WASHINGTON STATE DEPARTMENT OF Natural Resources

TIMBER NOTICE OF SALE

***SALE NAME**: ALEC FIRE SALVAGE FIT SORTS* ***AGREEMENT NO**: 30-93364 - 30-93367*

AUCTION: February 17, 2016 starting at 10:00 a.m. **COUNTY: Ferry**
Northeast Region Office, Colville, WA

SALE LOCATION: Sale located approximately 8 miles east of Curlew, WA.

PRODUCTS SOLD AND SALE AREA: All fire damaged species, except leave trees bounded by yellow leave tree area tags and as described in Schedule A in Units 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and 11 bounded by blue Special Management Unit boundary tags meeting the specifications described below; on parts of Sections 24, 25, 26, 27, 34, 35, and 36 all in Township 39 North, Range 34 East W.M., containing 873 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		
30-093364	01	DF/WL 11"+ dib	N/A	752	3760	5		$67.00	$251,920.00	$23,312.00
30-093365	02	DF/WL 7-10" dib	N/A	2010	12060	6		$56.50	$681,390.00	$63,918.00
30-093366	03	ES/LP/SAF 7"+ dib and non-chuckable DF/WL 7"+ dib	N/A	231	1271	5.5		$51.75	$65,774.25	$6,100.80
30-093367	04	DF/WL/ES/LP/SAF 5-6" dib	N/A	1473	9428	6.4		$36.00	$339,408.00	$31,109.10
Totals:				**4466**	**26519**				**$1,338,492.25**	

CERTIFICATION: This sale is certified under the Sustainable Forestry Initiative® program Standard (cert no: BV-SFIS-US09000572)

BID METHOD: Sealed Bids **UNIT OF MEASURE:** Tonnage Scale

EXPIRATION DATE: November 30, 2016 **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 Northeast Region Office in Colville WA. Phone number (509)684-7474.

TIMBER EXCISE TAX: **P**urchaser 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:

Harvest Cost = $28.00 per Ton for sorts 01, 02, 03 and 04.

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 x C miles) + ($0.11 x A miles)) x Fuel Index Factor

ARRF does not apply.

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

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.

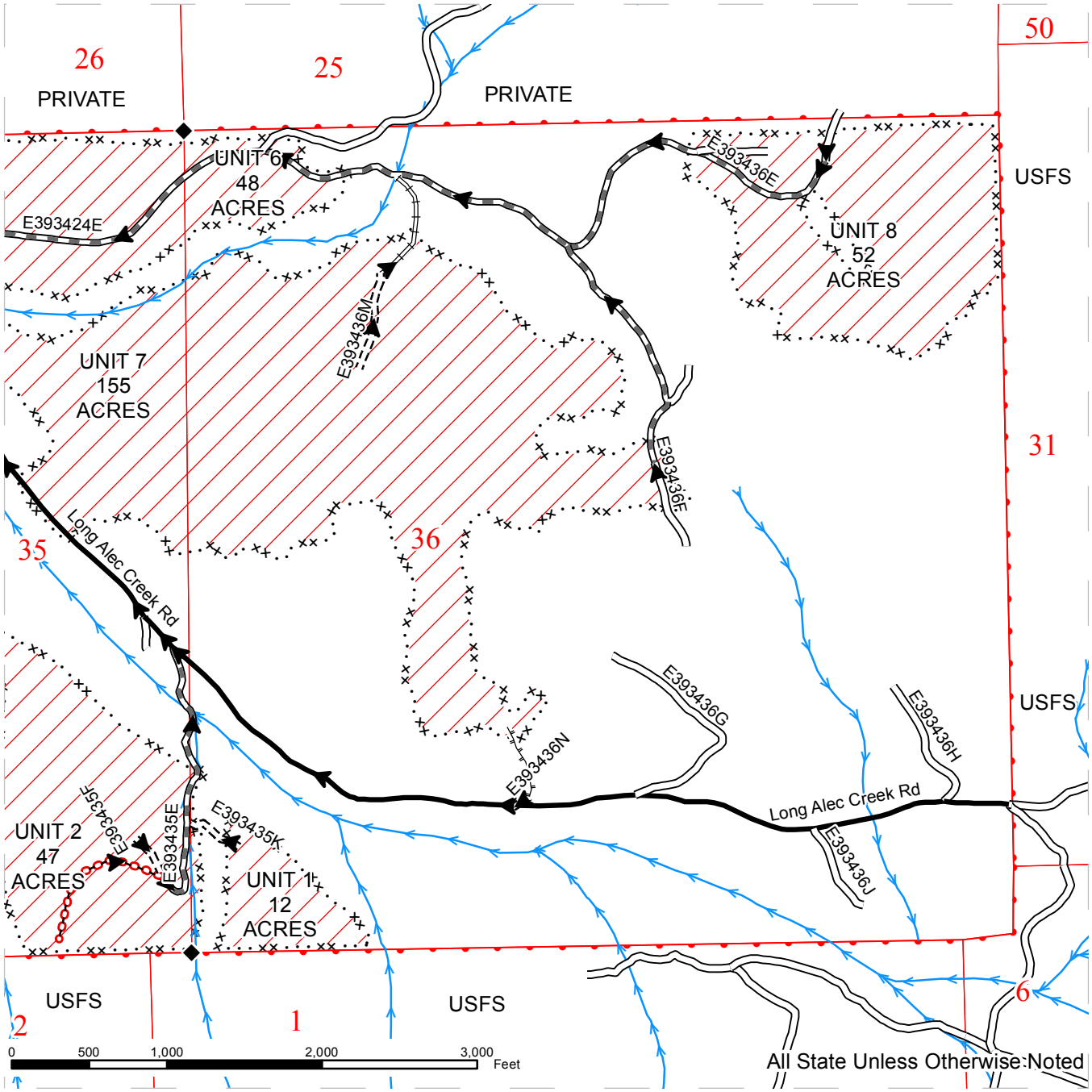
No blue stain is allowed in the lodgepole pine. Fire scars burned through the bark and into the wood fiber will be bucked from the logs prior to deilvery.

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 Matt Smith at the Northeast Region Office at (509)684-7474 or Steve Teitzel at the Product Sales and Leasing Division Office in Olympia at (360)902-1741.

TIMBER SALE MAP

SALE NAME: ALEC FIRE SALVAGE FIT
AGREEMENT#: 30-093249
TOWNSHIP(S): T39R34E
TRUST(S): Common School and Indemnity(3)

REGION: Northeast Region
COUNTY(S): FERRY
ELEVATION RGE: 3600-4989



- Special Mgmt Area Tags
- Ground Skidding
- Leave Tree Area (bounded by yellow LTA tags)
- Existing Road
- Required Construction
- Required Reconstruction
- PreHaul Maintenance
- Designated Skid Trail
- Abandonment
- County Road
- Haul Route
- Streams
- Monumented Corners

N

Prepared By: dzei490 Creation Date: 11/3/2015 Modification Date: 01/08/2016

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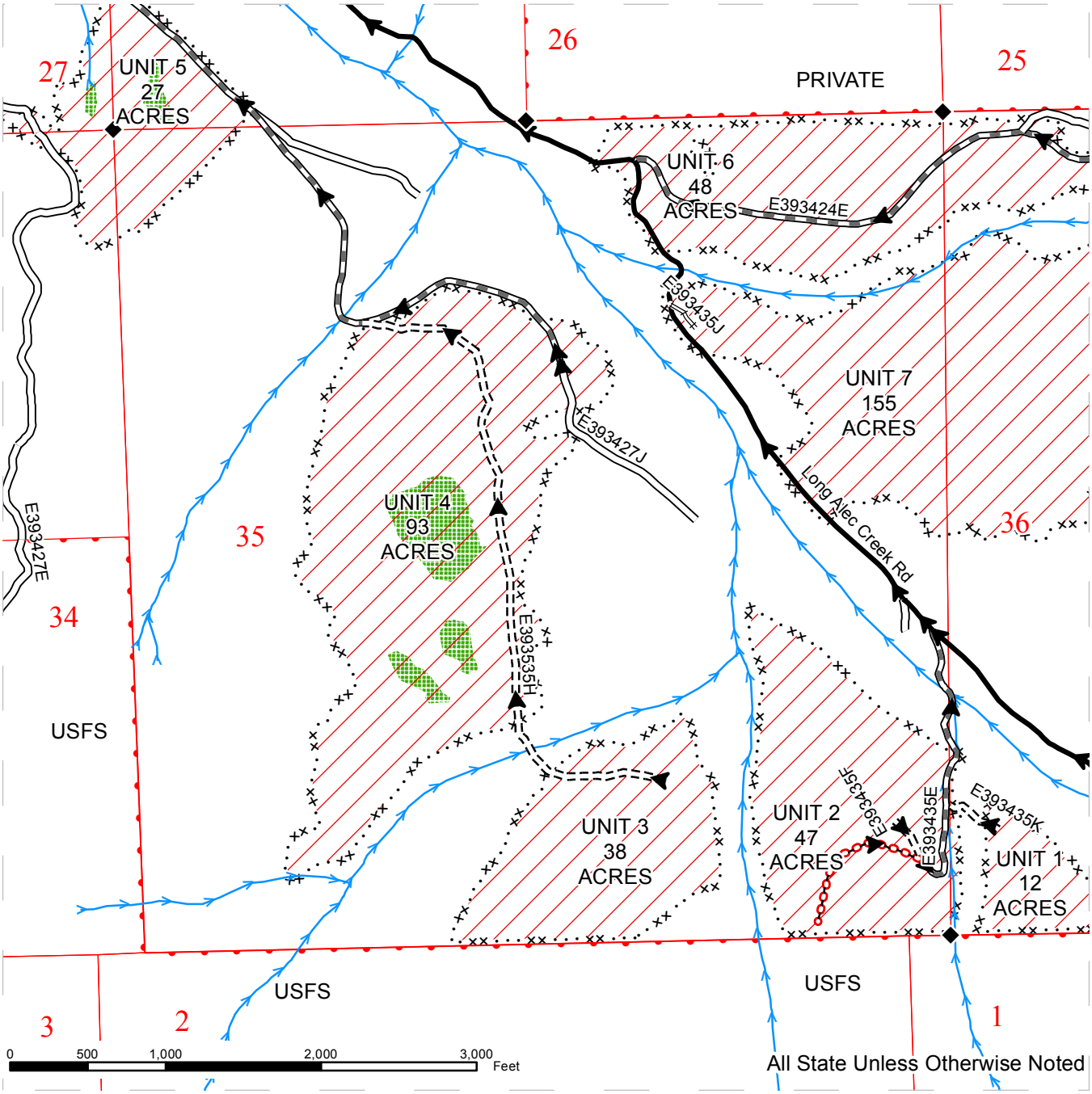

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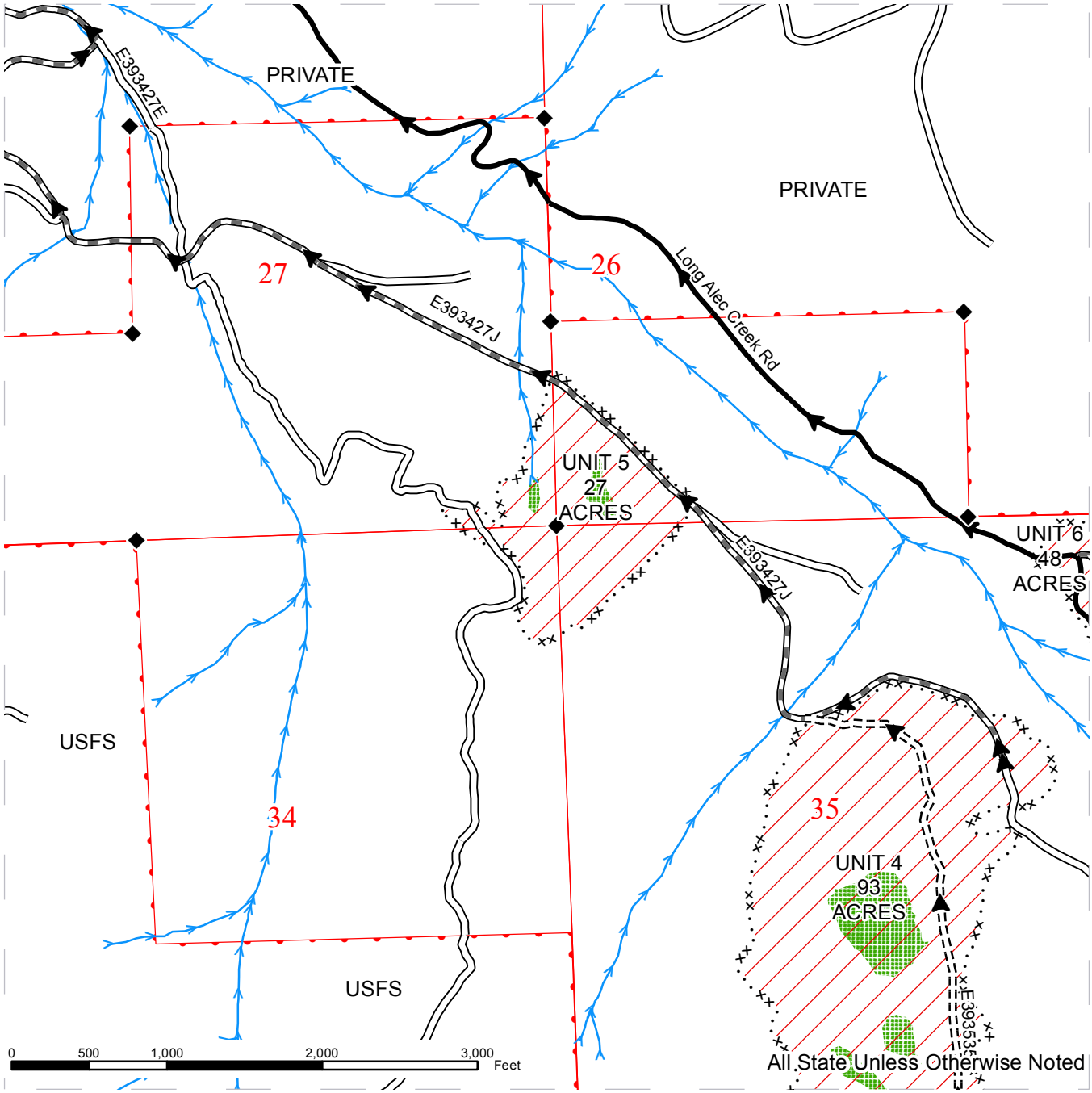

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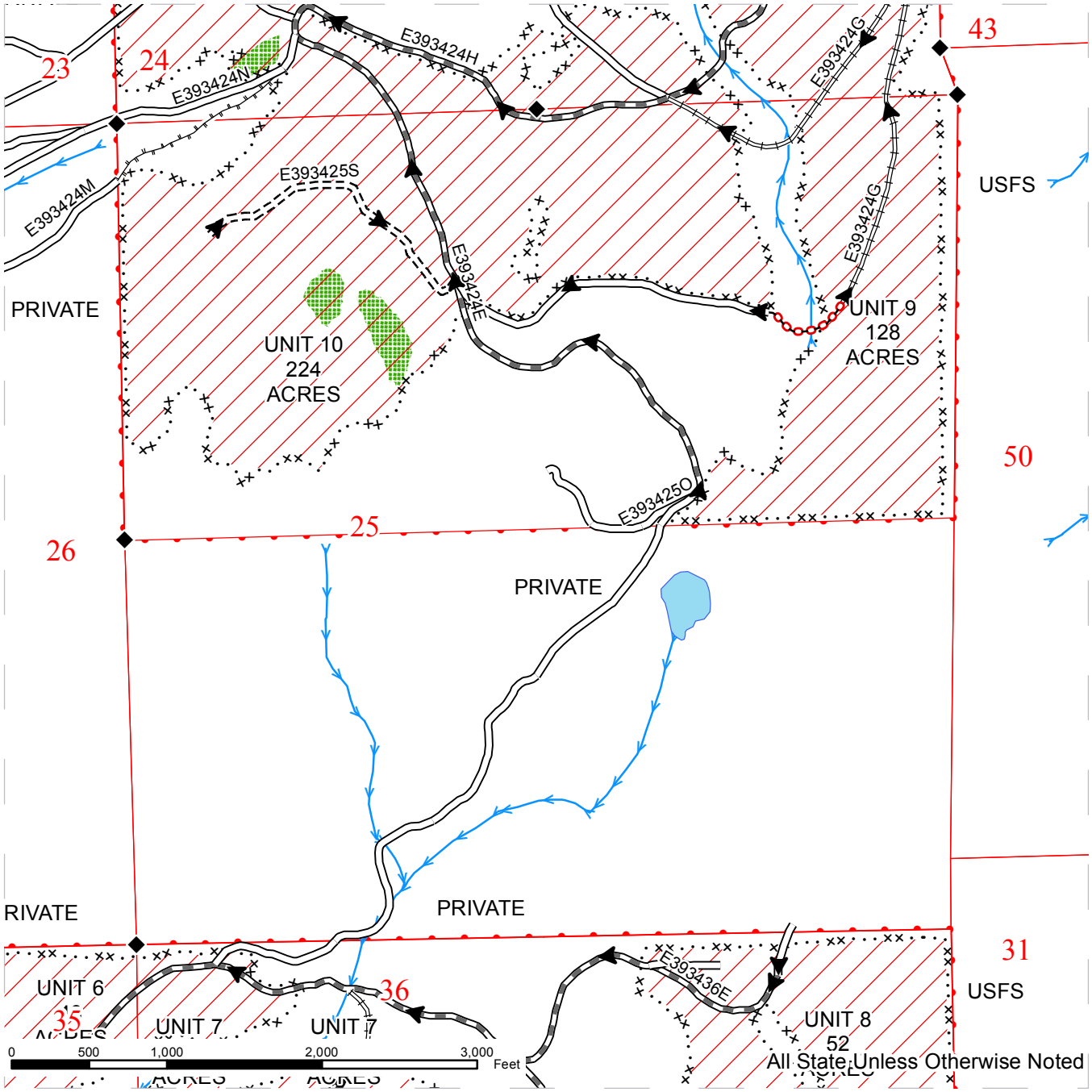

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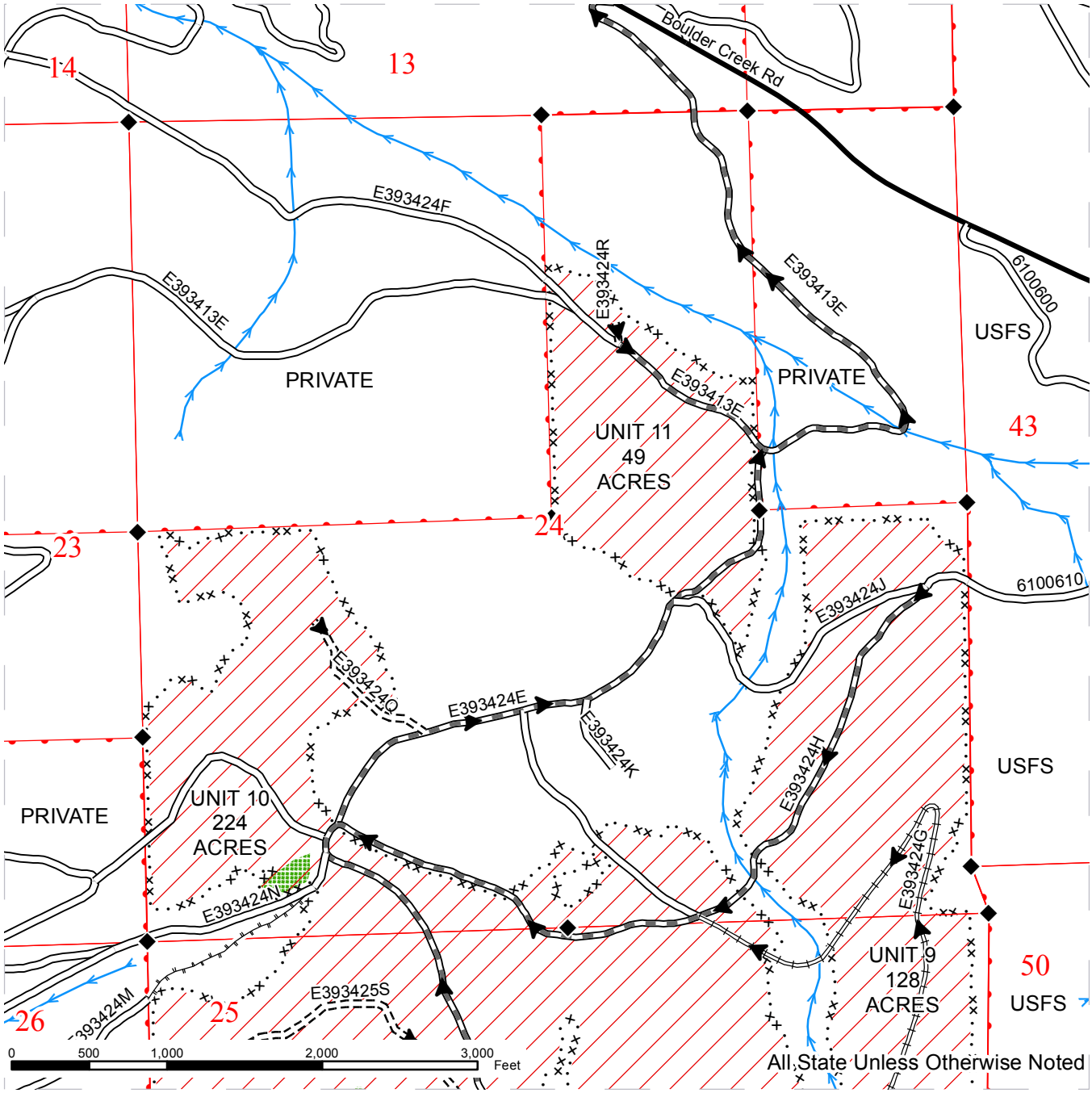

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DRIVING MAP

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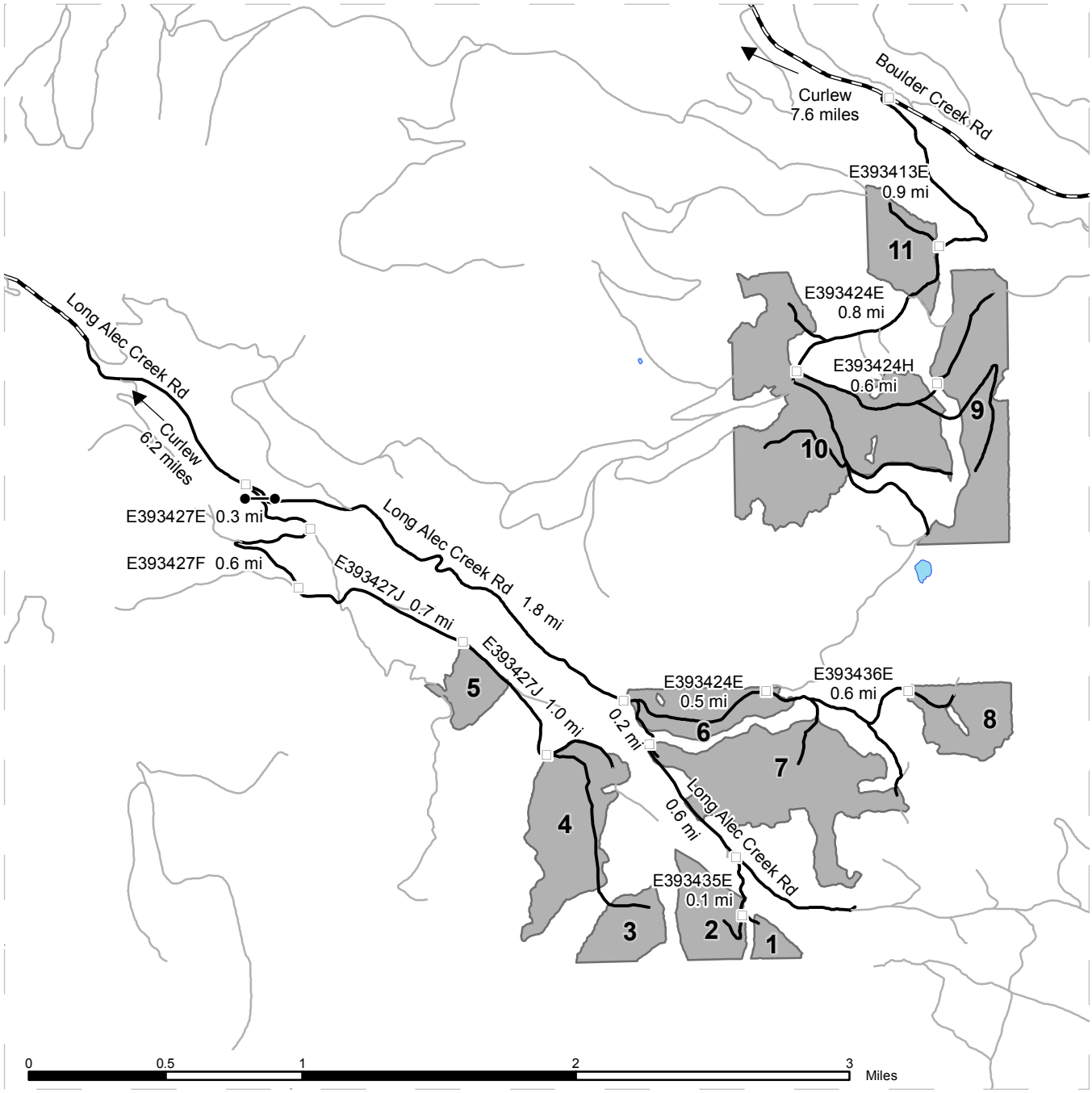

Timber Sale Unit
Haul Route
Other Route
County Road
Milepost Markers
Gate

DRIVING DIRECTIONS:

Units 9, 10, and 11:
From Curlew, WA travel east on Boulder Creek Rd for 7.6 miles. Turn south on E393413E. Drive 0.9 miles to Unit 11. From Unit 11, turn south on E393424E. Travel 0.8 miles to reach Unit 10 and the junction with E393424H Road. Drive east on E393424H for 0.6 miles to reach Unit 9.

Unit 1, 2, 3, 4, 5, 6, 7, and 8:
From Curlew, WA travel east on Long Alec Creek Rd. for 6.2 miles to the intersection with E393427E. Travel southeast on E393427E, opening the locked gate, and then proceeding for 0.3 miles to the junction with E393427F. Drive west on E393427F for 0.6 miles to reach junction with E393427J. Travel east on E393427J for 0.7 miles to reach Unit 5. From Unit 5, continue on E393427J for an additional 1.0 miles to reach the area of Units 3 and 4. From the intersection of Long Alec Creek Rd. and E393427E continue on Long Alec Creek Rd. for an additional 1.8 miles to reach Unit 6 and the junction with E393424E. To reach Unit 8, travel east on E393424E for 0.5 miles to the intersection with E393436E. Stay straight on E393436E for 0.6 miles. From the junction of Long Alec Creek Rd. and E393424E continue on Long Alec Creek Rd. for an additional 0.2 miles to reach Unit 7. From Unit 7 continue on Long Alec Creek Rd for 0.6 miles to the intersection with E393435E. Take E393435E south for 0.1 miles to reach the area of Units 1 and 2.

N

Prepared By: dzei490 Creation Date: 11/3/2015 Modification Date: 01/06/2016

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

LOG SALE AND PURCHASE CONTRACT

AGREEMENT NO. 30-093364

SALE NAME: ALEC FIRE SALVAGE FIT SORT 01

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 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 February 17, 2016 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 ALEC FIRE SALVAGE FIT SORTS Timber Sale described as parts of Sections 24, 25, 26, 27, 34, 35, and 36 all in Township 39 North, Range 34 East W.M., in Ferry 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
93364	1	DF/WL 11"+ dib	

Unless otherwise specified, no blue stain is allowed in Ponderosa pine.

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
93364	01	ES

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.
d. Surface characteristics for a high quality (HQ) "A" log sort will have sound tight knots and not to exceed 1 ½ inch in diameter, numbering not more than an average of one per foot of log length. May include logs with not more than two larger knots. Knots ½ inch and smaller in diameter shall not be a determining factor. Logs will have a growth ring count of 6 or more rings per inch in the outer third top end 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 20 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 November 30, 2016.

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, QUANITY, 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: BV-SFIS-US09000572.

G-160.2 Agents

The State's rights and duties will be exercised by the Region Manager at Colville, 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 post office address, 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.

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 where species are incorrect, are scaled over 1" outside the listed diameter specifications, or ponderosa pine with blue stain are considered mis-sorts.

However, when mis-sorted Forest Products amount to more than 3% 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:

Payment Reduction = (B x M) x R
Where:
B = Bid rate from P-028.2 clause
M = Mis-sorted volume exceeding threshold excluding utility
R = Reduction factor
0.3 for mis-sort except for blue stain
0.4 for mis-sort related to blue stain

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 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 minimum log quality specifications as described in the G-024.2 clause 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 3% 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:

Payment Reduction = (B x M) x (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 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 clauses G-022.2 and 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-090 Scaling Rules

Determination of volume of any forest products shall be conducted by a state approved third party scaling organization and in accordance with the Eastside log scaling and grading rules, Region 6 taper 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 en-route 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:

Interest = r x LD x 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.

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

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

_____	_____
Purchaser	Loren D. Torgerson Northeast Region Manager
Date: _____	Date: _____
Address:	

CORPORATE ACKNOWLEDGEMENT

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. 30-093365

SALE NAME: ALEC FIRE SALVAGE FIT SORT 02

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 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 February 17, 2016 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 ALEC FIRE SALVAGE FIT SORTS Timber Sale described as parts of Sections 24, 25, 26, 27, 34, 35, and 36 all in Township 39 North, Range 34 East W.M., in Ferry 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
93365	2	DF/WL 7-10" dib	

Unless otherwise specified, no blue stain is allowed in Ponderosa pine.

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
93365	02	ES

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.
d. Surface characteristics for a high quality (HQ) "A" log sort will have sound tight knots and not to exceed 1 ½ inch in diameter, numbering not more than an average of one per foot of log length. May include logs with not more than two larger knots. Knots ½ inch and smaller in diameter shall not be a determining factor. Logs will have a growth ring count of 6 or more rings per inch in the outer third top end 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 20 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 November 30, 2016.

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, QUANITY, 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: BV-SFIS-US09000572.

G-160.2 Agents

The State's rights and duties will be exercised by the Region Manager at Colville, 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 post office address, 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.

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 where species are incorrect, are scaled over 1" outside the listed diameter specifications, or ponderosa pine with blue stain are considered mis-sorts.

However, when mis-sorted Forest Products amount to more than 3% 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:

Payment Reduction = (B x M) x R
Where:
B = Bid rate from P-028.2 clause
M = Mis-sorted volume exceeding threshold excluding utility
R = Reduction factor
0.3 for mis-sort except for blue stain
0.4 for mis-sort related to blue stain

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 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 minimum log quality specifications as described in the G-024.2 clause 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 3% 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:

Payment Reduction = (B x M) x (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 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 clauses G-022.2 and 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 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-090 Scaling Rules

Determination of volume of any forest products shall be conducted by a state approved third party scaling organization and in accordance with the Eastside log scaling and grading rules, Region 6 taper 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 en-route 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:

Interest = r x LD x 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.

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

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

_____	_____
Purchaser	Loren D. Torgerson Northeast Region Manager
Date: _____	Date: _____
Address:	

CORPORATE ACKNOWLEDGEMENT

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. 30-093366

SALE NAME: ALEC FIRE SALVAGE FIT SORT 03

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 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 February 17, 2016 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 ALEC FIRE SALVAGE FIT SORTS Timber Sale described as parts of Sections 24, 25, 26, 27, 34, 35, and 36 all in Township 39 North, Range 34 East W.M., in Ferry 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
93366	3	ES/LP/SAF 7"+ dib and non-chuckable DF/WL 7"+ dib	

Unless otherwise specified, no blue stain is allowed in Ponderosa pine.

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

93366	03	ES

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.
d. Surface characteristics for a high quality (HQ) "A" log sort will have sound tight knots and not to exceed 1 ½ inch in diameter, numbering not more than an average of one per foot of log length. May include logs with not more than two larger knots. Knots ½ inch and smaller in diameter shall not be a determining factor. Logs will have a growth ring count of 6 or more rings per inch in the outer third top end 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 20 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 November 30, 2016.

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, QUANITY, 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: BV-SFIS-US09000572.

G-160.2 Agents

The State's rights and duties will be exercised by the Region Manager at Colville, 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 post office address, 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.

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 where species are incorrect, are scaled over 1" outside the listed diameter specifications, or ponderosa pine with blue stain are considered mis-sorts.

However, when mis-sorted Forest Products amount to more than 3% 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:

Payment Reduction = (B x M) x R
Where:
B = Bid rate from P-028.2 clause
M = Mis-sorted volume exceeding threshold excluding utility
R = Reduction factor
0.3 for mis-sort except for blue stain
0.4 for mis-sort related to blue stain

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 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 minimum log quality specifications as described in the G-024.2 clause 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 3% 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:

Payment Reduction = (B x M) x (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 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 clauses G-022.2 and 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 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-090 Scaling Rules

Determination of volume of any forest products shall be conducted by a state approved third party scaling organization and in accordance with the Eastside log scaling and grading rules, Region 6 taper 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 en-route 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:

Interest = r x LD x 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.

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

	STATE OF WASHINGTON DEPARTMENT OF NATURAL RESOURCES
_____	_____
Purchaser	Loren D. Torgerson Northeast Region Manager
Date: _____	Date: _____
Address:	

CORPORATE ACKNOWLEDGEMENT

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. 30-093367

SALE NAME: ALEC FIRE SALVAGE FIT SORT 04

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 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 February 17, 2016 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 ALEC FIRE SALVAGE FIT SORTS Timber Sale described as parts of Sections 24, 25, 26, 27, 34, 35, and 36 all in Township 39 North, Range 34 East W.M., in Ferry 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
93367	4	DF/WL/ES/LP/SAF 5-6" dib	

Unless otherwise specified, no blue stain is allowed in Ponderosa pine.

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
93367	04	ES

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.
d. Surface characteristics for a high quality (HQ) "A" log sort will have sound tight knots and not to exceed 1 ½ inch in diameter, numbering not more than an average of one per foot of log length. May include logs with not more than two larger knots. Knots ½ inch and smaller in diameter shall not be a determining factor. Logs will have a growth ring count of 6 or more rings per inch in the outer third top end 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 20 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 November 30, 2016.

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, QUANITY, 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: BV-SFIS-US09000572.

G-160.2 Agents

The State's rights and duties will be exercised by the Region Manager at Colville, 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 post office address, 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.

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 where species are incorrect, are scaled over 1" outside the listed diameter specifications, or ponderosa pine with blue stain are considered mis-sorts.

However, when mis-sorted Forest Products amount to more than 3% 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:

Payment Reduction = (B x M) x R
Where:
B = Bid rate from P-028.2 clause
M = Mis-sorted volume exceeding threshold excluding utility
R = Reduction factor
0.3 for mis-sort except for blue stain
0.4 for mis-sort related to blue stain

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 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 minimum log quality specifications as described in the G-024.2 clause 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 3% 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:

Payment Reduction = (B x M) x (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 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 clauses G-022.2 and 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 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-090 Scaling Rules

Determination of volume of any forest products shall be conducted by a state approved third party scaling organization and in accordance with the Eastside log scaling and grading rules, Region 6 taper 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 en-route 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:

Interest = r x LD x 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.

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

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

_____	_____
Purchaser	Loren D. Torgerson Northeast Region Manager
Date: _____	Date: _____
Address:	

CORPORATE ACKNOWLEDGEMENT

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 _____

PRE-CRUISE NARRATIVE

Sale Name: Alec Fire Salvage FIT	Region: **Northeast**
Agreement #: 30-093249	District: Highlands
Contact Forester:Andy Townsend Phone / Location: 509-223-4044/Log Cabin	County(s): Okanogan, Choose a county
Alternate Contact:Matt Smith Phone / Location: 509-223-4044/Log Cabin	Other information: Click here to enter text.

Type of Sale: Log Sort (Contract harvest)	
Harvest System: Ground based Click here to enter text.	100%

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 Determination (List method and error of closure if applicable)
				RMZ/ WMZ Acres	Leave Tree Acres	Existing Road Acres	Other Acres (describe)		
1	Sec.36/T39/R34	03	12	0	0	0	0	12	GPS (Garmin)
2	Sec.36/T39/R34	03	48	0	0	1	0	47	GPS (Garmin)
3	Sec.36/T39/R34	03	38	0	0	0	0	38	GPS (Garmin)
4	Sec.36/T39/R34	03	103	0	9	1	0	93	GPS (Garmin)
5	Sec.36/T39/R34	03	29	0	1	1	0	27	GPS (Garmin)
6	Sec.36/T39/R34	03	51	0	0	3	0	48	GPS (Garmin)
7	Sec.36/T39/R34	03	156	0	0	1	0	155	GPS (Garmin)
8	Sec.36/T39/R34	03	51	0	0	1	0	50	GPS (Garmin)
9	Sec.36/T39/R34	03	132	0	0	4	0	128	GPS (Garmin)
10	Sec.36/T39/R34	03	233	0	5	6	0	222	GPS (Garmin)
11	Sec.36/T39/R34	03	51	0	0	2	0	49	GPS (Garmin)
TOTAL ACRES			904	0	15	20	0	869	

Revised 03/15/2010 (FRCD)

HARVEST PLAN AND SPECIAL CONDITIONS:

Unit #	Harvest Prescription: (Leave, take, paint color, tags, flagging etc.)	Special Management areas:	Other conditions (# leave trees, etc.)
1	Boundaries marked with blue "Special Management Area" tags, orange flashers & pink flagging. This sale will be cut by prescription. There will be no painted trees within the sale area. See schedule A in the harvest contract. Leave six of the largest trees per acre.	None	Minimum of 6 leave trees will be left per acre. This sale will comply with PR 14-006-091.
2	Boundaries marked with blue "Special Management Area" tags, orange flashers & pink flagging. This sale will be cut by prescription. There will be no painted trees within the sale area. See schedule A in the harvest contract. Leave six of the largest trees per acre.	None	Minimum of 6 leave trees will be left per acre. This sale will comply with PR 14-006-091.
3	Boundaries marked with blue "Special Management Area" tags, orange flashers & pink flagging. This sale will be cut by prescription. There will be no painted trees within the sale area. See schedule A in the harvest contract. Leave six of the largest trees per acre.	None	Minimum of 6 leave trees will be left per acre. This sale will comply with PR 14-006-091.
4	Boundaries marked with blue "Special Management Area" tags, orange flashers & pink flagging. This sale will be cut by prescription. There will be no painted trees within the sale area. See schedule A in the harvest contract. Leave six of the largest trees per acre.	None	Minimum of 6 leave trees will be left per acre. This sale will comply with PR 14-006-091.
5	Boundaries marked with blue "Special Management Area" tags, orange flashers & pink flagging. This sale will be cut by prescription. There will be no painted trees within the sale area. See schedule A in the harvest contract. Leave six of the largest trees per acre.	None	Minimum of 6 leave trees will be left per acre. This sale will comply with PR 14-006-091.
6	Boundaries marked with blue "Special Management Area" tags, orange flashers & pink flagging. This sale will be cut by prescription. There will be no painted trees within the sale area. See schedule	None	Minimum of 6 leave trees will be left per acre. This sale will comply with PR 14-006-091.

	A in the harvest contract. Leave six of the largest trees per acre.		
7	Boundaries marked with blue "Special Management Area" tags, orange flashers & pink flagging. This sale will be cut by prescription. There will be no painted trees within the sale area. See schedule A in the harvest contract. Leave six of the largest trees per acre.	None	Minimum of 6 leave trees will be left per acre. This sale will comply with PR 14-006-091.
8	Boundaries marked with blue "Special Management Area" tags, orange flashers & pink flagging. This sale will be cut by prescription. There will be no painted trees within the sale area. See schedule A in the harvest contract. Leave six of the largest trees per acre.	None	Minimum of 6 leave trees will be left per acre. This sale will comply with PR 14-006-091.
9	Boundaries marked with blue "Special Management Area" tags, orange flashers & pink flagging. This sale will be cut by prescription. There will be no painted trees within the sale area. See schedule A in the harvest contract. Leave six of the largest trees per acre.	None	Minimum of 6 leave trees will be left per acre. This sale will comply with PR 14-006-091.
10	Boundaries marked with blue "Special Management Area" tags, orange flashers & pink flagging. This sale will be cut by prescription. There will be no painted trees within the sale area. See schedule A in the harvest contract. Leave six of the largest trees per acre.	None	Minimum of 6 leave trees will be left per acre. This sale will comply with PR 14-006-091.
11	Boundaries marked with blue "Special Management Area" tags, orange flashers & pink flagging. This sale will be cut by prescription. There will be no painted trees within the sale area. See schedule A in the harvest contract. Leave six of the largest trees per acre.	None	Minimum of 6 leave trees will be left per acre. This sale will comply with PR 14-006-091.

OTHER PRE-CRUISE INFORMATION:

Unit #	Primary,secondary Species / Estimated Volume (MBF)	Access information (Gates, locks, etc.)	Photos, traverse maps required
1	DF, WL / 50	Access from E393435K	Region provided maps

2	DF, WL / 132	Access from E393435E	Region provided maps
3	DF, WL / 257	Access from E393435H	Region provided maps
4	DF, WL / 716	Access from E393427J	Region provided maps
5	DF, WL / 223	Access from E393427J	Region provided maps
6	DF, WL / 173	Access from E393424E	Region provided maps
7	DF, WL / 1,337	Access from E393421A	Region provided maps
8	DF, WL / 488	Access from E393436E	Region provided maps
9	DF, WL / 582	Access from E393424E	Region provided maps
10	DF, WL / 1,321	Access from E393424H	Region provided maps
11	DF, WL / 326	Access from E393413E	Region provided maps
TOTAL MBF	5,605		

REMARKS:

All volume for this sale is salvage. Ponderosa Pine with 30% live crown or greater and all other conifer species with 50% live crown or greater will not be harvested.

Prepared By: Andy Townsend Date: 10/27/2015	Title: Highlands	CC:

Cruise Narrative

Sale Name: Alec Fire Salvage FIT	**Region:** Northeast
Agreement Number: 30-093249	**District:** Highlands
Lead Cruiser: Dan Griggs	**Completion Date:** 11/23/2015
Other Cruisers on sale: Jim Putnam, Matt Stonich	**Legal:** Sections 24, 25, 26, 27, 34, 35 and 36, T39N, R34E WM.

Unit Acreage Specifications:

Unit #	Gross Acres	Net Acres	Total Deletions	Existing Roads	Leave Tree Acres	Power Line	Other
1	11.88	11.88	0.00	0.00	0.00	0.00	0.00
2	47.87	46.87	1.00	1.00	0.00	0.00	0.00
3	38.32	38.32	0.00	0.00	0.00	0.00	0.00
4	102.83	92.83	10.00	1.00	9.00	0.00	0.00
5	28.69	26.69	2.00	1.00	1.00	0.00	0.00
6	51.65	48.65	3.00	3.00	0.00	0.00	0.00
7	156.36	155.36	1.00	1.00	0.00	0.00	0.00
8	52.78	51.78	1.00	1.00	0.00	0.00	0.00
9	131.67	127.67	4.00	4.00	0.00	0.00	0.00
10	234.83	223.83	11.00	6.00	5.00	0.00	0.00
11	51.16	49.16	2.00	2.00	0.00	0.00	0.00
Total	908.04	873.04	35.00	20.00	15.00	0.00	0.00

Cruise Sample Design:

This timber sale was cruised using the **variable plot** sampling method. The double basal area system was employed; a small BAF to determine Basal Area (count trees) and a large BAF to determine the Volume-Basal Area Ratio (cruise trees). Each plot was a full plot. Plot locations were created using a computer generated grid, and found using a hand held GPS unit.

Unit #	Small BAF (count)	Large BAF (cruise)	Sighting height	Grid size (plot spacing in feet)	% Cruise to count Target	% Cruise to count Actual	Total number of Plots
1	33.61	33.61	D4H	430 x 430	100%	100%	3
2	33.61	62.50	D4H	430 x 430	53.8%	81.3%	12
3	27.78	27.78	D4H	430 x 430	100%	100%	10
4	33.61	134.44	D4H	430 x 430	25%	21.9%	23
5	33.61	33.61	D4H	430 x 430	100%	100%	6
6	27.78	54.45	D4H	430 x 430	51%	54.5%	12
7	33.61	134.44	D4H	430 x 430	25%	15.5%	38
8	27.78	54.45	D4H	430 x 430	51%	50%	14
9	33.61	134.44	D4H	430 x 430	25%	13.6%	35
10	33.61	111.11	D4H	430 x 430	30%	21%	52
11	33.61	62.50	D4H	430 x 430	53.8%	57.1%	12
Total						31.5%	217

Cruise Specifications:

Minor species cruise intensity:	We grade the first tree of all minor species encountered with the smaller BAF; then followed through with the small BAF to large BAF ratio.
Minimum top dib:	.**All species:** Trees less than 17.5” DBH have a minimum top of 5.6” dib. Trees 17.6” and greater DBH have a minimum top dib of 40% of DOB at 16’or a 6” top whichever is greater.
Minimum dbh:	Ponderosa pine: 8.0 inches DBH All other species: 7.0 inches DBH
Log lengths:	Saw logs: 32 feet where possible, minimum of 12 feet
Take / Leave tree description:	Harvest all fire damaged Ponderosa Pine with less than 30% live crown and all other species with less than 50% live crown remaining that meet the minimum cruise specifications. Leave 6 trees per acre among the largest trees. See Schedule “A” for unit spacing requirements.
Commercial species observed in sale area, but not in cruise:	Lodgepole pine and engelmann spruce
Utility wood:	None
Status codes used:	None
Sort codes used	D – saw log
Species table used:	NE 2 inch
Grade table used:	Eastgrad
Other tables used (cruise adjustment):	Cruise Adjustment table - Alec
Volume reductions	The sales volume was reduced by 16% to account for leave trees, hidden cull and further wood degradation. Volume reduction by species: Western larch – 15% Lodgepole pine – 25% Douglas-fir – 15% Engelmann spruce – 25%

Field Observations:

Location:	This sale is 33 miles northwest of Kettle Falls, WA in northern Ferry County.
Aspect:	North, East, South and West
Elevation:	3600-5040 ft.
Slope:	Unit 1 – 0% to 30%, Average 15% Unit 2 – 0% to 35%, Average 25% Unit 3 – 0% to 30%, Average 25% Unit 4 – 0% to 55%, Average 30% Unit 5 – 15% to 55%, Average 35% Unit 6 – 0% to 35%, Average 20% Unit 7 – 0% to 35%, Average 25% Unit 8 – 10% to 50%, Average 35% Unit 9 – 0% to 45%, Average 30% Unit 10 – 5% to 55%, Average 30% Unit 11 – 0% to 35%, Average 25%
Harvest Methods:	100% Ground base yarding with the longest skidding of 3000 feet.
Stand Composition:	The stands are fire killed, second growth Douglas-fir, western larch and lodgepole pine with larger residual trees. There is a minor component of engelmann spruce and sub-alpine fir.
Stand Health:	The trees in this sale have been killed by the Stickpin Fire which burned in mid-August. Bark beetles are active and the woodpeckers are working on those trees.
Timber Quality:	This sale is a mix of poor quality western larch (50%), Douglas-fir (40%), lodgepole pine (5%), engelmann spruce (4%) and sub-alpine fir(1%).
Non-board Foot Volume:	None
Other Considerations:	This sale will be sold on the tons of logs removed from the sale area. The fire burnt hot through these stands of timber. The small diameter lodgepole pine and engelmann spruce had some of their bark burnt off exposing the wood and degrading the wood fiber.

Trust and Counties:

Trust 03 100% Ferry County

Prepared by: Jim Putnam

Title: Timber Cruiser and Small Sales Forester

CC: Timber Sales Document Center & File # 30-093249

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T39N R34E S24 Ty0U11
THRU
T39N R34E S36 Ty00U8

Project: **ALECFS2**

Acres **873.04**

Page **1**
Date **12/9/2015**
Time **11:47:48AM**

Spp	S T	So rt	Gr ad	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent of Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
WL	D	2		5	19.8	171	137	120			70	30	5	95			31	15	247	2.22	.6
WL	D	3		64	17.0	1,975	1,640	1,432		97	3		0	100			32	7	58	0.49	28.3
WL	D	4		31	20.8	988	782	683		99		1	41	59			21	6	22	0.29	35.3
WL	**Totals**			50	18.3	3,134	2,560	2,235		93	5	2	13	87			26	7	40	0.42	64.1
LP	D	3		41	31.0	152	105	91		100				100			31	7	51	0.40	2.1
LP	D	4		59	25.0	195	146	128		100			93	7			16	6	14	0.20	10.6
LP	**Totals**			5	27.6	347	251	219		100			54	46			18	6	20	0.26	12.7
DF	D	2		22	23.8	618	471	411			94	6		100			32	15	238	2.06	2.0
DF	D	3		56	18.1	1,406	1,152	1,006		98	2			100			32	9	92	0.84	12.5
DF	D	4		22	27.5	617	447	391		100			64	36			17	6	18	0.36	25.2
DF	**Totals**			40	21.6	2,641	2,070	1,807		76	22	1	14	86			23	7	52	0.70	39.7
ES	D	3		78	25.9	204	151	132		100				100			32	8	65	0.38	2.3
ES	D	4		22	25.0	55	41	36		100			74	26			17	6	18	0.21	2.3
ES	**Totals**			4	25.7	259	192	168		100			16	84			25	7	41	0.32	4.7
AF	D	2		32	20.6	17	14	12				100		100			32	21	540	3.66	.0
AF	D	3		56	45.2	43	24	21		100				100			32	8	56	0.53	.4
AF	D	4		12	46.0	9	5	4		100			100				16	6	11	0.22	.4
AF	**Totals**			1	39.2	69	42	37		68		32	12	88			24	7	48	0.55	.9
Totals					20.7	6,450	5,115	4,466		86	12	2	15	85			24	7	42	0.49	122.1

TC PSTATS

PROJECT STATISTICS

PROJECT ALECFS2

DATE 12/9/2015

TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
39N	34E	24	ALEC FIRE	0U11	THR	873.04	217	406	S	E
39N	34E	36	ALEC FIRE	00U8						

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	217	406	1.9		
CRUISE	86	126	1.5	80,340	.2
DBH COUNT					
REFOREST COUNT	84	183	2.2		
BLANKS	47				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
W LARCH	72	48.0	10.5	73	8.9	29.0	3,134	2,560	702	699
DOUG FIR	39	29.5	12.7	57	7.3	26.0	2,641	2,070	641	627
LP PINE	7	11.5	8.4	67	1.5	4.4	347	251	81	59
ALP FIR	5	.7	13.0	57	0.2	.6	69	42	16	12
E SPRUCE	3	2.3	11.0	86	0.5	1.5	259	192	49	37
TOTAL	*126*	*92.0*	*11.1*	*67*	*18.5*	*61.5*	*6,450*	*5,115*	*1,488*	*1,434*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	**SAMPLE TREES - BF** LOW	AVG	HIGH	# OF TREES REQ. 5	7	INF. POP. 10
W LARCH	121.2	14.4	110	128	147			
DOUG FIR	119.9	19.5	101	125	150			
LP PINE	86.8	35.4	17	27	36			
ALP FIR	180.7	89.9	18	180	342			
E SPRUCE	44.6	30.9	73	105	137			
TOTAL	*127.7*	*11.5*	*109*	*123*	*137*	*652*	*333*	*163*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	**TREES/ACRE** LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
W LARCH	123.6	8.4	44	48	52			
DOUG FIR	163.5	11.1	26	30	33			
LP PINE	294.0	20.0	9	11	14			
ALP FIR	1116.4	75.8	0	1	1			
E SPRUCE	638.3	43.3	1	2	3			
TOTAL	*75.6*	*5.1*	*87*	*92*	*97*	*229*	*117*	*57*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	**BASAL AREA/ACRE** LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
W LARCH	111.1	7.5	27	29	31			
DOUG FIR	171.3	11.6	23	26	29			
LP PINE	299.1	20.3	3	4	5			
ALP FIR	1213.4	82.4	0	1	1			
E SPRUCE	590.7	40.1	1	2	2			
TOTAL	*76.6*	*5.2*	*58*	*62*	*65*	*235*	*120*	*59*

CL 68.1 SD: 1.0	COEFF VAR.%	S.E.%	**NET BF/ACRE** LOW	AVG	HIGH	# OF PLOTS REQ. 5	7	INF. POP. 10
W LARCH	112.1	7.6	2,365	2,560	2,755			
DOUG FIR	218.5	14.8	1,763	2,070	2,377			
LP PINE	340.8	23.1	193	251	309			
ALP FIR	1172.4	79.6	9	42	76			
E SPRUCE	597.2	40.5	114	192	270			
TOTAL	*95.7*	*6.5*	*4,783*	*5,115*	*5,447*	*367*	*187*	*92*

PROJECT STATISTICS

PROJECT ALECFS2

TWP	RGE	SC	TRACT	TYPE		ACRES	PLOTS	TREES	CuFt	BdFt
39N	34E	24	ALEC FIRE	0U11	THR	873.04	217	406	S	E
39N	34E	36	ALEC FIRE	00U8						

CL 68.1	COEFF		V BAR/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH			81	88	95			
DOUG FIR			68	80	92			
LP PINE	119.7	8.1	44	57	71			
ALP FIR	1172.4	79.6	14	69	124			
E SPRUCE	213.0	14.5	75	125	176			
TOTAL	*94.3*	*6.4*	*78*	*83*	*89*	*356*	*182*	*89*

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ALECFS2

Date 12/9/2015

Time 11:47:48AM

T39N R34E S36 T00U1

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
39N	34E	36	ALEC FIRE	00U1	11.88	3	2	S	E

T39N R34E S36 T00U1

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
LP		D	4	100	25.0	963	722	9		100				100			24	6	22	0.20	32.1
LP	**Totals**			52	25.0	963	722	9		100				100			24	6	22	0.20	32.1
DF		D	4	100	15.0	796	676	8		100				100			24	6	26	0.32	26.5
DF	**Totals**			48	15.0	796	676	8		100				100			24	6	26	0.32	26.5
Type Totals					20.5	1,759	1,399	17		100				100			24	6	24	0.26	58.6

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ALECFS2

Date 12/9/2015

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T39N R34E S36 T00U2

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
39N	34E	36	ALEC FIRE	00U2	46.87	12	13	S	E

T39N R34E S36 T00U2

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
WL		D	2	35	16.6	1,541	1,286	60			63	37		100			32	16	301	2.65	4.3
WL		D	3	52	15.6	2,221	1,875	88		93	7		1	99			32	8	67	0.57	27.8
WL		D	4	13	47.7	837	438	21		63		37	33	67			20	7	29	0.65	15.1
WL		**Totals**		79	21.8	4,599	3,599	169		56	26	18	4	96			28	8	76	0.80	47.2
DF		D	2	45	15.0	512	436	20			100			100			32	12	162	1.18	2.7
DF		D	3	48	20.4	572	455	21		100				100			32	8	72	0.73	6.4
DF		D	4	7	15.0	73	62	3		100			100				20	6	17	0.27	3.7
DF		**Totals**		21	17.7	1,158	953	45		54	46		7	93			29	8	75	0.74	12.7
Type Totals					20.9	5,757	4,552	213		56	30	14	5	95			28	8	76	0.79	60.0

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Species, Sort Grade - Board Foot Volumes (Type)

Project: ALECFS2

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T39N R34E S36 T00U3

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
39N	34E	36	ALEC FIRE	00U3	38.32	10	15	S	E

T39N R34E S36 T00U3

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
WL		D	2	54	27.6	1,240	897	34			62	38	17	83			29	15	208	1.86	4.3
WL		D	3	30	42.5	852	490	19		100				100			32	8	52	0.36	9.5
WL		D	4	16	15.0	290	246	9		100			78	22			20	6	19	0.30	13.0
WL	**Totals**			44	31.4	2,381	1,633	63		45	34	21	21	79			26	8	61	0.61	26.8
AF		D	2	32	20.6	393	312	12				100		100			32	21	540	3.66	.6
AF		D	3	56	45.2	981	537	21		100				100			32	8	56	0.53	9.5
AF		D	4	12	46.0	209	113	4		100			100				16	6	11	0.22	10.0
AF	**Totals**			26	39.2	1,582	962	37		68		32	12	88			24	7	48	0.55	20.1
DF		D	2	20	15.0	264	225	9			100			100			32	13	204	1.90	1.1
DF		D	3	72	21.6	983	771	30		100				100			32	8	78	0.64	9.9
DF		D	4	8	15.0	102	87	3		100			100				18	6	17	0.35	5.1
DF	**Totals**			29	19.8	1,349	1,083	41		79	21		8	92			27	8	67	0.68	16.1
Type Totals					30.8	5,313	3,678	141		61	21	18	15	85			26	8	58	0.61	62.9

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ALECFS2

Date 12/9/2015

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T39N R34E S35 T00U4

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
39N	34E	35	ALEC FIRE	00U4	92.83	23	9	S	E

T39N R34E S35 T00U4

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
WL		D	3	59	15.0	2,162	1,837	171		100				100			32	7	50	0.39	37.0
WL		D	4	41	15.0	1,460	1,241	115		100			43	57			22	6	26	0.26	48.1
WL	**Totals**			81	15.0	3,622	3,079	286		100			17	83			26	6	36	0.33	85.1
DF		D	4	100	15.0	352	299	28		100			100				12	6	9	0.23	35.2
DF	**Totals**			8	15.0	352	299	28		100			100				12	6	9	0.23	35.2
LP		D	3	68	25.0	398	299	28		100				100			30	6	38	0.20	8.0
LP		D	4	32	25.0	181	136	13		100			100				16	6	15	0.20	9.0
LP	**Totals**			11	25.0	579	434	40		100			31	69			23	6	26	0.20	17.0
Type Totals					16.3	4,553	3,812	354		100			25	75			22	6	28	0.30	137.3

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ALECFS2

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T39N R34E S26 T00U5

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
39N	34E	26	ALEC FIRE	00U5	26.69	6	10	S	E

T39N R34E S26 T00U5

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
WL		D	3	85	16.3	5,063	4,238	113		100				100			32	8	70	0.61	60.7
WL		D	4	15	15.0	850	723	19		100			74	26			17	6	20	0.29	35.9
WL	**Totals**			87	16.1	5,913	4,961	132		100			11	89			27	7	51	0.53	96.6
DF		D	3	54	15.0	483	411	11		100				100			32	7	59	0.59	6.9
DF		D	4	46	15.0	411	349	9		100				100			28	6	34	0.43	10.3
DF	**Totals**			13	15.0	894	760	20		100				100			30	6	44	0.50	17.2
Type Totals					16.0	6,807	5,721	153		100			9	91			27	7	50	0.53	113.8

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ALECFS2

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T39N R34E S35 T00U6

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
39N	34E	35	ALEC FIRE	00U6	48.65	12	6	S	E

T39N R34E S35 T00U6

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
WL		D	3	66	15.0	1,822	1,549	75		71	29			100			32	11	129	1.16	12.0
WL		D	4	34	15.0	933	793	39		100			35	65			19	6	28	0.35	28.4
WL	**Totals**			81	15.0	2,755	2,342	114		81	19		12	88			23	8	58	0.68	40.4
DF		D	3	82	15.0	516	438	21		100				100			32	10	119	1.16	3.7
DF		D	4	18	15.0	110	94	5		100			100				16	7	25	0.41	3.7
DF	**Totals**			19	15.0	626	532	26		100			18	82			24	9	72	0.91	7.4
Type Totals					15.0	3,381	2,874	140		84	16		13	87			23	8	60	0.72	47.8

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ALECFS2

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T39N R34E S36 T00U7

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
39N	34E	36	ALEC FIRE	00U7	155.36	38	16	S	E

T39N R34E S36 T00U7

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
WL		D	3	63	16.7	2,723	2,269	353		100				100			32	8	62	0.53	36.4
WL		D	4	37	26.5	1,811	1,331	207		100			28	72			22	6	20	0.30	66.0
WL	**Totals**			41	20.6	4,534	3,601	559		100			10	90			26	7	35	0.40	102.4
DF		D	2	39	23.0	2,468	1,901	295			100			100			32	15	247	2.06	7.7
DF		D	3	54	15.0	2,991	2,542	395		100				100			32	9	96	0.78	26.5
DF		D	4	7	15.0	376	319	50		100			100				16	6	17	0.32	18.8
DF	**Totals**			54	18.4	5,835	4,763	740		60	40		7	93			26	9	90	0.91	53.0
LP		D	3	80	33.3	614	410	64		100				100			32	8	60	0.53	6.8
LP		D	4	20	25.0	137	102	16		100			100				16	6	15	0.20	6.8
LP	**Totals**			6	31.8	751	512	80		100			20	80			24	7	37	0.42	13.7
Type Totals					20.2	11,120	8,876	1,379		79	21		9	91			26	7	53	0.57	169.0

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ALECFS2

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T39N R34E S36 T00U8

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
39N	34E	36	ALEC FIRE	00U8	51.78	14	17	S	E

T39N R34E S36 T00U8

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		D	2	45	28.8	2,353	1,674	87			74	26		100			32	15	242	2.38	6.9
DF		D	3	31	20.7	1,433	1,136	59		74	26			100			32	8	79	0.80	14.4
DF		D	4	24	23.8	1,145	873	45		100			65	35			18	6	21	0.36	42.4
DF	**Totals**			72	25.3	4,931	3,683	191		47	42	12	15	85			23	8	58	0.81	63.7
WL		D	2	38	15.0	575	489	25			100			100			32	14	209	1.98	2.3
WL		D	3	41	22.9	660	509	26		64	36			100			32	7	61	0.60	8.3
WL		D	4	21	38.1	426	263	14		100				100			29	7	37	0.45	7.2
WL	**Totals**			25	24.0	1,662	1,262	65		47	53			100			31	8	71	0.73	17.8
ES		D	3	75	38.6	230	141	7		100				100			32	9	68	0.57	2.1
ES		D	4	25	25.0	63	47	2		100			100				16	7	23	0.27	2.1
ES	**Totals**			4	35.7	292	188	10		100			25	75			24	8	45	0.47	4.2
Type Totals					25.4	6,885	5,133	266		49	43	9	12	88			25	8	60	0.77	85.7

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ALECFS2

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T39N R34E S25 T00U9

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
39N	34E	25	ALEC FIRE	00U9	127.67	35	10	S	E

T39N R34E S25 T00U9

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
WL		D	3	78	15.0	2,186	1,858	237		100				100			32	7	47	0.38	39.7
WL		D	4	22	15.0	583	496	63		100			17	83			19	6	19	0.31	26.1
WL	**Totals**			63	15.0	2,769	2,354	301		100			4	96			27	6	36	0.36	65.8
DF		D	3	37	33.9	506	335	43		100				100			32	8	59	0.87	5.6
DF		D	4	63	50.2	1,124	559	71		100			45	55			18	6	13	0.29	42.7
DF	**Totals**			24	45.2	1,630	894	114		100			28	72			20	6	19	0.40	48.3
LP		D	4	100	25.0	148	111	14		100			100				12	6	8	0.24	14.8
LP	**Totals**			3	25.0	148	111	14		100			100				12	6	8	0.24	14.8
ES		D	3	80	25.0	410	307	39		100				100			32	11	128	0.71	2.4
ES		D	4	20	25.0	96	72	9		100				100			24	6	30	0.32	2.4
ES	**Totals**			10	25.0	506	380	48		100				100			28	9	79	0.54	4.8
Type Totals					26.0	5,054	3,739	477		100			12	88			23	6	28	0.37	133.8

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

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T39N R34E S25 T0U10

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
39N	34E	25	ALEC FIRE	0U10	223.83	52	19	S	E

T39N R34E S25 T0U10

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF		D	3	71	18.3	2,330	1,902	426		100				100			32	9	98	0.93	19.4
DF		D	4	29	20.6	948	753	169		100			59	41			18	6	24	0.48	31.4
DF	**Totals**			53	19.0	3,278	2,655	594		100			17	83			24	7	52	0.71	50.8
WL		D	3	69	18.3	1,353	1,106	247		100				100			32	7	54	0.48	20.5
WL		D	4	31	15.0	560	476	107		100			77	23			19	6	20	0.26	24.1
WL	**Totals**			32	17.3	1,913	1,582	354		100			23	77			25	7	35	0.39	44.6
LP		D	4	100	25.0	337	253	57		100			100				16	6	15	0.19	16.9
LP	**Totals**			5	25.0	337	253	57		100			100				16	6	15	0.19	16.9
ES		D	3	77	25.0	508	381	85		100				100			32	7	53	0.30	7.3
ES		D	4	23	25.0	145	109	24		100			100				16	6	15	0.17	7.3
ES	**Totals**			10	25.0	653	490	110		100			22	78			24	7	34	0.26	14.5
Type Totals					19.4	6,180	4,979	1,115		100			23	77			23	7	39	0.49	126.8

T TSPCSTGR

Species, Sort Grade - Board Foot Volumes (Type)

Project: ALECFS2

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T39N R34E S24 T0U11

Twp	Rge	Sec	Tract	Type	Acres	Plots	Sample Trees	CuFt	BdFt
39N	34E	24	ALEC FIRE	0U11	49.16	12	9	S	E

T39N R34E S24 T0U11

Spp	ST	Sort	Grade	% Net BdFt	Bd. Ft. per Acre Def%	Gross	Net	Total Net MBF	Percent Net Board Foot Volume: Log Scale Dia. 4-5	6-11	12-16	17+	Log Length 12-20	21-32	33-55	56-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
WL		D	3	53	17.2	2,529	2,093	103		100				100			31	8	62	0.51	34.0
WL		D	4	47	15.0	2,137	1,816	89		100			42	58			21	6	26	0.26	69.6
WL	**Totals**			91	16.2	4,666	3,909	192		100			20	80			24	7	38	0.36	103.6
LP		D	4	100	25.0	533	400	20		100			100				16	6	15	0.20	26.7
LP	**Totals**			9	25.0	533	400	20		100			100				16	6	15	0.20	26.7
Type Totals					17.1	5,199	4,309	212		100			27	73			23	6	33	0.34	130.3

TC PSPCTLTCM

Species Summary - Trees, Logs, Tons, CCF, MBF

T39N R34E S24 Ty0U11	49.1
T39N R34E S25 Ty00U9	127.6
T39N R34E S36 Ty00U	51.7

Project ALECFS2
Acres 873.04

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Species	S T	Total Trees	Total Logs	Total Tons	Net Cubic Ft/ Tree	Net Cubic Ft/ Log	CF/ LF	Total CCF Gross	Total CCF Net	Total MBF Gross	Total MBF Net
W LARCH		41,931	56,822	14,711	14.55	10.74	0.42	6,130	6,101	2,736	2,235
DOUG FIR		25,788	34,679	15,940	21.24	15.80	0.69	5,593	5,478	2,306	1,807
LP PINE		10,000	11,061	1,688	5.17	4.68	0.26	703	517	303	219
E SPRUCE		2,040	4,080	1,113	15.75	7.87	0.32	428	321	226	168
ALP FIR		581	769	343	17.32	13.09	0.55	137	101	61	37
Totals		80,340	107,410	33,795	15.58	11.65	0.49	12,991	12,518	5,631	4,466

Wood Type Species	Total Trees	Total Logs	Total Tons	Net Cubic Ft/ Tree	Net Cubic Ft/ Log	CF/ LF	Total CCF Gross	Total CCF Net	Total MBF Gross	Total MBF Net
C	80,340	107,410	33,795	15.58	11.65	0.49	12,991	12,518	5,631	4,466
Totals	80,340	107,410	33,795	15.58	11.65	0.49	12,991	12,518	5,631	4,466

TC PLOGSTVB

Log Stock Table - MBF

T39N R34E S24 Ty0U11
THRU
T39N R34E S36 Ty00U8

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Acres 873.04

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Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-4	5-6	7-10	11-12	13-14	15-16	17-18	19-20	21-23	24-29	30-39	40+
WL		D	2	20	8	26.1	6	.3							6					
WL		D	2	32	142	19.4	114	5.1				6	45	33	7	10	13			
WL		D	3	14	1	15.0	1	.0			1									
WL		D	3	24	11	15.0	10	.4			10									
WL		D	3	30	2	15.0	2	.1			2									
WL		D	3	32	1,710	17.0	1,420	63.5		345	972	103								
WL		D	4	12	23	15.0	19	.9		19										
WL		D	4	14	79	15.0	67	3.0		66	0									
WL		D	4	16	106	16.3	88	4.0		87	1									
WL		D	4	18	35	15.0	30	1.3		30										
WL		D	4	20	90	16.2	75	3.4		72	4									
WL		D	4	22	73	15.0	62	2.8		62										
WL		D	4	24	79	16.6	66	3.0		59	7									
WL		D	4	26	105	15.0	89	4.0		55	34									
WL		D	4	28	8	15.0	7	.3		7										
WL		D	4	30	86	15.0	73	3.3		73										
WL		D	4	32	180	40.9	106	4.8		82	14	4			8					
WL		Totals			2,736	18.3	2,235	50.0		957	1044	112	45	33	21	10	13			
LP		D	3	30	37	25.0	28	12.7		28										
LP		D	3	32	95	33.3	64	29.1			64									
LP		D	4	12	19	25.0	14	6.5		14										
LP		D	4	16	140	25.0	105	47.8		105										
LP		D	4	24	11	25.0	9	3.9		9										
LP		Totals			303	27.6	219	4.9		155	64									
DF		D	2	32	539	23.8	411	22.7				20	24	344		23				
DF		D	3	30	3	15.0	3	.2		3										
DF		D	3	32	1,224	18.1	1,003	55.5			896	91		15						
DF		D	4	12	33	15.0	28	1.5		28										
DF		D	4	14	112	51.3	55	3.0		55										
DF		D	4	16	165	15.0	141	7.8		125	16									
DF		D	4	18	25	15.0	21	1.2			21									
DF		D	4	20	5	15.0	5	.3		5										
DF		D	4	24	67	22.7	52	2.9		48	4									
DF		D	4	28	25	15.0	21	1.2		21										
DF		D	4	32	106	35.3	69	3.8		39	29									

TC PLOGSTVB

Log Stock Table - MBF

T39N R34E S24 Ty0U11
THRU
T39N R34E S36 Ty00U8

Project: ALECFS2
Acres 873.04

Date 12/9/2015
Time 11:47:48AM

Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-4	5-6	7-10	11-12	13-14	15-16	17-18	19-20	21-23	24-29	30-39	40+
DF		Totals			2,306	21.6	1,807	40.5		323	966	112	24	359		23				
ES		D	3	32	178	25.9	132	78.5			93	39								
ES		D	4	16	36	25.0	27	16.0		24	2									
ES		D	4	24	12	25.0	9	5.5		9										
ES		Totals			226	25.7	168	3.8		34	95	39								
AF		D	2	32	15	20.6	12	32.4									12			
AF		D	3	32	38	45.2	21	55.9			21									
AF		D	4	12	1	100.0														
AF		D	4	14	4		4	11.7		4										
AF		D	4	26	3	100.0														
AF		Totals			61	39.2	37	.8		4	21						12			
Total		All Species			5,631	20.7	4,466	100.0		1473	2190	263	70	392	21	33	25			

TC PLOGSTVT_SED

Project Log Stock Table - TONS(SED)

T39N R34E S24 Ty0U11
THRU
T39N R34E S36 Ty00U8

Project: ALECFS2
Acres 873.04

Page 1
Date 12/9/2015
Time 11:47:49AM

Spp	ST	Sort	Grade	Log Len	SED	TONS	Tons by Scaling Diameter in Inches 2-4	5-6	7-10	11-12	13-14	15-16	17-18	19-20	21-23	24-29	30-39	40+
WL		D	2	20	17.0	39							39					
WL		D	2	32	14.9	770				31	260	238	61	90	90			
WL		D	3	14	9.0	6			6									
WL		D	3	24	7.0	59			59									
WL		D	3	30	7.0	13			13									
WL		D	3	32	7.7	9,278		2256	6307	715								
WL		D	4	12	6.0	177		177										
WL		D	4	14	6.0	322		317	5									
WL		D	4	16	6.0	508		501	8									
WL		D	4	18	6.0	175		175										
WL		D	4	20	6.1	556		524	31									
WL		D	4	22	6.0	377		377										
WL		D	4	24	6.1	477		440	38									
WL		D	4	26	6.3	644		388	256									
WL		D	4	28	6.0	44		44										
WL		D	4	30	6.0	354		354										
WL		D	4	32	6.3	912		676	114	36			85					
Graded						14711		6231	6835	782	260	238	185	90	90			
WL		Totals			7.0	14,711		6231	6835	782	260	238	185	90	90			
LP		D	3	30	6.0	145		145										
LP		D	3	32	8.0	578			578									
LP		D	4	12	6.0	174		174										
LP		D	4	16	6.0	731		731										
LP		D	4	24	6.0	60		60										
Graded						1688		1111	578									
LP		Totals			6.1	1,688		1111	578									
DF		D	2	32	14.5	3,234				136	229	2710		158				
DF		D	3	30	6.0	20		20										
DF		D	3	32	8.5	8,393			7770	543		80						
DF		D	4	12	6.0	259		259										
DF		D	4	14	6.0	656		656										
DF		D	4	16	6.1	1,228		1115	113									
DF		D	4	18	9.0	323			323									
DF		D	4	20	6.0	47		47										
DF		D	4	24	6.2	508		440	68									

TC PLOGSTVT_SED

Project Log Stock Table - TONS(SED)

T39N R34E S24 Ty0U11
THRU
T39N R34E S36 Ty00U8

Project: ALECFS2
Acres 873.04

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Date 12/9/2015
Time 11:47:49AM

Spp	ST	Sort	Grade	Log Len	SED	TONS	Tons by Scaling Diameter in Inches 2-4	5-6	7-10	11-12	13-14	15-16	17-18	19-20	21-23	24-29	30-39	40+
DF		D	4	28	6.0	232		232										
DF		D	4	32	6.3	1,041		515	526									
Graded						15940		3283	8800	680	229	2790		158				
DF		Totals			7.2	15,940		3283	8800	680	229	2790		158				
ES		D	3	32	8.2	859			617	242								
ES		D	4	16	6.2	173		157	16									
ES		D	4	24	6.0	82		82										
Graded						1113		239	633	242								
ES		Totals			7.2	1,113		239	633	242								
AF		D	2	32	21.0	65									65			
AF		D	3	32	8.2	219			154	66								
AF		D	4	12	6.0	8		8										
AF		D	4	14	6.0	32		32										
AF		D	4	26	6.0	19		19										
Graded						343		59	154	66					65			
AF		Totals			7.5	343		59	154	66					65			
Total		All Species				33,795		10922	16999	1769	490	3028	185	248	154			

TC TSTATS

STATISTICS

PROJECT ALECFS2

DATE 12/9/2015

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
39N	34E	36	ALEC FIRE	00U1	11.88	3	2	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	3	2	.7		
CRUISE	2	2	1.0	696	.3
DBH COUNT					
REFOREST COUNT					
BLANKS	1				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
LP PINE	1	32.1	8.0	65	4.0	11.2	963	722	210	158
DOUG FIR	1	26.5	8.8	70	3.8	11.2	796	676	203	203
TOTAL	*2*	*58.6*	*8.4*	*67*	*7.7*	*22.4*	*1,759*	*1,399*	*413*	*361*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			# OF TREES REQ.		
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	0		
LP PINE								
DOUG FIR								
TOTAL	*8.8*	*8.3*	*22*	*24*	*26*	*5*	*3*	*1*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
LP PINE	173.2	120.0		32	71			
DOUG FIR	173.2	120.0		27	58			
TOTAL	*87.8*	*60.8*	*23*	*59*	*94*	*443*	*226*	*111*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
LP PINE	173.2	120.0		11	25			
DOUG FIR	173.2	120.0		11	25			
TOTAL	*86.6*	*60.0*	*9*	*22*	*36*	*432*	*220*	*108*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
LP PINE	173.2	120.0		722	1,588			
DOUG FIR	173.2	120.0		676	1,488			
TOTAL	*86.7*	*60.1*	*558*	*1,399*	*2,239*	*433*	*221*	*108*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
LP PINE	173.2	120.0		64	142			
DOUG FIR	173.2	120.0		60	133			
TOTAL	*86.7*	*60.1*	*25*	*62*	*100*	*433*	*221*	*108*

TC TSTATS

STATISTICS

PROJECT ALECFS2

DATE 12/9/2015

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
39N	34E	36	ALEC FIRE	00U2	46.87	12	16	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	12	16	1.3		
CRUISE	8	13	1.6	1,663	.8
DBH COUNT					
REFOREST COUNT					
BLANKS	4				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
W LARCH	11	29.1	15.1	67	9.4	36.4	4,599	3,599	1,061	1,059
DOUG FIR	2	6.4	15.6	87	2.1	8.4	1,158	953	270	270
TOTAL	*13*	*35.5*	*15.2*	*71*	*11.5*	*44.8*	*5,757*	*4,552*	*1,331*	*1,328*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	97.7	30.9	194	281	368			
DOUG FIR	67.0	62.8	60	162	263			
TOTAL	*97.7*	*28.2*	*189*	*263*	*337*	*413*	*211*	*103*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	81.1	24.4	22	29	36			
DOUG FIR	248.6	74.9	2	6	11			
TOTAL	*78.6*	*23.7*	*27*	*35*	*44*	*269*	*137*	*67*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	61.7	18.6	30	36	43			
DOUG FIR	248.6	74.9	2	8	15			
TOTAL	*66.6*	*20.1*	*36*	*45*	*54*	*193*	*99*	*48*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	71.5	21.5	2,824	3,599	4,373			
DOUG FIR	248.6	74.9	239	953	1,668			
TOTAL	*71.4*	*21.5*	*3,573*	*4,552*	*5,531*	*222*	*113*	*56*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	59.6	18.0	78	99	120			
DOUG FIR	217.4	65.5	28	113	198			
TOTAL	*116.5*	*35.1*	*80*	*102*	*123*	*592*	*302*	*148*

TC TSTATS

STATISTICS

PROJECT ALECFS2

DATE 12/9/2015

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
39N	34E	36	ALEC FIRE	00U3	38.32	10	15	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	10	15	1.5		
CRUISE	7	15	2.1	1,696	.9
DBH COUNT					
REFOREST COUNT					
BLANKS	3				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
W LARCH	6	19.2	12.6	72	4.7	16.7	2,381	1,633	481	425
ALP FIR	5	15.2	13.0	57	3.9	13.9	1,582	962	358	263
DOUG FIR	4	9.9	14.3	68	2.9	11.1	1,349	1,083	301	301
TOTAL	*15*	*44.3*	*13.1*	*66*	*11.5*	*41.7*	*5,313*	*3,678*	*1,140*	*989*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	101.1	45.1	129	235	341			
ALP FIR	180.7	89.9	18	180	342			
DOUG FIR	67.1	38.4	85	138	191			
TOTAL	*121.7*	*32.5*	*129*	*191*	*253*	*635*	*324*	*159*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	169.3	56.4	8	19	30			
ALP FIR	230.1	76.6	4	15	27			
DOUG FIR	187.6	62.5	4	10	16			
TOTAL	*98.9*	*32.9*	*30*	*44*	*59*	*434*	*221*	*109*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	140.5	46.8	9	17	24			
ALP FIR	253.9	84.6	2	14	26			
DOUG FIR	174.8	58.2	5	11	18			
TOTAL	*90.3*	*30.1*	*29*	*42*	*54*	*362*	*184*	*90*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	151.7	50.5	808	1,633	2,459			
ALP FIR	243.8	81.2	181	962	1,743			
DOUG FIR	178.7	59.5	438	1,083	1,727			
TOTAL	*93.8*	*31.3*	*2,528*	*3,678*	*4,828*	*391*	*199*	*98*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	151.7	50.5	48	98	148			
ALP FIR	243.8	81.2	13	69	126			
DOUG FIR	178.7	59.5	39	97	155			
TOTAL	*93.8*	*31.3*	*61*	*88*	*116*	*391*	*199*	*98*

TC TSTATS

STATISTICS

PROJECT ALECFS2

DATE 12/9/2015

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
39N	34E	35	ALEC FIRE	00U4	92.83	23	36	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	23	36	1.6		
CRUISE	6	9	1.5	11,886	.1
DBH COUNT					
REFOREST COUNT	11	24	2.2		
BLANKS	6				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
W LARCH	5	75.8	9.2	76	11.6	35.1	3,622	3,079	734	734
DOUG FIR	2	35.2	7.3	44	3.8	10.2	352	299	98	98
LP PINE	2	17.0	7.9	68	2.1	5.8	579	434	105	78
TOTAL	*9*	*128.0*	*8.6*	*66*	*17.5*	*51.1*	*4,553*	*3,812*	*937*	*911*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	46.5	23.1	35	46	57			
DOUG FIR								
LP PINE	60.6	56.8	11	26	41			
TOTAL	*55.0*	*20.7*	*30*	*37*	*45*	*138*	*70*	*34*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	125.4	26.7	56	76	96			
DOUG FIR	208.6	44.5	20	35	51			
LP PINE	223.1	47.6	9	17	25			
TOTAL	*70.5*	*15.0*	*109*	*128*	*147*	*208*	*106*	*52*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	124.2	26.5	26	35	44			
DOUG FIR	208.6	44.5	6	10	15			
LP PINE	222.8	47.5	3	6	9			
TOTAL	*73.8*	*15.7*	*43*	*51*	*59*	*228*	*116*	*57*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	123.6	26.4	2,267	3,079	3,890			
DOUG FIR	208.6	44.5	166	299	432			
LP PINE	232.2	49.5	219	434	649			
TOTAL	*88.5*	*18.9*	*3,093*	*3,812*	*4,532*	*328*	*167*	*82*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH			65	88	111			
DOUG FIR	95.8	20.4	16	29	42			
LP PINE	154.4	32.9	38	74	111			
TOTAL	*536.4*	*114.4*	*60*	*75*	*89*	*12,034*	*6,140*	*3,008*

TC TSTATS

STATISTICS

PROJECT ALECFS2

DATE 12/9/2015

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
39N	34E	26	ALEC FIRE	00U5	26.69	6	10	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	6	10	1.7		
CRUISE	5	10	2.0	1,747	.6
DBH COUNT					
REFOREST COUNT					
BLANKS	1				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
W LARCH	8	48.3	13.0	87	12.4	44.8	5,913	4,961	1,361	1,361
DOUG FIR	2	17.2	10.9	70	3.4	11.2	894	760	254	254
TOTAL	*10*	*65.5*	*12.5*	*83*	*15.8*	*56.0*	*6,807*	*5,721*	*1,615*	*1,615*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH			132	132	132			
DOUG FIR	38.6	36.2	30	47	64			
TOTAL	*31.8*	*11.2*	*101*	*113*	*126*	*45*	*23*	*11*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	102.5	45.7	26	48	70			
DOUG FIR	244.9	109.2		17	36			
TOTAL	*103.4*	*46.1*	*35*	*65*	*96*	*509*	*260*	*127*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	102.5	45.7	24	45	65			
DOUG FIR	244.9	109.2		11	23			
TOTAL	*90.3*	*40.3*	*33*	*56*	*79*	*389*	*198*	*97*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	101.4	45.2	2,718	4,961	7,204			
DOUG FIR	244.9	109.2		760	1,589			
TOTAL	*90.5*	*40.3*	*3,413*	*5,721*	*8,029*	*391*	*199*	*98*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	101.4	45.2	61	111	161			
DOUG FIR	244.9	109.2		68	142			
TOTAL	*90.5*	*40.3*	*61*	*102*	*143*	*391*	*199*	*98*

TC TSTATS

STATISTICS

PROJECT ALECFS2

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TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
39N	34E	35	ALEC FIRE	00U6	48.65	12	11	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	12	11	.9		
CRUISE	4	6	1.5	1,562	.4
DBH COUNT					
REFOREST					
COUNT	3	3	1.0		
BLANKS	5				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
W LARCH	5	28.4	12.8	39	7.1	25.2	2,755	2,342	639	639
DOUG FIR	1	3.7	16.7	78	1.4	5.6	626	532	160	160
TOTAL	*6*	*32.1*	*13.3*	*44*	*8.5*	*30.8*	*3,381*	*2,874*	*799*	*799*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	51.0	25.4	105	141	177			
DOUG FIR								
TOTAL	*45.5*	*20.3*	*113*	*142*	*170*	*99*	*50*	*25*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	142.5	42.9	16	28	41			
DOUG FIR	233.5	70.4	1	4	6			
TOTAL	*120.1*	*36.2*	*20*	*32*	*44*	*629*	*321*	*157*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	115.5	34.8	16	25	34			
DOUG FIR	233.5	70.4	2	6	10			
TOTAL	*86.5*	*26.1*	*23*	*31*	*39*	*326*	*166*	*82*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	114.5	34.5	1,534	2,342	3,150			
DOUG FIR	233.5	70.4	158	532	907			
TOTAL	*85.3*	*25.7*	*2,135*	*2,874*	*3,613*	*317*	*162*	*79*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	58.4	17.6	61	93	125			
DOUG FIR	147.7	44.5	28	95	162			
TOTAL	*224.2*	*67.6*	*69*	*93*	*117*	*2,192*	*1,118*	*548*

TC TSTATS

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TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
39N	34E	36	ALEC FIRE	00U7	155.36	38	104	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	38	104	2.7		
CRUISE	13	16	1.2	17,226	.1
DBH COUNT					
REFOREST COUNT	21	65	3.1		
BLANKS	4				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
W LARCH	13	77.6	10.3	74	14.0	45.1	4,534	3,601	1,056	1,056
DOUG FIR	2	26.5	16.8	71	9.9	40.7	5,835	4,763	1,263	1,263
LP PINE	1	6.8	12.9	79	1.7	6.2	751	512	185	139
TOTAL	*16*	*110.9*	*12.3*	*74*	*26.2*	*92.1*	*11,120*	*8,876*	*2,504*	*2,458*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	68.0	19.6	47	58	70			
DOUG FIR	73.3	68.7	72	230	387			
LP PINE								
TOTAL	*100.2*	*25.9*	*60*	*81*	*102*	*428*	*219*	*107*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	77.5	12.6	68	78	87			
DOUG FIR	186.5	30.3	18	26	35			
LP PINE	305.4	49.5	3	7	10			
TOTAL	*38.0*	*6.2*	*104*	*111*	*118*	*58*	*29*	*14*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	76.1	12.3	40	45	51			
DOUG FIR	186.4	30.2	28	41	53			
LP PINE	305.4	49.5	3	6	9			
TOTAL	*64.5*	*10.5*	*82*	*92*	*102*	*167*	*85*	*42*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	76.6	12.4	3,153	3,601	4,048			
DOUG FIR	186.4	30.2	3,323	4,763	6,203			
LP PINE	305.4	49.5	258	512	766			
TOTAL	*83.8*	*13.6*	*7,669*	*8,876*	*10,082*	*281*	*143*	*70*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH			70	80	90			
DOUG FIR			82	117	152			
LP PINE			42	83	124			
TOTAL	*969.0*	*157.2*	*83*	*96*	*110*	*37,560*	*19,163*	*9,390*

TC TSTATS

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TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
39N	**34E**	**36**	**ALEC FIRE**	**00U8**	51.78	14	33	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	14	33	2.4		
CRUISE	11	17	1.5	3,718	.5
DBH COUNT					
REFOREST COUNT	2	2	1.0		
BLANKS	1				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	11	55.8	12.5	54	13.5	47.6	4,931	3,683	1,204	1,178
W LARCH	5	13.9	14.4	71	4.2	15.9	1,662	1,262	411	399
E SPRUCE	1	2.1	13.2	78	0.5	2.0	292	188	62	47
TOTAL	*17*	*71.8*	*12.9*	*58*	*18.2*	*65.5*	*6,885*	*5,133*	*1,677*	*1,623*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	125.7	39.8	116	192	269			
W LARCH	85.4	42.5	92	160	228			
E SPRUCE								
TOTAL	*115.9*	*29.0*	*126*	*177*	*228*	*571*	*291*	*143*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	108.8	30.2	39	56	73			
W LARCH	132.5	36.7	9	14	19			
E SPRUCE	374.2	103.7		2	4			
TOTAL	*64.4*	*17.8*	*59*	*72*	*85*	*178*	*91*	*45*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	92.7	25.7	35	48	60			
W LARCH	113.1	31.4	11	16	21			
E SPRUCE	374.2	103.7		2	4			
TOTAL	*35.7*	*9.9*	*59*	*65*	*72*	*55*	*28*	*14*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	96.4	26.7	2,699	3,683	4,667			
W LARCH	106.3	29.5	890	1,262	1,634			
E SPRUCE	374.2	103.7		188	383			
TOTAL	*39.0*	*10.8*	*4,578*	*5,133*	*5,688*	*65*	*33*	*16*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR			57	77	98			
W LARCH	65.1	18.0	56	79	103			
E SPRUCE	374.2	103.7		95	193			
TOTAL	*186.6*	*51.7*	*70*	*78*	*87*	*1,500*	*765*	*375*

TC TSTATS

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TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
39N	34E	25	ALEC FIRE	00U9	127.67	35	67	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	35	67	1.9		
CRUISE	8	10	1.3	15,501	.1
DBH COUNT					
REFOREST					
COUNT	17	33	1.9		
BLANKS	10				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
W LARCH	4	55.9	9.9	72	9.5	29.8	2,769	2,354	644	644
DOUG FIR	4	48.3	10.1	49	8.5	26.9	1,630	894	459	387
LP PINE	1	14.8	7.7	67	1.7	4.8	148	111	57	43
E SPRUCE	1	2.4	14.8	78	0.7	2.9	506	380	98	73
TOTAL	*10*	*121.4*	*9.9*	*62*	*20.5*	*64.3*	*5,054*	*3,739*	*1,257*	*1,146*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	39.3	22.5	35	45	55			
DOUG FIR	91.9	52.5	13	28	42			
LP PINE								
E SPRUCE								
TOTAL	*98.8*	*32.9*	*30*	*45*	*60*	*434*	*221*	*108*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	128.0	21.6	44	56	68			
DOUG FIR	125.3	21.2	38	48	59			
LP PINE	301.0	50.9	7	15	22			
E SPRUCE	435.7	73.7	1	2	4			
TOTAL	*77.7*	*13.1*	*105*	*121*	*137*	*242*	*123*	*60*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	127.8	21.6	23	30	36			
DOUG FIR	124.3	21.0	21	27	33			
LP PINE	301.0	50.9	2	5	7			
E SPRUCE	435.7	73.7	1	3	5			
TOTAL	*81.5*	*13.8*	*55*	*64*	*73*	*266*	*136*	*66*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	128.0	21.6	1,845	2,354	2,863			
DOUG FIR	128.8	21.8	699	894	1,089			
LP PINE	301.0	50.9	55	111	168			
E SPRUCE	435.7	73.7	100	380	660			
TOTAL	*103.9*	*17.6*	*3,083*	*3,739*	*4,395*	*431*	*220*	*108*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH			62	79	96			
DOUG FIR			26	33	40			
LP PINE	64.2	10.8	11	23	35			
E SPRUCE	172.4	29.1	35	132	229			
TOTAL	*930.0*	*157.2*	*48*	*58*	*68*	*34,593*	*17,649*	*8,648*

TC TSTATS

STATISTICS

PROJECT ALECFS2

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TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
39N	34E	25	ALEC FIRE	0U10	223.83	52	95	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	52	95	1.8		
CRUISE	15	19	1.3	19,456	.1
DBH COUNT					
REFOREST COUNT	26	51	2.0		
BLANKS	11				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
DOUG FIR	10	34.5	13.7	60	9.6	35.5	3,278	2,655	857	853
W LARCH	7	28.3	10.4	79	5.2	16.8	1,913	1,582	432	432
LP PINE	1	16.9	7.5	67	1.9	5.2	337	253	74	51
E SPRUCE	1	7.3	9.9	88	1.2	3.9	653	490	121	91
TOTAL	*19*	*86.9*	*11.4*	*70*	*18.2*	*61.4*	*6,180*	*4,979*	*1,484*	*1,426*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	58.9	19.6	74	93	111			
W LARCH	47.8	19.5	53	66	78			
LP PINE								
E SPRUCE								
TOTAL	*61.0*	*14.4*	*66*	*77*	*88*	*157*	*80*	*39*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	107.1	14.9	29	34	40			
W LARCH	137.8	19.1	23	28	34			
LP PINE	236.8	32.8	11	17	22			
E SPRUCE	370.2	51.3	4	7	11			
TOTAL	*73.4*	*10.2*	*78*	*87*	*96*	*216*	*110*	*54*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	104.9	14.6	30	36	41			
W LARCH	134.3	18.6	14	17	20			
LP PINE	236.8	32.8	3	5	7			
E SPRUCE	370.2	51.3	2	4	6			
TOTAL	*71.7*	*9.9*	*55*	*61*	*68*	*205*	*105*	*51*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR	110.3	15.3	2,249	2,655	3,061			
W LARCH	135.9	18.9	1,283	1,582	1,880			
LP PINE	236.8	32.8	170	253	336			
E SPRUCE	370.2	51.3	238	490	741			
TOTAL	*83.1*	*11.5*	*4,405*	*4,979*	*5,553*	*277*	*141*	*69*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
DOUG FIR			63	75	86			
W LARCH			76	94	112			
LP PINE			33	49	65			
E SPRUCE	67.3	9.3	61	126	191			
TOTAL	*629.4*	*87.3*	*72*	*81*	*90*	*15,845*	*8,084*	*3,961*

TC TSTATS

STATISTICS

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TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
39N	34E	24	ALEC FIRE	0U11	49.16	12	17	S	E

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	12	17	1.4		
CRUISE	7	9	1.3	5,187	.2
DBH COUNT					
REFOREST COUNT	4	5	1.3		
BLANKS	1				
100 %					

STAND SUMMARY

	SAMPLE TREES	TREES /ACRE	AVG DBH	BOLE LEN	REL DEN	BASAL AREA	GROSS BF/AC	NET BF/AC	GROSS CF/AC	NET CF/AC
W LARCH	8	78.8	9.5	61	12.7	39.2	4,666	3,909	918	918
LP PINE	1	26.7	7.6	56	3.0	8.4	533	400	116	87
TOTAL	*9*	*105.5*	*9.1*	*60*	*15.8*	*47.6*	*5,199*	*4,309*	*1,035*	*1,006*

CONFIDENCE LIMITS OF THE SAMPLE

68.1 TIMES OUT OF 100 THE VOLUME WILL BE WITHIN THE SAMPLE ERROR

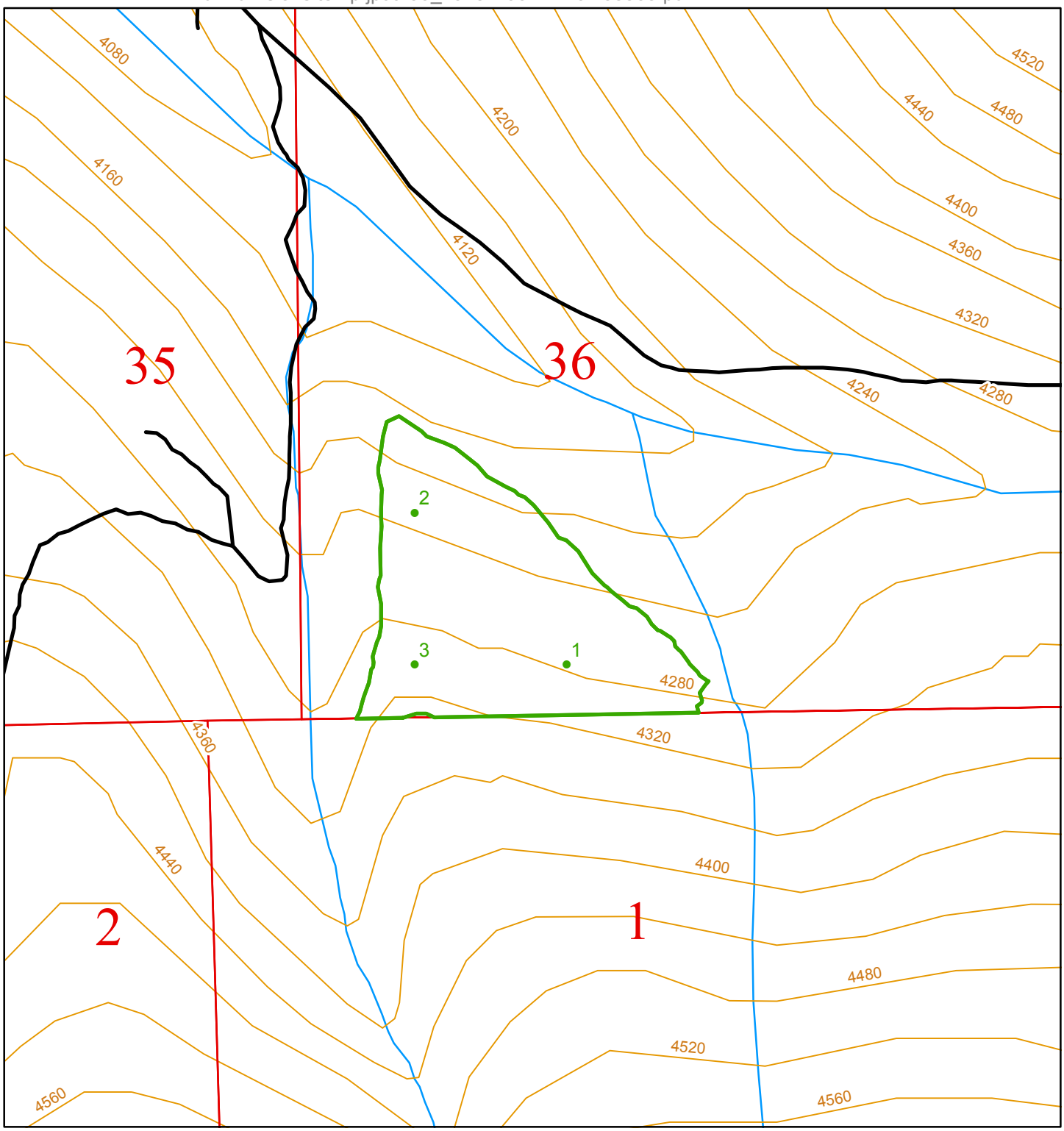
CL: 68.1 %	COEFF		**SAMPLE TREES - BF**			# OF TREES REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	74.4	28.1	49	68	87			
LP PINE								
TOTAL	*81.3*	*28.7*	*44*	*62*	*80*	*297*	*152*	*74*

CL: 68.1 %	COEFF		**TREES/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	43.6	13.1	68	79	89			
LP PINE	180.9	54.5	12	27	41			
TOTAL	*49.4*	*14.9*	*90*	*106*	*121*	*106*	*54*	*27*

CL: 68.1 %	COEFF		**BASAL AREA/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	33.4	10.1	35	39	43			
LP PINE	180.9	54.5	4	8	13			
TOTAL	*36.3*	*11.0*	*42*	*48*	*53*	*58*	*29*	*14*

CL: 68.1 %	COEFF		**NET BF/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH	41.3	12.4	3,423	3,909	4,395			
LP PINE	180.9	54.5	182	400	618			
TOTAL	*38.1*	*11.5*	*3,814*	*4,309*	*4,804*	*63*	*32*	*16*

CL: 68.1 %	COEFF		**V-BAR/ACRE**			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	7	10
W LARCH			87	100	112			
LP PINE	60.3	18.2	22	48	74			
TOTAL	*173.4*	*52.2*	*80*	*90*	*101*	*1,310*	*669*	*328*



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	ALEC FIRE SALVAGE U1	Township:	T39R34E
FMU_ID:	93503	DNR Region:	NORTHEAST
Acres:	11	Total Sample Points:	3
County:	FERRY	Spacing Between Points:	Width: 430 Height: 430
		Point Rotation Degrees:	0

N

0 140 280 560 840 1,120 Feet

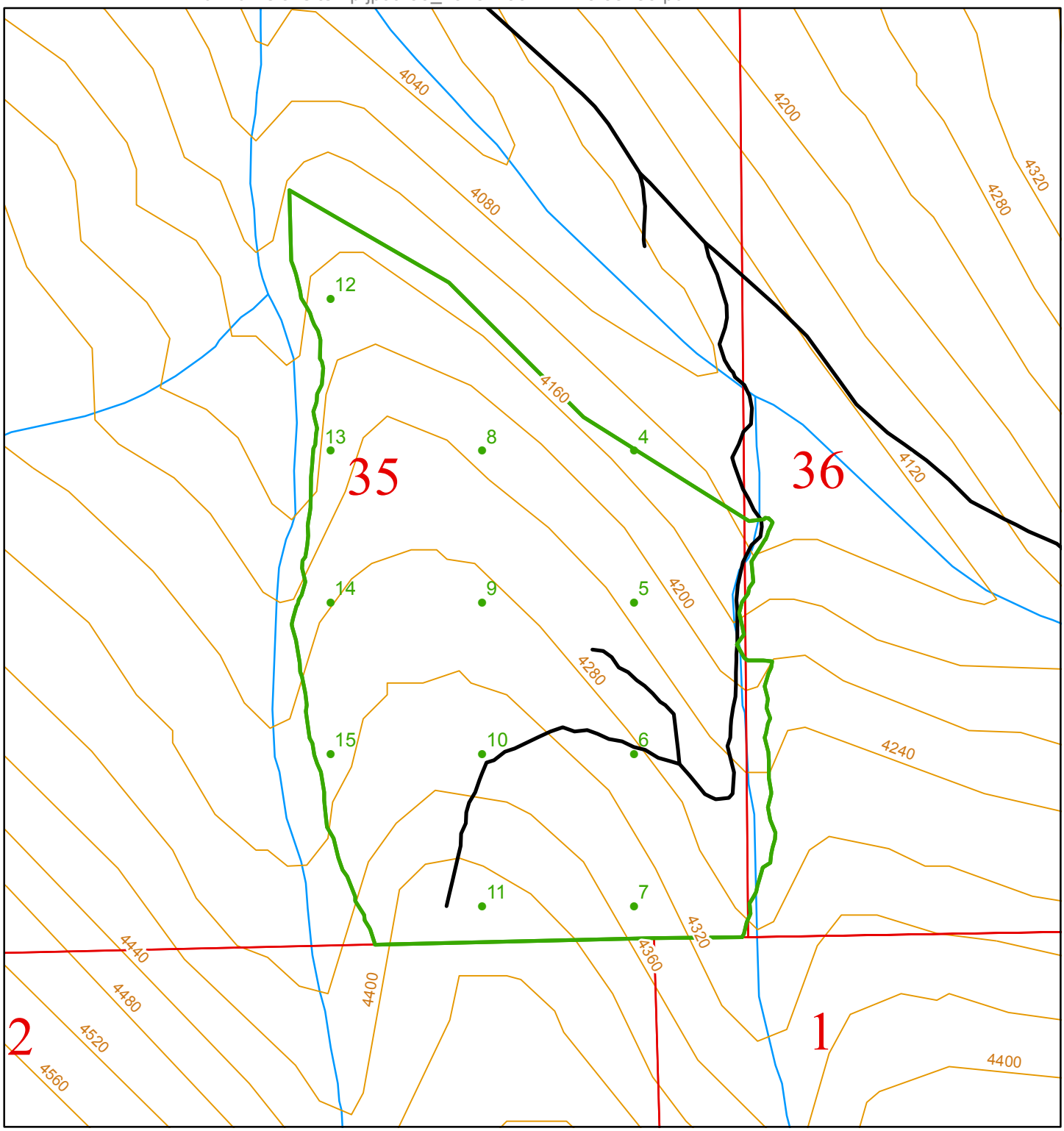
Scale 1:4,800

Legend

- Sample Points
- FMU polys
- Public Land Survey Sections
- Contours 40-foot

Washington State Department of Natural Resources
Peter Goldmark, Commissioner of Public Lands

Nov 06, 2015 11:43 AM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	ALEC FIRE SALVAGE U2	Township:	T39R34E
FMU_ID:	93736	DNR Region:	NORTHEAST
Acres:	47	Total Sample Points:	12
County:	FERRY	Spacing Between Points:	Width: 430 Height: 430
		Point Rotation Degrees:	0

N

0 140 280 560 840 1,120 Feet

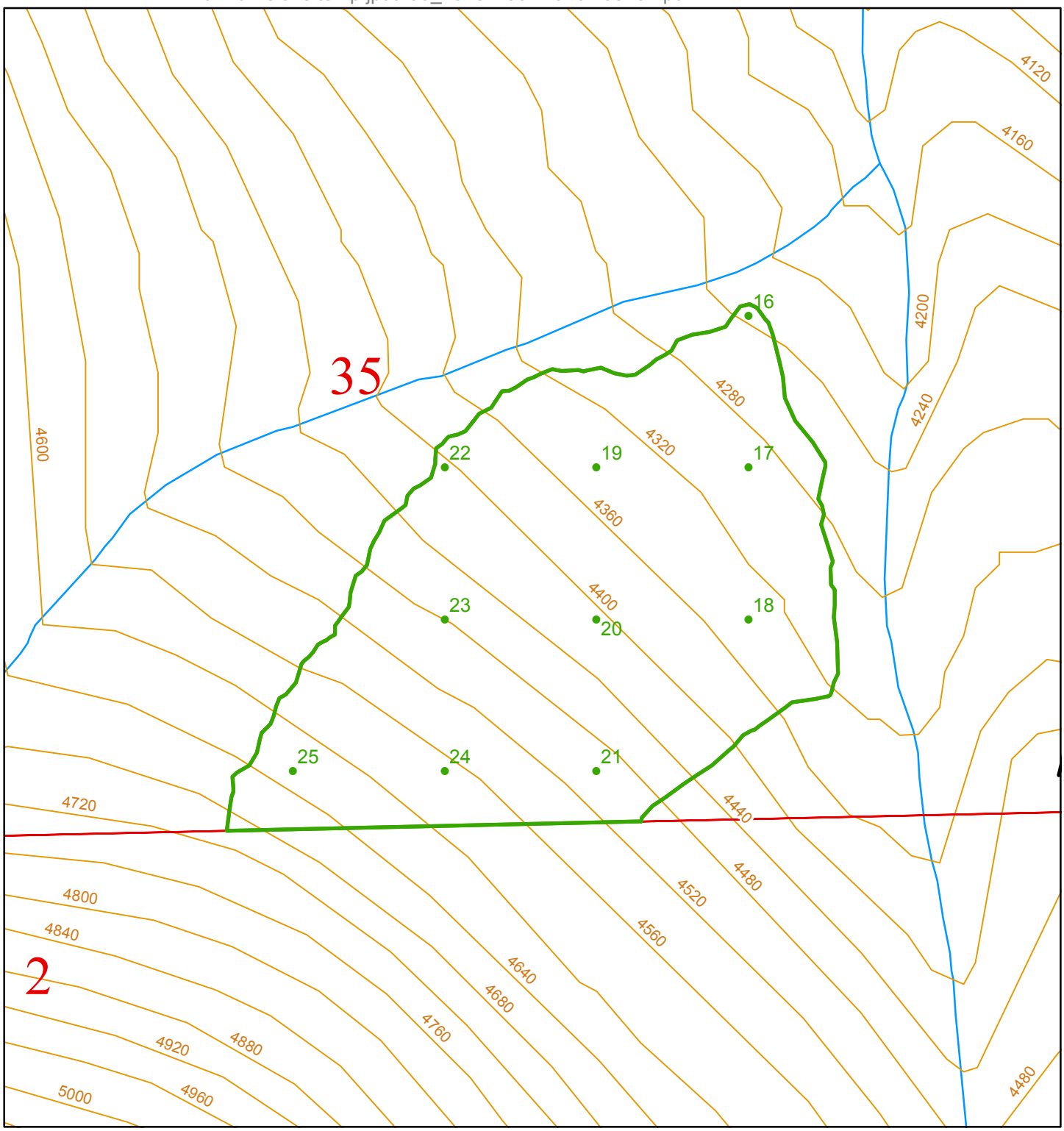
Scale 1:4,800

Legend

- Sample Points
- FMU polys
- Public Land Survey Sections
- Contours 40-foot

Washington State Department of Natural Resources
Peter Goldmark, Commissioner of Public Lands

Nov 06, 2015 11:50 AM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	ALEC FIRE SALVAGE U3	Township:	T39R34E
FMU_ID:	93737	DNR Region:	NORTHEAST
Acres:	38	Total Sample Points:	10
County:	FERRY	Spacing Between Points:	Width: 430 Height: 430
		Point Rotation Degrees:	0

N

0 140 280 560 840 1,120 Feet

Scale 1:4,800

Legend

- Sample Points
- FMU polys
- Public Land Survey Sections
- Contours 40-foot

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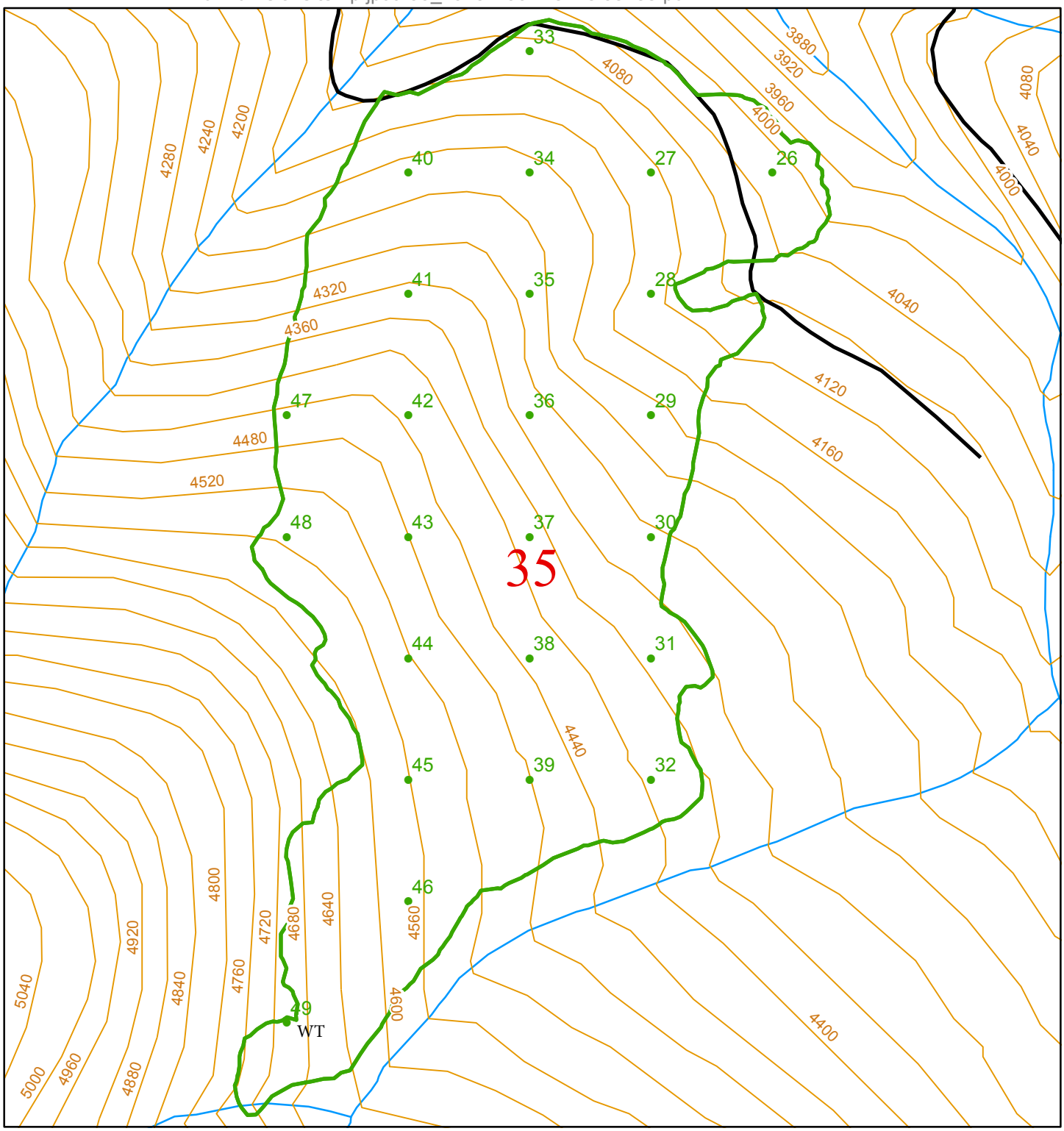
Nov 06, 2015 11:54 AM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	ALEC FIRE SALVAGE U4	Township:	T39R34E
FMU_ID:	93738	DNR Region:	NORTHEAST
Acres:	103	Total Sample Points:	24
County:	FERRY	Spacing Between Points:	Width: 430 Height: 430
Walk Through Plots	WT	Point Rotation Degrees:	0

N

0 175 350 700 1,050 1,400 Feet

Scale 1:6,000

Legend

- Sample Points
- FMU polys
- Public Land Survey Sections
- Contours 40-foot

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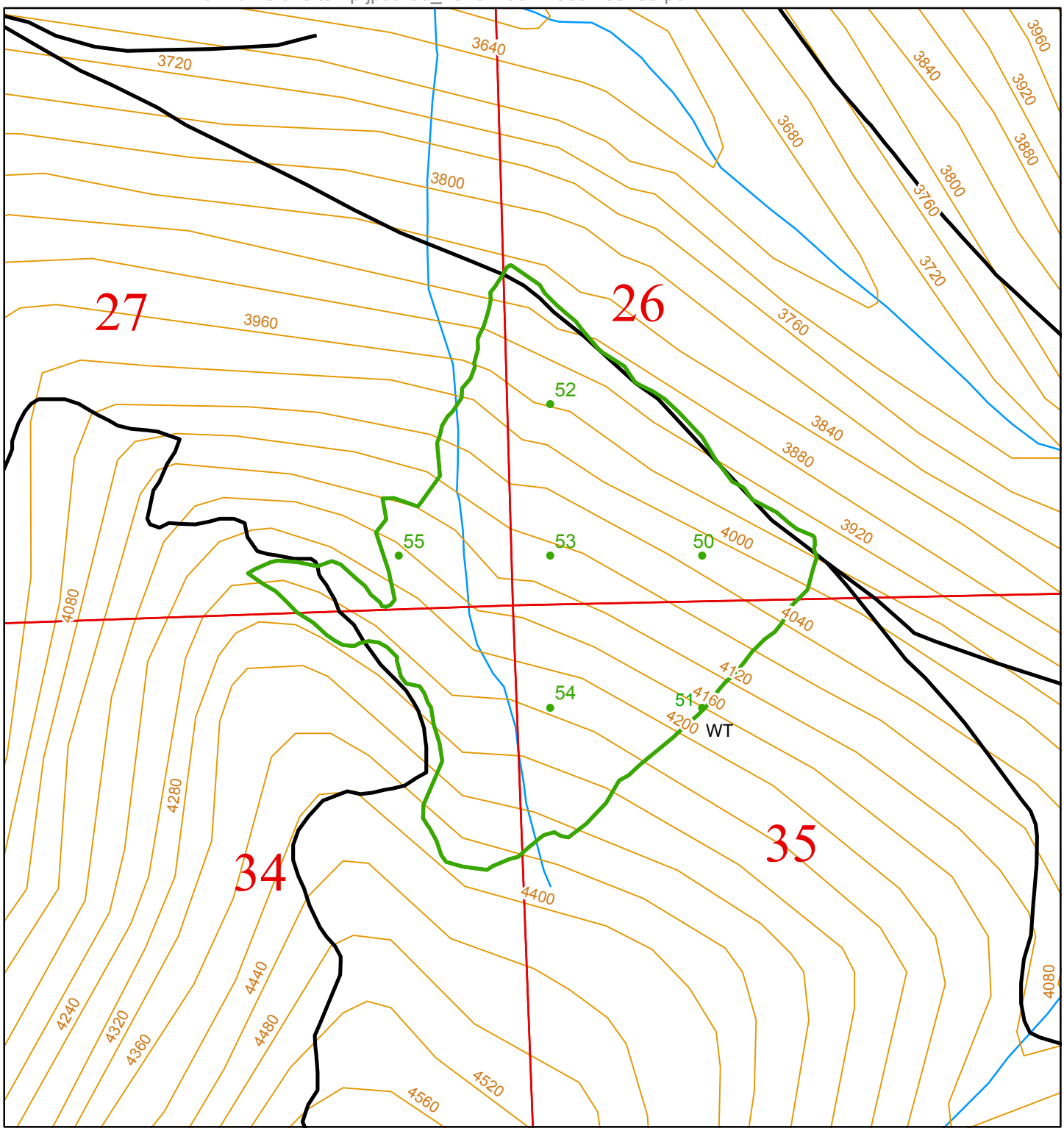
Nov 06, 2015 12:00 PM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	ALEC FIRE SALVAGE U5	Township:	T39R34E
FMU_ID:	93739	DNR Region:	NORTHEAST
Acres:	29	Total Sample Points:	6
County:	FERRY	Spacing Between Points:	Width: 430 Height: 430
Walk Through Plots	WT	Point Rotation Degrees:	0

N

0 140 280 560 840 1,120 Feet

Scale 1:4,800

Legend

- Sample Points
- FMU polys
- Public Land Survey Sections
- Contours 40-foot

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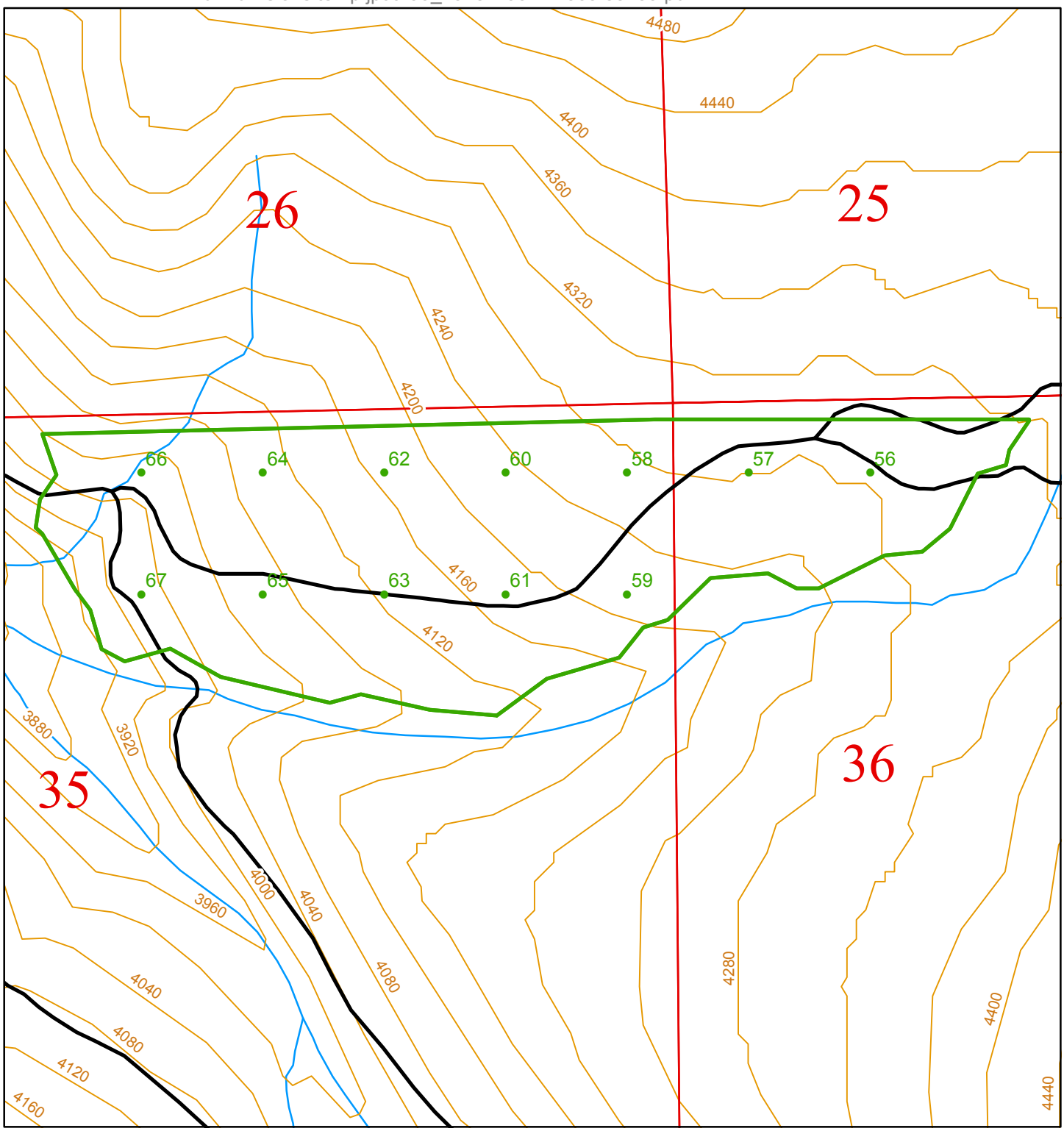
Peter Goldmark, Commissioner of Public Lands

Nov 06, 2015 12:09 PM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	ALEC FIRE SALVAGE U6	Township:	T39R34E
FMU_ID:	35499	DNR Region:	NORTHEAST
Acres:	58	Total Sample Points:	12
County:	FERRY	Spacing Between Points:	Width: 430 Height: 430
		Point Rotation Degrees:	0

N

0 175 350 700 1,050 1,400 Feet

Scale 1:6,000

Legend

- Sample Points
- FMU polys
- Public Land Survey Sections
- Contours 40-foot

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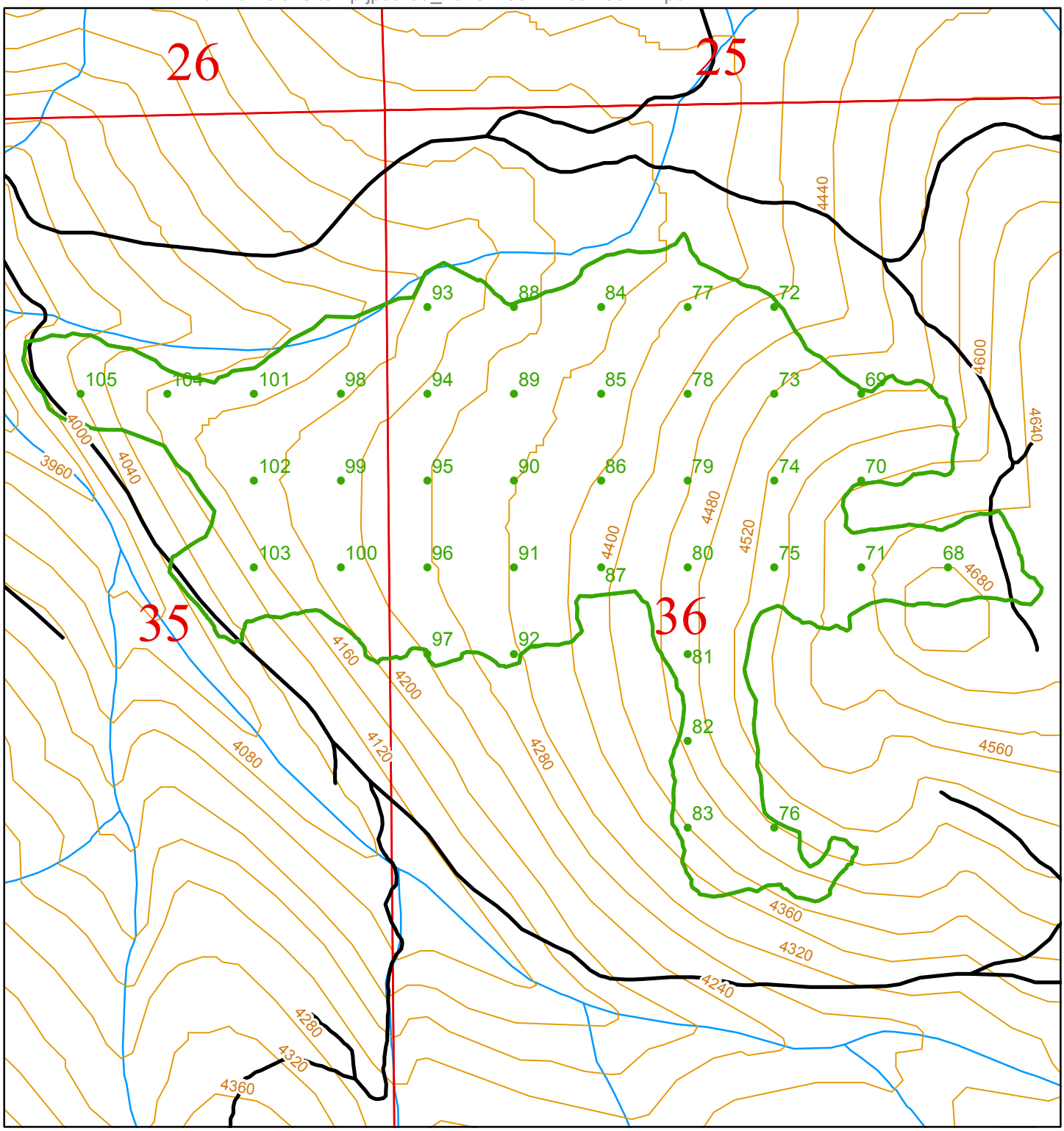
Nov 06, 2015 12:22 PM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	ALEC FIRE SALVAGE U7	Township:	T39R34E
FMU_ID:	93741	DNR Region:	NORTHEAST
Acres:	156	Total Sample Points:	38
County:	FERRY	Spacing Between Points:	Width: 430 Height: 430
		Point Rotation Degrees:	0

N

0 245 490 980 1,470 1,960 Feet

Scale 1:8,400

Legend

- Sample Points
- FMU polys
- Public Land Survey Sections
- Contours 40-foot

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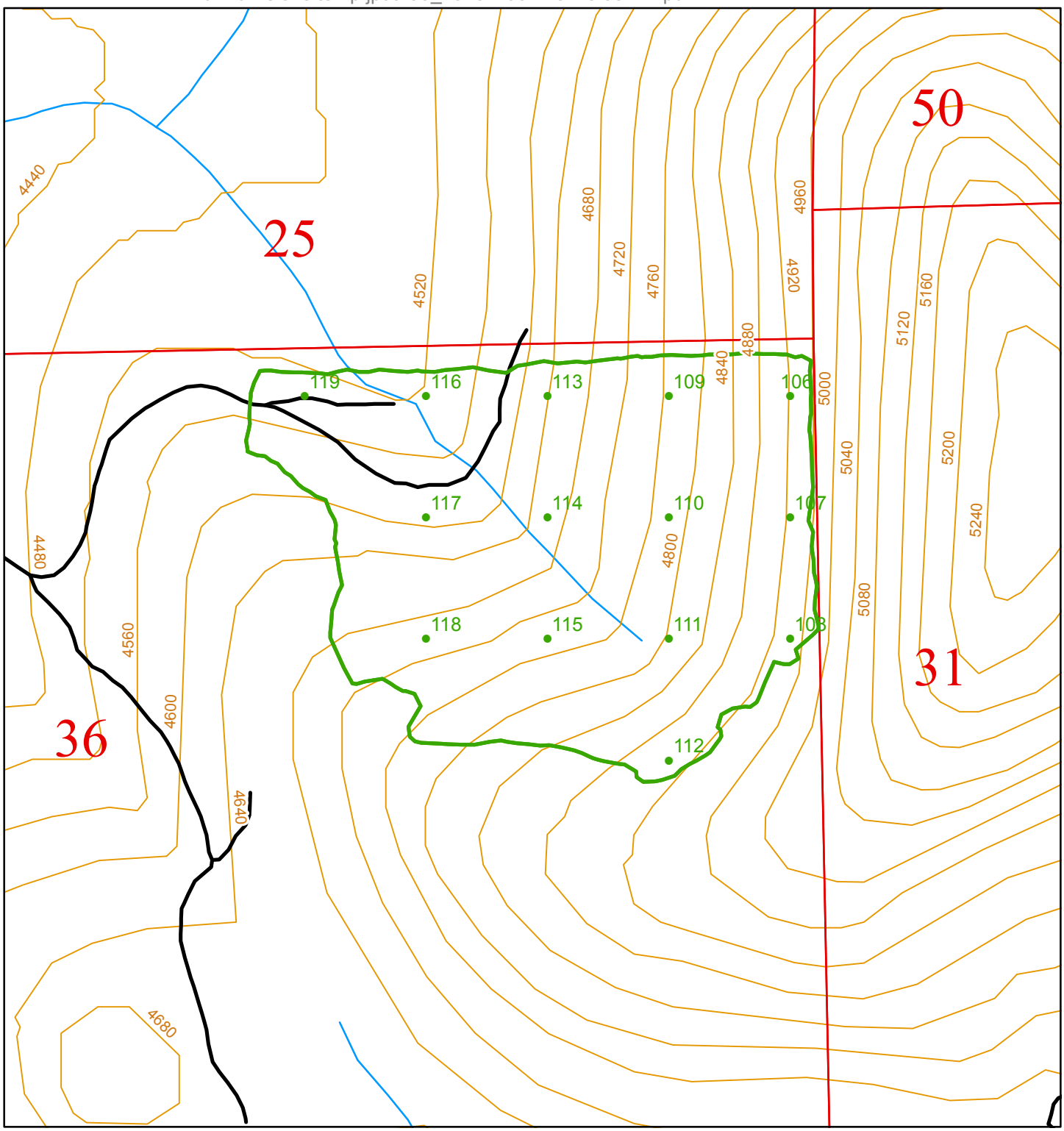
Nov 06, 2015 12:29 PM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	ALEC FIRE SALVAGE U8	Township:	T39R34E
FMU_ID:	93742	DNR Region:	NORTHEAST
Acres:	53	Total Sample Points:	14
County:	FERRY	Spacing Between Points:	Width: 430 Height: 430
		Point Rotation Degrees:	0

N

0 175 350 700 1,050 1,400 Feet

Scale 1:6,000

Legend

- Sample Points
- FMU polys
- Public Land Survey Sections
- Contours 40-foot

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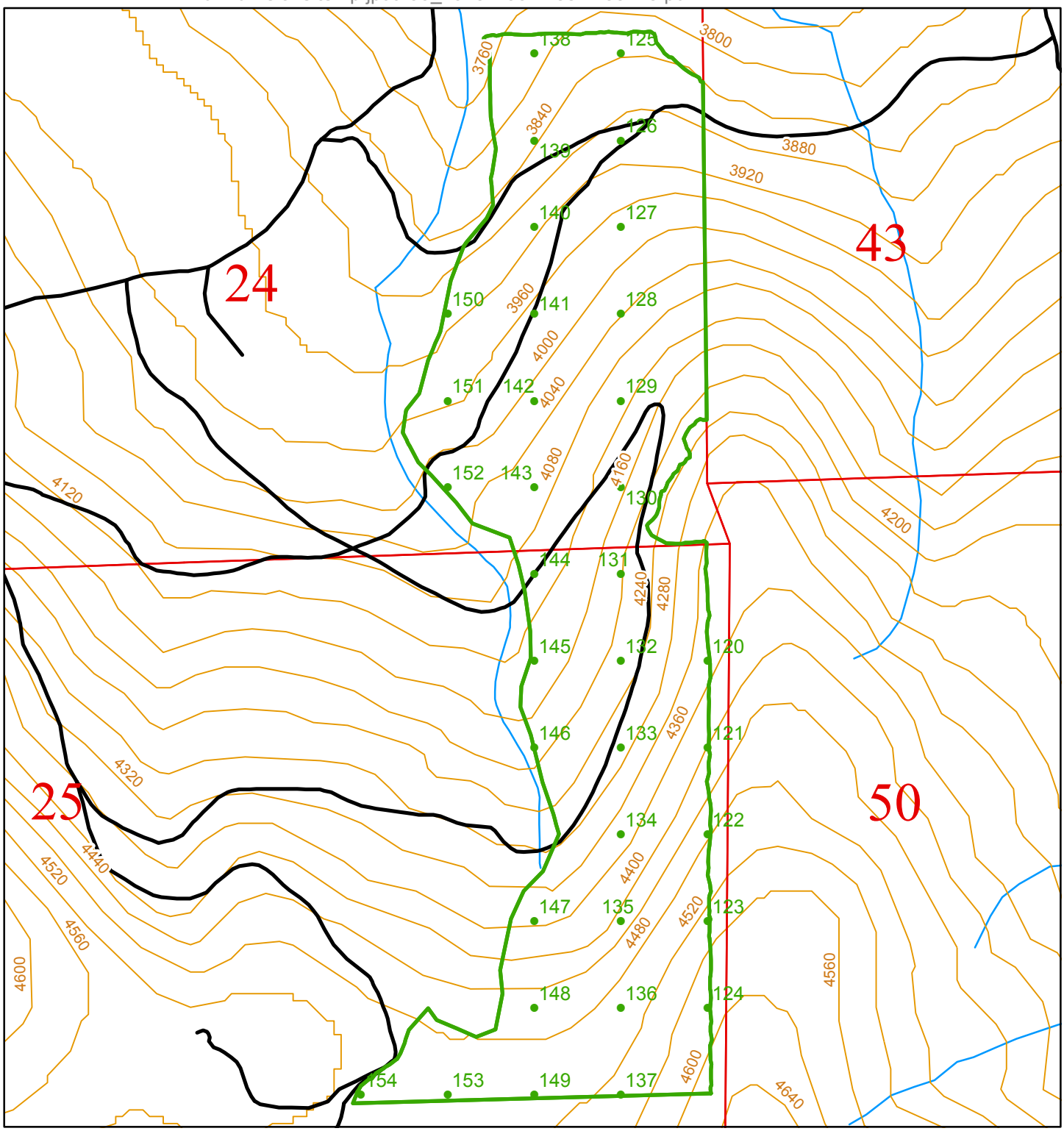
Nov 06, 2015 12:34 PM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	ALEC FIRE SALVAGE U9	Township:	T39R34E
FMU_ID:	93743	DNR Region:	NORTHEAST
Acres:	131	Total Sample Points:	35
County:	FERRY	Spacing Between Points:	Width: 430 Height: 430
		Point Rotation Degrees:	0

N

0 245 490 980 1,470 1,960 Feet

Scale 1:8,400

Legend

- Sample Points
- FMU polys
- Public Land Survey Sections
- Contours 40-foot

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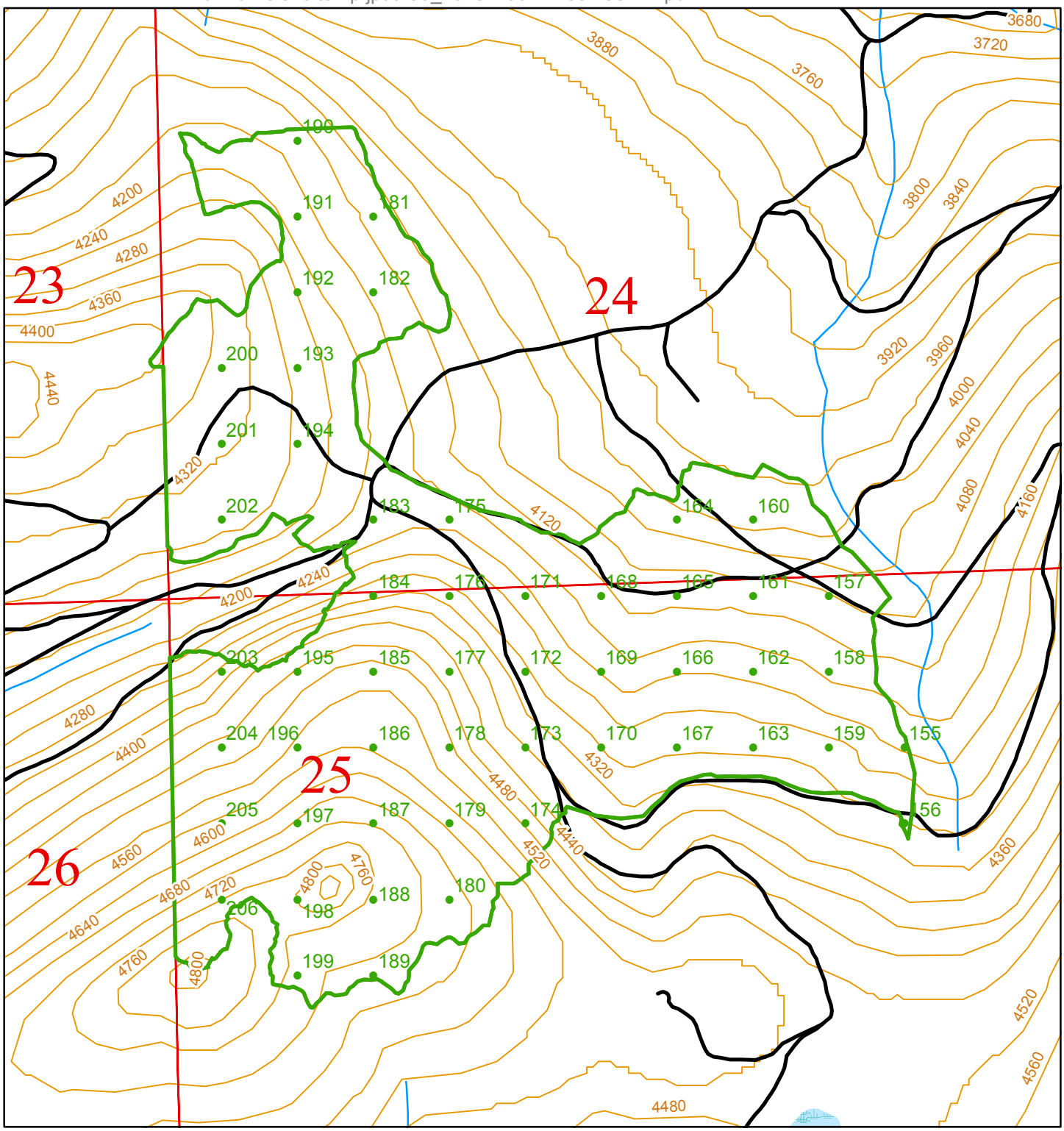
Nov 06, 2015 12:41 PM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	ALEC FIRE SALVAGEU10	Township:	T39R34E
FMU_ID:	93744	DNR Region:	NORTHEAST
Acres:	235	Total Sample Points:	52
County:	FERRY	Spacing Between Points:	Width: 430 Height: 430
		Point Rotation Degrees:	0

N

0 280 560 1,120 1,680 2,240 Feet

Scale 1:9,600

Legend

- Sample Points
- FMU polys
- Public Land Survey Sections
- Contours 40-foot

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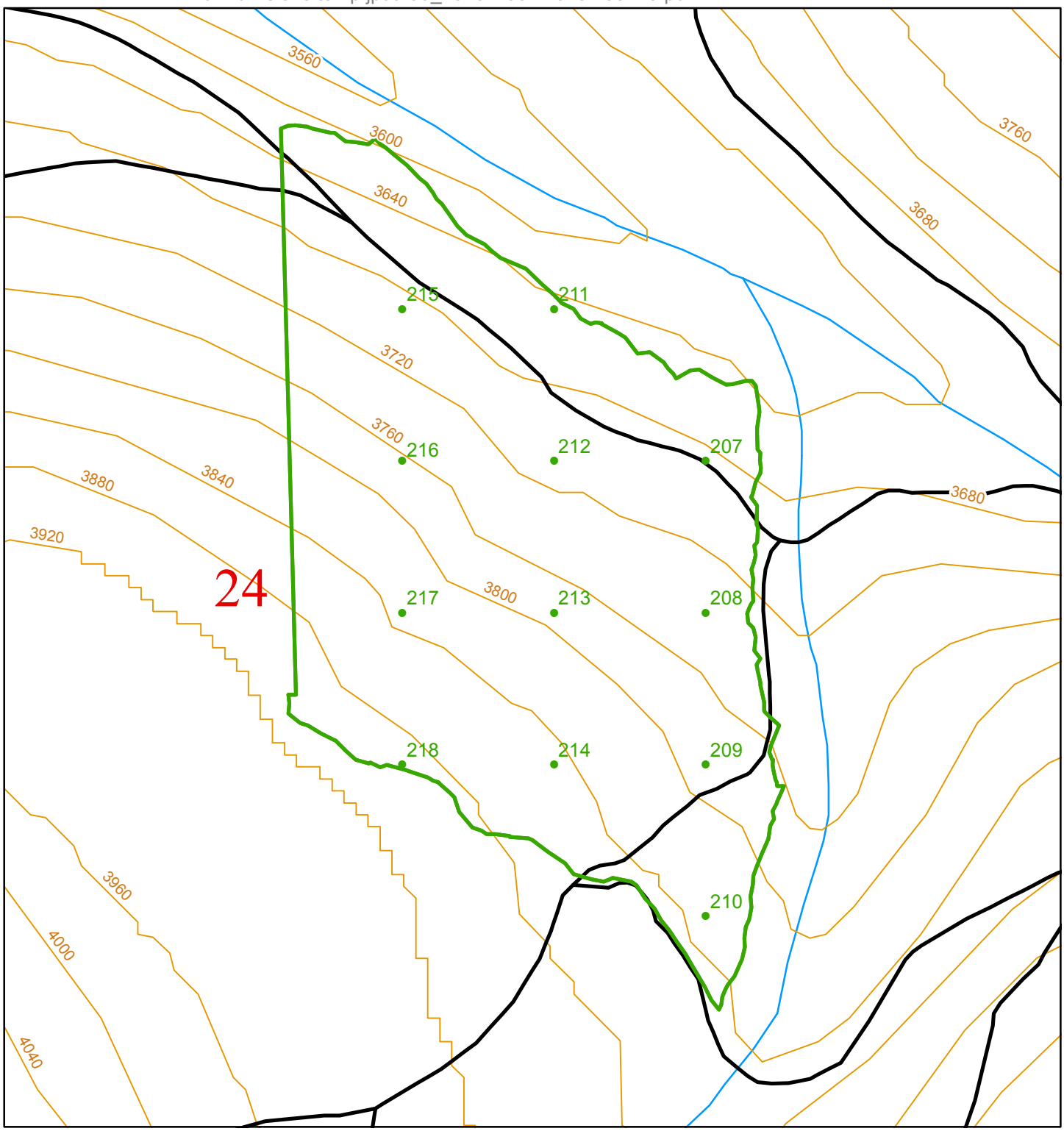
Nov 06, 2015 12:50 PM



FMU POLYGON AND SAMPLE POINT INFORMATION

FMU_NM:	ALEC FIRE SALVAGEU11	Township:	T39R34E
FMU_ID:	93745	DNR Region:	NORTHEAST
Acres:	51	Total Sample Points:	12
County:	FERRY	Spacing Between Points:	Width: 430 Height: 430
		Point Rotation Degrees:	0

N

0 140 280 560 840 1,120 Feet

Scale 1:4,800

Legend

- Sample Points
- FMU polys
- Public Land Survey Sections
- Contours 40-foot

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Nov 06, 2015 12:55 PM

WASHINGTON STATE DEPARTMENT OF
Natural Resources
Peter Goldmark - Commissioner of Public Lands

FPA/N No:	3020575
Effective Date:	12/3/2015
Expiration Date:	12/3/2018
Shut Down Zone:	678E
EARR Tax Credit:	[X] Eligible [ ] Non-eligible
Reference:	Alec Fire Salvage FIT
	S: 23-27, 34-36 T: 39 R: 34

Forest Practices Application/Notification
Notice of Decision

Decision

[ ] Notification	Operations shall not begin before the effective date.
[X] Approved	This Forest Practices Application is subject to the conditions listed below.
[ ] Disapproved	This Forest Practices Application is disapproved for the reasons listed below.
[ ] Closed	Applicant has withdrawn FPA/N.

FPA/N Classification

[ ] Class II [X] Class III [ ] Class IVG [ ] Class IVS

Number of Years Granted on Multi-Year Request

[ ] 4 years [ ] 5 years

Conditions on Approval / Reasons for Disapproval

Conditions -

1. Streams and wetlands may have been identified within this harvest area. If changes occur to streams or wetlands during the time of this activity, notify the forest practice forester immediately for correct protection measures.
2. When harvesting on slopes that have the potential to deliver sediment to a public resource, use best management practices to minimize the potential. This could include: progressive water barring of skid trails, slash placement or grass seeding. Leaving small trees or logs on the ground that are perpendicular to the slope can also be helpful in minimizing erosion or delivering sediment to a public resource.

Issued By: Robert Hinds **Region:** Northeast

Title: Forest Practices Forester **Date:** 12/3/2015

Copies to: [X] **Landowner, Timber Owner and Operator.**

Issued in person: [X] **Landowner [ ]Timber Owner [ ] Operator By:** Nichole Fandrey