



TIMBER NOTICE OF SALE

SALE NAME: FIR REALS SORTS

AGREEMENT NO: 30-103233 - 30-103234

AUCTION: March 30, 2023 starting at 10:00 a.m.

COUNTY: Wahkiakum

Pacific Cascade Region Office, Castle Rock, WA

SALE LOCATION: Sale located approximately 7 miles north of Skamokawa, WA

PRODUCTS SOLD

AND SALE AREA:

All delivered logs, except leave trees marked with blue paint, and all down timber existing 5 years prior to the day of sale and all downed timber greater than 30 inches diameter, bound by the following:

Unit 1: Bound by White "Timber Sale" tags, MV-1000 and MV-1700;

Unit 2, 3, 5 and 6: Bound by White "Timber Sale" tags;

Unit 4: Bound by White "Timber Sale" tags and MV-1700;

Unit 7 and 8: Bound by Orange "Right of Way" tags; meeting the specifications described below; on parts of Sections 16, and 17 all in Township 10 North, Range 6 West W.M., containing 94 acres, more or less.

MINIMUM BID AND ESTIMATED LOG VOLUMES:

Agreement #	Sort #	Species and Sort Specifications	Average Log Length	Estimated Volume		Tons Per MBF	Minimum Bid Delivered Prices		Total Appraised Value	Bid Deposit
				Mbf	Tons		\$/mbf	\$/Ton		
103233	11	Conifer Pulp 2"+	N/A	115	1495	13		\$29.00	\$43,355.00	\$4,335.50
103234	12	Hardwood Pulp 2"+	N/A	14	182	13		\$29.00	\$5,278.00	\$527.80
Totals:				129	1677				\$48,633.00	

CERTIFICATION: This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: PwC-SFIFM-513)

BID METHOD: Sealed Bids

UNIT OF MEASURE: MBF Scale/Tonnage Scale

EXPIRATION DATE: September 30, 2023

ALLOCATION: Export Restricted

PAYMENT

SECURITY: To be determined by the State as described in Clause P-045.2 of the Purchaser's Contract.

BIDDING

PROCEDURES:

A separate sealed bid and envelope must be submitted for each log sort. Prospective Purchasers may bid on any or all log sorts. On the day of sale the Purchaser must bring their bid deposit up to 10% of their total bid price. Complete bidding procedures and auction information may be obtained from the Pacific Cascade Region Office in Castle Rock WA. Phone number (360)577-2025.



TIMBER NOTICE OF SALE

TIMBER EXCISE

TAX:

Purchaser must pay the forest excise taxes associated with the log sorts delivered to them. The tax rate for this sale is 4.2 %. Taxable Stumpage = Total Delivered Value – (Harvest Cost + Estimated Haul Cost + ARRF). For more information contact the Department of Revenue, Forest Tax Section at 1-800-548-8829.

Use the following rates for estimating taxable stumpage:

Payment for Harvesting (OBT): The State's payment to the Contractor for harvesting (OBT Rate) adjusted each quarter using the following formula:

$$\text{Harvester's OBT Rate} = (Q(x) - Q(\text{base})) \times 100 \times \$0.04 + \text{Harvester's OBT Bid Rate}$$

Where;

$Q(\text{base})$ = Average fuel price for quarter preceding harvesting services contract bid opening.

$Q(x)$ = Average fuel price for quarter preceding log deliveries.

Harvester's OBT Rate shall not be less than their original bid rate.

Harvest Cost = \$113.17 per MBF for sorts 1, 2, 3, 4, 5, 6, 7, 9 and 10, \$14.00 per Ton for sorts 11 and 12 and \$16.00 per Ton for sort 8.

Hauling Services Payment Rate per Ton
= (Base Rate + Mileage Rate) x (Contractor's hauling bid factor)

Base Rate = \$2.35 per ton

Mileage Rate = $((\$0.16 \times C \text{ miles}) + (\$0.11 \times A \text{ miles})) \times \text{Fuel Index Factor}$

ARRF = \$0.00 per MBF for sorts 11 and 12.

Note: To calculate ARRF rates per ton use the tons\mbf conversion factor in the table above.

Long-haul surcharge: An additional haul payment of \$25/mbf net scale for mbf scale sorts or \$4.60/ton for tonnage sorts will be added for delivery destinations in excess of 250 total one-way miles (A miles plus C miles).

CONFIRMATION:

Each sort is subject to confirmation following auction. Sorts will not be confirmed until at least 10 days after auction. Final contract award is contingent upon the State's haul cost analysis. Actual haul route may vary and is subject to change at the State's discretion.

SPECIAL REMARKS:

The successful Purchaser(s) will be required to purchase logs from the sale area upon delivery to their location specified in the bid submitted. Logs will be delivered to the Purchaser's delivery location by the State's contract harvester. Purchaser is responsible for weighing and scaling costs. All tonnage loads will be weighed and all mbf loads will be scaled at State approved locations. The State reserves the right to determine where logs are authorized to be scaled and weighed.



TIMBER NOTICE OF SALE

Road work is in close proximity to a utility. Known utilities are listed, but it is the Contractor's responsibility to identify any utilities not listed. Contractor shall work in accordance with all applicable laws or rules concerning utilities. Contractor is responsible for all notification, including "call before you dig", and liabilities associated with the utilities and their rights-of-way.

MV-1000 from Station 0+00 to 3+00, Overhead and/or underground utilities, Call 811.

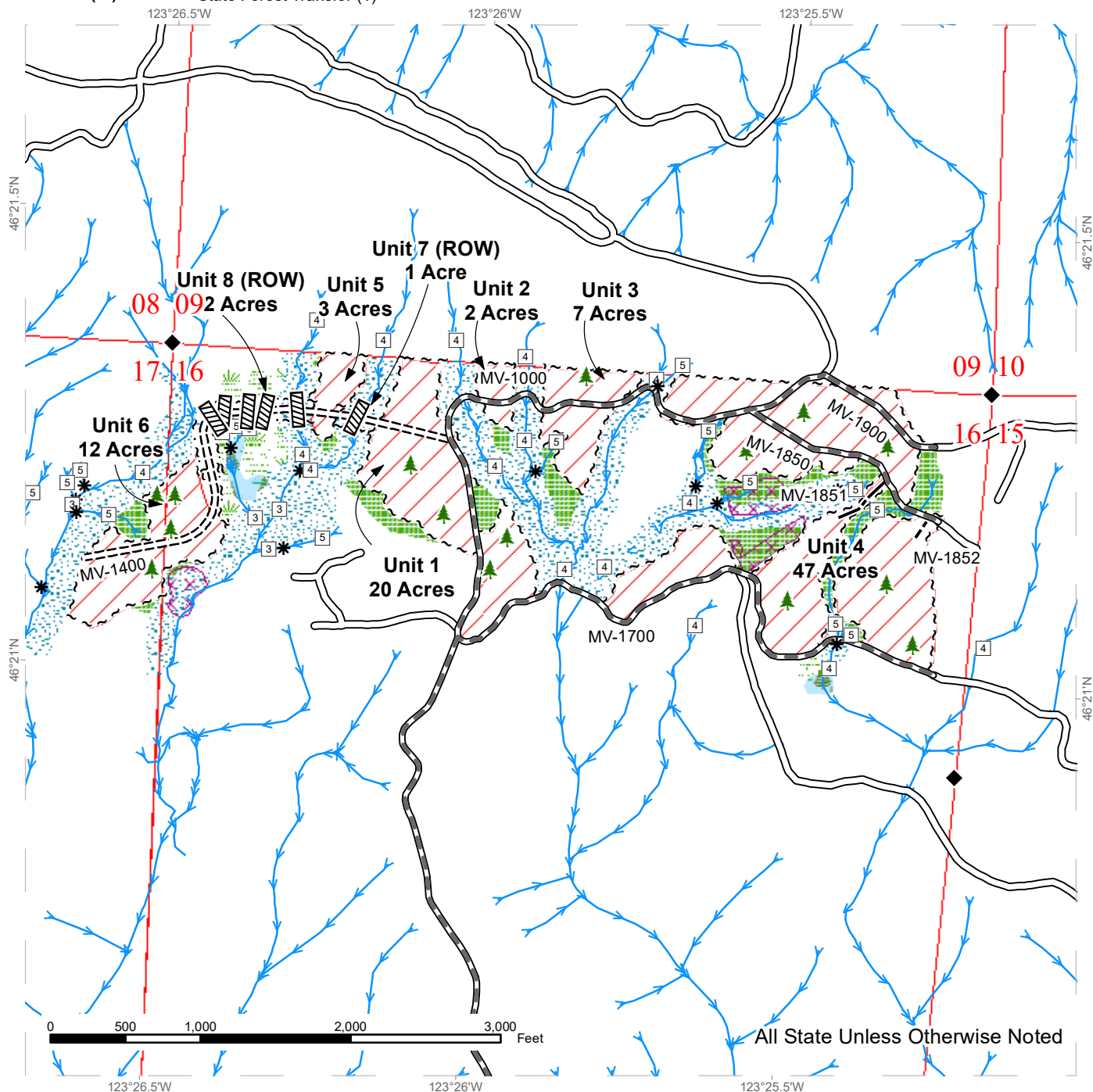
Wildlife Timing Restrictions apply. See contract clause H-142 for further details.

For more information regarding this log sort sale visit our web site:
<http://www.dnr.wa.gov/programs-and-services/product-sales-and-leasing/timber-sales/timber-auction-packets>. If you have questions call Jon Olson at the Pacific Cascade Region Office at (360)577-2025 or Steve Teitzel at the Product Sales and Leasing Division Office in Olympia at (360)902-1741.

TIMBER SALE MAP

SALE NAME: FIR REALS SORTS
AGREEMENT #: 30-103222
TOWNSHIP(S): T10R6W
TRUST(S): State Forest Transfer (1)

REGION: Pacific Cascade Region
COUNTY(S): Wahkiakum
ELEVATION RGE: 400-1080



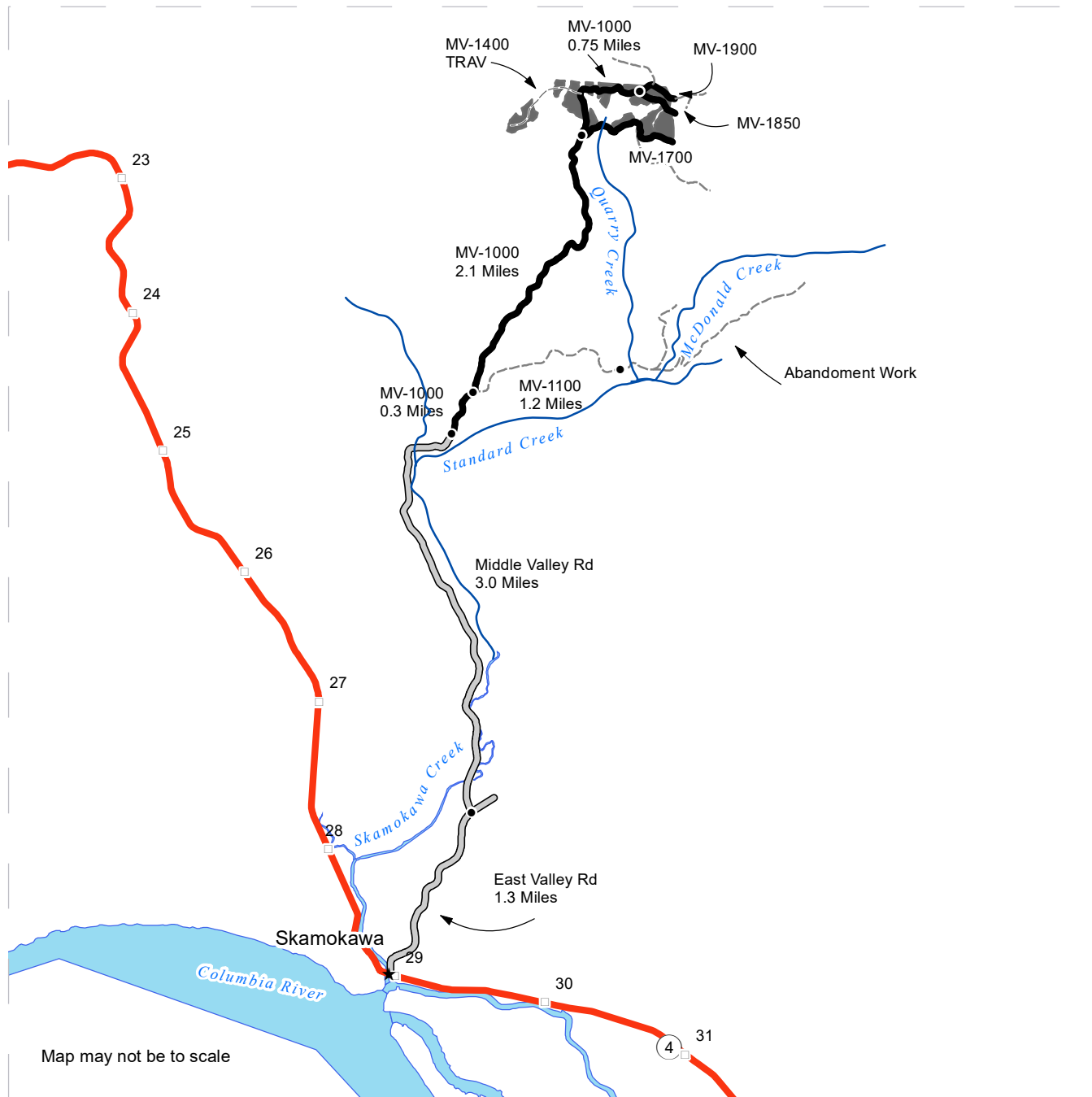
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|-----------------------------|-------------------------------|---------------------------|
| Harvest Units | Sale Boundary Tags | Streams |
| Leave Tree Area | Leave Tree Tags | Stream Type |
| Riparian Mgt Zone | Right of Way Tags | Stream Type Break |
| Forested Wetland | Existing Roads | Survey Monument |
| Wetland Mgt Zone | Required Pre-Haul Maintenance | Culvert |
| Potentially Unstable Slopes | Required Construction | Leave Tree Area <1/4-acre |
| | Optional Construction | |



DRIVING MAP

SALE NAME: FIR REALS SORTS
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TOWNSHIP(S): T10R6W
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<p> Timber Sale Unit</p> <p> Haul Route</p> <p> Other Route</p> <p> Distance Indicator</p> <p> Milepost Markers</p>	<p><u>DRIVING DIRECTIONS:</u></p> <p>Fir Reals Sorts Timber Sale: From Highway 4 at milepost 29 turn north onto East Valley Rd. Follow East Valley Rd. for 1.3 miles to junction of Middle Valley Rd. Turn left on Middle Valley Rd. follow for 3.0 miles. Middle Valley Rd. merges into the MV-1000 follow MV-1000 for 0.3 miles to junction of MV-1100. Continue on the MV-1000 for 2.1 Miles to the Junction of the MV-1700.</p> <p>Units 1, 2, 3 and 4: These units can be accessed via the MV-1000, MV-1700, MV-1850 and MV-1900. All units are located to the north of the MV-1700.</p> <p>Units 5,6,7, and 8: These units can be accessed via the MV-1400 Trav. located to the north of the junction of MV-1000 and MV-1700.</p> <p>MV-1100 Abandonment: Is located 1.2 miles from the junction of the MV-1000 and MV-1100.</p>
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**STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES**

LOG SALE AND PURCHASE CONTRACT

AGREEMENT NO. 30-0103233

SALE NAME: FIR REALS SORT 11

**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-001.2 Definitions

The following definitions apply throughout this contract;

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

Contractor: State-selected harvester responsible to perform all duties as required by the Harvesting Services Contract, including but not limited to timber harvesting, road construction, debris removal and piling, hauling and delivery of forest products for weighing and/or scaling, to the Purchasers of the timber sales Sorts.

Delivery: Occurs when logs or forest products meeting the sorting specifications arrive at the Purchasers destination, as described in the contract.

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

Harvesting: A general term, referring to the Contractor's various obligations under the Harvesting Services Contract.

Harvesting Services Contract: Contract between the Contractor and the State, which sets forth the procedures and obligations of the Contractor for completing the harvesting of timber, and the delivery of various log sorts to the State's purchasers, and the payment obligations of the State, The Harvesting Services Contract will include a Road Plan for any road construction or reconstruction, where applicable.

Log Sale and Purchase Contract: Purchase Agreement between the State and Purchaser(s) of particular log sorts from the timber sale.

Purchaser: The company or individual that has entered into a Log Sale Contract with the State for individual log sorts from the timber sale area. The Contractor must deliver the designated log sorts to this company or individual. Contractor will likely be delivering different log sorts to different purchasers under the Harvesting Services Contract.

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.

G-010.2 Products Sold and Sale Area

Purchaser was the successful bidder on March 30, 2023 and sale was confirmed on _____. The State, as owner, agrees to sell and deliver to the Purchaser logs meeting the log sort specifications as described in the G-022.2 clause. Logs will be delivered from the FIR REALS SORTS Timber Sale described as parts of Sections 16, and 17 all in Township 10 North, Range 6 West W.M., in Wahkiakum County.

G-022.2 Sorting Specifications

Purchaser shall accept and pay for delivery of log sorts by a state selected contractor to the designated Purchaser location that meets the following specifications:

Agreement No.	Sort #	Description	Destination
103233	11	Conifer Pulp 2"+	

G-024.2 Manufacturing Standards

All forest products except poles, produced and sold under this contract will be manufactured to maximize the amount of logs meeting preferred log lengths and to achieve the average log length listed.

Agreement No.	Sort #	Scaling Rule
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103233	11	WS
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Average Log Length	Preferred Log Lengths
N/A	

"WS" indicates that west side scaling rules apply. Minimum trim is 8 inches per scaling segment for west side scaling rules. "ES" indicates that east side scaling rules apply. Minimum trim is 4 inches per scaling segment for east side scaling rules.

Poles produced under this contract will be manufactured to ANSI specifications (American National Standard Specifications and Dimensions for Wood Poles), in force at the time of signing this contract.

- a. Sweep will be limited to within the bole of the log as measured using a tape stretched between the centers of each end of the log.
- b. Logs approved by the state for peelers shall be chuckable with no more than a 2 inch diameter area of rot within a 5 inch diameter circle located at the center of either end of the log.
- c. Limbs and knots shall be cut flush, with no more than 15 percent of a log having limbs or knots over 2 inches in diameter extending more than 2 inches above the surface of the log.

G-026.2 Log Delivery Destination

Purchaser shall accept logs delivered to the destination as described in the G-022.2 clause. Purchaser may make a written request to the State for a change in log delivery destination or scaling or weighing location. If agreeable and in the best interest of the State, the State may approve the Purchaser's request. Written approval must be granted by the State prior to log delivery to a new destination or use of a new scaling or weighing facility.

Increased haul distance shall result in an increase in the P-028.2 log delivery payment rate in an amount to be calculated by the State. In no circumstance shall the payment rate for delivered logs be reduced as a result of a state approved delivery destination or scaling or weighing facility change.

Purchaser may refuse loads delivered to the wrong destination.

G-027.2 Log Delivery Schedule and Conditions

- a. Delivery hours - Purchaser agrees to accept logs from the Contractor at the Purchaser's delivery location during Purchaser's working hours or at least between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday, except legal holidays unless otherwise agreed upon by the State.
- b. Improperly loaded trucks - It is understood and agreed that the Purchaser incurs no obligation to accept improperly or illegally loaded trucks in its

facility. Any truck so loaded may be directed to vacate the yard and shall remain the responsibility of the harvesting contractor. The Purchaser shall notify the State within 24 hours of any load (s) rejected and specify the reasons why.

- c. Log Delivery Interruptions - Purchaser may schedule times in which delivery of logs will not be accepted. The Purchaser shall notify the Contract Administrator at least five (5) working days before the scheduled interruption or closure occurs. The duration of the log delivery interruption shall not exceed seven (7) consecutive working days or a total of ten (10) working days over the duration of the contract term. If Purchaser's scheduled delivery interruption exceeds contract requirements and causes the State harm, Purchaser will be in breach of contract and subject to liquidated damages as per the D-026.2 and D-027.2 clauses, unless Purchaser and the State have made a prior agreement in writing to mitigate potential harm to the State.
- d. Required Acceptance of Daily Load Deliveries and Notification - If the State is harmed by purchaser's refusal to accept up to 12 truck deliveries of any one sort per day, Purchaser will be in breach of contract and subject to damages as per the D-026.2 and D-027.2 clauses. A truck delivery is all the wood delivered including sorts on super trucks, mule trains and pups brought to the delivery point by a single truck. The Purchaser shall notify the Contract Administrator at least 48 hours in advance if:
 - 1. Purchaser intends to limit the number of truck deliveries accepted on any day to less than that listed above, or
 - 2. Purchaser intends to limit the number of truck deliveries accepted on any day to the number listed above.
- e. State Notification to Purchaser - The State will notify the Purchaser when it anticipates or schedules an interruption of deliveries and when it anticipates the number of truck deliveries on any day will exceed the number listed above.
- f. If payments are not received or, the State determines that the payment security has become unsatisfactory or, a demand is made against the payment security under the P-045.2 clause the State shall suspend deliveries until such time as the violation has been remedied. Any suspension of deliveries due to late payment or inadequate payment security will be considered a Log Delivery Interruption under (c) of this clause.

G-030.2 Contract Term and Expiration Date

Purchaser agrees to accept and pay for forest products delivered through the period ending September 30, 2023.

G-050.2 Contract Term Extension

Contract extensions and any other conditions subject to the extension as agreed to by the Purchaser and State, must be formalized in writing, signed by Purchaser and State.

G-054.2 Early Contract Termination

The State may terminate this contract in whole or in part by giving fifteen (15) days written notice to the Purchaser when it is in the best interests of the State. If this contract is so terminated, the State shall be liable only for the return of that portion of the initial deposit that is not required for payment, and the return of unapplied payments. The State shall not be liable for damages, whether direct or consequential.

G-056.2 Force Majeure

No Party shall be liable for any failure to perform its obligations, other than payments due, where such failure is as a result of Acts of Nature (including fire, flood, earthquake, storm, or other natural disaster), war, act of foreign enemies, hostilities (whether war is declared or not), terrorist activities, government sanction, fire, labor dispute, strike or lockout.

Any Party asserting Force Majeure as an excuse shall have the burden of proving that reasonable steps were taken (under the circumstances) to minimize delay or damages caused by foreseeable events, that all non-excused obligations were substantially fulfilled, and that the other Party was timely notified of the likelihood or actual occurrence which would justify such an assertion, so that other prudent precautions could be contemplated.

In the event of Force Majeure, the State reserves the right to terminate this agreement in accordance with clause G-054.2 'Early Contract Termination'.

G-060.2 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 to be harvested or 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 VOLUME, WEIGHT, QUANTITY, OR QUALITY, of the forest products to be harvested. The descriptions of the forest products to be conveyed, are estimates only, made solely for administrative and identification purposes. The timing of forest product deliveries.

- d. Items contained in any other documents prepared for or by the State.

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-070.2 Limitation on Damage

In the event of a breach of any provision of this contract by the State, the liability of the State shall be limited to return of the unused initial deposit and unapplied payments to the Purchaser. The State shall not be liable for any damages, whether direct, incidental, or consequential.

G-112.2 Title

The State hereby warrants that State is the owner of said logs and has the right to sell same, free of liens, encumbrances, or claims, but subject to trade restrictions promulgated in WAC 240-15-015. Purchaser assumes title and all risk and responsibility for said logs upon delivery.

G-116.2 Sustainable Forestry Initiative® (SFI) Certification

Forest products purchased under this contract are certified as being in conformance with the Sustainable Forestry Initiative program Standard under certificate number: PwC-SFIFM-513.

G-160.2 Agents

The State's rights and duties will be exercised by the Region Manager at Castle Rock, 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 logs conveyed beyond the terms of this contract.

The Purchaser agrees to notify the State in writing of their authorized representative at the log delivery destination who will be readily available and who shall be authorized to receive, on behalf of the Purchaser any instructions or notices given by the State in regard to performance under this contract, and any limits to this person's authority.

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-200.2 Notice

Notices required to be given under the following clauses shall be in writing and shall be delivered to the State or Purchaser's authorized agent or sent by certified mail to the Purchaser's address of record, so that their receipt may be acknowledged.

G-026.2 Log Delivery Destination

G-027.2 Log Delivery and Schedule Conditions

G-210.2 Violation of Contract

All other notices required to be given under this contract shall be in writing and delivered to their respective authorized agent or mailed to the Party's post office address. Parties agree to notify the other of any change of mailing address.

G-210.2 Violation of Contract

- a. If Purchaser violates any provision of this contract, the Contract Administrator, by written notice, may suspend delivery of further loads of forest products. If the violation is capable of being remedied, the Purchaser has five (5) days after receipt of suspension notice to remedy the violation. If the violation cannot be remedied (such as violation of WAC 240-15-015) or Purchaser fails to remedy the violation within five (5) days after receipt of a suspension notice, the State may terminate the rights of the Purchaser under this contract and collect damages as described in the damages clause in this contract.
- b. The State has the right to remedy the breach in the absence of any indicated attempt by the 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 thirty (30) days of receipt of billing.
- c. If Purchaser's violation is a result of a failure to make payment to the State when due, in addition to (a.) above, interest shall accrue on the unpaid balance at 12 percent per annum, beginning the date payment was due. The State may secure payments from the security provided.

G-240.2 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 five business days.

- c. Within five business days of receipt of the Region Manager's decision, the Purchaser may make a written request for resolution to the Deputy Supervisor - Uplands of the Department of Natural Resources.
- d. Unless otherwise agreed, the Deputy Supervisor - Uplands will hold a conference within 15 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-252.2 Forest Excise Tax

Purchaser shall be responsible for payment of all forest excise taxes pursuant to chapter 84.33 RCW.

G-253.2 Harvesting Cost Information

The State agrees to supply all harvesting cost information to the Purchaser for their consideration in payment of forest excise taxes.

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-330.2 Contract Review

Purchaser may arrange with the Contract Administrator to review the provisions of this contract prior to the delivery of forest products.

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-028.2 Payment for Forest Products Delivered

Purchaser agrees to pay the State for delivered forest products at the following rate:

\$0.00/Ton

Purchaser agrees to increase the above delivered payment rate as approved by the State in the event the location of delivery is changed per the G-026.2 clause.

Purchaser will not be billed for any delivered logs that are scaled as containing metal.

P-036.2 Missorts and Payment Reduction for Delivered Forest Products

Forest Products delivered that do not meet the sorting specifications in G-022.2 are considered mis-sorts. Purchaser receiving mis-sort Forest Products is required to pay the State at the bid price under this contract.

However, when mis-sorted Forest Products amount to more than 8% of the total delivered sort volume, Purchaser may request approval for payment reduction for delivered volume exceeding the mis-sort threshold.

Requests for payment reduction must be submitted to the State in writing prior to contract expiration. Eligibility for mis-sort payment reduction is subject to State approval and shall be determined by the State's delivered product analysis. Forest Products determined by the State eligible for mis-sort price reduction are not eligible for any other price adjustments.

Payment reduction for Forest Products deemed mis-sorted will be calculated as follows:

$$\text{Payment Reduction} = (B \times M) \times R$$

Where:

B = Bid rate from P-028.2 clause

M = Mis-sorted volume exceeding threshold excluding utility

R = Reduction factor*

0.2 for diameter mis-sort

0.3 for high quality mis-sort

*Logs eligible for payment reduction based on multiple reduction factors will be calculated at the higher payment reduction factor.

Third-party scaling organization information is required to determine Scribner mbf for payment reduction purposes. Value will be derived from the applicable sort value as described in this contract.

Scale information for determining mis-sort payment reduction eligibility must be obtained from roll-out scale. Truck-ramp, sample scaling, and/or bundle scaling information is not acceptable for determining eligibility.

Purchaser's exclusive remedy for mis-sorts shall be the payment reduction described in this clause, notwithstanding other provisions in the Uniform Commercial Code

P-037.2 Mismanufacture and Payment Reduction for Delivered Forest Products

Forest Products delivered that do not meet preferred log length specifications or multiples or combinations of preferred lengths and Forest Products delivered not meeting manufacturing standards as described in clause G-024.2 are considered mis-manufactured. Purchaser receiving mis-manufactured Forest Products is required to pay the State at the bid price under this contract.

However, when mis-manufactured Forest Products amount to more than 8% of the total delivered sort volume, Purchaser may request approval for payment reduction for delivered volume exceeding the mis-manufacture threshold.

Requests for payment reduction must be submitted to the State in writing prior to contract expiration. Eligibility for mis-manufacture payment reduction is subject to State approval and shall be determined by the State's delivered product analysis. Forest Products determined by the State eligible for mis-manufacture price reductions are not eligible for any other price adjustments.

Payment reduction for Forest Products deemed mis-manufactured will be calculated as follows:

$$\text{Payment Reduction} = (B \times M) \times (0.2)$$

Where:

B = Bid rate from P-028.2 clause

M = Mis-manufactured volume exceeding threshold excluding utility

Third-party scaling organization information is required to determine Scribner mbf for payment reduction purposes. Value will be derived from the applicable sort value as described in this contract.

Scale information for determining mis-manufacture payment reduction eligibility must be obtained from roll-out scale. Truck-ramp, sample scaling, and/or bundle scaling information is not acceptable for determining eligibility.

Purchaser's exclusive remedy for mis-manufacture shall be the payment reduction described in this clause, notwithstanding other provisions in the Uniform Commercial Code.

P-039.2 Tonnage Sort Payment Reduction Requirements

Purchaser must provide a plan in writing, acceptable to the State, to acquire third party Scribner mbf scaling information in order to be eligible for a payment reduction for a tonnage sort according to clauses P-036.2 or P-037.2. Logs delivered and accepted by the Purchaser prior to the State's acceptance of Purchaser's written payment reduction plan are not eligible for payment reduction.

Failure of Purchaser to provide sample scale data in a timely, accurate and legible basis will void an approved sample scale plan.

An approved payment reduction plan can be voided at the sole discretion of the State.

For the purpose of tonnage sort payment reduction requests, preferred log lengths for tonnage sawlog sorts shall include the following plus any additional lengths identified in clause G-024.2:

Species Type	Preferred Lengths
Conifer Sorts	16', 20', 24', 26', 32', 40'
Hardwood Sorts	18', 20', 26', 28', 30', 36', 38', 40'

P-040.2 Weighing and Scaling Costs

Purchaser agrees to pay for all weighing costs for logs delivered regardless if logs are purchased on a weight or scale basis. In addition, Purchaser agrees to pay for all scaling costs for logs delivered on a scale basis. Purchaser also agrees to pay for all costs associated with the transmission and reporting of scale or weight data.

P-045.2 Guarantee of Payment

Prior to the delivery of forest products and at a date determined by the State, Purchaser shall guarantee payment to the State for products delivered by posting with the State an approved payment security. If the Purchaser has purchased more than one sort, the payment securities may be consolidated for all the sorts. Acceptable payment security includes cash, certificate of deposit assignment, payment bond, savings account assignment, or irrevocable bank letter of credit.

The amount of payment security shall be determined by the State. The amount of payment security shall represent at least 30 days value of forest product deliveries. Payment security for products delivered will be used to guarantee payment to the State for late or non-payments.

If at any time the State determines that the security has become unsatisfactory or a demand is made against the payment security, the Purchaser agrees to increase the amount or replace the security with one acceptable to the State within 5 business days. Failure to increase the amount or replace the security is considered a breach of contract.

P-050.2 Billing and Payment Procedure for Forest Products Delivered

The State will compute and forward to Purchaser a billing statement of charges for forest products delivered during the billing period at the delivered rate shown in P-028.2 clause. After receipt of the billing statement, Purchaser's payment must be received by the Department of Natural Resources on or before the due date shown on the billing statement. Purchaser agrees to make payment, payable to the Department of Natural Resources. Failure to pay on time for forest products delivered is considered a breach of contract.

Included with the billing statement will be a summary report for the billing period compiled by the State or their log and load reporting service.

The State will adjust final billings to account for any State approved payment reductions.

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.

Section L: Log Definitions and Accountability

L-010.2 Forest Products Conveyed

Forest products conveyed are logs or parts of logs delivered meeting the sorting criteria defined by clause G-022.2 and manufacturing standards defined by clause G-024.2 of this contract

L-014.2 Sorts Delivered to Incorrect Destination

Purchaser has agreed to purchase the sort as described in the G-022.2 clause. In the event a load from a different sort is delivered to Purchaser, Purchaser may reject the load. If Purchaser receives an incorrectly delivered load, they shall notify the State within 24 hours. If the Purchaser accepts the load, provisions in the P-035.2 or P-036.2 clause may apply.

L-071.2 Log and Load Reporting Service

This contract may at the States discretion, require the services of a State approved third party log and load reporting service. Purchaser shall ensure log volume measurement, weight, or scale and weight data for each load is received by the log and load reporting service within 1 business day of logs being measured or weighed.

If during the term of this contract, the State discontinues use of the Log and Load Reporting Service, the State will notify the Purchaser in writing, and will approve an alternative log and load reporting process.

L-080 Scaling Rules

Determination of volume and grade of any forest products shall be conducted by a state approved third party scaling organization and in accordance with the Westside log scaling and grading rules and Scribner Volume Table, revised July 1, 1972, contained in the Northwest Log Rules Eastside and Westside Log Scaling Handbook (developed and produced by the Northwest Log Rules Advisory Group) and in effect on the date of confirmation of this contract.

Special scaling specifications shall be noted on the State's Brand Designation form which is hereby incorporated to this contract by reference.

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 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-026.2 Damages for Delivery Interruptions and Load Non-Acceptance

- a. Purchaser's failure to accept delivery of forest products due to an extended delivery interruption exceeding the limits as described in the G-027.2 (c) clause, results in substantial injury to the State. The Purchaser shall pay the State liquidated damages at a rate of \$1,000.00 per each day of breach, until breach is remedied.
- b. Unless Purchaser and the State have made a prior agreement in writing, Purchaser's failure to accept at least the number of delivered loads as described in the G-027.2 (d) clause, results in substantial injury to the State. The Purchaser shall pay the State liquidated damages at a rate of \$200 per each truck delivery not accepted, until breach is remedied.

D-027.2 Failure to Accept Forest Products Sold

Purchaser's failure to accept all or part of the forest products sold in this agreement prior to expiration or completion of the contract results in substantial injury to the State. Except for reasons other than 'Force Majeure' (G-056.2), either section a. or b. below will apply as determined by the State.

- a. When Purchaser's refusal to accept forest products does not prevent further harvesting operations, or forest products can be re-sold to another buyer acceptable to the State, Purchaser shall be liable for and pay State for actual damages plus costs, as determined by the State associated with the administration and re-sale of forest products not accepted by Purchaser under the terms of this contract.
- b. When Purchaser's refusal to accept forest products causes a stoppage of the State's harvesting operations and prevents the State from further harvest of the sale area, the actual damage to the State and associated costs are difficult to assess. The remaining value of all the forest products left in the sale area once the stoppage occurs is not readily ascertainable. Purchaser's failure to perform disrupts the State's management plans. Therefore, Purchaser agrees to pay the State as liquidated damages, a sum calculated using the following formula:

$$LD = (.35V - I) + C + A - P$$

Where:

LD = Liquidated Damages

V = The stumpage value remaining in the sale area at the date of work stoppage. This will be determined by multiplying the contract bid rate contained in the P-028.2 clause for all sorts originating in the sale area, by the State's estimate of the remaining volume, less the cost of harvesting and delivery associated with each sort.

I = Initial Deposit

C = Costs associated with required harvesting services and road construction services prior to work stoppage but not amortized or paid.

A = Administrative fee = \$2,500.00

P = Advance payments received exceeding the value of logs delivered under this contract.

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 the work stoppage until final payment, calculated using the following formula:

$$\text{Interest} = r \times LD \times N$$

Where:

r = daily equivalent of an annual interest at current interest rate as established by WAC 332-100-030.

N = Number of days from work stoppage to time of payment

D-030.2 Inadequate Log Accountability

Failure to provide weighing and third party scaling information result in substantial injury to the State. The potential loss of accountability is not readily ascertainable. These contractual breaches result in an increase in the potential for the delivery of forest products for which the State receives inadequate payment and causes an increase in the State's administration costs associated with this contract. The actual costs of these breaches are difficult to assess.

For these reasons, Purchaser's payments for forest product delivery under this contract will be increased in the following amounts, as liquidated damages, to compensate the State for these breaches: \$250.00 each time a load weight is not provided as required by the contract, and \$250.00 each time load scale data is not determined and provided by a State approved third party scaling organization in accordance with this contract.

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

Date: _____

Address: _____

Eric Wisch

Pacific Cascade Region Manager

Date: _____

DRAFT

DRAFT

DRAFT

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 _____

**STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES**

LOG SALE AND PURCHASE CONTRACT

AGREEMENT NO. 30-0103234

SALE NAME: FIR REALS SORT 12

**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-001.2 Definitions

The following definitions apply throughout this contract;

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

Contractor: State-selected harvester responsible to perform all duties as required by the Harvesting Services Contract, including but not limited to timber harvesting, road construction, debris removal and piling, hauling and delivery of forest products for weighing and/or scaling, to the Purchasers of the timber sales Sorts.

Delivery: Occurs when logs or forest products meeting the sorting specifications arrive at the Purchasers destination, as described in the contract.

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

Harvesting: A general term, referring to the Contractor's various obligations under the Harvesting Services Contract.

Harvesting Services Contract: Contract between the Contractor and the State, which sets forth the procedures and obligations of the Contractor for completing the harvesting of timber, and the delivery of various log sorts to the State's purchasers, and the payment obligations of the State, The Harvesting Services Contract will include a Road Plan for any road construction or reconstruction, where applicable.

Log Sale and Purchase Contract: Purchase Agreement between the State and Purchaser(s) of particular log sorts from the timber sale.

Purchaser: The company or individual that has entered into a Log Sale Contract with the State for individual log sorts from the timber sale area. The Contractor must deliver the designated log sorts to this company or individual. Contractor will likely be delivering different log sorts to different purchasers under the Harvesting Services Contract.

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.

G-010.2 Products Sold and Sale Area

Purchaser was the successful bidder on March 30, 2023 and sale was confirmed on _____. The State, as owner, agrees to sell and deliver to the Purchaser logs meeting the log sort specifications as described in the G-022.2 clause. Logs will be delivered from the FIR REALS SORTS Timber Sale described as parts of Sections 16, and 17 all in Township 10 North, Range 6 West W.M., in Wahkiakum County.

G-022.2 Sorting Specifications

Purchaser shall accept and pay for delivery of log sorts by a state selected contractor to the designated Purchaser location that meets the following specifications:

Agreement No.	Sort #	Description	Destination
103234	12	Hardwood Pulp 2"+	

G-024.2 Manufacturing Standards

All forest products except poles, produced and sold under this contract will be manufactured to maximize the amount of logs meeting preferred log lengths and to achieve the average log length listed.

Agreement No.	Sort #	Scaling Rule
----------------------	---------------	---------------------

103234	12	WS
--------	----	----

Average Log Length	Preferred Log Lengths
N/A	

"WS" indicates that west side scaling rules apply. Minimum trim is 8 inches per scaling segment for west side scaling rules. "ES" indicates that east side scaling rules apply. Minimum trim is 4 inches per scaling segment for east side scaling rules.

Poles produced under this contract will be manufactured to ANSI specifications (American National Standard Specifications and Dimensions for Wood Poles), in force at the time of signing this contract.

- a. Sweep will be limited to within the bole of the log as measured using a tape stretched between the centers of each end of the log.
- b. Logs approved by the state for peelers shall be chuckable with no more than a 2 inch diameter area of rot within a 5 inch diameter circle located at the center of either end of the log.
- c. Limbs and knots shall be cut flush, with no more than 15 percent of a log having limbs or knots over 2 inches in diameter extending more than 2 inches above the surface of the log.

G-026.2 Log Delivery Destination

Purchaser shall accept logs delivered to the destination as described in the G-022.2 clause. Purchaser may make a written request to the State for a change in log delivery destination or scaling or weighing location. If agreeable and in the best interest of the State, the State may approve the Purchaser's request. Written approval must be granted by the State prior to log delivery to a new destination or use of a new scaling or weighing facility.

Increased haul distance shall result in an increase in the P-028.2 log delivery payment rate in an amount to be calculated by the State. In no circumstance shall the payment rate for delivered logs be reduced as a result of a state approved delivery destination or scaling or weighing facility change.

Purchaser may refuse loads delivered to the wrong destination.

G-027.2 Log Delivery Schedule and Conditions

- a. Delivery hours - Purchaser agrees to accept logs from the Contractor at the Purchaser's delivery location during Purchaser's working hours or at least between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday, except legal holidays unless otherwise agreed upon by the State.
- b. Improperly loaded trucks - It is understood and agreed that the Purchaser incurs no obligation to accept improperly or illegally loaded trucks in its

facility. Any truck so loaded may be directed to vacate the yard and shall remain the responsibility of the harvesting contractor. The Purchaser shall notify the State within 24 hours of any load (s) rejected and specify the reasons why.

- c. Log Delivery Interruptions - Purchaser may schedule times in which delivery of logs will not be accepted. The Purchaser shall notify the Contract Administrator at least five (5) working days before the scheduled interruption or closure occurs. The duration of the log delivery interruption shall not exceed seven (7) consecutive working days or a total of ten (10) working days over the duration of the contract term. If Purchaser's scheduled delivery interruption exceeds contract requirements and causes the State harm, Purchaser will be in breach of contract and subject to liquidated damages as per the D-026.2 and D-027.2 clauses, unless Purchaser and the State have made a prior agreement in writing to mitigate potential harm to the State.
- d. Required Acceptance of Daily Load Deliveries and Notification - If the State is harmed by purchaser's refusal to accept up to 12 truck deliveries of any one sort per day, Purchaser will be in breach of contract and subject to damages as per the D-026.2 and D-027.2 clauses. A truck delivery is all the wood delivered including sorts on super trucks, mule trains and pups brought to the delivery point by a single truck. The Purchaser shall notify the Contract Administrator at least 48 hours in advance if:
 - 1. Purchaser intends to limit the number of truck deliveries accepted on any day to less than that listed above, or
 - 2. Purchaser intends to limit the number of truck deliveries accepted on any day to the number listed above.
- e. State Notification to Purchaser - The State will notify the Purchaser when it anticipates or schedules an interruption of deliveries and when it anticipates the number of truck deliveries on any day will exceed the number listed above.
- f. If payments are not received or, the State determines that the payment security has become unsatisfactory or, a demand is made against the payment security under the P-045.2 clause the State shall suspend deliveries until such time as the violation has been remedied. Any suspension of deliveries due to late payment or inadequate payment security will be considered a Log Delivery Interruption under (c) of this clause.

G-030.2 Contract Term and Expiration Date

Purchaser agrees to accept and pay for forest products delivered through the period ending September 30, 2023.

G-050.2 Contract Term Extension

Contract extensions and any other conditions subject to the extension as agreed to by the Purchaser and State, must be formalized in writing, signed by Purchaser and State.

G-054.2 Early Contract Termination

The State may terminate this contract in whole or in part by giving fifteen (15) days written notice to the Purchaser when it is in the best interests of the State. If this contract is so terminated, the State shall be liable only for the return of that portion of the initial deposit that is not required for payment, and the return of unapplied payments. The State shall not be liable for damages, whether direct or consequential.

G-056.2 Force Majeure

No Party shall be liable for any failure to perform its obligations, other than payments due, where such failure is as a result of Acts of Nature (including fire, flood, earthquake, storm, or other natural disaster), war, act of foreign enemies, hostilities (whether war is declared or not), terrorist activities, government sanction, fire, labor dispute, strike or lockout.

Any Party asserting Force Majeure as an excuse shall have the burden of proving that reasonable steps were taken (under the circumstances) to minimize delay or damages caused by foreseeable events, that all non-excused obligations were substantially fulfilled, and that the other Party was timely notified of the likelihood or actual occurrence which would justify such an assertion, so that other prudent precautions could be contemplated.

In the event of Force Majeure, the State reserves the right to terminate this agreement in accordance with clause G-054.2 'Early Contract Termination'.

G-060.2 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 to be harvested or 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 VOLUME, WEIGHT, QUANTITY, OR QUALITY, of the forest products to be harvested. The descriptions of the forest products to be conveyed, are estimates only, made solely for administrative and identification purposes. The timing of forest product deliveries.

- d. Items contained in any other documents prepared for or by the State.

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-070.2 Limitation on Damage

In the event of a breach of any provision of this contract by the State, the liability of the State shall be limited to return of the unused initial deposit and unapplied payments to the Purchaser. The State shall not be liable for any damages, whether direct, incidental, or consequential.

G-112.2 Title

The State hereby warrants that State is the owner of said logs and has the right to sell same, free of liens, encumbrances, or claims, but subject to trade restrictions promulgated in WAC 240-15-015. Purchaser assumes title and all risk and responsibility for said logs upon delivery.

G-116.2 Sustainable Forestry Initiative® (SFI) Certification

Forest products purchased under this contract are certified as being in conformance with the Sustainable Forestry Initiative program Standard under certificate number: PwC-SFIFM-513.

G-160.2 Agents

The State's rights and duties will be exercised by the Region Manager at Castle Rock, 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 logs conveyed beyond the terms of this contract.

The Purchaser agrees to notify the State in writing of their authorized representative at the log delivery destination who will be readily available and who shall be authorized to receive, on behalf of the Purchaser any instructions or notices given by the State in regard to performance under this contract, and any limits to this person's authority.

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-200.2 Notice

Notices required to be given under the following clauses shall be in writing and shall be delivered to the State or Purchaser's authorized agent or sent by certified mail to the Purchaser's address of record, so that their receipt may be acknowledged.

G-026.2 Log Delivery Destination

G-027.2 Log Delivery and Schedule Conditions

G-210.2 Violation of Contract

All other notices required to be given under this contract shall be in writing and delivered to their respective authorized agent or mailed to the Party's post office address. Parties agree to notify the other of any change of mailing address.

G-210.2 Violation of Contract

- a. If Purchaser violates any provision of this contract, the Contract Administrator, by written notice, may suspend delivery of further loads of forest products. If the violation is capable of being remedied, the Purchaser has five (5) days after receipt of suspension notice to remedy the violation. If the violation cannot be remedied (such as violation of WAC 240-15-015) or Purchaser fails to remedy the violation within five (5) days after receipt of a suspension notice, the State may terminate the rights of the Purchaser under this contract and collect damages as described in the damages clause in this contract.
- b. The State has the right to remedy the breach in the absence of any indicated attempt by the 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 thirty (30) days of receipt of billing.
- c. If Purchaser's violation is a result of a failure to make payment to the State when due, in addition to (a.) above, interest shall accrue on the unpaid balance at 12 percent per annum, beginning the date payment was due. The State may secure payments from the security provided.

G-240.2 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 five business days.

- c. Within five business days of receipt of the Region Manager's decision, the Purchaser may make a written request for resolution to the Deputy Supervisor - Uplands of the Department of Natural Resources.
- d. Unless otherwise agreed, the Deputy Supervisor - Uplands will hold a conference within 15 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-252.2 Forest Excise Tax

Purchaser shall be responsible for payment of all forest excise taxes pursuant to chapter 84.33 RCW.

G-253.2 Harvesting Cost Information

The State agrees to supply all harvesting cost information to the Purchaser for their consideration in payment of forest excise taxes.

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-330.2 Contract Review

Purchaser may arrange with the Contract Administrator to review the provisions of this contract prior to the delivery of forest products.

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-028.2 Payment for Forest Products Delivered

Purchaser agrees to pay the State for delivered forest products at the following rate:

\$0.00/Ton

Purchaser agrees to increase the above delivered payment rate as approved by the State in the event the location of delivery is changed per the G-026.2 clause.

Purchaser will not be billed for any delivered logs that are scaled as containing metal.

P-036.2 Missorts and Payment Reduction for Delivered Forest Products

Forest Products delivered that do not meet the sorting specifications in G-022.2 are considered mis-sorts. Purchaser receiving mis-sort Forest Products is required to pay the State at the bid price under this contract.

However, when mis-sorted Forest Products amount to more than 8% of the total delivered sort volume, Purchaser may request approval for payment reduction for delivered volume exceeding the mis-sort threshold.

Requests for payment reduction must be submitted to the State in writing prior to contract expiration. Eligibility for mis-sort payment reduction is subject to State approval and shall be determined by the State's delivered product analysis. Forest Products determined by the State eligible for mis-sort price reduction are not eligible for any other price adjustments.

Payment reduction for Forest Products deemed mis-sorted will be calculated as follows:

$$\text{Payment Reduction} = (B \times M) \times R$$

Where:

B = Bid rate from P-028.2 clause

M = Mis-sorted volume exceeding threshold excluding utility

R = Reduction factor*

0.2 for diameter mis-sort

0.3 for high quality mis-sort

*Logs eligible for payment reduction based on multiple reduction factors will be calculated at the higher payment reduction factor.

Third-party scaling organization information is required to determine Scribner mbf for payment reduction purposes. Value will be derived from the applicable sort value as described in this contract.

Scale information for determining mis-sort payment reduction eligibility must be obtained from roll-out scale. Truck-ramp, sample scaling, and/or bundle scaling information is not acceptable for determining eligibility.

Purchaser's exclusive remedy for mis-sorts shall be the payment reduction described in this clause, notwithstanding other provisions in the Uniform Commercial Code

P-037.2 Mismanufacture and Payment Reduction for Delivered Forest Products

Forest Products delivered that do not meet preferred log length specifications or multiples or combinations of preferred lengths and Forest Products delivered not meeting manufacturing standards as described in clause G-024.2 are considered mis-manufactured. Purchaser receiving mis-manufactured Forest Products is required to pay the State at the bid price under this contract.

However, when mis-manufactured Forest Products amount to more than 8% of the total delivered sort volume, Purchaser may request approval for payment reduction for delivered volume exceeding the mis-manufacture threshold.

Requests for payment reduction must be submitted to the State in writing prior to contract expiration. Eligibility for mis-manufacture payment reduction is subject to State approval and shall be determined by the State's delivered product analysis. Forest Products determined by the State eligible for mis-manufacture price reductions are not eligible for any other price adjustments.

Payment reduction for Forest Products deemed mis-manufactured will be calculated as follows:

$$\text{Payment Reduction} = (B \times M) \times (0.2)$$

Where:

B = Bid rate from P-028.2 clause

M = Mis-manufactured volume exceeding threshold excluding utility

Third-party scaling organization information is required to determine Scribner mbf for payment reduction purposes. Value will be derived from the applicable sort value as described in this contract.

Scale information for determining mis-manufacture payment reduction eligibility must be obtained from roll-out scale. Truck-ramp, sample scaling, and/or bundle scaling information is not acceptable for determining eligibility.

Purchaser's exclusive remedy for mis-manufacture shall be the payment reduction described in this clause, notwithstanding other provisions in the Uniform Commercial Code.

P-039.2 Tonnage Sort Payment Reduction Requirements

Purchaser must provide a plan in writing, acceptable to the State, to acquire third party Scribner mbf scaling information in order to be eligible for a payment reduction for a tonnage sort according to clauses P-036.2 or P-037.2. Logs delivered and accepted by the Purchaser prior to the State's acceptance of Purchaser's written payment reduction plan are not eligible for payment reduction.

Failure of Purchaser to provide sample scale data in a timely, accurate and legible basis will void an approved sample scale plan.

An approved payment reduction plan can be voided at the sole discretion of the State.

For the purpose of tonnage sort payment reduction requests, preferred log lengths for tonnage sawlog sorts shall include the following plus any additional lengths identified in clause G-024.2:

Species Type	Preferred Lengths
Conifer Sorts	16', 20', 24', 26', 32', 40'
Hardwood Sorts	18', 20', 26', 28', 30', 36', 38', 40'

P-040.2 Weighing and Scaling Costs

Purchaser agrees to pay for all weighing costs for logs delivered regardless if logs are purchased on a weight or scale basis. In addition, Purchaser agrees to pay for all scaling costs for logs delivered on a scale basis. Purchaser also agrees to pay for all costs associated with the transmission and reporting of scale or weight data.

P-045.2 Guarantee of Payment

Prior to the delivery of forest products and at a date determined by the State, Purchaser shall guarantee payment to the State for products delivered by posting with the State an approved payment security. If the Purchaser has purchased more than one sort, the payment securities may be consolidated for all the sorts. Acceptable payment security includes cash, certificate of deposit assignment, payment bond, savings account assignment, or irrevocable bank letter of credit.

The amount of payment security shall be determined by the State. The amount of payment security shall represent at least 30 days value of forest product deliveries. Payment security for products delivered will be used to guarantee payment to the State for late or non-payments.

If at any time the State determines that the security has become unsatisfactory or a demand is made against the payment security, the Purchaser agrees to increase the amount or replace the security with one acceptable to the State within 5 business days. Failure to increase the amount or replace the security is considered a breach of contract.

P-050.2 Billing and Payment Procedure for Forest Products Delivered

The State will compute and forward to Purchaser a billing statement of charges for forest products delivered during the billing period at the delivered rate shown in P-028.2 clause. After receipt of the billing statement, Purchaser's payment must be received by the Department of Natural Resources on or before the due date shown on the billing statement. Purchaser agrees to make payment, payable to the Department of Natural Resources. Failure to pay on time for forest products delivered is considered a breach of contract.

Included with the billing statement will be a summary report for the billing period compiled by the State or their log and load reporting service.

The State will adjust final billings to account for any State approved payment reductions.

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.

Section L: Log Definitions and Accountability

L-010.2 Forest Products Conveyed

Forest products conveyed are logs or parts of logs delivered meeting the sorting criteria defined by clause G-022.2 and manufacturing standards defined by clause G-024.2 of this contract

L-014.2 Sorts Delivered to Incorrect Destination

Purchaser has agreed to purchase the sort as described in the G-022.2 clause. In the event a load from a different sort is delivered to Purchaser, Purchaser may reject the load. If Purchaser receives an incorrectly delivered load, they shall notify the State within 24 hours. If the Purchaser accepts the load, provisions in the P-035.2 or P-036.2 clause may apply.

L-071.2 Log and Load Reporting Service

This contract may at the States discretion, require the services of a State approved third party log and load reporting service. Purchaser shall ensure log volume measurement, weight, or scale and weight data for each load is received by the log and load reporting service within 1 business day of logs being measured or weighed.

If during the term of this contract, the State discontinues use of the Log and Load Reporting Service, the State will notify the Purchaser in writing, and will approve an alternative log and load reporting process.

L-080 Scaling Rules

Determination of volume and grade of any forest products shall be conducted by a state approved third party scaling organization and in accordance with the Westside log scaling and grading rules and Scribner Volume Table, revised July 1, 1972, contained in the Northwest Log Rules Eastside and Westside Log Scaling Handbook (developed and produced by the Northwest Log Rules Advisory Group) and in effect on the date of confirmation of this contract.

Special scaling specifications shall be noted on the State's Brand Designation form which is hereby incorporated to this contract by reference.

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 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-026.2 Damages for Delivery Interruptions and Load Non-Acceptance

- a. Purchaser's failure to accept delivery of forest products due to an extended delivery interruption exceeding the limits as described in the G-027.2 (c) clause, results in substantial injury to the State. The Purchaser shall pay the State liquidated damages at a rate of \$1,000.00 per each day of breach, until breach is remedied.
- b. Unless Purchaser and the State have made a prior agreement in writing, Purchaser's failure to accept at least the number of delivered loads as described in the G-027.2 (d) clause, results in substantial injury to the State. The Purchaser shall pay the State liquidated damages at a rate of \$200 per each truck delivery not accepted, until breach is remedied.

D-027.2 Failure to Accept Forest Products Sold

Purchaser's failure to accept all or part of the forest products sold in this agreement prior to expiration or completion of the contract results in substantial injury to the State. Except for reasons other than 'Force Majeure' (G-056.2), either section a. or b. below will apply as determined by the State.

- a. When Purchaser's refusal to accept forest products does not prevent further harvesting operations, or forest products can be re-sold to another buyer acceptable to the State, Purchaser shall be liable for and pay State for actual damages plus costs, as determined by the State associated with the administration and re-sale of forest products not accepted by Purchaser under the terms of this contract.
- b. When Purchaser's refusal to accept forest products causes a stoppage of the State's harvesting operations and prevents the State from further harvest of the sale area, the actual damage to the State and associated costs are difficult to assess. The remaining value of all the forest products left in the sale area once the stoppage occurs is not readily ascertainable. Purchaser's failure to perform disrupts the State's management plans. Therefore, Purchaser agrees to pay the State as liquidated damages, a sum calculated using the following formula:

$$LD = (.35V - I) + C + A - P$$

Where:

LD = Liquidated Damages

V = The stumpage value remaining in the sale area at the date of work stoppage. This will be determined by multiplying the contract bid rate contained in the P-028.2 clause for all sorts originating in the sale area, by the State's estimate of the remaining volume, less the cost of harvesting and delivery associated with each sort.

I = Initial Deposit

C = Costs associated with required harvesting services and road construction services prior to work stoppage but not amortized or paid.

A = Administrative fee = \$2,500.00

P = Advance payments received exceeding the value of logs delivered under this contract.

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 the work stoppage until final payment, calculated using the following formula:

$$\text{Interest} = r \times LD \times N$$

Where:

r = daily equivalent of an annual interest at current interest rate as established by WAC 332-100-030.

N = Number of days from work stoppage to time of payment

D-030.2 Inadequate Log Accountability

Failure to provide weighing and third party scaling information result in substantial injury to the State. The potential loss of accountability is not readily ascertainable. These contractual breaches result in an increase in the potential for the delivery of forest products for which the State receives inadequate payment and causes an increase in the State's administration costs associated with this contract. The actual costs of these breaches are difficult to assess.

For these reasons, Purchaser's payments for forest product delivery under this contract will be increased in the following amounts, as liquidated damages, to compensate the State for these breaches: \$250.00 each time a load weight is not provided as required by the contract, and \$250.00 each time load scale data is not determined and provided by a State approved third party scaling organization in accordance with this contract.

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

Date: _____

Address: _____

Eric Wisch

Pacific Cascade Region Manager

Date: _____

DRAFT

DRAFT

DRAFT

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 _____



WASHINGTON STATE DEPARTMENT OF
NATURAL RESOURCES

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

linear feet

Temporary Reconstruction:

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: FIR REALS SORTS	Region: Pacific Cascade
Agreement #: 30-0103222	District: St. Helens
Contact Forester: Becky VonDrack Phone / Location: (360) 749-6825	County(s): Wahkiakum
Alternate Contact: Click here to enter text. Phone / Location: Click here to enter text.	Other information: Click here to enter text.

Type of Sale: Log Sort (Contract harvest)	
Harvest System: Ground based Click here to enter text.	75
Harvest System: Uphill Cable Click here to enter text.	25
Enter % of sale acres	
Harvest System: Select harvest system Click here to enter text.	Click here to enter percent sale acres.

UNIT ACREAGES AND METHOD OF DETERMINATION:

Unit # Harvest R/W or RMZ WMZ	Legal Description (Enter only one legal for each unit) Sec/Twp/Rng	Grant or Trust	Gross Proposal Acres	Deductions from Gross Acres (No harvest acres)				Net Harvest Acres	Acreage Determinatio n (List method and error of closure if applicable)
				RMZ/ WMZ Acres	Leave Tree Acres	Existing Road Acres	Other Acres (describe)		
1	SEC16T10NRO6W	01	33	9	3	1		20	Combination
2	SEC16T10NRO6W	01	7	4	1	0		2	Combination
3	SEC16T10NRO6W	01	16	6	2	1		7	Combination
4	SEC16T10NRO6W	01	71	12	10	2		47	Combination
5	SEC16T10NRO6W	01	9	5	1	0		3	Combination
6	SEC16,17T10NRO6W	01	40	26	2	0		12	Combination
7(ROW)	SEC16T10NRO6W	01	1	0	0	0		1	Combination
8(ROW)	SEC16T10NRO6W	01	2	0	0	0		2	Combination
TOTAL ACRES			179	62	19	4		94	

HARVEST PLAN AND SPECIAL CONDITIONS:

Unit#	Harvest Prescription: (Leave, take, paint color, tags, flagging etc.)	Special Management areas:	Other conditions (# leave trees, etc.)
1	Variable retention harvest bound by white "Timber Sale Boundary" tags and pink flagging. MV-1000 Road.	N/A	202 leave trees (9 trees marked with blue paint)
2	Variable retention harvest bound by white "Timber Sale Boundary" tags and pink flagging.	N/A	36 leave trees
3	Variable retention harvest bound by white "Timber Sale Boundary" tags and pink flagging.	N/A	115 leave trees (3 trees marked with blue paint)
4	Variable retention harvest bound by white "Timber Sale Boundary" tags and pink flagging. MV-1000 and MV-1700 Road	N/A	1,154 leave trees (19 trees marked with blue paint)
5	Variable retention harvest bound by white "Timber Sale Boundary" tags and pink flagging.	N/A	39 leave trees
6	Variable retention harvest bound by white "Timber Sale Boundary" tags and pink flagging.	N/A	222 leave trees (21 trees marked with blue paint)
7ROW	Right of Way Unit bound by orange "Right of Way Boundary" tags and pink flagging	ROW	N/A
8ROW	Right of Way Unit bound by orange "Right of Way Boundary" tags and pink flagging	ROW	N/A

OTHER PRE-CRUISE INFORMATION:

Unit#	Primary,secondary Species /	Access information (Gates, locks, etc.)	Photos, traverse maps required
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	Estimated Volume (MBF)		
1	WH, DF (900)	Access via MV-1000 from Middle Valley Rd, and East Valley Rd. (MP 29 on SR4 in Skakokawa) Follow East Valley Rd apx. 1.2 Miles turn left on Middle Valley Rd follow apx 3.0 Miles merge onto MV-1000 follow for 2.5 miles. Unit on both sides of road.	See Logging Plan Map
2	WH, DF (15)	From: Unit 1 access Unit 2 by following MV-1000 apx. 1000 feet to the north. Unit on both sides of road.	See Logging Plan Map
3	WH, DF (350)	From: Unit 2 access Unit 3 by following MV-1000 apx. 1000 feet to the north. Unit on both sides of road.	See Logging Plan Map
4	WH, DF (2,115)	From: Unit 1 access Unit 4 by turning right on MV-1700 and following for apx 0.25 Miles. Unit on uphill side of road.	See Logging Plan Map
5	WH, DF (225)	From: Unit 1 access Unit 5 by following MV-1400 Trav to the west apx 0.25 Miles. Unit on both sides of trav line.	See Logging Plan Map
6	WH, DF (600)	From: Unit 1 access Unit 6 by following MV-1400 Trav to the west apx 0.75 Miles. Unit on both sides of trav line.	See Logging Plan Map
7(ROW)	WH, DF (4)	From: Unit 1 access Unit 7(ROW) by following MV-1400 Trav to the west apx 0.25 Miles. Unit on both sides of trav line.	See Logging Plan Map
8(ROW)	WH, RA (2)	From: Unit 1 access Unit 8 (ROW) by following MV-1400 Trav to the west apx 0.5 Miles. Unit on both sides of trav line.	See Logging Plan Map
TOTAL MBF	4,211		

REMARKS:

Fir Reals Sorts is a mix of 65-80 year-old conifer stand and 35 year-old DF stand

Prepared By: Tom Chandler Date: 12/2/2021	Title: Forester	CC: Becky VonDracek
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Timber Sale Cruise Report FIR REALS SORTS

Sale Name: FIR REALS SORTS

Sale Type: SORT

Region: PACIFIC CASC

District: ST.HELENS

Lead Cruiser: DPClark

Other Cruisers: KJBailey, BEWarnstasdt

Cruise Narrative:

Location: This sale is located on a gentle southern slope 2.5 gravel miles and 4.5 county road miles north of Skamokawa.

Cruise Design: Most units were cruised using variable radius plots with a cruise count frequency of 1:1. ROW 7 was cruised ITS. Conifer logs are scaled preferring 40' lengths. Hardwood logs are scaled preferring 30' lengths. Software used is TRISS.

Stand Conditions: Most of the sale is in 80 year old mixed conifer. There are a few areas of 40 year old managed DF. The major timber type is dominated by WH with a strong secondary component of DF. RA is present mostly in the draws. There are trace amounts of SF, RC, and SS. Most of sale is unmanaged, but there are a few areas that were commercially thinned some years ago. Defect levels are moderate, most a result of the Columbus Day Storm. More recent storm damage is light. Mortality and blowdown is modest. Downed fuels are light. Very little stem decay or root rot observed. Brush cover is light.

Log Quality: There is a range of DF and WH grades from SM to Utility. Many logs are straight and clean, some are limby and graded as oversized #3 saw. RA logs are mostly straight and clean.

Logging: approximately 75% of sale can be had with a shovel, the rest with a swing yarder.

Timber Sale Notice Volume (MBF)

Sp	DBH	Rings/In	Age	MBF Volume by Grade					
				All	Spec Mill	2 Saw	3 Saw	4 Saw	Utility
WH	23.5	6.0	80	3,514	129	2,602	597	96	90
DF	25.6	6.0	71	2,200	211	1,581	359	36	13
SF	34.5			193	5	181	7		
SS	29.4			147		116	31		
RA	16.9			143		57	35	37	14
RC	18.8			35			30	5	
ALL	23.1	6.0	74	6,232	345	4,537	1,059	174	118

Timber Sale Notice Weight (tons)

Sp	Tons by Grade					
	All	Spec Mill	2 Saw	3 Saw	4 Saw	Utility
WH	25,897	813	18,143	5,377	1,007	558
DF	13,686	1,099	9,312	2,858	337	81

Sp	Tons by Grade					
	All	Spec Mill	2 Saw	3 Saw	4 Saw	Utility
RA	1,132		363	255	354	160
SF	1,097	31	996	71		
SS	870		653	218		
RC	285			245	41	
ALL	42,968	1,942	29,466	9,023	1,738	799

Timber Sale Overall Cruise Statistics (Cut + Leave Trees)

BA (sq ft/acre)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR SE (%)	Net Vol (bf/acre)	Vol SE (%)
319.7	4.0	207.2	1.7	66,299	4.3

Timber Sale Unit Cruise Design

Unit	Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
FIR REALS SORTS U1	B1C: VR, 1 BAF (46.94) Measure/ Count Plots, Sighting Ht = 16 ft	20.0	21.9	20	11	0
FIR REALS SORTS U2	B1: VR, 1 BAF (46.94) Measure All, Sighting Ht = 16 ft	2.0	2.5	3	3	0
FIR REALS SORTS U3	B1C: VR, 1 BAF (54.44) Measure/ Count Plots, Sighting Ht = 4.5 ft	7.0	8.9	7	3	0
FIR REALS SORTS U4	B1C: VR, 1 BAF (46.94) Measure/ Count Plots, Sighting Ht = 16 ft	47.0	57.5	48	25	0
FIR REALS SORTS U5	B1C: VR, 1 BAF (46.94) Measure/ Count Plots, Sighting Ht = 16 ft	3.0	3.3	5	4	0
FIR REALS SORTS U6	B1C: VR, 1 BAF (46.94) Measure/ Count Plots, Sighting Ht = 16 ft	12.0	13.4	15	8	0
FIR REALS SORTS U7 ROW	ST: Strip/Percent Sample (1 tree expansion)	1.0	0.6	1	1	0
FIR REALS SORTS U8 ROW	B1: VR, 1 BAF (40) Measure All, Sighting Ht = 16 ft	2.0	2.5	4	4	0
All		94.0	110.6	103	59	0

Timber Sale Log Grade x Sort Summary

Sp	Status	Grade	Sort	Dia	Len	BF Gross	BF Net	Defect %	Tons	MBF Net
DF	LIVE	2 SAW	Domestic	18.1	37	10,543	10,209	3.2	5,852.8	959.7
DF	LIVE	2 SAW	HQ-A	29.3	40	230	230	0.0	107.4	21.6
DF	LIVE	2 SAW	HQ-B	19.1	39	6,548	6,377	2.6	3,351.5	599.5
DF	LIVE	3 SAW	Domestic	9.9	36	3,654	3,528	3.5	2,667.4	331.6

Sp	Status	Grade	Sort	Dia	Len	BF Gross	BF Net	Defect %	Tons	MBF Net
DF	LIVE	3 SAW	HQ-B	11.4	40	294	294	0.0	190.6	27.7
DF	LIVE	4 SAW	Domestic	5.8	27	389	383	1.4	336.9	36.0
DF	LIVE	CULL	Cull	18.2	4	256	0	100.0	0.0	0.0
DF	LIVE	SPECIAL MILL	HQ-A	24.0	39	2,252	2,241	0.5	1,098.5	210.7
DF	LIVE	UTILITY	Pulp	13.6	17	139	139	0.0	81.4	13.1
RA	LIVE	2 SAW	Domestic	15.0	28	642	605	5.7	363.0	56.9
RA	LIVE	3 SAW	Domestic	11.3	30	378	368	2.5	254.9	34.6
RA	LIVE	4 SAW	Domestic	7.8	27	405	394	2.8	354.0	37.0
RA	LIVE	CULL	Cull	5.8	6	17	0	100.0	0.0	0.0
RA	LIVE	UTILITY	Pulp	6.0	24	170	152	10.4	159.8	14.3
RC	LIVE	3 SAW	Domestic	10.2	37	348	318	8.8	244.5	29.9
RC	LIVE	4 SAW	Domestic	5.1	22	54	51	5.3	40.6	4.8
RC	LIVE	CULL	Cull	32.3	2	12	0	100.0	0.0	0.0
SF	LIVE	2 SAW	Domestic	20.2	39	1,942	1,921	1.1	995.9	180.5
SF	LIVE	3 SAW	Domestic	10.1	25	84	78	6.9	70.5	7.4
SF	LIVE	CULL	Cull	14.9	5	25	0	100.0	0.0	0.0
SF	LIVE	SPECIAL MILL	Domestic	18.8	40	58	58	0.0	31.0	5.4
SS	LIVE	2 SAW	Domestic	19.2	37	1,307	1,239	5.2	652.4	116.4
SS	LIVE	3 SAW	Domestic	11.5	32	341	328	4.0	217.7	30.8
SS	LIVE	CULL	Cull	19.3	5	29	0	100.0	0.0	0.0
WH	LIVE	2 SAW	Domestic	16.4	38	29,030	27,680	4.6	18,142.9	2,602.0
WH	LIVE	3 SAW	Domestic	9.5	35	6,544	6,353	2.9	5,377.4	597.2
WH	LIVE	4 SAW	Domestic	6.4	26	1,030	1,022	0.8	1,006.8	96.1
WH	LIVE	CULL	Cull	12.1	6	828	0	100.0	0.0	0.0
WH	LIVE	SPECIAL MILL	Domestic	17.8	40	1,407	1,367	2.8	812.6	128.5
WH	LIVE	UTILITY	Pulp	9.9	14	961	961	0.0	557.6	90.3

Timber Sale Log Sort x Diameter Bin Summary

Sp	Bin	Status	Sort	Dia	Len	BF Net	Defect %	Tons	MBF Net
DF	5 - 7	LIVE	Domestic	6.1	30	644	4.4	581.9	60.6
DF	5 - 7	LIVE	Pulp	7.0	34	31	0.0	31.9	2.9
DF	5 - 7	LIVE	Cull	7.5	1	0	100.0	0.0	0.0
DF	8 - 11	LIVE	Domestic	9.7	36	2,297	2.5	1,866.0	215.9
DF	8 - 11	LIVE	Cull	9.9	4	0	100.0	0.0	0.0
DF	8 - 11	LIVE	HQ-B	11.5	40	294	0.0	190.6	27.7
DF	12 - 15	LIVE	Cull	12.4	6	0	100.0	0.0	0.0
DF	12 - 15	LIVE	Domestic	13.6	37	2,817	1.4	1,899.2	264.8

Sp	Bin	Status	Sort	Dia	Len	BF Net	Defect %	Tons	MBF Net
DF	12 - 15	LIVE	HQ-B	14.8	40	1,032	3.0	608.3	97.0
DF	16 - 19	LIVE	HQ-A	17.1	40	322	0.0	164.7	30.3
DF	16 - 19	LIVE	HQ-B	17.6	40	1,397	1.9	795.4	131.3
DF	16 - 19	LIVE	Domestic	18.1	36	3,544	5.2	2,015.8	333.2
DF	16 - 19	LIVE	Cull	18.5	4	0	100.0	0.0	0.0
DF	20+	LIVE	Domestic	23.4	37	4,817	2.9	2,494.1	452.8
DF	20+	LIVE	Pulp	23.4	16	108	0.0	49.4	10.2
DF	20+	LIVE	HQ-B	23.5	40	3,948	2.7	1,947.8	371.1
DF	20+	LIVE	HQ-A	24.3	40	2,150	0.5	1,041.3	202.1
DF	20+	LIVE	Cull	24.7	4	0	100.0	0.0	0.0
RA	5 - 7	LIVE	Domestic	5.4	23	78	3.0	75.0	7.3
RA	5 - 7	LIVE	Cull	5.5	6	0	100.0	0.0	0.0
RA	5 - 7	LIVE	Pulp	5.6	27	132	0.0	124.3	12.4
RA	8 - 11	LIVE	Domestic	10.1	29	684	2.6	533.9	64.3
RA	8 - 11	LIVE	Pulp	10.6	30	20	47.2	35.5	1.9
RA	8 - 11	LIVE	Cull	10.7	2	0	100.0	0.0	0.0
RA	12 - 15	LIVE	Domestic	14.0	30	386	7.7	254.2	36.3
RA	16 - 19	LIVE	Domestic	18.8	23	219	2.1	108.8	20.6
RC	5 - 7	LIVE	Domestic	5.8	25	115	2.5	89.1	10.8
RC	8 - 11	LIVE	Domestic	10.1	40	40	2.6	34.0	3.8
RC	12 - 15	LIVE	Domestic	12.0	40	50	10.2	41.7	4.7
RC	20+	LIVE	Domestic	20.6	40	164	12.6	120.3	15.4
RC	20+	LIVE	Cull	32.3	2	0	100.0	0.0	0.0
SF	8 - 11	LIVE	Domestic	9.9	24	78	6.9	70.5	7.4
SF	12 - 15	LIVE	Cull	12.0	5	0	100.0	0.0	0.0
SF	12 - 15	LIVE	Domestic	13.8	39	189	0.0	131.2	17.8
SF	16 - 19	LIVE	Domestic	18.4	39	487	1.0	273.8	45.8
SF	20+	LIVE	Cull	25.3	3	0	100.0	0.0	0.0
SF	20+	LIVE	Domestic	26.6	38	1,302	1.3	621.8	122.4
SS	5 - 7	LIVE	Cull	7.3	3	0	100.0	0.0	0.0
SS	8 - 11	LIVE	Domestic	9.0	34	122	3.4	104.1	11.4
SS	12 - 15	LIVE	Domestic	15.4	39	413	6.1	230.1	38.8
SS	16 - 19	LIVE	Domestic	17.2	40	121	0.0	60.3	11.4
SS	20+	LIVE	Domestic	21.7	38	911	5.3	475.7	85.6
SS	20+	LIVE	Cull	22.6	5	0	100.0	0.0	0.0
WH	5 - 7	LIVE	Pulp	5.6	17	114	0.4	105.4	10.7
WH	5 - 7	LIVE	Cull	6.1	7	0	100.0	0.0	0.0
WH	5 - 7	LIVE	Domestic	6.2	31	1,525	1.6	1,531.4	143.3

Sp	Bin	Status	Sort	Dia	Len	BF Net	Defect %	Tons	MBF Net
WH	8 - 11	LIVE	Pulp	8.5	28	56	0.0	49.8	5.3
WH	8 - 11	LIVE	Domestic	9.8	34	5,531	1.9	4,638.9	519.9
WH	8 - 11	LIVE	Cull	9.9	5	0	100.0	0.0	0.0
WH	12 - 15	LIVE	Domestic	13.8	38	9,226	4.1	6,785.3	867.2
WH	12 - 15	LIVE	Cull	14.9	5	0	100.0	0.0	0.0
WH	16 - 19	LIVE	Pulp	17.5	13	203	0.0	109.8	19.1
WH	16 - 19	LIVE	Cull	17.8	5	0	100.0	0.0	0.0
WH	16 - 19	LIVE	Domestic	17.8	38	8,369	3.4	5,400.9	786.6
WH	20+	LIVE	Domestic	22.7	38	11,773	6.1	6,983.1	1,106.7
WH	20+	LIVE	Pulp	22.8	19	588	0.0	292.6	55.2
WH	20+	LIVE	Cull	23.5	7	0	100.0	0.0	0.0

Cruise Unit Report FIR REALS SORTS U1

Unit Sale Notice Volume (MBF): FIR REALS SORTS U1

Sp	DBH	Rings/In	Age	MBF Volume by Grade				
				All	2 Saw	3 Saw	4 Saw	Utility
WH	29.3			959	822	74	5	57
DF	28.3	6.0	85	171	155	16		
SF	37.5			92	90	2		
RC	19.1			27		25	2	
ALL	28.0	6.0	85	1,248	1,067	117	7	57

Unit Cruise Design: FIR REALS SORTS U1

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (46.94) Measure/Count Plots, Sighting Ht = 16 ft	20.0	21.9	20	11	0

Unit Cruise Summary: FIR REALS SORTS U1

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
WH	29	73	3.7	0
DF	9	13	0.7	1
SF	4	6	0.3	0
RC	3	3	0.2	0
ALL	45	95	4.8	1

Unit Cruise Statistics (Cut + Leave Trees): FIR REALS SORTS 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 (%)
WH	218.9	57.2	12.8	219.0	18.8	3.5	47,934	60.2	13.3
DF	40.9	129.5	29.0	208.9	32.1	10.7	8,536	133.5	30.9
SF	17.7	218.1	48.8	259.8	5.9	3.0	4,596	218.2	48.9
RC	12.3	330.8	74.0	108.9	20.7	12.0	1,341	331.4	74.9
ALL	289.7	41.7	9.3	215.4	24.9	3.7	62,406	48.6	10.0

Unit Summary: FIR REALS SORTS U1

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	9	ALL	28.3	97	123	8,963	8,536	4.8	9.4	40.9	7.7	170.7
RC	LIVE	CUT	3	ALL	19.1	59	82	1,514	1,341	11.4	6.2	12.3	2.8	26.8
SF	LIVE	CUT	4	ALL	37.5	101	130	4,721	4,596	2.6	2.3	17.7	2.9	91.9
WH	LIVE	CUT	29	ALL	29.3	97	123	51,145	47,934	6.3	46.7	218.9	40.4	958.7
ALL	LIVE	CUT	45	ALL	28.7	94	119	66,344	62,406	5.9	64.6	289.7	53.8	1,248.1
ALL	ALL	ALL	45	ALL	28.7	94	119	66,344	62,406	5.9	64.6	289.7	53.8	1,248.1

Cruise Unit Report FIR REALS SORTS U2

Unit Sale Notice Volume (MBF): FIR REALS SORTS U2

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	2 Saw	3 Saw	4 Saw
DF	25.7			81	72	8	0
WH	16.7			39	19	17	3
RA	16.0			4		3	1
ALL	20.6			124	91	29	4

Unit Cruise Design: FIR REALS SORTS U2

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1: VR, 1 BAF (46.94) Measure All, Sighting Ht = 16 ft	2.0	2.5	3	3	0

Unit Cruise Summary: FIR REALS SORTS U2

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	7	9	3.0	0
WH	5	5	1.7	0
RA	1	1	0.3	0
ALL	13	15	5.0	0

Unit Cruise Statistics (Cut + Leave Trees): FIR REALS SORTS 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	199.0	33.8	19.5	203.7	17.7	6.7	40,551	38.2	20.6
WH	107.8	67.6	39.0	182.2	23.2	10.4	19,647	71.4	40.4
RA	21.7	173.2	100.0	91.7	0.0	0.0	1,985	173.2	100.0
ALL	328.5	1.4	0.8	189.3	24.4	6.8	62,183	24.5	6.8

Unit Summary: FIR REALS SORTS U2

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	7	ALL	25.7	109	140	41,878	40,551	3.2	55.3	199.0	39.3	81.1
RA	LIVE	CUT	1	ALL	16.0	50	60	2,078	1,985	4.5	15.5	21.7	5.4	4.0

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
WH	LIVE	CUT	5	ALL	16.7	93	117	20,055	19,647	2.0	70.9	107.8	26.4	39.3
ALL	LIVE	CUT	13	ALL	20.6	95	120	64,011	62,183	2.9	141.7	328.5	71.1	124.4
ALL	ALL	ALL	13	ALL	20.6	95	120	64,011	62,183	2.9	141.7	328.5	71.1	124.4

Cruise Unit Report FIR REALS SORTS U3

Unit Sale Notice Volume (MBF): FIR REALS SORTS U3

Sp	DBH	Rings/In	Age	MBF Volume by Grade				
				All	2 Saw	3 Saw	4 Saw	Utility
WH	17.8			240	136	87	13	4
DF	23.8	6.0	84	211	169	32	10	
ALL	18.9	6.0	84	451	305	119	23	4

Unit Cruise Design: FIR REALS SORTS U3

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (54.44) Measure/Count Plots, Sighting Ht = 4.5 ft	7.0	8.8	7	3	0

Unit Cruise Summary: FIR REALS SORTS U3

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
WH	10	25	3.6	0
DF	4	21	3.0	1
ALL	14	46	6.6	1

Unit Cruise Statistics (Cut + Leave Trees): FIR REALS SORTS 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 (%)
WH	194.4	88.3	33.4	176.1	29.2	9.2	34,243	93.0	34.6
DF	163.3	50.9	19.2	184.9	13.7	6.8	30,200	52.7	20.4
ALL	357.7	33.9	12.8	180.1	25.0	6.7	64,443	42.1	14.4

Unit Summary: FIR REALS SORTS U3

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	4	ALL	23.8	95	121	31,791	30,200	5.0	52.9	163.3	33.5	211.4
WH	LIVE	CUT	10	ALL	17.8	79	100	35,172	34,243	2.6	112.5	194.4	46.1	239.7
ALL	LIVE	CUT	14	ALL	19.9	84	106	66,962	64,443	3.8	165.4	357.7	79.6	451.1
ALL	ALL	ALL	14	ALL	19.9	84	106	66,962	64,443	3.8	165.4	357.7	79.6	451.1

Cruise Unit Report FIR REALS SORTS U4

Unit Sale Notice Volume (MBF): FIR REALS SORTS U4

Sp	DBH	Rings/In	Age	MBF Volume by Grade					
				All	Spec Mill	2 Saw	3 Saw	4 Saw	Utility
WH	21.9			1,414	32	1,054	261	48	20
DF	24.8	6.0	63	1,271	80	900	258	22	11
SS	30.0			136		107	28		
RA	17.2			125		54	27	33	11
SF	31.1			79		74	5		
RC	12.0			2				2	
ALL	22.2	6.0	63	3,027	111	2,189	579	105	42

Unit Cruise Design: FIR REALS SORTS U4

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (46.94) Measure/Count Plots, Sighting Ht = 16 ft	47.0	57.5	48	25	0

Unit Cruise Summary: FIR REALS SORTS U4

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
WH	62	119	2.5	0
DF	43	92	1.9	2
SS	4	9	0.2	0
RA	11	18	0.4	0
SF	3	5	0.1	0
RC	1	1	0.0	0
ALL	124	244	5.1	2

Unit Cruise Statistics (Cut + Leave Trees): FIR REALS SORTS 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 (%)
WH	159.6	93.2	13.5	188.6	28.0	3.5	30,092	97.3	13.9
DF	123.3	83.7	12.1	219.3	28.9	4.4	27,043	88.6	12.9
SS	12.4	341.9	49.3	232.6	8.1	4.1	2,885	341.9	49.5
RA	24.4	210.6	30.4	108.8	34.5	10.4	2,657	213.4	32.1
SF	6.7	356.5	51.5	251.5	12.0	6.9	1,676	356.7	51.9

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 (%)
RC	1.6	692.8	100.0	30.6	0.0	0.0	49	692.8	100.0
ALL	328.0	42.7	6.2	196.3	32.6	2.9	64,402	53.8	6.8

Unit Summary: FIR REALS SORTS U4

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	43	ALL	24.8	92	119	28,174	27,043	4.0	36.8	123.3	24.8	1,271.0
RA	LIVE	CUT	11	ALL	17.2	59	73	2,818	2,657	5.7	15.1	24.4	5.9	124.9
RC	LIVE	CUT	1	ALL	12.0	25	31	53	49	7.7	2.0	1.6	0.5	2.3
SF	LIVE	CUT	3	ALL	31.1	112	144	1,722	1,676	2.6	1.3	6.7	1.2	78.8
SS	LIVE	CUT	4	ALL	30.0	107	139	3,080	2,885	6.3	2.5	12.4	2.3	135.6
WH	LIVE	CUT	62	ALL	21.9	90	115	32,339	30,092	6.9	61.0	159.6	34.1	1,414.3
ALL	LIVE	CUT	124	ALL	22.5	86	110	68,186	64,402	5.5	118.7	328.0	68.7	3,026.9
ALL	ALL	ALL	124	ALL	22.5	86	110	68,186	64,402	5.5	118.7	328.0	68.7	3,026.9

Cruise Unit Report FIR REALS SORTS U5

Unit Sale Notice Volume (MBF): FIR REALS SORTS U5

Sp	DBH	Rings/In	Age	MBF Volume by Grade					
				All	Spec Mill	2 Saw	3 Saw	4 Saw	Utility
WH	17.6	6.0	80	126		94	21	9	2
SS	22.0			12		9	2		
SF	25.0			8	5	3	1		
ALL	18.2	6.0	80	146	5	106	23	9	2

Unit Cruise Design: FIR REALS SORTS U5

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (46.94) Measure/Count Plots, Sighting Ht = 16 ft	3.0	3.3	5	4	0

Unit Cruise Summary: FIR REALS SORTS U5

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
WH	13	19	3.8	1
SS	1	2	0.4	0
SF	1	1	0.2	0
ALL	15	22	4.4	1

Unit Cruise Statistics (Cut + Leave Trees): FIR REALS SORTS 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 (%)
WH	239.7	34.2	15.3	174.9	37.2	10.3	41,909	50.6	18.5
SS	25.4	223.6	100.0	153.0	0.0	0.0	3,885	223.6	100.0
SF	11.6	223.6	100.0	242.3	0.0	0.0	2,808	223.6	100.0
ALL	276.6	23.8	10.6	175.7	35.9	9.3	48,602	43.1	14.1

Unit Summary: FIR REALS SORTS U5

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
SF	LIVE	CUT	1	ALL	25.0	111	143	2,808	2,808	0.0	3.4	11.6	2.3	8.4
SS	LIVE	CUT	1	ALL	22.0	86	110	4,298	3,885	9.6	9.6	25.4	5.4	11.7

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
WH	LIVE	CUT	13	ALL	17.6	56	87	45,225	41,909	7.3	141.9	239.7	57.1	125.7
ALL	LIVE	CUT	15	ALL	18.1	59	90	52,332	48,602	7.1	154.9	276.6	64.9	145.8
ALL	ALL	ALL	15	ALL	18.1	59	90	52,332	48,602	7.1	154.9	276.6	64.9	145.8

Cruise Unit Report FIR REALS SORTS U6

Unit Sale Notice Volume (MBF): FIR REALS SORTS U6

Sp	DBH	Rings/In	Age	MBF Volume by Grade					
				All	Spec Mill	2 Saw	3 Saw	4 Saw	Utility
WH	22.1			662	80	434	128	18	4
DF	28.4	6.0	85	431	124	268	40		
SF	39.0			14		14			
RC	20.0			6			5	1	
ALL	23.0	6.0	85	1,113	204	715	172	19	4

Unit Cruise Design: FIR REALS SORTS 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 = 16 ft	12.0	13.4	15	8	0

Unit Cruise Summary: FIR REALS SORTS U6

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
WH	31	56	3.7	0
DF	8	31	2.1	1
SF	1	1	0.1	0
RC	1	1	0.1	0
ALL	41	89	5.9	1

Unit Cruise Statistics (Cut + Leave Trees): FIR REALS SORTS 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 (%)
WH	219.1	64.5	16.7	251.9	10.2	1.8	55,187	65.4	16.8
DF	124.2	124.7	32.2	289.0	5.1	1.8	35,893	124.8	32.2
SF	3.9	387.3	100.0	306.7	0.0	0.0	1,185	387.3	100.0
RC	4.9	387.3	100.0	95.3	0.0	0.0	466	387.3	100.0
ALL	352.1	31.8	8.2	263.4	14.6	2.3	92,731	35.0	8.5

Unit Summary: FIR REALS SORTS U6

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	8	ALL	28.4	126	162	36,602	35,893	1.9	28.2	124.2	23.3	430.7
RC	LIVE	CUT	1	ALL	20.0	70	88	518	466	10.0	2.2	4.9	1.1	5.6
SF	LIVE	CUT	1	ALL	39.0	120	155	1,203	1,185	1.5	0.5	3.9	0.6	14.2
WH	LIVE	CUT	31	ALL	22.1	111	141	58,286	55,187	5.3	82.2	219.1	46.6	662.2
ALL	LIVE	CUT	41	ALL	23.9	114	146	96,608	92,731	4.0	113.1	352.1	71.6	1,112.8
ALL	ALL	ALL	41	ALL	23.9	114	146	96,608	92,731	4.0	113.1	352.1	71.6	1,112.8

Cruise Unit Report FIR REALS SORTS U7 ROW

Unit Sale Notice Volume (MBF): FIR REALS SORTS U7 ROW

Sp	DBH	Rings/In	Age	MBF Volume by Grade				
				All	Spec Mill	2 Saw	3 Saw	4 Saw
WH	24.3			28	4	19	4	0
DF	29.0	6.0	85	8	3	5	1	
ALL	25.1	6.0	85	36	7	24	5	0

Unit Cruise Design: FIR REALS SORTS U7 ROW

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
ST: Strip/Percent Sample (1 tree expansion)	1.0	0.6	1	1	0

Unit Cruise Summary: FIR REALS SORTS U7 ROW

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
WH	5	35	35.0	0
DF	3	6	6.0	1
ALL	8	41	41.0	1

Unit Cruise Statistics (Cut + Leave Trees): FIR REALS SORTS U7 ROW

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 (%)
WH	113.2	0.0	0.0	244.8	6.0	2.7	27,713	6.0	2.7
DF	27.5	0.0	0.0	292.2	5.9	3.4	8,030	5.9	3.4
ALL	140.7	0.0	0.0	254.1	11.0	3.9	35,743	11.0	3.9

Unit Summary: FIR REALS SORTS U7 ROW

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	3	ALL	29.0	128	166	8,138	8,030	1.3	6.0	27.5	5.1	8.0
WH	LIVE	CUT	5	ALL	24.3	106	134	28,917	27,713	4.2	35.1	113.2	23.0	27.7
ALL	LIVE	CUT	8	ALL	25.0	109	139	37,055	35,743	3.5	41.1	140.7	28.1	35.7
ALL	ALL	ALL	8	ALL	25.0	109	139	37,055	35,743	3.5	41.1	140.7	28.1	35.7

Cruise Unit Report FIR REALS SORTS U8 ROW

Unit Sale Notice Volume (MBF): FIR REALS SORTS U8 ROW

Sp	DBH	Rings/In	Age	MBF Volume by Grade					
				All	Spec Mill	2 Saw	3 Saw	4 Saw	Utility
WH	21.4			46	13	24	6	1	3
DF	15.8	5.0	63	27	5	12	5	3	2
RA	14.0			14		3	4	4	3
ALL	17.0	5.0	63	87	17	39	16	7	9

Unit Cruise Design: FIR REALS SORTS U8 ROW

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1: VR, 1 BAF (40) Measure All, Sighting Ht = 16 ft	2.0	2.5	4	4	0

Unit Cruise Summary: FIR REALS SORTS U8 ROW

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
WH	8	8	2.0	0
DF	6	6	1.5	2
RA	4	4	1.0	0
ALL	18	18	4.5	2

Unit Cruise Statistics (Cut + Leave Trees): FIR REALS SORTS U8 ROW

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 (%)
WH	104.2	78.6	39.3	222.8	32.1	11.4	23,207	84.9	40.9
DF	82.8	88.4	44.2	162.4	63.4	25.9	13,446	108.8	51.2
RA	53.5	142.0	71.0	131.3	27.4	13.7	7,018	144.6	72.3
ALL	240.4	27.3	13.6	181.7	46.2	10.9	43,671	53.7	17.4

Unit Summary: FIR REALS SORTS U8 ROW

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	6	ALL	15.8	63	86	13,842	13,446	2.9	60.8	82.8	20.8	26.9
RA	LIVE	CUT	4	ALL	14.0	68	88	7,451	7,018	5.8	50.0	53.5	14.3	14.0

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
WH	LIVE	CUT	8	ALL	21.4	84	107	24,028	23,207	3.4	41.7	104.2	22.5	46.4
ALL	LIVE	CUT	18	ALL	17.0	71	92	45,320	43,671	3.6	152.5	240.4	57.6	87.3
ALL	ALL	ALL	18	ALL	17.0	71	92	45,320	43,671	3.6	152.5	240.4	57.6	87.3



Forest Practices Application/Notification
Notice of Decision

FPA/N No: 2940203

Effective Date: 05/03/2022

Expiration Date: 05/03/2025

Shut Down Zone: 651S

EARR Tax Credit: ☒ Eligible ☐ Non-eligible

Reference: Fir Reals Sorts

30-103222

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

No additional conditions.

NOTE: Forest practice activities located within 0.25 miles of an occupied marbled murrelet site are subject to disturbance avoidance timing restrictions per WACs 222-24-030, 222-30-050, 222-30-060, 222-30-065, 222-30-070, and 222-30-100. (April 1 to August 31)

Issued By: Brian Wesemann

Region: Pacific Cascade

Title: Forest Practices Forester

Date: 05/03/2022

Copies to: ☐ Landowner, ☐ Timber Owner ☐ Operator

Issued in person: ☒ Landowner ☒ Timber Owner ☒ Operator

By: 

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. 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 Pacific Cascade Region
<u>Physical Address</u> 1111 Israel Road, SW Suite 301 Tumwater, WA 98501	<u>Physical Address</u> 1125 Washington Street, SE Olympia, WA 98504	<u>Physical Address</u> 601 Bond Road Castle Rock WA 98611
<u>Mailing address</u> Post Office Box 40903 Olympia, WA 98504-0903	<u>Mailing Address</u> Post Office Box 40100 Olympia, WA 98504-0100	<u>Mailing Address</u> Post Office Box 280 Castle Rock WA 98611

Information regarding the Pollution Control Hearings Board can be found at: <http://www.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 Affidavit of Mailing

On this day _____ I placed in the United States mail at Castle Rock, WA, postage paid, a true and accurate copy of this document. Notice of Decision FPA # _____.

Jacqui Spahr

(Printed Name)

(Signature)