4}$ and NE $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 11, Township 23 North, Range 7 East, W.M. in King County, Washington;**

84968

WHEREAS, all of the above-described reserved and acquired rights are appurtenant to the lands conveyed to Fruit Growers Supply Company, ("FGS Lands"), by Weyerhaeuser Company pursuant to that certain Statutory Warranty Deed, dated October 25, 1999, recorded in said King County under Auditor's No. 19991025001735 and rerecorded under Auditor's No. 20000316000874 and by Weyerhaeuser Company Foundation pursuant to that certain Statutory Warranty Deed, dated June 23, 2000, recorded in said King County under Auditor's No. 20000712000949.

WHEREAS, said Weyerhaeuser Company and said Fruit Growers Supply Company agree that the above-described easement rights that provide ingress to and egress from said FGS Lands shall be assigned, set over and transferred to Fruit Growers Supply Company and those that provide ingress to and egress from land, timber, mineral and other ownership and interests of Weyerhaeuser Company shall be retained by Weyerhaeuser Company;

NOW THEREFORE, Weyerhaeuser Company, a Washington corporation, hereby assigns, sets over and transfers, without warranty, unto Fruit Growers Supply Company, a California corporation, the above-described easement rights providing access to and from said FGS Lands. Weyerhaeuser Company shall

retain all other rights under said above-described easement rights providing access to and from its remaining land, timber, mineral and other ownership and interests.

Fruit Growers Supply Company, by the acceptance hereof, hereby binds and obligates itself to perform all the conditions and covenants of said reserved and acquired easements, except maintenance arising out of Weyerhaeuser Company's retained rights, and hereby assumes and agrees to defend and hold harmless Weyerhaeuser Company from any claim or liability arising thereunder, except any claim arising out of Weyerhaeuser Company's use of said road rights of way described above. Weyerhaeuser Company and Fruit Growers Supply Company shall share maintenance in proportion to use.

Dated this 6th day of March, 2009.



WEYERHAEUSER COMPANY

Its:

Assistant Secretary

Accepted in behalf of
FRUIT GROWERS SUPPLY COMPANY

By:

Its:

VP Finance & CFO

STATE OF WASHINGTON)
)
) SS.
COUNTY OF KING)

On this 16th day of March, 2009, before me personally appeared Theodore Cozine and H.W. Bjerk, to me known to be the Vice President and Assistant Secretary, respectively, of **WEYERHAEUSER COMPANY**, the corporation that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that they were authorized to execute and deliver said instrument and that the seal affixed is the corporate seal of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.



Alicia A. Hanson
Notary Public in and for the State of Washington
residing at Tacoma, Pierce, WA
1-31-2013

My appointment expires:

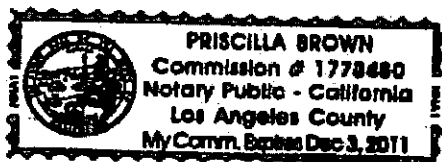
STATE OF CALIFORNIA)
)
) SS.
COUNTY OF Los Angeles)

On this 18th day of March, 2009, before me personally appeared John Struff, to me known to be the V.P. Finance & C.F.O. of **FRUIT GROWERS SUPPLY COMPANY**, the corporation that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that he was authorized to execute and deliver said instrument.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

Priscilla Brown
Notary Public in and for the State of California

My appointment expires: Dec. 3, 2011



EASEMENT EXCHANGE

JUN-8-78 100457 7806650760 9.00

This Agreement, made and entered into this 7th day of October, 1977, by and between WEYERHAEUSER COMPANY, a Washington corporation, herein called "Weyerhaeuser" and BOISE CASCADE CORPORATION, a Delaware corporation, herein called "Boise Cascade," Witnesseth:

I

A. Weyerhaeuser hereby grants to Boise Cascade, its successors and assigns, a perpetual, non-exclusive easement upon, over and along rights of way sixty (60) feet in width over and across the following described lands in King County, Washington:

Township 23 North, Range 7 East, W.M.

- $N\frac{1}{2}NE\frac{1}{4}; NE\frac{1}{4}NW\frac{1}{4}; N\frac{1}{2}SE\frac{1}{4}; SE\frac{1}{4}SE\frac{1}{4}$ Section 11
- $NW\frac{1}{4}NW\frac{1}{4}; S\frac{1}{2}NW\frac{1}{4}; S\frac{1}{2}$ Section 13
- $S\frac{1}{2}S\frac{1}{2}SE\frac{1}{4}$ Section 14
- $SE\frac{1}{4}NE\frac{1}{4}; NE\frac{1}{4}SE\frac{1}{4}$ Section 15
- $N\frac{1}{2}NE\frac{1}{4}; NE\frac{1}{4}NW\frac{1}{4}$ Section 23
- $N\frac{1}{2}NE\frac{1}{4}; SW\frac{1}{4}NE\frac{1}{4}; N\frac{1}{2}SW\frac{1}{4}; SE\frac{1}{4}SW\frac{1}{4}; W\frac{1}{2}SE\frac{1}{4}$ Section 25

being thirty (30) feet on each side of the centerline of roads located approximately as shown in red on the attached "Exhibit A."

Subject as to said lands to all matters of public record.

B. Boise Cascade hereby grants to Weyerhaeuser, its successors and assigns, a perpetual, non-exclusive easement upon, over and along rights of way sixty (60) feet in width over and across the following described lands in King County, Washington:

Township 23 North, Range 7 East, W.M.

- $N\frac{1}{2}NE\frac{1}{4}; SE\frac{1}{4}NE\frac{1}{4}; N\frac{1}{2}NW\frac{1}{4}; SW\frac{1}{4}NW\frac{1}{4}; NW\frac{1}{4}SW\frac{1}{4}; E\frac{1}{2}SE\frac{1}{4}$ Section 24

being thirty (30) feet on each side of the centerline of the roads located approximately as shown in green on the attached "Exhibit A."

KING COUNTY
EXCISE TAX PAID
JUN 6 1978
E47718

Jan 6

RECORDED

MW

Subject as to said lands to all matters of public record.

The parties hereto hereby agree that the rights hereinabove granted shall be subject to the following terms and conditions:

1. The easements are conveyed for the purpose of construction, reconstruction, use and maintenance of a road or roads for the purpose of providing access to and from lands and/or timber now owned or hereafter acquired by the parties hereto.

2. Each party reserves for itself, its successors and assigns, the right at all times and for any purpose, to cross and recross at any place on grade or otherwise, and to use said rights of way on lands owned by it in a manner that will not unreasonably interfere with the rights granted to the other party hereunder.

3. Each party may grant to third parties, upon such terms as it chooses, any or all of the rights reserved by it herein; provided, that use by such party shall be subject to the terms and conditions of this Agreement and shall not unreasonably interfere with the rights granted to the other party hereunder.

4. The cost of road maintenance and resurfacing shall be allocated on the basis of respective uses of said roads. When any party uses a road, that party shall perform or cause to be performed, or contribute or cause to be contributed, that share of maintenance and resurfacing occasioned by such use as hereinafter provided. During periods when a road is being used solely by one party, such party shall maintain that portion of said road so used to the standards existing at the time use is commenced. During periods when more than one party is using the same road, or any portion thereof, the parties hereto shall meet and establish necessary maintenance provisions. Such provisions shall include, but shall not be limited to:

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(a) the appointment of a maintainer, which may be one of the parties hereto or any third party, who will perform or cause to be performed at a reasonable and agreed upon rate the maintenance and resurfacing of the road or the portion thereof being used; and

(b) a method of payment by which each party using said road or a portion thereof, shall pay its pro rata share of the cost incurred by said maintainer in maintaining or resurfacing said road or portion thereof.

For purposes of this Agreement, maintenance is defined as the work normally necessary to preserve and keep the roadway, road structure, and road facilities as nearly as possible in their present condition or as hereafter improved.

5. Each party using any portion of a road shall repair, or cause to be repaired, at its sole cost and expense, that damage to said road occasioned by it which is in excess of that which it would cause through normal and prudent usage of said road. Should inordinate damage to a road occur which is not caused by an authorized user of said road, the parties hereto shall meet to agree upon the cost of replacement, the party to undertake the replacement, and the shares of replacement cost to be borne by each user of said road.

6. Unless the parties hereto agree to share the cost of improvements in advance of such improvements being made, such improvements shall be solely for the account of the improver.

7. Each party reserves to itself all timber now on or hereafter growing within the rights-of-way on its said lands.

8. Each party may permit its contractors, licensees, purchasers of timber or other valuable materials, and their agents, hereinafter individually referred to as "Permittee" and collectively referred to as "Permittees," to exercise the rights granted to it herein.

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9. Each party shall require that each of its Permittees, before using any of said roads on the lands of the other party hereto to:

(a) obtain and during the term of such use, maintain a policy of liability insurance in a form generally acceptable in the trade and customary in the area of said rights-of-way insuring Permittee against liability arising out of its operations, including use of vehicles. Minimum amounts of insurance shall be:

(1) For log haulers and other miscellaneous users operating heavy trucks (over one (1) ton), Two Hundred Fifty Thousand Dollars (\$250,000.00) for injury to one person, Five Hundred Thousand Dollars (\$500,000.00) for any one occurrence, and Two Hundred Fifty Thousand Dollars (\$250,000.00) property damage for any one occurrence;

(2) For fern cutters, bough cutters, shake cutters, or other miscellaneous users operating pickup trucks, light trucks (under one (1) ton) or passenger cars for the purpose of transporting miscellaneous forest products, Twenty-Five Thousand Dollars (\$25,000.00) for injury to one person, Fifty Thousand Dollars (\$50,000.00) for any one occurrence, and Five Thousand Dollars (\$5,000.00) property damage for any one occurrence; or

(3) Such other limits as the parties hereto may agree upon in writing from time to time.

10. If for a period of five (5) years either party shall cease to use, or preserve for prospective future use, any road or any segment thereof, described herein, the party owning the land crossed by such abandoned road, or road segment, shall, upon written request, be furnished a release, in recordable form, evidencing termination of the other party's right to utilize such abandoned road.

7806760960

IN WITNESS WHEREOF, the parties hereto have executed this instrument, in duplicate, as of the day and year first above written.

WEYERHAEUSER COMPANY

By *R. M. Wittel*
Land & Timber Resources Manager

Attest *Robert S. Hagen*
Assistant Secretary Title

7806060960

BOISE CASCADE CORPORATION

G. F. Kelly By *D. W. Deary*
Title Vice President

Attest *[Signature]*
Title Assistant Secretary

STATE OF IDAHO)
) ss.
COUNTY OF ADA)

On this 7th day of October, 1977, before me personally appeared E. W. Cleary and T. H. Gonser to me known to be the vice president and Assistant Secretary respectively, of BOISE CASCADE CORPORATION, the corporation that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that they were authorized to execute said instrument and that the seal affixed is the corporate seal of said corporation.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

Eliana M. Russell
Notary Public in and for the State of
Idaho, residing at Boise

7806060960

STATE OF WASHINGTON)
) ss.
COUNTY OF KING)

On this 24th day of May, 1977, before me personally appeared R. H. Witter, Jr. and Robert N. Mogensen, to me known to be the Land and Timber Resources Manager and Assistant Secretary, respectively, of Neyerhaeuser Company, the corporation that executed the within and foregoing instrument, and acknowledged said instrument to be the free and voluntary act and deed of said corporation, for the uses and purposes therein mentioned, and on oath stated that they were authorized to execute said instrument and that the seal affixed is the corporate seal of said corporation.

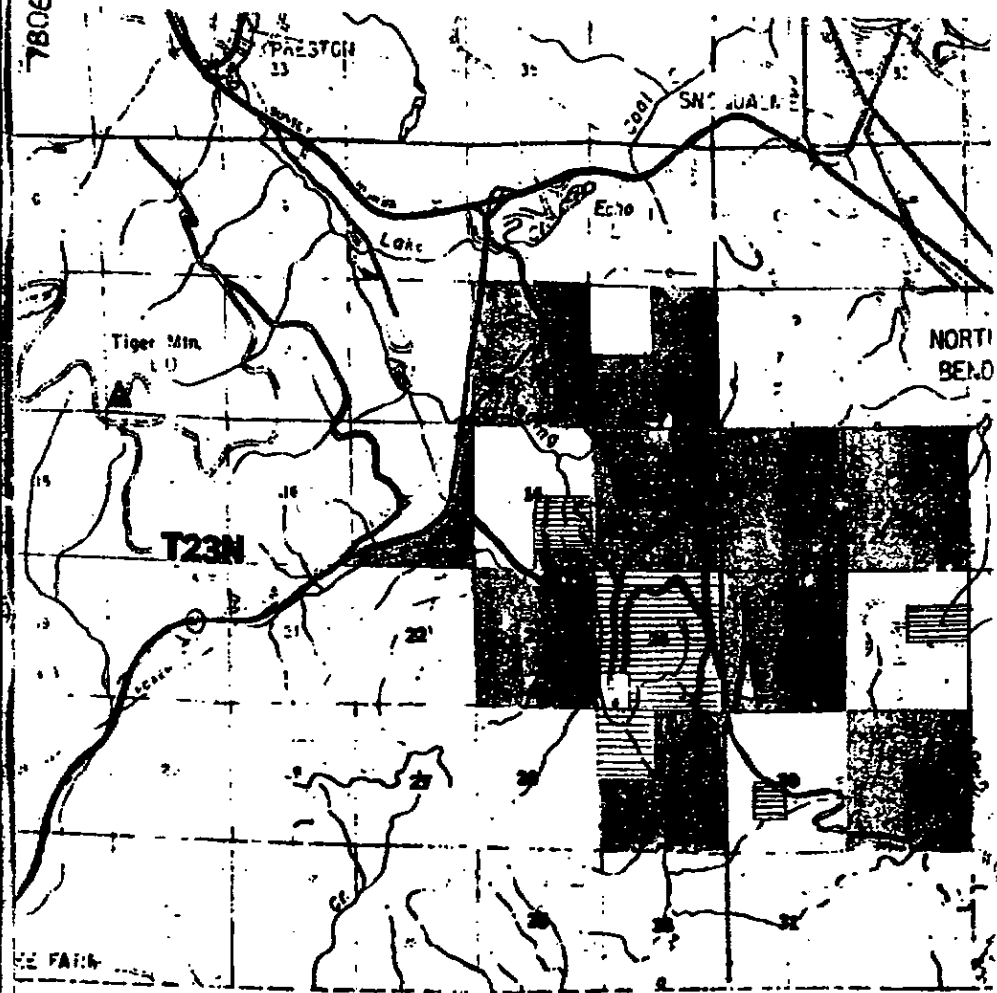
IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year first above written.

Roberta J. Morris
Notary Public in and for the State of
Washington, residing at Puyallup







780605096

EXHIBIT A



LEGEND

-  Boise Cascade
-  Meyerhaeuser Company
-  Boise to Meyerhaeuser
-  Meyerhaeuser to Boise



0960909082

FILED for Record at Request of:

Name Weyerhaeuser Co.

Address Box - C

Trask WA 98401

SCANNED
SEP 16 2009