



TIMBER NOTICE OF SALE

SALE NAME: Q NORTH WILLIAMS SORTS

AGREEMENT NO: 30-104415 - 30-104422

AUCTION: June 6, 2023 starting at 10:00 a.m. Northeast Region Office, Colville, WA

COUNTY: Stevens

SALE LOCATION: Sale located approximately 18 miles north of Colville, WA.

PRODUCTS SOLD

AND SALE AREA: All timber except for leave trees banded with purple paint in Units 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 and 13 bounded by white timber sale boundary tags meeting the specifications described below; on parts of Sections 10, 11, 15, 23, 24, and 25 all in Township 38 North, Range 38 East W.M., containing 593 acres, more or less.

MINIMUM BID AND ESTIMATED LOG VOLUMES:

Table with 9 columns: Agreement #, Sort #, Species and Sort Specifications, Average Log Length, Estimated Volume (Mbf, Tons), Tons Per MBF, Minimum Bid Delivered Prices (\$/mbf, \$/Ton), Total Appraised Value, Bid Deposit. Row 1: 104422, 08, All conifer species except WRC 2"+ utility, N/A, 57, 513, 9, \$25.00, \$12,825.00, \$5,000.00.

Totals: 57 513 \$12,825.00

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

BID METHOD: Sealed Bids UNIT OF MEASURE: Tonnage Scale

EXPIRATION DATE: January 31, 2024 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: Purchaser must pay the forest excise taxes associated with the log sorts delivered to them. The tax rate for this sale is 4.2 %. Taxable Stumpage = Total Delivered Value – (Harvest Cost + Estimated Haul Cost + ARRF). For more information contact the Department of Revenue, Forest Tax Section at 1-800-548-8829.

Use the following rates for estimating taxable stumpage:

Harvest Cost = \$29.95 per Ton for sorts 01, 02, 03, 04, 05, 06 and 07 and \$0.00 per Ton for sort.



TIMBER NOTICE OF SALE

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 = \$0.00 per MBF for sort 08 and \$26.00 per MBF for sorts 01, 02, 03, 04, 05, 06 and 07.

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

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

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

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

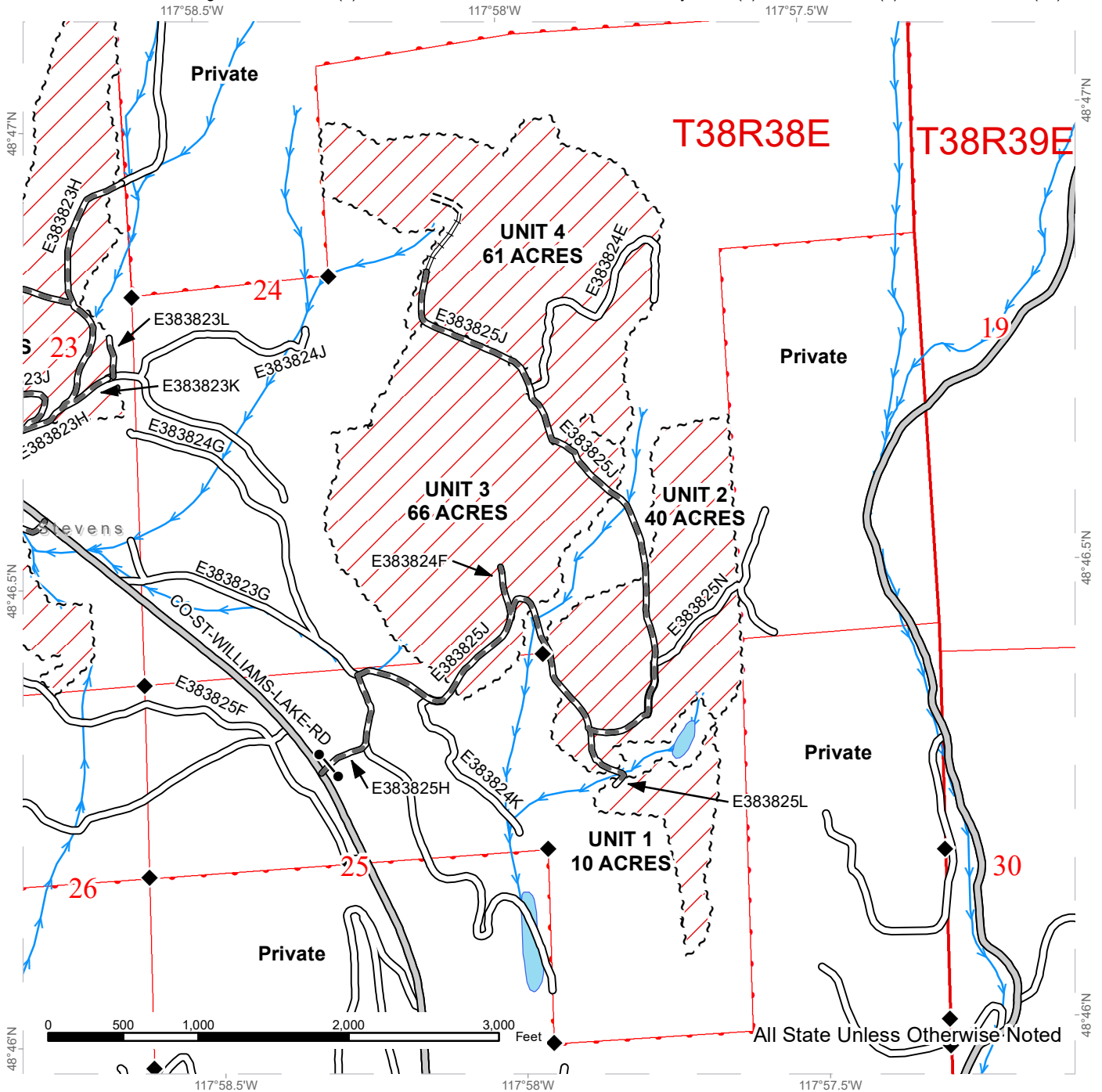
Forwarder equipment is required in all units. Expect significant amount of short logs.

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 Chris Hosch at the Northeast Region Office at (509)675-2625 or Steve Teitzel at the Product Sales and Leasing Division Office in Olympia at (360)902-1741.

TIMBER SALE MAP

SALE NAME: Q NORTH WILLIAMS SORTS
AGREEMENT #: 30-104000
TOWNSHIP(S): T38R38E
TRUST(S): Agricultural School (4), Charitable/Educational/Penal & Reformatory Instit. (6), Normal School (8), Scientific School (10)

REGION: Northeast Region
COUNTY(S): Stevens
ELEVATION RGE: 1320-2640



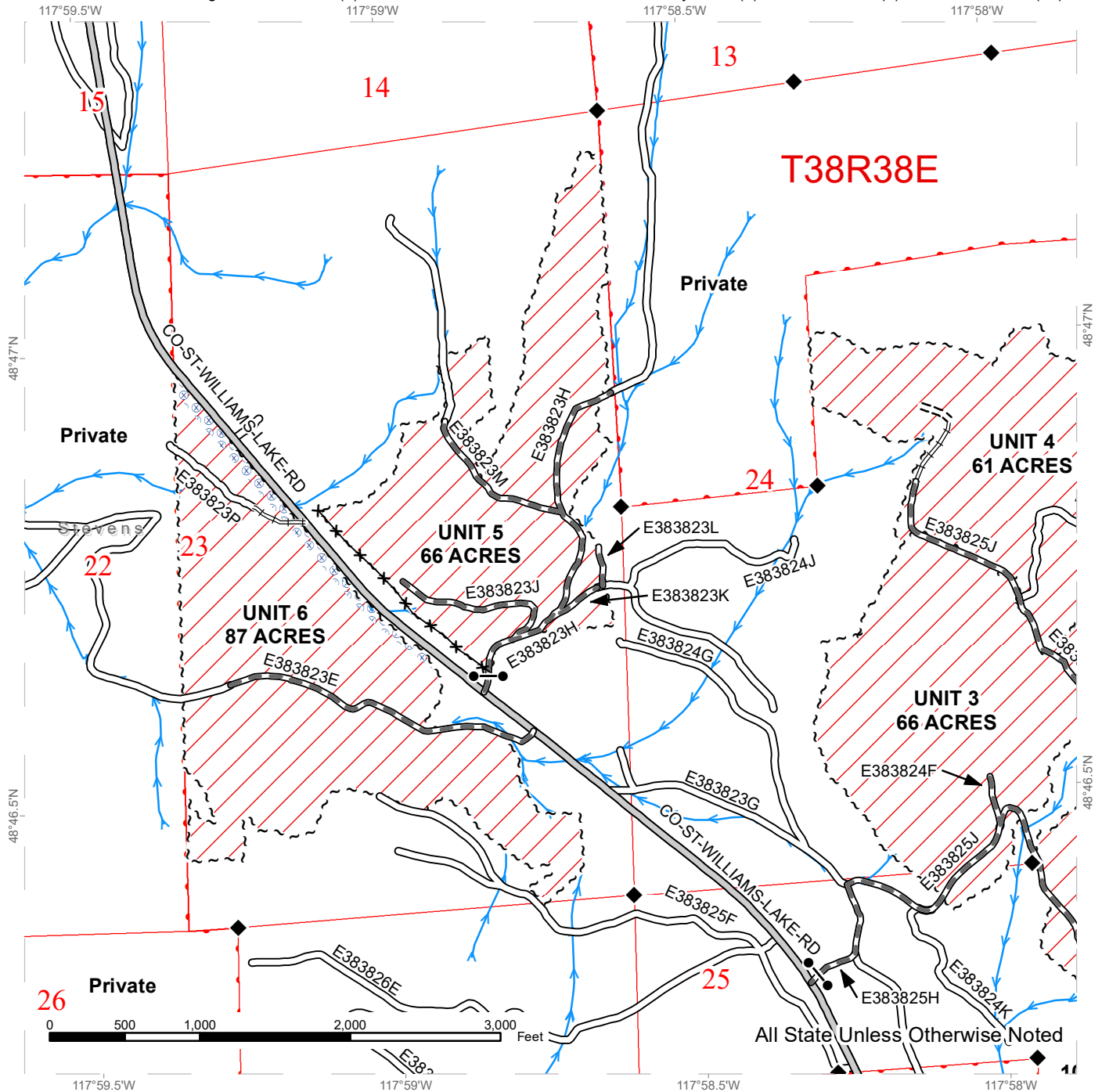
Public Land Survey Sections	County Road	Streams
DNR Managed Lands	Existing Roads	Survey Monument
Variable Retention Harvest	Required Pre-Haul Maintenance	Gate
Sale Boundary Tags	Required Construction	
	Required Reconstruction	



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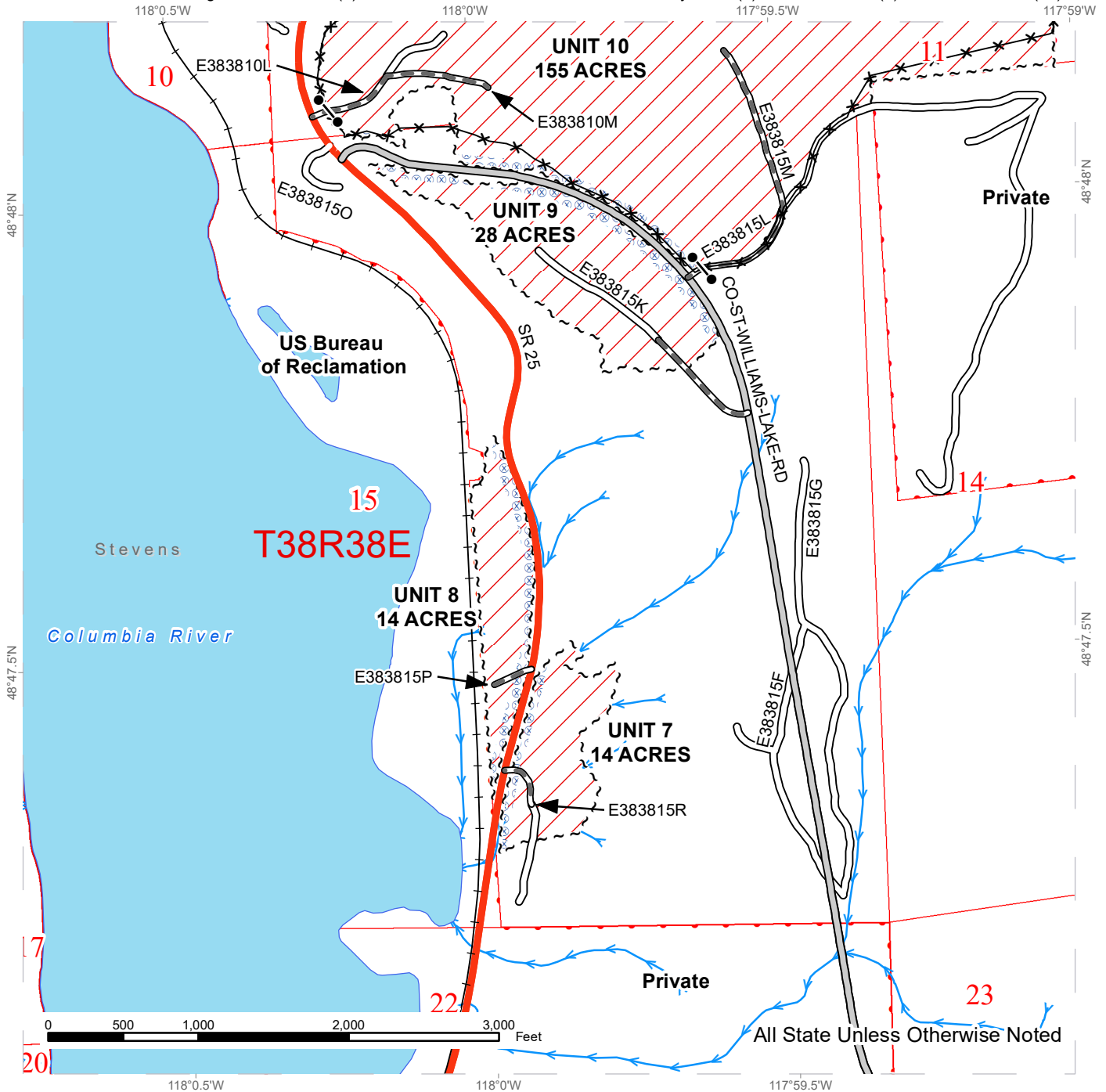
Public Land Survey Sections	County Road	Streams
DNR Managed Lands	Existing Roads	Survey Monument
Variable Retention Harvest	Required Pre-Haul Maintenance	Gate
Sale Boundary Tags	Required Construction	Fence
Hazard Abatement Area	Required Reconstruction	



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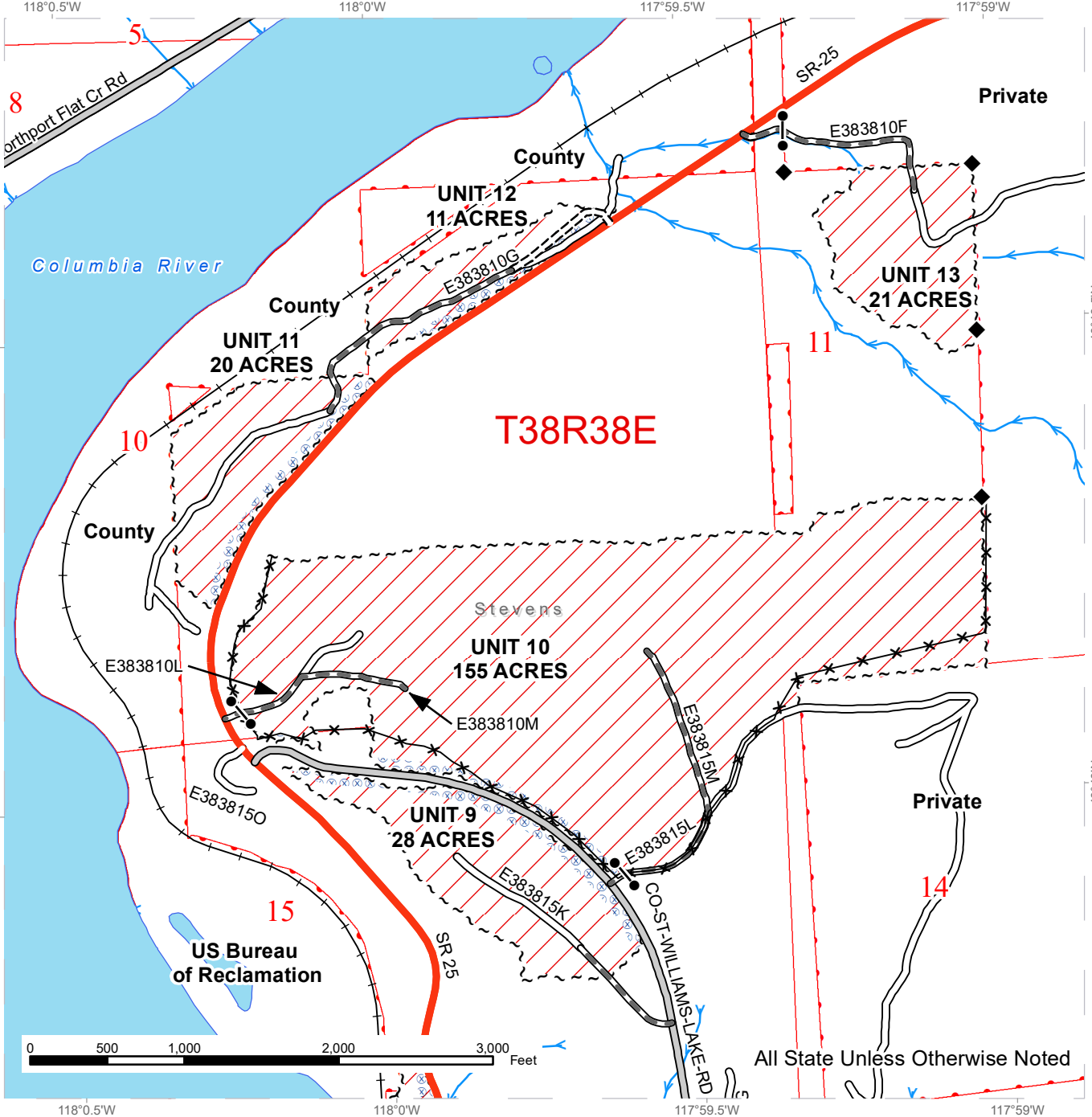
Public Land Survey Sections	County Road	Streams
DNR Managed Lands	Existing Roads	Gate
Variable Retention Harvest	Required Pre-Haul Maintenance	Fence
Sale Boundary Tags	Highway	
Hazard Abatement Area	Railroad	



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All State Unless Otherwise Noted

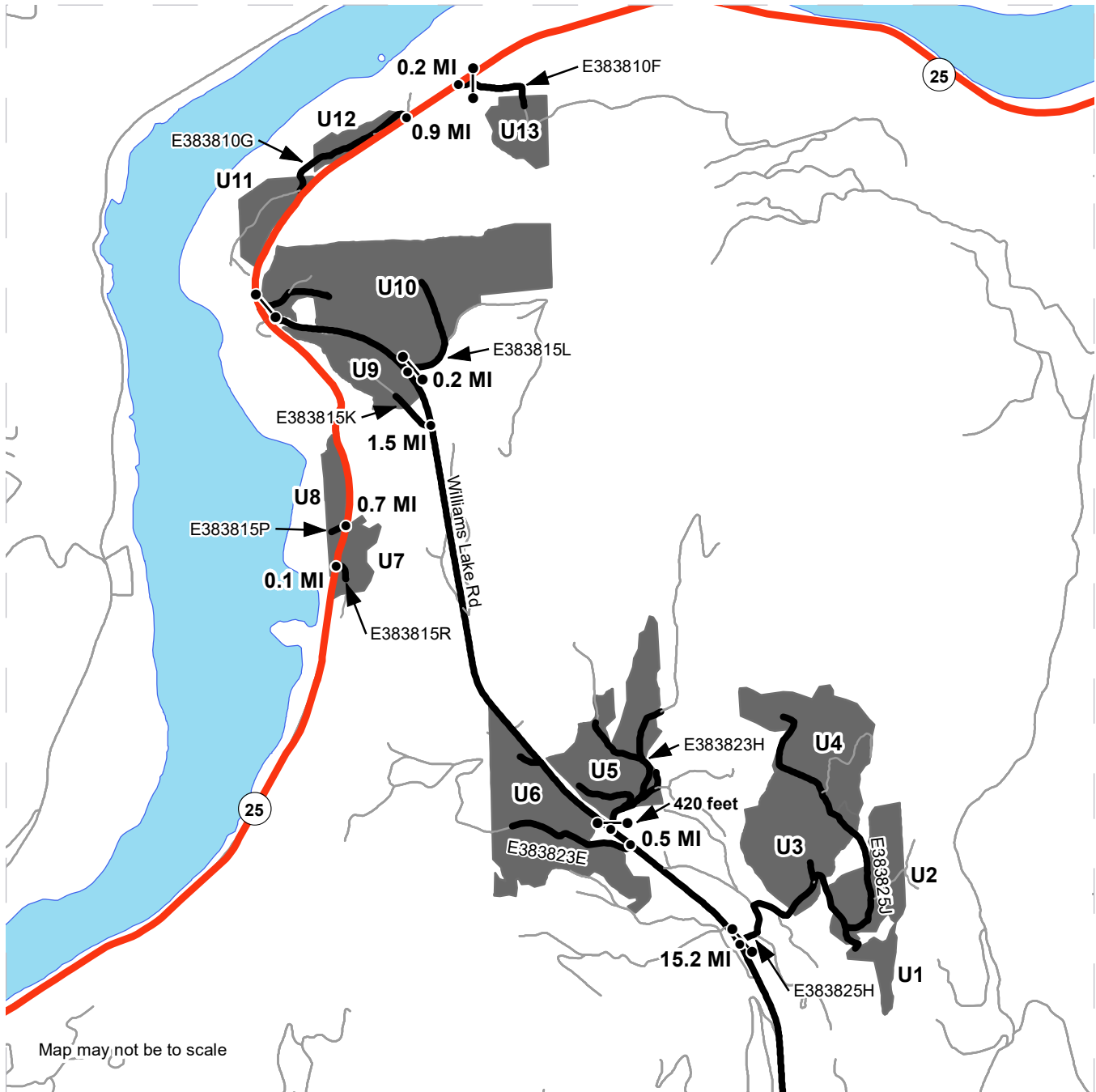
Public Land Survey Sections	County Road	Streams
DNR Managed Lands	Existing Roads	Survey Monument
Variable Retention Harvest	Required Pre-Haul Maintenance	Gate
Sale Boundary Tags	Required Construction	Fence
Hazard Abatement Area	Highway	
	Railroad	



DRIVING MAP

SALE NAME: Q NORTH WILLIAMS SORTS
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Map may not be to scale

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

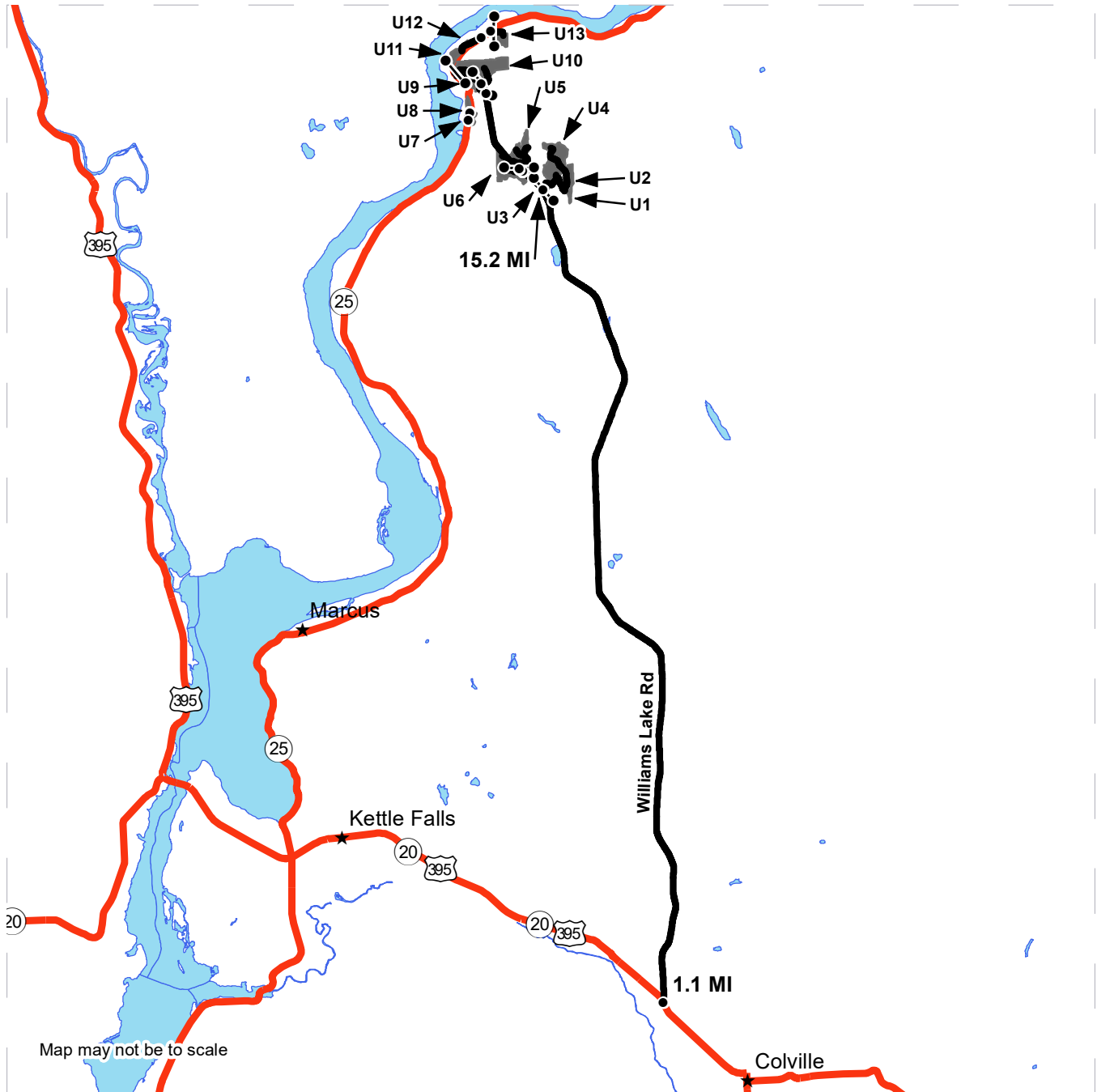
DRIVING DIRECTIONS:
 To Unit 1-4: From the intersection of Hwy 395 and Canning Dr. travel north 1.1 miles to Williams Lake Rd and turn right. On Williams Lake road travel 15.2 miles to the E383825H road and turn right. Follow timber sale signs to Unit 1-4.
 To Units 5 & 6: Continuing from the intersection of Williams Lake Road and the E383825H road continue north on the Williams Lake Road for an additional 0.5 miles and take a left onto the E383823E road to enter Unit 6. From the Williams Lake Road and E383823E intersection travel north 420 feet and turn right onto the E383823H road through gate to enter Unit 5. To Units 9 & 10: Continuing from the intersection of Williams Lake road and the E383823H road travel north on the Williams Lake road for 1.5 miles and turn left onto the E383815K road following signs to enter Unit 9. Continuing from the intersection of the Williams Lake Road and the E383815K road travel north on the Williams Lake Road for an additional 0.2 miles and take a right onto the E383815L road and through the gate to enter Unit 10. To Units 7 & 8: From the intersection of State Highway 25 and the Williams Lake Road travel south on State Highway 25 for 0.7 miles and take a right onto the E383815P road to enter Unit 8. Travel an additional 0.1 miles on State Highway 25 and take a left onto the E383815R road to enter Unit 7. To Units 11-13: From the intersection of State Highway 25 and the Williams Lake Road travel north on State Highway 25 for 0.9 miles and take a left onto the E383810G road to enter Unit 11. From the intersection of State Highway 25 and the E383810G road travel an additional 0.2 miles and take a right onto the E383810F road through the gate to enter U13.



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

DRIVING DIRECTIONS:
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**STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES
LOG SALE AND PURCHASE CONTRACT
AGREEMENT NO. 30-0104422**

SALE NAME: Q NORTH WILLIAMS SORT 08

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

Section G: General Terms

G-001.2 Definitions

The following definitions apply throughout this contract;

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

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

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

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

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

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

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

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

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

G-010.2 Products Sold and Sale Area

Purchaser was the successful bidder on June 6, 2023 and sale was confirmed on _____. The State, as owner, agrees to sell and deliver to the Purchaser logs meeting the log sort specifications as described in the G-022.2 clause. Logs will be delivered from the Q NORTH WILLIAMS SORTS Timber Sale described as parts of Sections 10, 11, 15, 23, 24, and 25 all in Township 38 North, Range 38 East W.M., in Stevens 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
104422	8	All conifer species except WRC 2"+ utility	

HQ: Surface characteristics for high quality (HQ) log sorts will have sound tight knots not to exceed 1.5 inches in diameter, may include logs with not more than two larger knots up to 2.5 inches in diameter. Logs will have a growth ring count of 6 or more rings per inch in the outer third of the top end of the log.

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
104422	08	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.

G-025 Schedules

The following attached schedules are hereby incorporated by reference:

Schedule	Title
A	Sort Specifications

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 10 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 January 31, 2024.

G-050.2 Contract Term Extension

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

G-054.2 Early Contract Termination

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

G-056.2 Force Majeure

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

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

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

G-060.2 Exclusion of Warranties

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

SPECIFIC MATTERS ARE NOT WARRANTED, and are EXCLUDED from this transaction:

- a. The MERCHANTABILITY of the forest products. The use of the term "merchantable" in any document is not intended to vary the foregoing.
- b. The CONDITION of the forest products. The forest products will be conveyed "AS IS."
- c. THE VOLUME, WEIGHT, QUANTITY, OR QUALITY, of the forest products to be harvested. The descriptions of the forest products to be conveyed, are estimates only, made solely for administrative and identification purposes. The timing of forest product deliveries.
- d. Items contained in any other documents prepared for or by the State.

G-065 Regulatory Disclaimer

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

G-070.2 Limitation on Damage

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

G-112.2 Title

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

G-116.2 Sustainable Forestry Initiative® (SFI) Certification

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

G-160.2 Agents

The State's rights and duties will be exercised by the Region Manager at 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 address of record, so that their receipt may be acknowledged.

G-026.2 Log Delivery Destination

G-027.2 Log Delivery and Schedule Conditions

G-210.2 Violation of Contract

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

G-210.2 Violation of Contract

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

G-240.2 Dispute Resolution

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

- a. In the event of a dispute, Purchaser must make a written request to the Region Manager for resolution prior to seeking other relief.
- b. The Region Manager will issue a written decision on Purchaser's request within five business days.
- c. Within five business days of receipt of the Region Manager's decision, the Purchaser may make a written request for resolution to the Deputy Supervisor - Uplands of the Department of Natural Resources.
- d. Unless otherwise agreed, the Deputy Supervisor - Uplands will hold a conference within 15 calendar days of the receipt of Purchaser's request for review of the Region Manager's written decision. Purchaser and the Region Manager will have an opportunity to present their positions. The Deputy Supervisor - Uplands will issue a decision within a reasonable time of being presented with both Parties' positions.

G-252.2 Forest Excise Tax

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

G-253.2 Harvesting Cost Information

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

G-260 Venue

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

G-330.2 Contract Review

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

Section P: Payments and Securities**P-010 Initial Deposit**

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

to ensure full payment of the contract price, or not needed to complete any remaining obligations of the Purchaser existing after contract expiration, will be refunded to the Purchaser.

P-028.2 Payment for Forest Products Delivered

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

\$0.00/Ton

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

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

P-036.2 Missorts and Payment Reduction for Delivered Forest Products

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

However, when mis-sorted Forest Products amount to more than 5% of the total delivered sort volume, Purchaser may request approval for payment reduction for delivered volume exceeding the mis-sort threshold.

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

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

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

Where:

B = Bid rate from P-028.2 clause

M = Mis-sorted volume exceeding threshold excluding utility

R = Reduction factor*

0.2 for diameter mis-sort

0.3 for high quality mis-sort

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

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

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

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

P-037.2 Mismanufacture and Payment Reduction for Delivered Forest Products

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

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

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

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

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

Where:

B = Bid rate from P-028.2 clause

M = Mis-manufactured volume exceeding threshold excluding utility

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

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

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

P-039.2 Tonnage Sort Payment Reduction Requirements

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

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

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

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

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

P-040.2 Weighing and Scaling Costs

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

P-045.2 Guarantee of Payment

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

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

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

P-050.2 Billing and Payment Procedure for Forest Products Delivered

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

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

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

P-080 Payment Account Refund

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

Section L: Log Definitions and Accountability**L-010.2 Forest Products Conveyed**

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

L-014.2 Sorts Delivered to Incorrect Destination

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

L-071.2 Log and Load Reporting Service

This contract may at the States discretion, require the services of a State approved third party log and load reporting service. Purchaser shall ensure log volume measurement, weight, or scale and weight data for each load is received by the log and load reporting service within 2 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 enroute to final destinations. Forest products from this sale shall be measured or weighed at facilities, which are currently approved for use by the State and are currently authorized for this sale. The State reserves the right to verify load volume and weights with State employees or contractors at the State's own expense. The State reserves the right to revoke the authorization of previously approved measurement locations.

Section D: Damages**D-010 Liquidated Damages**

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

D-026.2 Damages for Delivery Interruptions and Load Non-Acceptance

- a. Purchaser's failure to accept delivery of forest products due to an extended delivery interruption exceeding the limits as described in the G-027.2 (c) clause, results in substantial injury to the State. The Purchaser shall pay the State liquidated damages at a rate of \$1,000.00 per each day of breach, until breach is remedied.

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

D-027.2 Failure to Accept Forest Products Sold

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

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

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

Where:

- LD = Liquidated Damages
V = The stumpage value remaining in the sale area at the date of work stoppage. This will be determined by multiplying the contract bid rate contained in the P-028.2 clause for all sorts originating in the sale area, by the State's estimate of the remaining volume, less the cost of harvesting and delivery associated with each sort.
I = Initial Deposit
C = Costs associated with required harvesting services and road construction services prior to work stoppage but not amortized or paid.
A = Administrative fee = \$2,500.00
P = Advance payments received exceeding the value of logs delivered under this contract.

The above formula reflects the Purchaser's forfeiture of the initial deposit in accordance with clause P-010 by deducting the initial deposit from the amount owed. In no event shall the liquidated damages be less than zero. Interest on the liquidated

damage is owed from the date of the work stoppage until final payment, calculated using the following formula:

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

Where:

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

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

D-030.2 Inadequate Log Accountability

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

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

SIGNATURES

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

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

STATE OF WASHINGTON
DEPARTMENT OF NATURAL RESOURCES

Purchaser

Ken McNamee

Print Name

Northeast Region Manager

Date: _____

Date: _____

Address: _____

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

STATE OF _____)

COUNTY OF _____)

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

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

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

Notary Public in and for the State of

My appointment expires _____

Schedule A
Sort Specifications

Sort #1: Douglas-fir and western larch 7 inches to 10 inches in diameter inside the bark. If Purchaser designates peeler lengths, then chuckability standards apply to the logs. Non-chuckable logs will be delivered to the Purchaser of Sort #8. If the Purchaser designates sawlog lengths, then all Douglas-fir and western larch sawlogs will be delivered to the Purchaser of this sort and none will be delivered to the Purchaser of Sort #8.

Sort #2: Douglas-fir and western larch 11 inches and greater in diameter inside the bark. If Purchaser designates peeler lengths, then chuckability standards apply to the logs. Non-chuckable logs will be delivered to the Purchaser of Sort #4. If the Purchaser designates sawlog lengths, then all Douglas-fir and western larch sawlogs will be delivered to the Purchaser of this sort and none will be delivered to the Purchaser of Sort #3.

Sort #3: Lodgepole pine, grand fir and white pine 11 inches and greater in diameter inside the bark. See Sort #2 description for handling procedures for Douglas-fir and western larch.

Sort #4: Ponderosa pine 6 inches to 10 inches in diameter inside the bark.

Sort #5: Ponderosa pine 11 inches and greater in diameter inside the bark.

Sort #6: Western red cedar 5 inches and greater in diameter inside the bark.

Sort #7: Douglas-fir, western larch, lodgepole pine, grand fir and white pine 5 inches to 6 inches in diameter inside the bark.

Sort #8: All conifer species except western red cedar 2 inches and greater in diameter inside the bark utility. See Sort #1 description for handling procedures for Douglas-fir and western larch non-chuckable

PRE-CRUISE NARRATIVE

Sale Name: North Williams Sorts	Region: Northeast
Agreement #: 30-104000	District: North Columbia
Contact Forester: Chris Hosch Phone / Location: 675-2625	County(s): Stevens, Choose a county
Alternate Contact: Jerry Richart Phone / Location: (509)640-8487	Other information: Click here to enter text.

Type of Sale: Log Sort (Contract harvest)	
Harvest System: Select harvest system Ground based	100%
Harvest System: Select harvest system Click here to enter text.	Click here to enter percent sale acres.
Enter % of sale acres	

UNIT ACREAGES AND METHOD OF DETERMINATION:

Unit #	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	T. 38, R. 38, Sec. 25	04 & 10	10.3			.27		10.0	GPS (Garmin)
2	T. 38, R. 38, Secs. 24 & 25	04 & 10	41.3			1.1		40.2	GPS (Garmin)
3	T. 38, R. 38, Sec. 24 & 25	04 & 10	67.2			.95		66.3	GPS (Garmin)
4	T. 38, R. 38, Sec. 24	04 & 10	63.4			2.1		61.3	GPS (Garmin)
5	T. 38, R. 38, Sec. 23	08	68.4			2.9		65.5	GPS (Garmin)
6	T. 38, R. 38, Sec. 23	08 & 10	87.7			1.0		86.7	GPS (Garmin)

7	T. 38, R. 38, Sec. 15	08	14.0		.11		13.9	GPS (Garmin)
8	T. 38, R. 38, Sec. 15	08	13.6		.15		13.5	GPS (Garmin)
9	T. 38, R. 38, Sec. 15	08	29.2		.8		28.4	GPS (Garmin)
10	T. 38, R. 38, Secs. 10, 11, 15	06 & 08	156.2		1.37		154.8	GPS (Garmin)
11	T. 38, R. 38, Sec. 10	06	21.0		.96		20.0	GPS (Garmin)
12	T. 38, R. 38, Sec. 10	06	12.2		1.05		11.2	GPS (Garmin)
13	T. 38, R. 38, Sec. 11	06	21.9		.49		21.4	GPS (Garmin)
TOTAL ACRES			606.4		13.3		593.1	

HARVEST PLAN AND SPECIAL CONDITIONS:

Unit #	Harvest Prescription: (Leave, take, paint color, tags, flagging etc.)	Special Management areas:	Other conditions (# leave trees, etc.)
1	Leave all trees banded with purple paint. Leave all hardwoods.		Approximately 6 TPA > 10" DBH to be left.
2	Leave all trees banded with purple paint. Leave all hardwoods.		Approximately 6 TPA > 10" to be left.
3	Leave all trees banded with purple paint. Leave all hardwoods.		Approximately 6 TPA > 10" to be left.
4	Leave all trees banded with purple paint. Leave all hardwoods.		Approximately 6 TPA > 10" to be left.
5	Leave all trees banded with purple paint. Leave all hardwoods.		Approximately 6 TPA > 10" to be left.
6	Leave all trees banded with purple paint. Leave all hardwoods.		Approximately 6 TPA > 10" to be left.
7	Leave all trees banded with purple paint. Leave all hardwoods.		Approximately 21 TPA > 10" to be left.
8	Leave all trees banded with purple paint. Leave all hardwoods.		Approximately 21 TPA > 10" to be left.
9	Leave all trees banded with purple paint. Leave all hardwoods.		Approximately 6 TPA > 10" to be left.
10	Leave all trees banded with purple paint. Leave all hardwoods.		Approximately 6 TPA > 10" to be left.

11	Leave all trees banded with purple paint. Leave all hardwoods.		Approximately 6 TPA > 10" to be left.
12	Leave all trees banded with purple paint. Leave all hardwoods.		Approximately 6 TPA > 10" to be left.
13	Leave all trees banded with purple paint. Leave all hardwoods.		Approximately 6 TPA > 10" to be left.

OTHER PRE-CRUISE INFORMATION:

Unit #	Primary,secondary Species / Estimated Volume (MBF)	Access information (Gates, locks, etc.)	Photos, traverse maps required
1	40	Access off of Williams Lake County Road	
2	161	Access off of Williams Lake County Road	
3	265	Access off of Williams Lake County Road	
4	613	Access off of Williams Lake County Road	
5	262	Access off of Williams Lake County Road	
6	390	Access off of Williams Lake County Road	
7	21	Access off of State Highway 25	
8	21	Access off of State Highway 25	
9	142	Access off of Williams Lake County Road	
10	1,084	Access off of Williams Lake County Road	
11	160	Access off of State Highway 25	
12	67	Access off of State Highway 25	
13	107	Access off of State Highway 25	
TOTAL MBF	3,333		

REMARKS:

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Prepared By: Chris Hosch Date: 8/24/2022	Title: NC Silviculture Unit Forester	CC:
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Timber Sale Cruise Report North Williams Sorts

Sale Name: Q NORTH WILLIAMS SORTS

Sale Type: SORT

Region: NORTHEAST

District: NO COLUMBIA

Lead Cruiser: Jake Culp

Other Cruisers:

Cruise Narrative:

Location:

Legal – Sections 10, 11, 15, 23, 24, and 25 of T38N R38E.

General – Approx. 15 miles north of Colville, WA in Stevens County.

Access – Units 1, 2, 3, 4, 5, 6, 9, and 10 are accessed from Williams Lake Rd. Units 7, 8, 11, 12, and 13 are accessed from Hwy 25.

Cruise Design:

-This sale was cruised using variable radius plots, utilizing the cruise-count method. The walk-through method was used on plots near boundaries.

-Minor species cruise intensity: We grade the first tree of all minor species encountered; then follow the set cruise design.

-Min. DBH: 8" DBH for PP and RC, 7" DBH for all other species

-Log Length: 32' logs where possible, minimum of 12' lengths

-Top DIB: Trees less than 17.5" DBH have a minimum top of 4.6" DIB for all species; Trees 17.6" and greater DBH have a minimum top DOB of 40% of DOB at 16' or a 6" top, whichever is greater.

Take/Leave Prescription:

Cut all trees not marked with purple paint. Leave all hardwoods.

Cruise Acres determination:

FMA unit acreages with existing road acreages removed.

Stand composition:

The stands are second growth, even aged ponderosa pine and Douglas fir. The majority of the units are approx. 15-20 year old seed tree cuts. Small pockets of western red cedar can be found in units 1, 2, and 4. Unit 6 has a heavy regeneration/brush component throughout. Large residuals and legacy trees were seen throughout the sale area.

Timber quality:

Timber to be harvested is comprised of domestic quality ponderosa pine (56%), Douglas fir (31%), western larch (7%), western red cedar (5%), lodgepole pine (1%), and less than 1% for both grand fir and western white pine. Unit 2 contains approx. 2 loads of RC poles and Unit 4 contains approx. 3 loads of RC poles. There is about 3-4 loads of 3 and 4 saw DF logs in Unit 11 that is not represented by the plot data.

Stand health/defect:

Majority of defect in the sale comes from physical damage (forks, crooks, and sweeps). Defect is generally low throughout the sale.

Aspect:

South, Southeast, Southwest, Northeast

Elevation:

1400'-2700'

Harvesting methods:

100% ground based

Slope:

Unit 1- Max 35%, Avg. 15%

Unit 2- Max 35%, Avg. 10%

Unit 3- Max 35%, Avg. 8%

Unit 4- Max 35%, Avg. 10%

Unit 5- Max 45%, Avg. 10%

Unit 6- Max 47%, Avg. 14%

Unit 7- Max 60%, Avg. 25%

Unit 8- Max 25%, Avg. 6%

Unit 9- Max 50%, Avg. 8%

Unit 10- Max 30%, Avg. 5%

Unit 11- Max 25%, Avg. 8%

Unit 12- Max 7%, Avg. 2%

Unit 13- Max 50%, Avg. 11%

Other considerations/remarks:

This sale is generally flat and is good operator ground. Unit 4 has some short, steep pitches with areas of small cliffs and scree. Unit 10 has an existing fence line in the southeast corner of the unit (see map) that could potentially affect harvest activity.

Trust:

This sale is 53% Trust 8, 18% Trust 10, 17% Trust 6, and 10% Trust 4.

Timber Sale Notice Volume (MBF)

Sp	DBH	Rings/In	Age	MBF Volume by Grade					Utility
				All	2 Saw	3 Saw	4 Saw	5 Saw	
PP	15.3			1,840			819	1,020	1
DF	13.3			1,023	305	547	126		46
WL	14.0			230	59	128	35		8
RC	18.6			168		161	7		
LP	12.8			28	7	12	9		1
GF	8.7			3			2		0
WP	9.8			2			2		0
ALL	14.4			3,293	370	847	1,001	1,020	56

Timber Sale Notice Weight (tons)

Sp	Tons by Grade					
	All	2 Saw	3 Saw	4 Saw	5 Saw	Utility
PP	9,696			3,761	5,931	4
DF	6,666	1,674	3,640	933		420

Sp	Tons by Grade					
	All	2 Saw	3 Saw	4 Saw	5 Saw	Utility
WL	1,294	268	776	200		50
RC	795		747	48		
LP	135	28	57	47		3
GF	21			19		2
WP	17			15		1
ALL	18,624	1,970	5,220	5,022	5,931	481

Timber Sale Overall Cruise Statistics (Cut + Leave Trees)

BA (sq ft/acre)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR SE (%)	Net Vol (bf/acre)	Vol SE (%)
61.0	3.9	124.8	3.1	7,599	5.1

Timber Sale Unit Cruise Design

Unit	Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
NORTH WILLIAMS U1	B1C: VR, 1 BAF (20) Measure/ Count Plots, Sighting Ht = 4.5 ft	10.0	10.3	6	3	2
NORTH WILLIAMS U2	B1C: VR, 1 BAF (20) Measure/ Count Plots, Sighting Ht = 4.5 ft	40.2	41.3	25	6	1
NORTH WILLIAMS U3	B1C: VR, 1 BAF (20) Measure/ Count Plots, Sighting Ht = 4.5 ft	66.3	67.2	36	10	1
NORTH WILLIAMS U4	B1C: VR, 1 BAF (20) Measure/ Count Plots, Sighting Ht = 4.5 ft	61.3	63.4	30	9	1
NORTH WILLIAMS U5	B1C: VR, 1 BAF (20) Measure/ Count Plots, Sighting Ht = 4.5 ft	65.5	68.4	36	9	2
NORTH WILLIAMS U6	B1C: VR, 1 BAF (20) Measure/ Count Plots, Sighting Ht = 4.5 ft	86.7	87.7	38	10	4
NORTH WILLIAMS U7	B1C: VR, 1 BAF (20) Measure/ Count Plots, Sighting Ht = 4.5 ft	13.9	14.0	11	6	0
NORTH WILLIAMS U8	B1C: VR, 1 BAF (20) Measure/ Count Plots, Sighting Ht = 4.5 ft	13.5	13.6	11	4	0
NORTH WILLIAMS U9	B1C: VR, 1 BAF (20) Measure/ Count Plots, Sighting Ht = 4.5 ft	28.4	29.2	21	8	1
NORTH WILLIAMS U10	B1C: VR, 1 BAF (20) Measure/ Count Plots, Sighting Ht = 4.5 ft	154.8	156.3	56	14	2
NORTH WILLIAMS U11	B1C: VR, 1 BAF (20) Measure/ Count Plots, Sighting Ht = 4.5 ft	20.0	21.0	15	8	0
NORTH WILLIAMS U12	B1C: VR, 1 BAF (20) Measure/ Count Plots, Sighting Ht = 4.5 ft	11.2	12.2	9	5	0
NORTH	B1C: VR, 1 BAF (20) Measure/	21.4	21.9	14	5	0

Unit	Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
WILLIAMS U13	Count Plots, Sighting Ht = 4.5 ft					
All		593.2	606.4	308	97	14

Timber Sale Log Grade x Sort Summary

Sp	Status	Grade	Sort	Dia	Len	BF Gross	BF Net	Defect %	Tons	MBF Net
DF	LIVE	2 SAW	Domestic	14.3	32	522	514	1.4	1,673.4	305.2
DF	LIVE	3 SAW	Domestic	7.7	32	932	921	1.1	3,639.7	546.6
DF	LIVE	4 SAW	Domestic	5.2	21	226	212	5.8	933.0	126.0
DF	LIVE	UTILITY	Pulp	3.2	19	77	77	0.0	420.1	45.6
GF	LIVE	4 SAW	Domestic	5.0	26	4	4	0.0	18.5	2.3
GF	LIVE	UTILITY	Pulp	3.1	12	1	1	0.0	2.3	0.4
LP	LIVE	2 SAW	Domestic	12.7	32	11	11	0.0	28.2	6.5
LP	LIVE	3 SAW	Domestic	10.0	32	20	20	0.0	57.1	11.7
LP	LIVE	4 SAW	Domestic	5.1	22	15	15	0.0	46.6	8.8
LP	LIVE	UTILITY	Pulp	3.0	12	1	1	0.0	2.9	0.6
PP	LIVE	4 SAW	Domestic	13.7	32	1,402	1,381	1.5	3,760.9	819.3
PP	LIVE	5 SAW	Domestic	7.2	25	1,773	1,720	3.0	5,930.9	1,020.1
PP	LIVE	UTILITY	Pulp	6.0	13	1	1	0.0	3.9	0.6
RC	LIVE	3 SAW	Domestic	10.9	31	279	271	3.0	747.4	160.8
RC	LIVE	4 SAW	Domestic	6.4	17	12	12	1.9	47.8	7.2
WL	LIVE	2 SAW	Domestic	13.4	32	99	99	0.0	268.2	58.5
WL	LIVE	3 SAW	Domestic	8.5	32	215	215	0.0	775.5	127.8
WL	LIVE	4 SAW	Domestic	5.3	24	60	60	0.0	199.9	35.3
WL	LIVE	UTILITY	Pulp	3.0	18	13	13	0.0	50.4	7.9
WP	LIVE	4 SAW	Domestic	5.2	28	3	3	0.0	15.4	1.8
WP	LIVE	UTILITY	Pulp	3.2	13	0	0	0.0	1.4	0.3

Timber Sale Log Sort x Diameter Bin Summary

Sp	Bin	Status	Sort	Dia	Len	BF Net	Defect %	Tons	MBF Net
DF	< 5	LIVE	Pulp	3.1	18	67	0.0	302.3	39.9
DF	5 - 6	LIVE	Pulp	5.0	26	10	0.0	117.9	5.7
DF	5 - 6	LIVE	Domestic	5.4	25	385	4.3	1,637.1	228.1
DF	7 - 10	LIVE	Domestic	8.4	32	696	0.9	2,753.7	413.1
DF	11+	LIVE	Domestic	13.7	32	567	1.3	1,855.3	336.6
GF	< 5	LIVE	Pulp	3.1	12	1	0.0	2.3	0.4
GF	5 - 6	LIVE	Domestic	5.0	26	4	0.0	18.5	2.3

Sp	Bin	Status	Sort	Dia	Len	BF Net	Defect %	Tons	MBF Net
LP	< 5	LIVE	Pulp	3.0	12	1	0.0	2.9	0.6
LP	5 - 6	LIVE	Domestic	5.1	23	15	0.0	46.6	8.8
LP	7 - 10	LIVE	Domestic	8.2	32	4	0.0	13.1	2.6
LP	11+	LIVE	Domestic	11.4	32	26	0.0	72.2	15.6
PP	6 - 10	LIVE	Pulp	6.0	13	1	0.0	3.9	0.6
PP	6 - 10	LIVE	Domestic	7.0	25	1,470	3.1	5,121.5	872.3
PP	11+	LIVE	Domestic	12.9	32	1,630	1.6	4,570.4	967.1
RC	5+	LIVE	Domestic	9.4	27	283	2.9	795.2	167.9
WL	< 5	LIVE	Pulp	3.0	19	13	0.0	50.4	7.9
WL	5 - 6	LIVE	Domestic	5.4	26	70	0.0	237.0	41.3
WL	7 - 10	LIVE	Domestic	8.5	32	193	0.0	699.0	114.5
WL	11+	LIVE	Domestic	12.6	32	111	0.0	307.6	65.8
WP	< 5	LIVE	Pulp	3.2	13	0	0.0	1.4	0.3
WP	5 - 6	LIVE	Domestic	5.2	28	3	0.0	15.4	1.8

Cruise Unit Report NORTH WILLIAMS U1

Unit Sale Notice Volume (MBF): NORTH WILLIAMS U1

Sp	DBH	Rings/In	Age	MBF Volume by Grade				
				All	3 Saw	4 Saw	5 Saw	Utility
RC	18.4			44	42	3		
DF	15.3			39	39			
PP	19.9			6		4	2	
WL	12.7			5	4	1		
GF	8.7			3		2		0
ALL	15.5			96	84	10	2	0

Unit Cruise Design: NORTH WILLIAMS U1

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	10.0	10.3	6	3	2

Unit Cruise Summary: NORTH WILLIAMS U1

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
RC	8	8	1.3	0
DF	1	9	1.5	0
PP	1	2	0.3	0
GF	1	2	0.3	0
WL	1	1	0.2	0
ALL	12	22	3.7	0

Unit Cruise Statistics (Cut + Leave Trees): NORTH WILLIAMS U1

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
RC	26.7	244.9	100.0	166.1	23.5	8.3	4,429	246.1	100.3
DF	30.0	214.0	87.3	144.9	0.0	0.0	4,348	214.0	87.3
PP	6.7	244.9	100.0	165.8	0.0	0.0	1,105	244.9	100.0
GF	6.7	244.9	100.0	82.4	0.0	0.0	549	244.9	100.0
WL	3.3	244.9	100.0	142.1	0.0	0.0	474	244.9	100.0
ALL	73.3	116.6	47.6	148.7	26.7	7.7	10,905	119.6	48.2

Unit Summary: NORTH WILLIAMS U1

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	1	ALL	15.3	70	88	3,865	3,865	0.0	20.9	26.7	6.8	38.7
GF	LIVE	CUT	1	ALL	8.7	43	53	275	275	0.0	8.1	3.3	1.1	2.7
PP	LIVE	CUT	1	ALL	19.9	78	104	553	553	0.0	1.5	3.3	0.7	5.5
RC	LIVE	CUT	8	ALL	18.4	75	95	4,633	4,429	4.4	14.4	26.7	6.2	44.3
WL	LIVE	CUT	1	ALL	12.7	65	81	474	474	0.0	3.8	3.3	0.9	4.7
ALL	LIVE	CUT	12	ALL	15.4	67	84	9,799	9,595	2.1	48.7	63.3	15.8	95.9
ALL	ALL	ALL	12	ALL	15.4	67	84	9,799	9,595	2.1	48.7	63.3	15.8	95.9

Cruise Unit Report NORTH WILLIAMS U2

Unit Sale Notice Volume (MBF): NORTH WILLIAMS U2

Sp	DBH	Rings/In	Age	MBF Volume by Grade					
				All	2 Saw	3 Saw	4 Saw	5 Saw	Utility
PP	18.7			108			58	50	
DF	14.4			61	25	29	5		2
RC	15.0			16		14	2		
ALL	16.4			185	25	43	65	50	2

Unit Cruise Design: NORTH WILLIAMS U2

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	40.2	41.3	25	6	1

Unit Cruise Summary: NORTH WILLIAMS U2

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
PP	8	48	1.9	0
DF	4	18	0.7	0
RC	3	3	0.1	0
ALL	15	69	2.8	0

Unit Cruise Statistics (Cut + Leave Trees): NORTH WILLIAMS U2

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
PP	38.4	78.0	15.6	116.0	23.1	8.2	4,453	81.4	17.6
DF	14.4	147.4	29.5	126.0	50.7	25.3	1,814	155.9	38.9
RC	2.4	500.0	100.0	169.6	53.8	31.1	407	502.9	104.7
ALL	55.2	42.2	8.4	120.9	44.3	11.4	6,674	61.2	14.2

Unit Summary: NORTH WILLIAMS U2

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	4	ALL	14.4	56	69	1,526	1,512	1.0	10.6	12.0	3.2	60.8
PP	LIVE	CUT	8	ALL	18.7	64	84	2,786	2,690	3.4	12.2	23.2	5.4	108.1
RC	LIVE	CUT	1	ALL	10.1	46	56	136	136	0.0	1.4	0.8	0.3	5.5

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
RC	LIVE	POLE	2	ALL	23.6	86	110	271	271	0.0	0.5	1.6	0.3	10.9
ALL	LIVE	POLE	2	ALL	23.6	86	110	271	271	0.0	0.5	1.6	0.3	10.9
ALL	LIVE	CUT	13	ALL	16.5	59	76	4,448	4,338	2.5	24.2	36.0	8.8	174.4
ALL	ALL	ALL	15	ALL	16.7	60	77	4,719	4,609	2.3	24.7	37.6	9.1	185.3

Cruise Unit Report NORTH WILLIAMS U3

Unit Sale Notice Volume (MBF): NORTH WILLIAMS U3

Sp	DBH	Rings/In	Age	MBF Volume by Grade			
				All	3 Saw	4 Saw	5 Saw
PP	13.8			239		76	163
DF	17.4			6	5	1	
LP	8.0			2		2	
ALL	13.2			246	5	79	163

Unit Cruise Design: NORTH WILLIAMS U3

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	66.3	67.2	36	10	1

Unit Cruise Summary: NORTH WILLIAMS U3

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
PP	15	78	2.2	0
DF	1	5	0.1	0
LP	1	1	0.0	0
ALL	17	84	2.3	0

Unit Cruise Statistics (Cut + Leave Trees): NORTH WILLIAMS U3

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
PP	43.3	46.2	7.7	109.9	40.0	10.3	4,761	61.1	12.9
DF	2.8	252.5	42.1	75.1	0.0	0.0	209	252.5	42.1
LP	0.6	600.0	100.0	54.4	0.0	0.0	30	600.0	100.0
ALL	46.7	46.9	7.8	107.1	41.0	9.9	5,000	62.3	12.7

Unit Summary: NORTH WILLIAMS U3

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	1	ALL	17.4	53	65	83	83	0.0	0.7	1.1	0.3	5.5
LP	LIVE	CUT	1	ALL	8.0	35	42	30	30	0.0	1.6	0.6	0.2	2.0
PP	LIVE	CUT	15	ALL	13.8	55	71	3,649	3,601	1.3	31.6	32.8	8.8	238.8

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
ALL	LIVE	CUT	17	ALL	13.7	54	69	3,763	3,715	1.3	33.9	34.4	9.3	246.3
ALL	ALL	ALL	17	ALL	13.7	54	69	3,763	3,715	1.3	33.9	34.4	9.3	246.3

Cruise Unit Report NORTH WILLIAMS U4

Unit Sale Notice Volume (MBF): NORTH WILLIAMS U4

Sp	DBH	Rings/In	Age	MBF Volume by Grade					Utility
				All	2 Saw	3 Saw	4 Saw	5 Saw	
DF	13.3			499	158	253	76		12
PP	17.5			89			26	63	
RC	15.7			43		41	2		
WL	18.5			9	6	3	0		
ALL	14.5			639	164	296	104	63	12

Unit Cruise Design: NORTH WILLIAMS U4

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	61.3	63.4	30	9	1

Unit Cruise Summary: NORTH WILLIAMS U4

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	19	97	3.2	0
PP	7	36	1.2	0
RC	6	8	0.3	0
WL	1	2	0.1	0
ALL	33	143	4.8	0

Unit Cruise Statistics (Cut + Leave Trees): NORTH WILLIAMS U4

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	64.7	102.0	18.6	145.3	36.2	8.3	9,399	108.2	20.4
PP	24.0	122.6	22.4	98.5	24.3	9.2	2,365	125.0	24.2
RC	5.3	547.7	100.0	175.1	30.6	12.5	934	548.6	100.8
WL	1.3	380.6	69.5	207.2	0.0	0.0	276	380.6	69.5
ALL	95.3	73.0	13.3	136.1	39.4	6.9	12,974	83.0	15.0

Unit Summary: NORTH WILLIAMS U4

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	19	ALL	13.3	61	76	8,334	8,139	2.3	58.0	56.0	15.4	498.9
PP	LIVE	CUT	7	ALL	17.5	59	77	1,551	1,445	6.8	8.8	14.7	3.5	88.6
RC	LIVE	CUT	3	ALL	13.5	65	81	375	350	6.6	2.0	2.0	0.5	21.5
RC	LIVE	POLE	3	ALL	19.5	81	102	375	350	6.6	1.0	2.0	0.5	21.5
WL	LIVE	CUT	1	ALL	18.5	79	99	138	138	0.0	0.4	0.7	0.2	8.5
ALL	LIVE	CUT	30	ALL	13.9	61	76	10,398	10,073	3.1	69.2	73.3	19.6	617.5
ALL	LIVE	POLE	3	ALL	19.5	81	102	375	350	6.6	1.0	2.0	0.5	21.5
ALL	ALL	ALL	33	ALL	14.0	61	77	10,773	10,423	3.3	70.2	75.3	20.0	638.9

Cruise Unit Report NORTH WILLIAMS U5

Unit Sale Notice Volume (MBF): NORTH WILLIAMS U5

Sp	DBH	Rings/In	Age	MBF Volume by Grade					
				All	2 Saw	3 Saw	4 Saw	5 Saw	Utility
PP	13.4			139			44	95	1
DF	11.1			124	15	75	24		11
WL	15.2			43	8	31	3		1
LP	10.6			16		9	6		1
ALL	12.3			322	23	115	77	95	13

Unit Cruise Design: NORTH WILLIAMS U5

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	65.5	68.4	36	9	2

Unit Cruise Summary: NORTH WILLIAMS U5

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
PP	10	52	1.4	0
DF	8	31	0.9	0
WL	4	8	0.2	0
LP	2	3	0.1	0
ALL	24	94	2.6	0

Unit Cruise Statistics (Cut + Leave Trees): NORTH WILLIAMS U5

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
PP	28.9	86.7	14.4	112.4	44.5	14.1	3,247	97.5	20.2
DF	17.2	180.2	30.0	117.6	37.8	13.4	2,025	184.1	32.9
WL	4.4	189.7	31.6	167.3	15.4	7.7	744	190.4	32.6
LP	1.7	600.0	100.0	147.1	28.8	20.4	245	600.7	102.1
ALL	52.2	62.3	10.4	119.9	38.9	7.9	6,261	73.4	13.1

Unit Summary: NORTH WILLIAMS U5

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	8	ALL	11.1	54	66	1,946	1,894	2.7	24.0	16.1	4.8	124.1
LP	LIVE	CUT	2	ALL	10.6	49	60	245	245	0.0	2.7	1.7	0.5	16.1
PP	LIVE	CUT	10	ALL	13.4	51	65	2,132	2,123	0.4	19.3	18.9	5.2	139.0
WL	LIVE	CUT	4	ALL	15.2	75	95	651	651	0.0	3.1	3.9	1.0	42.6
ALL	LIVE	CUT	24	ALL	12.3	54	67	4,974	4,913	1.2	49.1	40.6	11.5	321.8
ALL	ALL	ALL	24	ALL	12.3	54	67	4,974	4,913	1.2	49.1	40.6	11.5	321.8

Cruise Unit Report NORTH WILLIAMS U6

Unit Sale Notice Volume (MBF): NORTH WILLIAMS U6

Sp	DBH	Rings/In	Age	MBF Volume by Grade					
				All	2 Saw	3 Saw	4 Saw	5 Saw	Utility
WL	13.7			162	45	82	30		5
DF	13.7			145	36	94	9		7
RC	21.6			64		64			
PP	13.8			26			16	10	
LP	17.5			10	7	3	0		
ALL	14.1			407	87	243	55	10	12

Unit Cruise Design: NORTH WILLIAMS U6

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	86.7	87.7	38	10	4

Unit Cruise Summary: NORTH WILLIAMS U6

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
DF	12	34	0.9	0
WL	3	24	0.6	0
RC	1	7	0.2	0
PP	3	14	0.4	0
LP	1	1	0.0	0
ALL	20	80	2.1	0

Unit Cruise Statistics (Cut + Leave Trees): NORTH WILLIAMS U6

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
DF	17.9	170.0	27.6	127.2	36.4	10.5	2,276	173.8	29.5
WL	12.6	153.6	24.9	161.1	26.1	15.1	2,035	155.8	29.1
RC	3.7	616.4	100.0	235.0	0.0	0.0	866	616.4	100.0
PP	7.4	263.4	42.7	114.2	53.1	30.7	841	268.7	52.6
LP	0.5	616.4	100.0	208.9	0.0	0.0	110	616.4	100.0
ALL	42.1	101.1	16.4	145.5	36.5	8.2	6,128	107.5	18.3

Unit Summary: NORTH WILLIAMS U6

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	12	ALL	13.7	57	70	1,702	1,673	1.7	12.9	13.2	3.6	145.1
LP	LIVE	CUT	1	ALL	17.5	79	100	110	110	0.0	0.3	0.5	0.1	9.5
PP	LIVE	CUT	3	ALL	13.8	51	66	300	300	0.0	2.5	2.6	0.7	26.1
RC	LIVE	CUT	0	ALL				495	495	0.0		2.1		42.9
RC	LIVE	POLE	1	ALL	21.6	88	112	247	247	0.0	0.4	1.1	0.2	21.4
WL	LIVE	CUT	3	ALL	13.7	72	91	1,865	1,865	0.0	11.3	11.6	3.1	161.7
ALL	LIVE	POLE	1	ALL	21.6	88	112	247	247	0.0	0.4	1.1	0.2	21.4
ALL	LIVE	CUT	19	ALL	13.8	63	79	4,472	4,444	0.6	27.0	30.0	7.5	385.3
ALL	ALL	ALL	20	ALL	13.9	64	79	4,720	4,691	0.6	27.4	31.1	7.7	406.7

Cruise Unit Report NORTH WILLIAMS U7

Unit Sale Notice Volume (MBF): NORTH WILLIAMS U7

Sp	DBH	Rings/In	Age	MBF Volume by Grade				
				All	3 Saw	4 Saw	5 Saw	Utility
PP	13.0			80		8	72	
DF	13.2			8	6	2		0
ALL	13.0			88	6	10	72	0

Unit Cruise Design: NORTH WILLIAMS U7

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	13.9	14.0	11	6	0

Unit Cruise Summary: NORTH WILLIAMS U7

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
WL		1	0.1	0
PP	17	57	5.2	0
DF	1	4	0.4	0
ALL	18	62	5.6	0

Unit Cruise Statistics (Cut + Leave Trees): NORTH WILLIAMS U7

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
WL	1.8	331.7	100.0						
PP	103.6	51.7	15.6	102.3	28.2	6.8	10,604	58.9	17.0
DF	7.3	138.7	41.8	161.0	0.0	0.0	1,171	138.7	41.8
ALL	112.7	51.0	15.4	106.2	29.3	6.9	11,968	58.8	16.8

Unit Summary: NORTH WILLIAMS U7

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	1	ALL	13.2	74	93	586	586	0.0	3.8	3.6	1.0	8.1
PP	LIVE	CUT	17	ALL	13.0	63	83	5,962	5,767	3.3	61.2	56.4	15.6	80.2
ALL	LIVE	CUT	18	ALL	13.0	64	83	6,548	6,353	3.0	65.0	60.0	16.6	88.3
ALL	ALL	ALL	18	ALL	13.0	64	83	6,548	6,353	3.0	65.0	60.0	16.6	88.3

Cruise Unit Report NORTH WILLIAMS U8

Unit Sale Notice Volume (MBF): NORTH WILLIAMS U8

Sp	DBH	Rings/In	Age	MBF Volume by Grade		
				All	4 Saw	5 Saw
PP	15.9			100	44	56
ALL	15.9			100	44	56

Unit Cruise Design: NORTH WILLIAMS U8

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	13.5	13.6	11	4	0

Unit Cruise Summary: NORTH WILLIAMS U8

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
WL		3	0.3	0
PP	11	57	5.2	0
ALL	11	60	5.5	0

Unit Cruise Statistics (Cut + Leave Trees): NORTH WILLIAMS U8

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
WL	5.5	171.3	51.6						
PP	103.6	46.3	14.0	127.7	31.3	9.4	13,238	55.9	16.9
ALL	109.1	39.6	11.9	127.7	31.3	9.4	13,935	50.5	15.2

Unit Summary: NORTH WILLIAMS U8

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
PP	LIVE	CUT	11	ALL	15.9	66	87	7,644	7,432	2.8	42.2	58.2	14.6	100.3
ALL	LIVE	CUT	11	ALL	15.9	66	87	7,644	7,432	2.8	42.2	58.2	14.6	100.3
ALL	ALL	ALL	11	ALL	15.9	66	87	7,644	7,432	2.8	42.2	58.2	14.6	100.3

Cruise Unit Report NORTH WILLIAMS U9

Unit Sale Notice Volume (MBF): NORTH WILLIAMS U9

Sp	DBH	Rings/In	Age	MBF Volume by Grade				
				All	2 Saw	3 Saw	4 Saw	5 Saw
PP	14.9			92			34	58
DF	21.1			20	15	5		
WL	12.5			4		3	1	
ALL	15.0			116	15	8	35	58

Unit Cruise Design: NORTH WILLIAMS U9

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	28.4	29.2	21	8	1

Unit Cruise Summary: NORTH WILLIAMS U9

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
PP	8	47	2.2	0
DF	1	9	0.4	0
WL	1	1	0.0	0
ALL	10	57	2.7	0

Unit Cruise Statistics (Cut + Leave Trees): NORTH WILLIAMS U9

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
PP	44.8	73.3	16.0	102.9	48.2	17.1	4,605	87.7	23.4
DF	8.6	157.8	34.4	105.9	0.0	0.0	908	157.8	34.4
WL	1.0	458.3	100.0	154.9	0.0	0.0	148	458.3	100.0
ALL	54.3	59.6	13.0	104.3	44.8	14.2	5,660	74.5	19.2

Unit Summary: NORTH WILLIAMS U9

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	1	ALL	21.1	65	81	706	706	0.0	2.7	6.7	1.5	20.0
PP	LIVE	CUT	8	ALL	14.9	60	78	3,350	3,233	3.5	26.0	31.4	8.1	91.8
WL	LIVE	CUT	1	ALL	12.5	71	89	148	148	0.0	1.1	1.0	0.3	4.2

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
ALL	LIVE	CUT	10	ALL	15.5	61	79	4,203	4,087	2.8	29.8	39.0	9.9	116.1
ALL	ALL	ALL	10	ALL	15.5	61	79	4,203	4,087	2.8	29.8	39.0	9.9	116.1

Cruise Unit Report NORTH WILLIAMS U10

Unit Sale Notice Volume (MBF): NORTH WILLIAMS U10

Sp	DBH	Rings/In	Age	MBF Volume by Grade					
				All	2 Saw	3 Saw	4 Saw	5 Saw	Utility
PP	15.5			718			427	291	
DF	13.2			60	26	25			10
ALL	15.1			778	26	25	427	291	10

Unit Cruise Design: NORTH WILLIAMS U10

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	154.8	156.3	56	14	2

Unit Cruise Summary: NORTH WILLIAMS U10

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
WL		2	0.0	0
PP	24	147	2.6	0
DF	3	11	0.2	0
ALL	27	160	2.9	0

Unit Cruise Statistics (Cut + Leave Trees): NORTH WILLIAMS U10

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
WL	0.7	524.3	70.1						
PP	52.5	60.6	8.1	129.9	38.1	7.8	6,821	71.6	11.2
DF	3.9	281.7	37.6	108.7	74.8	43.2	427	291.4	57.3
ALL	57.1	58.7	7.8	128.4	40.6	7.8	7,339	71.4	11.1

Unit Summary: NORTH WILLIAMS U10

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	3	ALL	13.2	52	64	388	388	0.0	3.8	3.6	1.0	60.1
PP	LIVE	CUT	24	ALL	15.5	57	74	4,719	4,640	1.7	27.3	35.7	9.1	718.2
ALL	LIVE	CUT	27	ALL	15.2	56	72	5,108	5,028	1.6	31.1	39.3	10.1	778.4
ALL	ALL	ALL	27	ALL	15.2	56	72	5,108	5,028	1.6	31.1	39.3	10.1	778.4

Cruise Unit Report NORTH WILLIAMS U11

Unit Sale Notice Volume (MBF): NORTH WILLIAMS U11

Sp	DBH	Rings/In	Age	MBF Volume by Grade					
				All	2 Saw	3 Saw	4 Saw	5 Saw	Utility
PP	17.9			111			65	46	
DF	9.9			13	10	1			2
ALL	15.5			124	10	1	65	46	2

Unit Cruise Design: NORTH WILLIAMS U11

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	20.0	21.0	15	8	0

Unit Cruise Summary: NORTH WILLIAMS U11

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
PP	12	43	2.9	0
DF	2	4	0.3	0
ALL	14	47	3.1	0

Unit Cruise Statistics (Cut + Leave Trees): NORTH WILLIAMS U11

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
PP	57.3	58.8	15.2	130.3	35.0	10.1	7,470	68.4	18.2
DF	5.3	171.7	44.3	159.4	95.7	67.7	850	196.5	80.9
ALL	62.7	52.4	13.5	132.8	45.6	12.2	8,320	69.4	18.2

Unit Summary: NORTH WILLIAMS U11

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	2	ALL	9.9	41	49	637	637	0.0	7.5	4.0	1.3	12.7
PP	LIVE	CUT	12	ALL	17.9	63	83	5,749	5,559	3.3	24.4	42.7	10.1	111.2
ALL	LIVE	CUT	14	ALL	16.4	58	75	6,386	6,197	3.0	31.9	46.7	11.4	123.9
ALL	ALL	ALL	14	ALL	16.4	58	75	6,386	6,197	3.0	31.9	46.7	11.4	123.9

Cruise Unit Report NORTH WILLIAMS U12

Unit Sale Notice Volume (MBF): NORTH WILLIAMS U12

Sp	DBH	Rings/In	Age	MBF Volume by Grade					
				All	2 Saw	3 Saw	4 Saw	5 Saw	Utility
PP	13.9			94			12	82	
DF	14.4			15	4	10	1		0
ALL	13.9			109	4	10	13	82	0

Unit Cruise Design: NORTH WILLIAMS U12

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	11.2	12.2	9	5	0

Unit Cruise Summary: NORTH WILLIAMS U12

Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
PP	15	46	5.1	0
DF	3	5	0.6	0
ALL	18	51	5.7	0

Unit Cruise Statistics (Cut + Leave Trees): NORTH WILLIAMS U12

Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
PP	102.2	65.2	21.7	96.9	31.2	8.1	9,909	72.3	23.2
DF	11.1	182.5	60.8	153.6	35.5	20.5	1,707	185.9	64.2
ALL	113.3	59.2	19.7	102.5	38.8	9.1	11,616	70.7	21.7

Unit Summary: NORTH WILLIAMS U12

Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	3	ALL	14.4	61	76	1,366	1,366	0.0	7.9	8.9	2.3	15.3
PP	LIVE	CUT	15	ALL	13.9	58	76	8,593	8,401	2.2	82.2	86.7	23.2	94.1
ALL	LIVE	CUT	18	ALL	13.9	59	76	9,958	9,766	1.9	90.1	95.6	25.6	109.4
ALL	ALL	ALL	18	ALL	13.9	59	76	9,958	9,766	1.9	90.1	95.6	25.6	109.4

Cruise Unit Report NORTH WILLIAMS U13

Unit Sale Notice Volume (MBF): NORTH WILLIAMS U13

Sp	DBH	Rings/In	Age	MBF Volume by Grade					Utility
				All	2 Saw	3 Saw	4 Saw	5 Saw	
PP	14.2			38			5	33	
DF	11.7			34	17	6	9		2
WL	9.3			8		6			2
WP	9.8			2			2		0
ALL	12.7			82	17	12	16	33	4

Unit Cruise Design: NORTH WILLIAMS U13

Design	Cruise Acres	FMA Acres	N Plots	N Cruise Plots	N Void Plots
B1C: VR, 1 BAF (20) Measure/Count Plots, Sighting Ht = 4.5 ft	21.4	21.9	14	5	0

Unit Cruise Summary: NORTH WILLIAMS U13

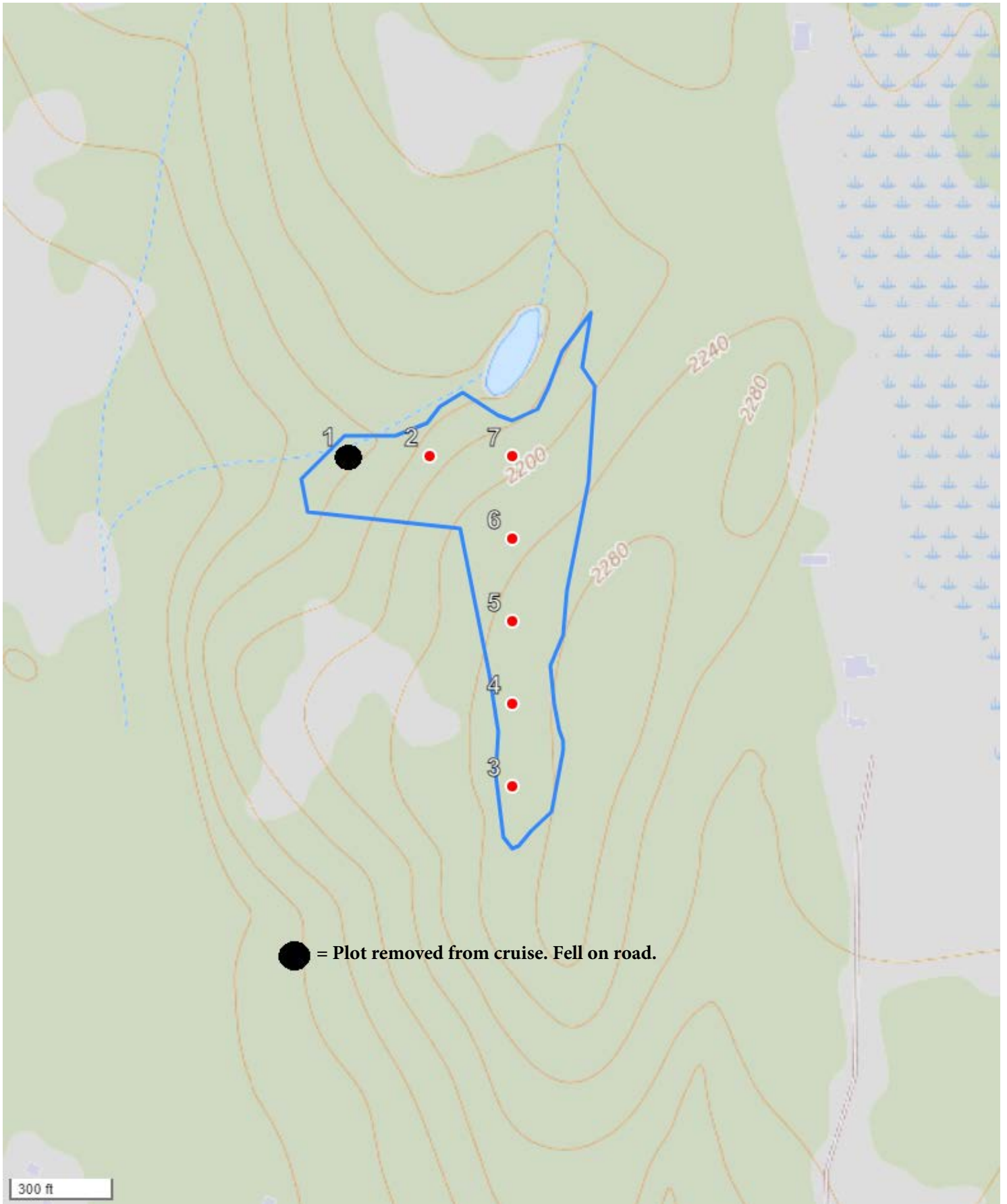
Sp	Cruised Trees	All Trees	Trees/Plot	Ring-Count Trees
PP	9	28	2.0	0
DF	2	9	0.6	0
WL	1	4	0.3	0
WP	1	1	0.1	0
ALL	13	42	3.0	0

Unit Cruise Statistics (Cut + Leave Trees): NORTH WILLIAMS U13

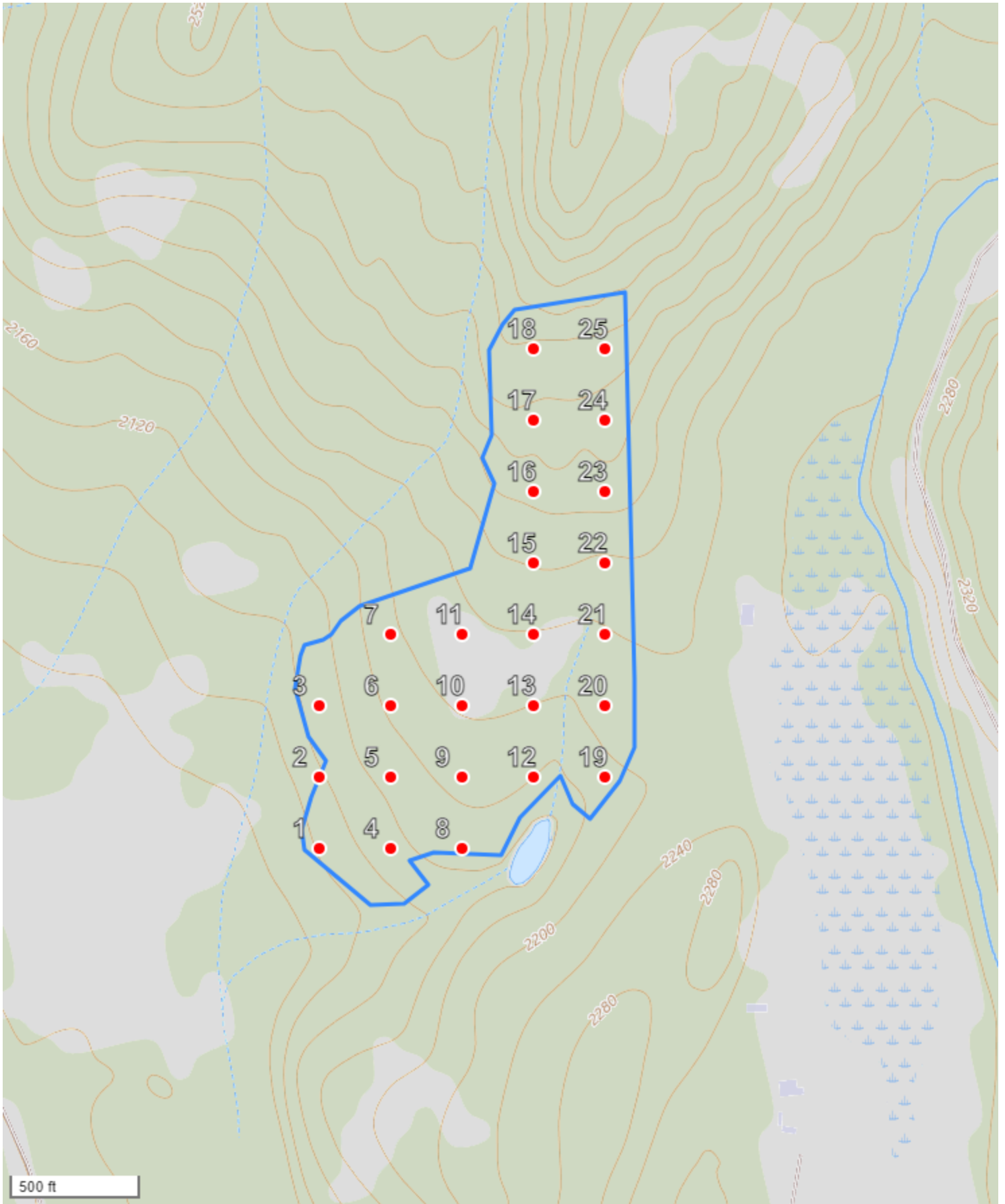
Sp	BA (sq ft/acre)	BA CV (%)	BA SE (%)	V-BAR (bf/sq ft)	V-BAR CV (%)	V-BAR SE (%)	Net Vol (bf/acre)	Vol CV (%)	Vol SE (%)
PP	40.0	70.7	18.9	73.1	29.2	9.7	2,926	76.5	21.3
DF	12.9	156.8	41.9	123.8	51.5	36.4	1,592	165.1	55.5
WL	5.7	213.9	57.2	127.2	0.0	0.0	727	213.9	57.2
WP	1.4	374.2	100.0	68.7	0.0	0.0	98	374.2	100.0
ALL	60.0	47.1	12.6	89.1	38.4	10.7	5,343	60.8	16.5

Unit Summary: NORTH WILLIAMS U13

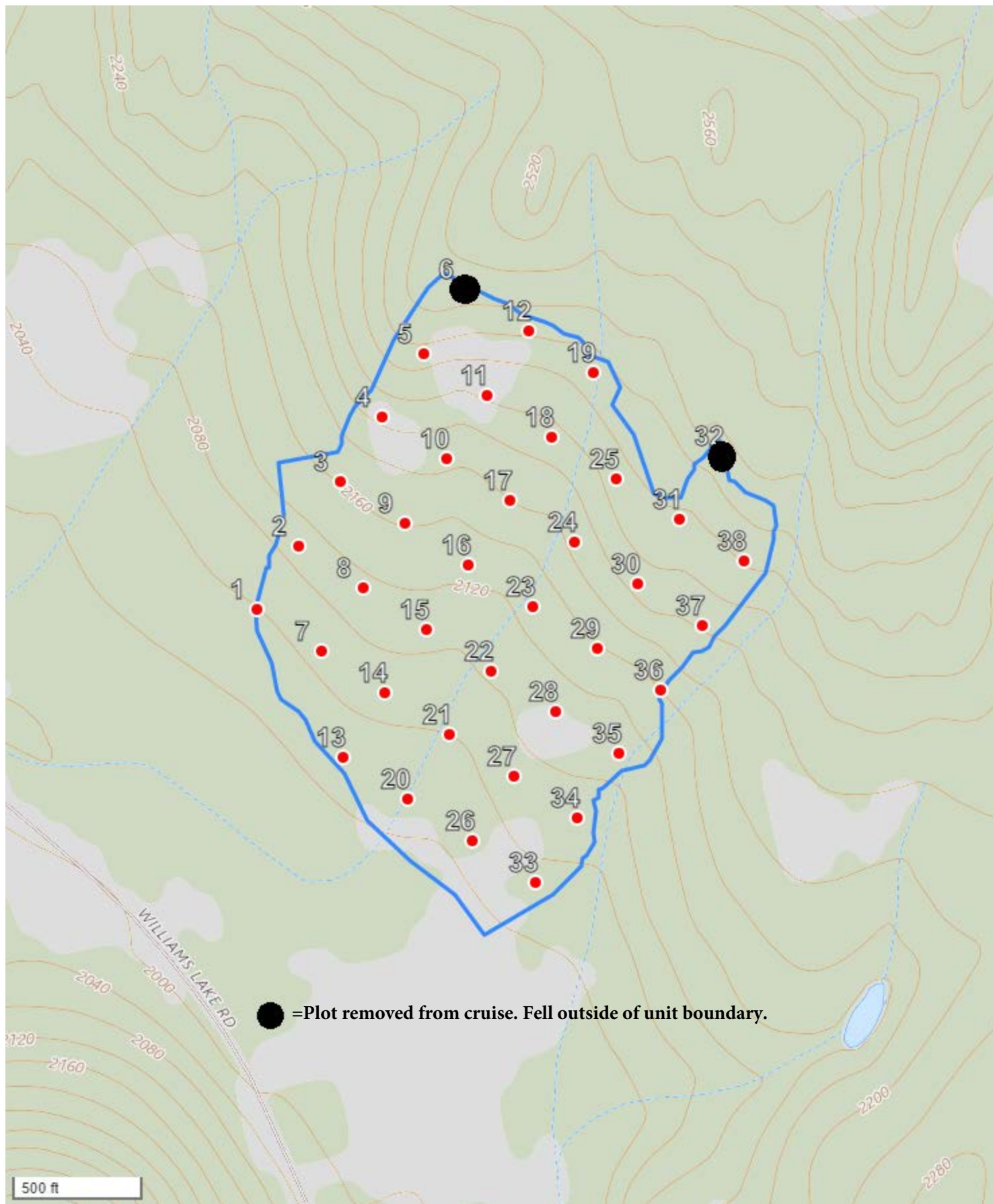
Sp	Status	Rx	N	D	DBH	BL	THT	BF Gross	BF Net	Defect %	TPA	BA	RD	MBF Net
DF	LIVE	CUT	2	ALL	11.7	47	57	1,592	1,592	0.0	17.2	12.9	3.8	34.1
PP	LIVE	CUT	9	ALL	14.2	55	72	1,897	1,776	6.4	22.1	24.3	6.4	38.0
WL	LIVE	CUT	1	ALL	9.3	56	69	363	363	0.0	6.1	2.9	0.9	7.8
WP	LIVE	CUT	1	ALL	9.8	46	56	98	98	0.0	2.7	1.4	0.5	2.1
ALL	LIVE	CUT	13	ALL	12.6	52	65	3,951	3,830	3.0	48.1	41.4	11.6	82.0
ALL	ALL	ALL	13	ALL	12.6	52	65	3,951	3,830	3.0	48.1	41.4	11.6	82.0



FMA Name: NORTH WILLIAMS U1	N Plots: 7	Plot Spacing: 236.7 ft
Grid Name: NORTH WILLIAMS U1 - 1	Acres Treated: 10	Main Azimuth: 0 deg



FMA Name: NORTH WILLIAMS U2	N Plots: 25	Plot Spacing: 273.3 ft
Grid Name: NORTH WILLIAMS U2 - 1	Acres Treated: 40.2	Main Azimuth: 0 deg



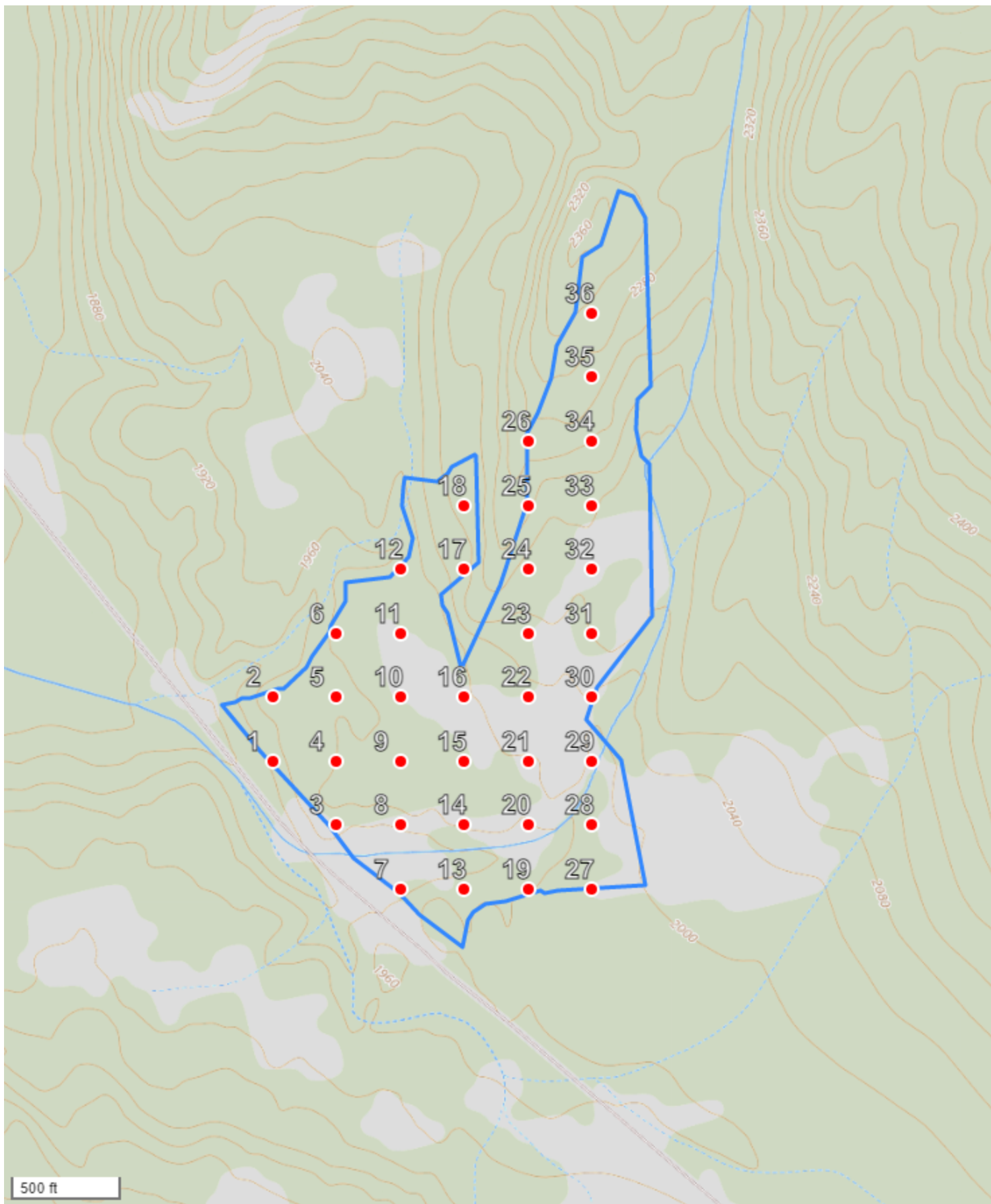
● =Plot removed from cruise. Fell outside of unit boundary.

FMA Name: NORTH WILLIAMS U3	N Plots: 38	Plot Spacing: 293.1 ft
Grid Name: NORTH WILLIAMS U3 - 1	Acres Treated: 66.3	Main Azimuth: 33 deg

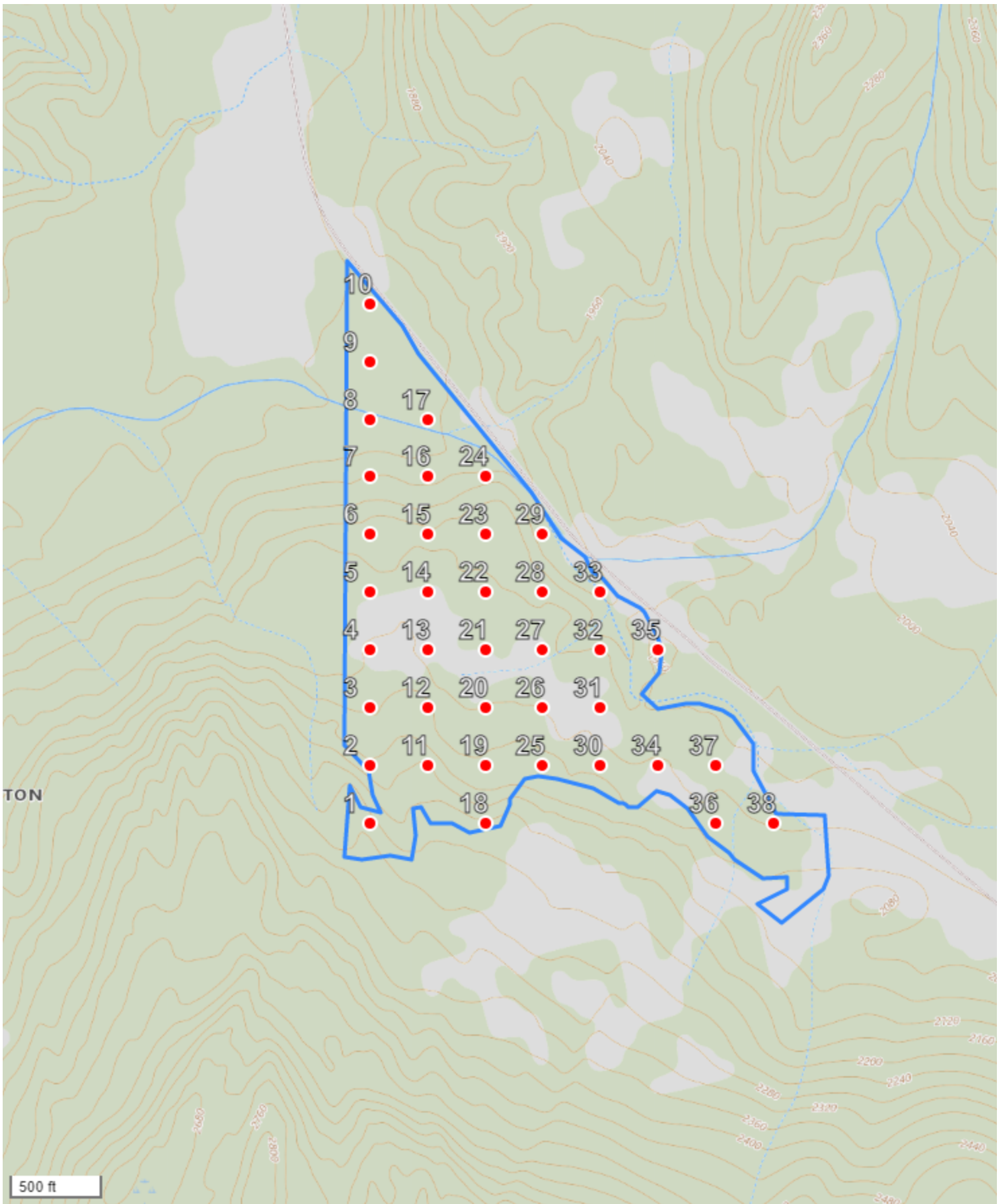


● = Plot removed from cruise. Fell on road.

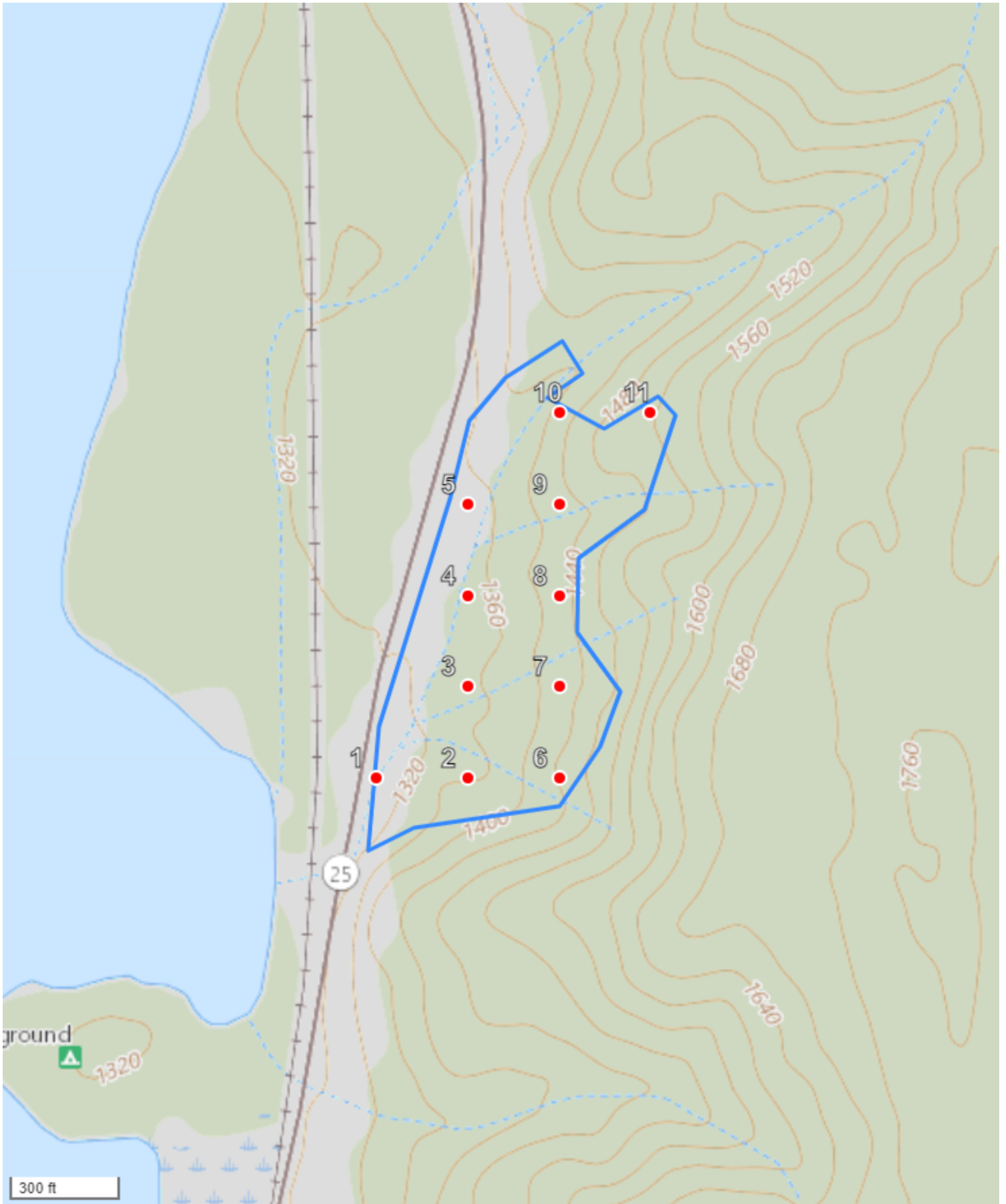
FMA Name: NORTH WILLIAMS U4	N Plots: 31	Plot Spacing: 293.3 ft
Grid Name: NORTH WILLIAMS U4 - 1	Acres Treated: 61.3	Main Azimuth: 0 deg



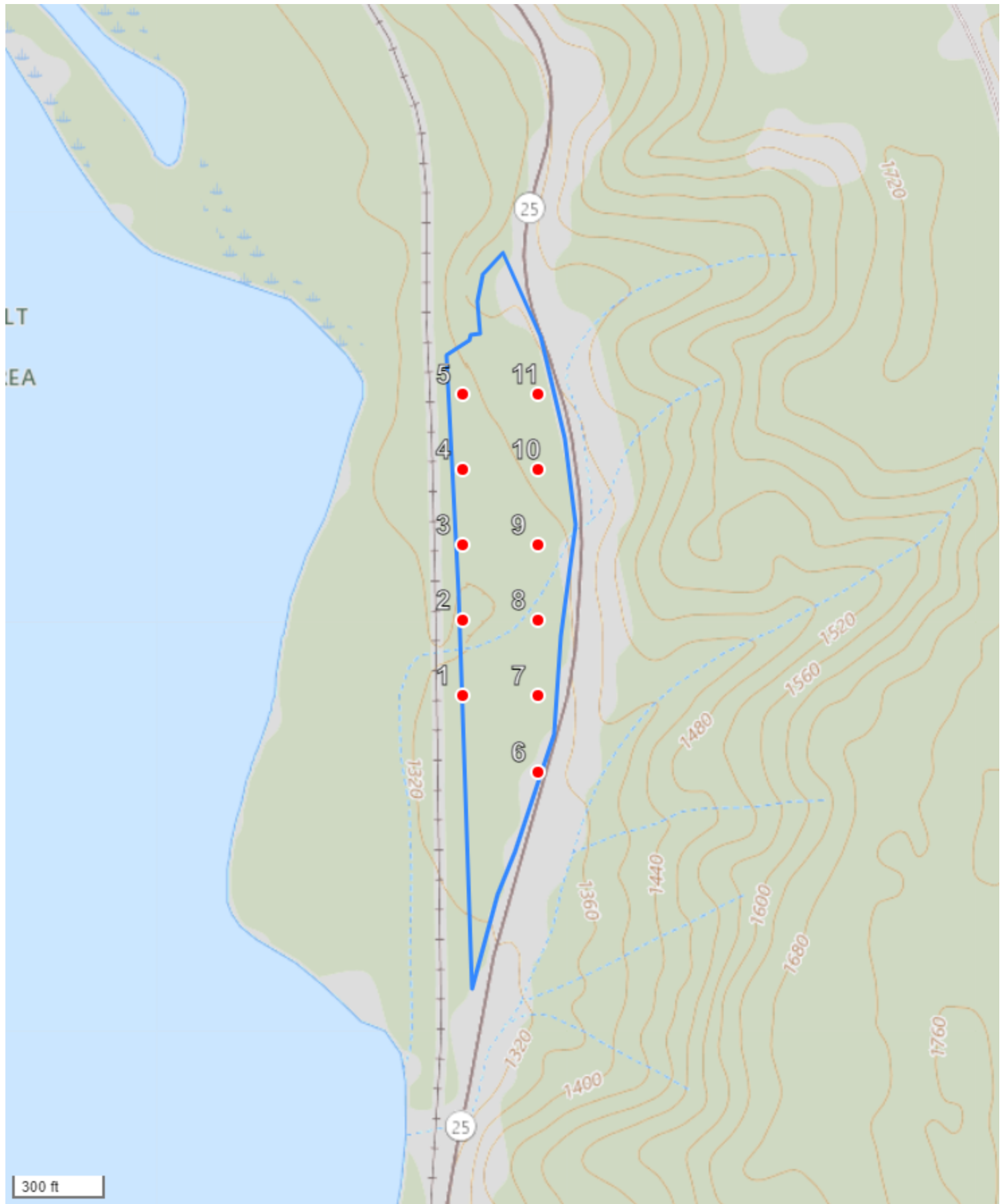
FMA Name: NORTH WILLIAMS U5	N Plots: 36	Plot Spacing: 291.4 ft
Grid Name: NORTH WILLIAMS U5 - 1	Acres Treated: 65.5	Main Azimuth: 0 deg



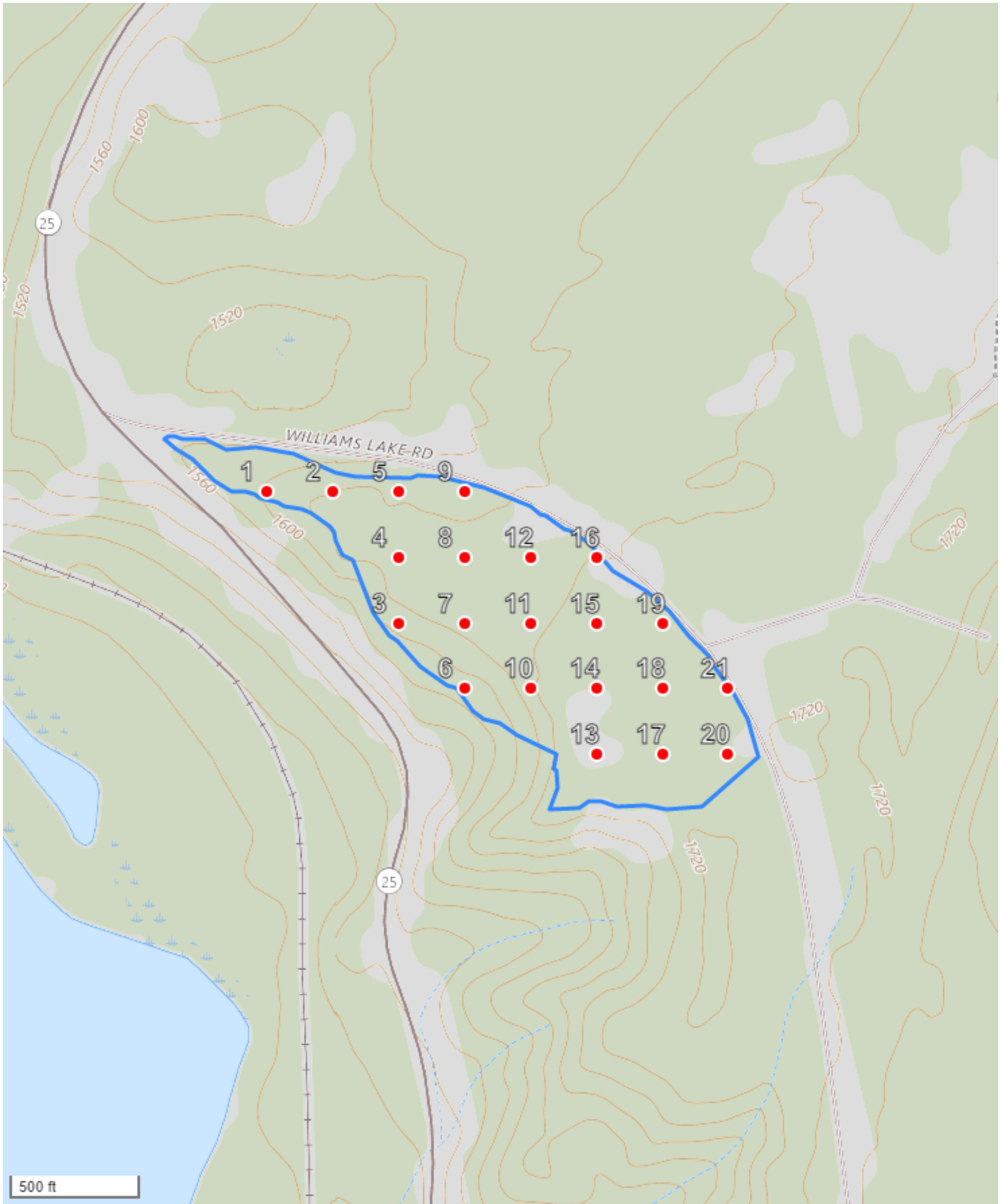
FMA Name: NORTH WILLIAMS U6	N Plots: 38	Plot Spacing: 312.5 ft
Grid Name: NORTH WILLIAMS U6 - 1	Acres Treated: 86.7	Main Azimuth: 0 deg



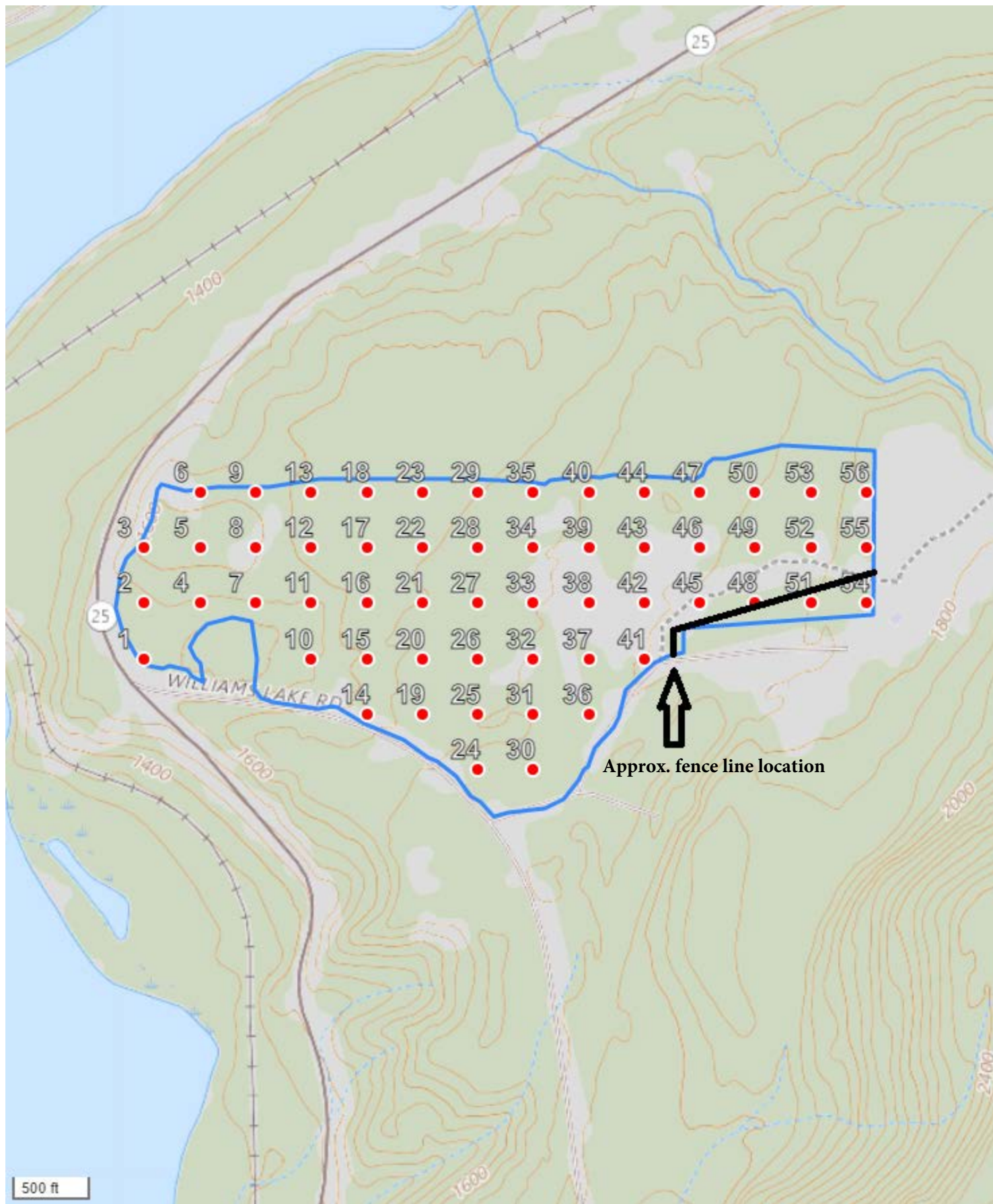
FMA Name: NORTH WILLIAMS U7	N Plots: 11	Plot Spacing: 246.6 ft
Grid Name: NORTH WILLIAMS U7 - 1	Acres Treated: 13.9	Main Azimuth: 0 deg



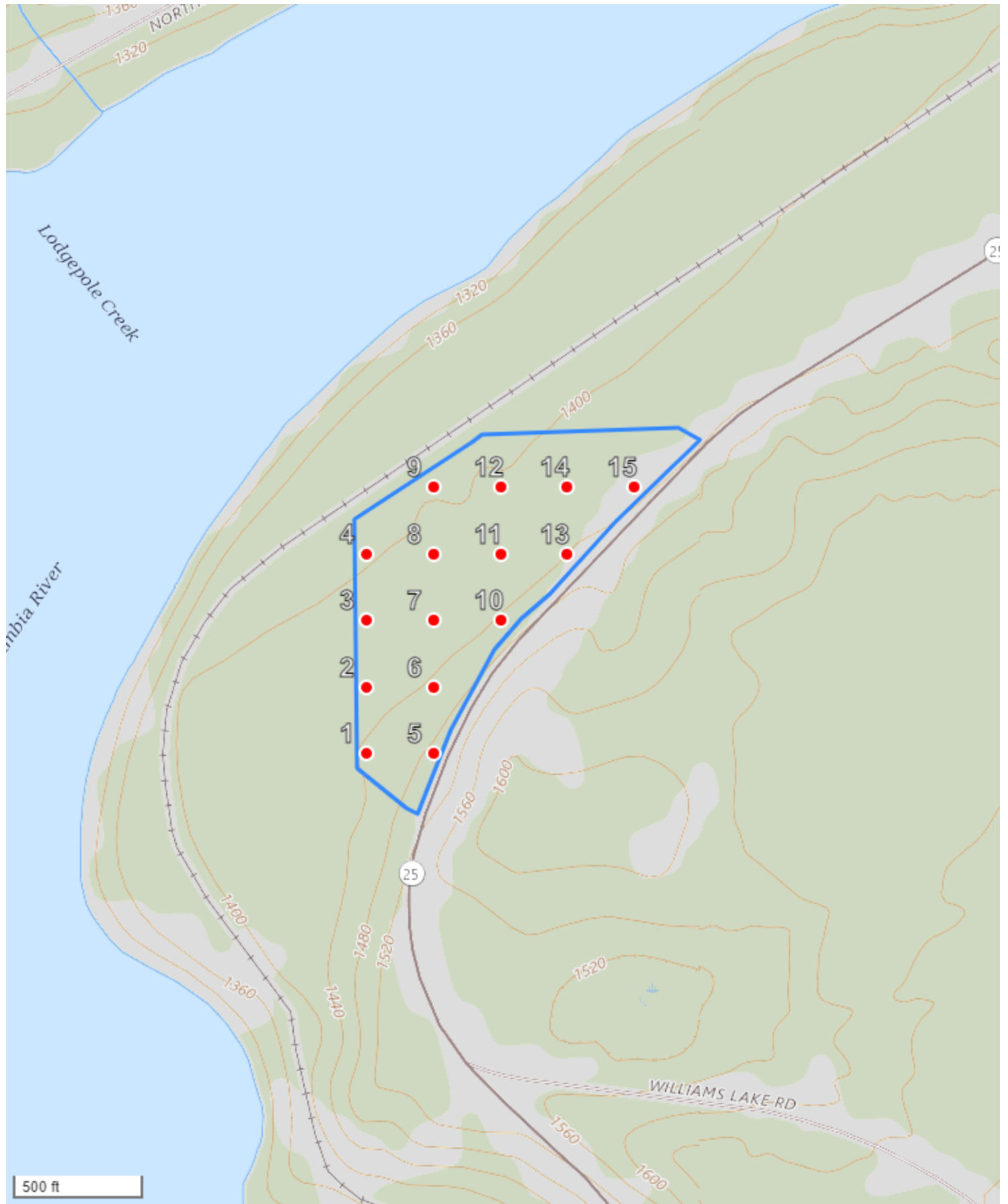
FMA Name: NORTH WILLIAMS U8	N Plots: 11	Plot Spacing: 242.9 ft
Grid Name: NORTH WILLIAMS U8 - 1	Acres Treated: 13.5	Main Azimuth: 0 deg



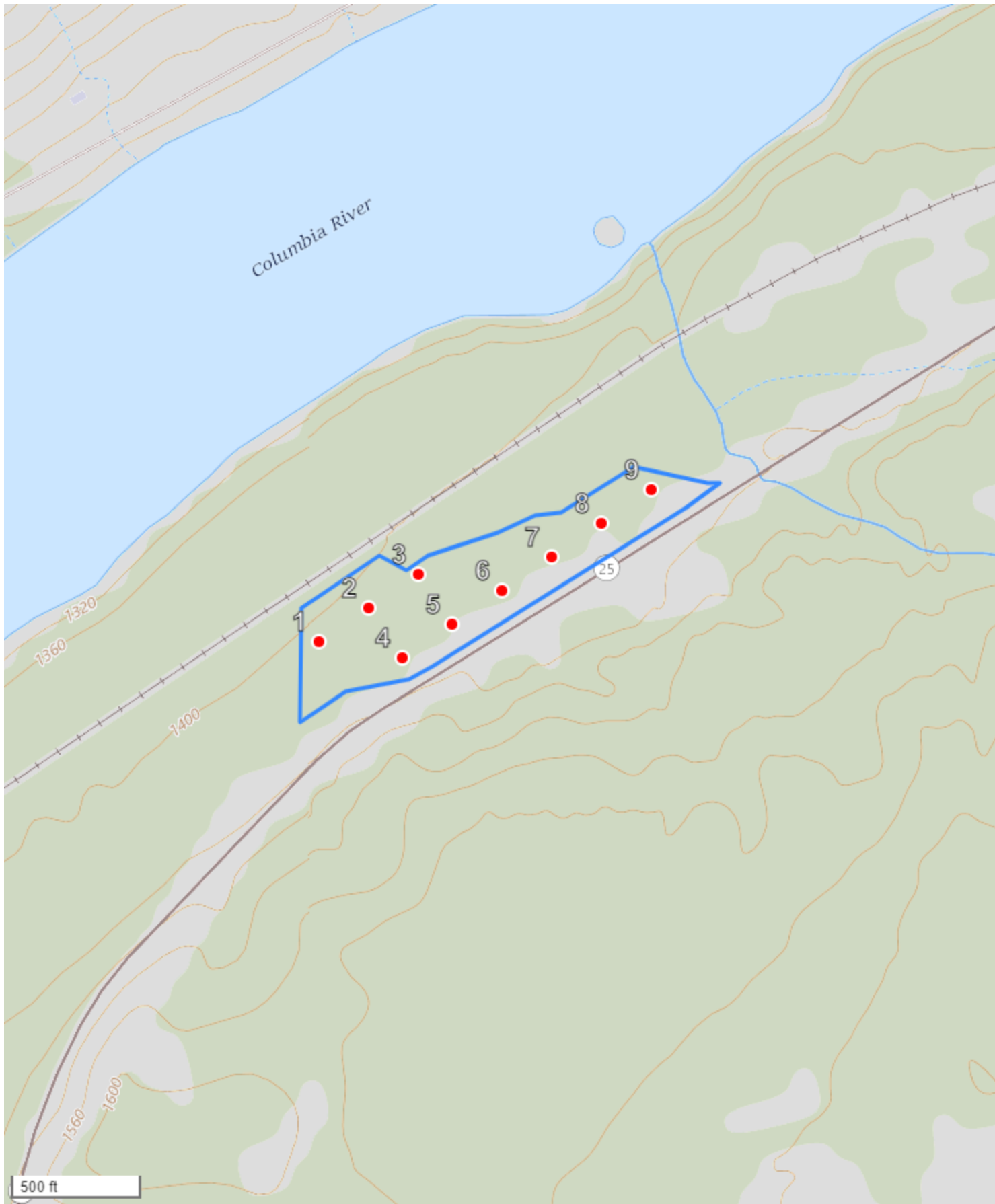
FMA Name: NORTH WILLIAMS U9	N Plots: 21	Plot Spacing: 251.9 ft
Grid Name: NORTH WILLIAMS U9 - 1	Acres Treated: 28.4	Main Azimuth: 0 deg



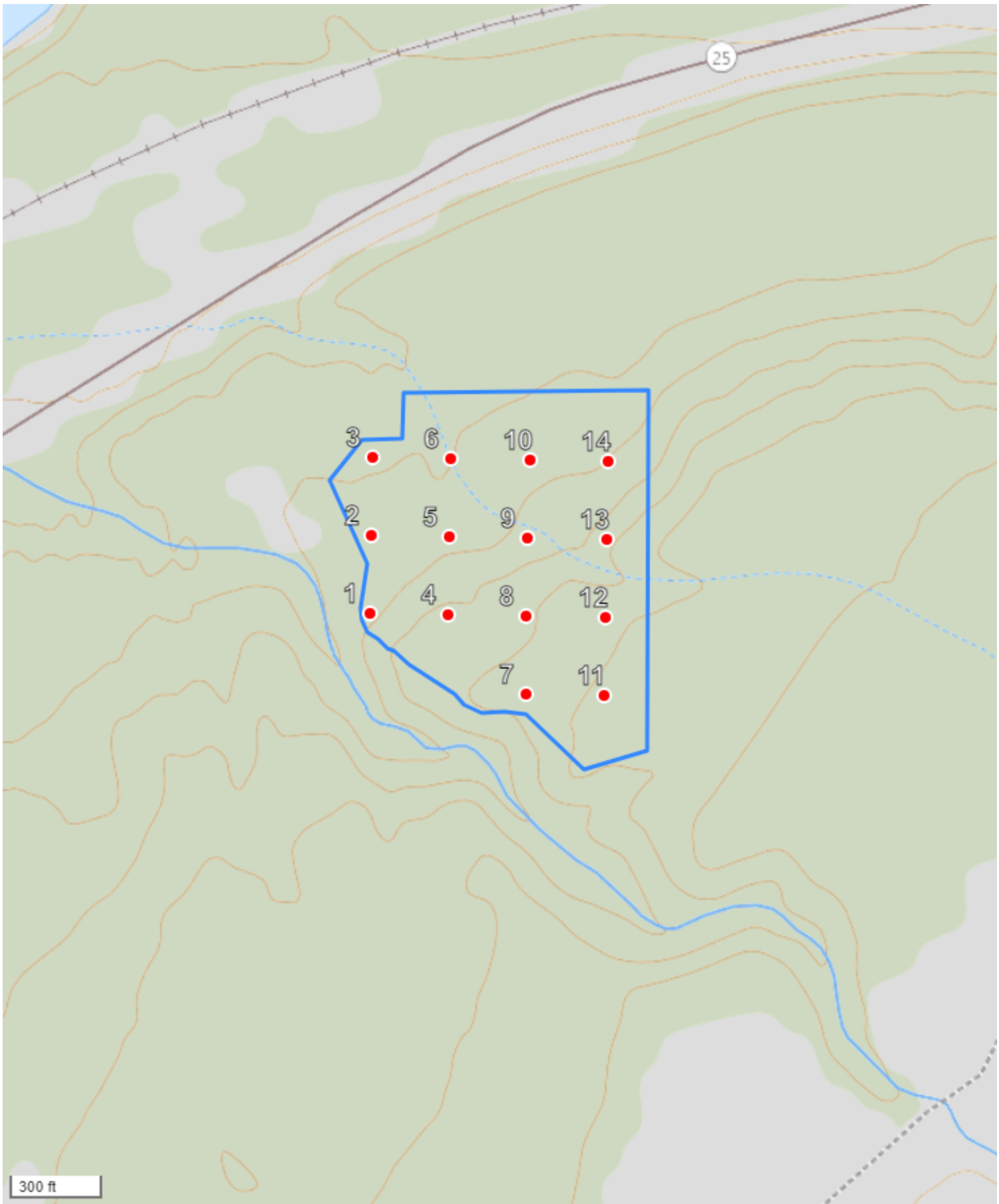
FMA Name: NORTH WILLIAMS U10	N Plots: 56	Plot Spacing: 357.9 ft
Grid Name: NORTH WILLIAMS U10 - 1	Acres Treated: 154.8	Main Azimuth: 0 deg



FMA Name: NORTH WILLIAMS U11	N Plots: 15	Plot Spacing: 255.4 ft
Grid Name: NORTH WILLIAMS U11 - 1	Acres Treated: 20	Main Azimuth: 0 deg



FMA Name: NORTH WILLIAMS U12	N Plots: 9	Plot Spacing: 230 ft
Grid Name: NORTH WILLIAMS U12 - 1	Acres Treated: 11.2	Main Azimuth: 56 deg



FMA Name: NORTH WILLIAMS U13	N Plots: 14	Plot Spacing: 251.6 ft
Grid Name: NORTH WILLIAMS U13 - 1	Acres Treated: 21.4	Main Azimuth: 1 deg



Forest Practices Application/Notification
Notice of Decision

FPA/N No: 3026142
Effective Date: 1/13/23
Expiration Date: 1/13/26
Shut Down Zone: 687
EARR Tax Credit: Eligible Non-eligible
Reference: Q North Williams Sorts
10,1,14,15,23,24,26-38-38

Decision

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

FPA/N Classification

- Class II Class III Class IVG Class IVS

Number of Years Granted on Multi-Year Request

- 4 years 5 years

Conditions on Approval/Reasons for Disapproval

Approved with no conditions

Issued By: Bob Hinds

Region: Northeast

Title: Forest Practices Forester

Date: 01/13/2023

Copies to: Landowner, Timber Owner and Operator

Issued in person: LO TO OP By: Ragene Christensen

Date: 01/13/2023