NOTICE OF TIMBER SALE

(Recovery – Scaled Sale)

SALE NAME/NO.:	Kinney GNA	NC-341-2026-GF8723-01
AUCTION DATE/TIME:	December 11, 2025, starting at 10:00 AM	
AUCTION LOCATION:	North Cascade, Santiam Unit Office 930 W Washington St Stayton, OR 97383	
DISTRICT/UNIT OFFICE (MAILING ADDRESS FOR BIDS):	North Cascade Santiam Unit Office 930 W Washington St Stayton, OR 97383 (503) 859-2151	
HARVEST TYPE:	68 acres partial cut harvest of Douglas-fir only and a small component of western hemlock. The estimated total volume to be removed is 1.148 MMBF. The harvestable timber age range is 48-55 years old, height range between 60 and 125ft, and an average DBH of 13 inches. There are 4 Units, each with a different thinning DxD spacing target and a total of 22-¼ acre Dominant Tree Release areas throughout all units.	
SALE LOCATION:	Portions of T10S, R05E, Sections 19 & 30, W.M. Linn County, Oregon.	
DIRECTIONS TO TIMBER SALE AREA:	The Timber Sale Area is located Southwest of Detroit, Oregon, within the Willamette National Forest on the Detroit Ranger District. Access to the timber sale area is as follows: from the town of Detroit, Oregon travel west bound on Highway 22 for 7.8 miles until the junction of Hwy 22 and the Detroit Dam. Head south across the Detroit Dam. From here, Kinney Creek (USFS Rd. 2122) head 4.8 miles until the junction of the USFS Rd. 634. Travel south onto USFS Rd. 634 and remain on this road for 1 mile. Here will be the boundary of Unit 1. Continue pass the tank trap for another 0.8 miles to reach the southern portion of Unit 4 and the junction of Spur 4. Head east on Spur 4 for 0.8 miles to reach Unit 3. Unit 2 can only be accessed through overgrown spurs along USFS Rd. 634. No key is needed, however if any gate is locked contact North Cascade Santiam Unit Office.	

APPRAISED VOLUMES AND QUALITY:

SPECIES	AVG DBH	TOTAL MBF	GRADES BY MBF		
			2S	3S	4S
Douglas-fir	13	1,091	86	668	337
W Hem. / fir	13	57		46	11
Sale Total	13	1,148			

MINIMUM BID:

BID SPECIES	Douglas-fir.....	$125.72 per MBF
NO-BID SPECIES	Western hemlock and other conifers.....	$1.00 per MBF
	Western red cedar.....	$650.00 per MBF
	Alder and other hardwoods	$70.00 per MBF
	Conifer Utility PC.	$70.00 per MBF
	Conifer Utility SC..	$70.00 per MBF
	Conifer and hardwood pulp.....	$1.00 per TON

The timber sale area contains negligible volumes of other logs to be paid for at the prices in Section 1740.

All Utility logs are set at price above, which means material will be charged at the highest rate for that species.

In order to compensate PURCHASER for Project Work, ODF will credit PURCHASER's timber account in the amount of $ $132,498.72 after the project work is completed and accepted, as described in Section 2630, "Credit for Project Work."

PERFORMANCE SECURITY:	20% of bid value **or** the total value of the project work whichever is greater, not to exceed $500,000. Actual bond amount will be rounded up to an even $1,000 unit.		
EXPIRATION DATE:	10/31/2027	BID METHOD:	Sealed Bids
BID DEPOSIT:	$400.00	SALE TYPE:	Recovery 100% GNA
	10% of the net appraised value, not to exceed $500,000. Bond amount will be rounded down to an even $100 unit.		
INSURANCE:	$2,000,000 Commercial General Liability; $2,000,000 Automobile Liability; $2,000,000 Logger's Broad Form.		
HARVEST METHOD:	Ground Based 41%, Cable Based 59%		
PROJECTS:	No. 1 Road Improvement No. 2 Road Brushing No. 3 Improvement and Vacate/Decommission of Temporary Roads and Landings		
FEES:	N/A		
COMPLIANCE STATEMENT:	Purchasers are required to comply with all Federal and state laws, including but not limited to the Forest and Rangeland Renewable Resources Planning Act of 1974 (88 Stat. 476 et seq.) as amended by the National Forest Management Act of 1976, (90 Stat. 2949 et seq.; 16 U.S.C. 1601-1614) (NFMA); the Endangered Species Act of 1973 (16 USC 1531, et seq.) (ESA); and the National Environmental Policy Act of 1969, 42 USC 4321-4347 (NEPA). Purchaser should take steps to be certain that Purchaser's operations comply with all Federal and state laws. During the contract term, ODF may modify, suspend or terminate the Contract to prevent environmental degradation or resource damage; to ensure consistency with land and resource management plans, terms and conditions in Incidental Take Statements prepared under the ESA, or documents prepared pursuant to the NEPA; to conduct environmental analysis; or to address issues raised in administrative appeals or in anticipated or pending litigation, protect the interests of the State and U.S. Forest Service, including contract alteration, suspension, or termination. Prospective purchasers are encouraged to contact the ODF North Cascade District for further information or questions relative to threatened or endangered species surveys, future planned survey information, or other threatened or endangered species information.		
SPECIAL REMARKS:	**NO PERSONAL OR COMPANY CHECKS ACCEPTED FOR THE BID DEPOSIT.** **SEASONAL RESTRICTIONS APPLY - SEE SECTION 2455.** **USFS Bridge Permit Required – Contact Detroit Ranger District Office** **Pulp removal is optional.** **Acreage was determined by traversing with ESRI ArcPro GIS software. Total sale acreage is 68 acres.** **Contact Connor Reardon with any questions** **(541) 780-4586, connor.reardon@odf.oregon.gov**		

This contract is designed to comply with NEPA analysis. Any changes to contract will be required to comply with NEPA analysis.

NEPA analysis may be reviewed at: National Environmental Policy Act Review Process | US EPA

The information shown on the Exhibit A map(s) are approximate locations. Exact locations of features represented by map symbols shall be determined on site and shall depend upon the conditions that exist on site. Activities shall be conducted based upon features determined on site rather than features shown on maps.

See inside front cover of Timber Sale Schedule handbook for disclaimer regarding all governmental regulatory actions. The handbook can be accessed online at: http://www.oregon.gov/ODF/Working/pages/TimberSales.aspx

SALE NAME: **Kinney GNA**
COUNTY: **Linn**
CONTRACT NO.: **NC-341-2026-GF8723-01**

TIMBER SALE NAME: **Kinney GNA**

TIMBER SALE NO.: **NC-341-2026-GF8723-01**

OPENING DATE: **December 11, 2025, at 10:00 AM**

FORM OF PROPOSAL

The undersigned agrees to accept and perform all of the above terms and conditions as stated in the form of contract for the above-cited timber sale, and bids, and will pay:

Bid Species:

Douglas-Fir, sawmill grade or better, _____

_____ Dollars **$**_____ per MBF

Minimum grades and volumes for bid species are stated in the timber sale prospectus.

No-bid species will remain as shown:

Western hemlock and all other conifer ..... **$1.00** per MBF.
Western red cedar..... **$650.00** per MBF.
Alder and other hardwoods..... **$70.00** per MBF
Conifer Utility PC..... **$70.00** per MBF.
Conifer Utility SC..... **$70.00** per MBF.
Conifer and hardwood pulp (optional) ..... **$1.00** per TON.

Enclosed is a bid deposit as required, consisting of a _____ in the amount of **$400.00**, payable to the Oregon Department of Forestry.

The undersigned agrees to execute and deliver the contract, initial payment, required certificates of insurance, and performance bond, within thirty (30) days of the date of the written notice of intent to award; and that any cash bid deposit may be applied to the first required timber sale payment.

The undersigned understands that the bid is irrevocable and further agrees that if they fail to qualify under the terms of the contract within the thirty-day period, the bid deposit shall become the property of the Oregon Department of Forestry as liquidated damages. **If the undersigned fails to qualify within the thirty-day period, STATE may disqualify the undersigned from submitting another bid on this timber sale.**

BIDDER _____
(Name of Individual or Company and Authorized Official)

EMPLOYER IDENTIFICATION NUMBER (EIN) _____

ADDRESS _____

_____

PHONE _____

BUSINESS EMAIL _____

BY _____
(Signature of Authorized Official & Title)

COMPLETE PURCHASER'S STATUS ON PAGE 2

PURCHASER'S STATUS

Purchaser is a corporation — Check ( ) — Incorporated in the State of _____

President's Name _____

Secretary's Name _____

Purchaser is: ( ) a partnership ( ) an individual ( ) an assumed (business) name ( ) company

List names of all persons doing business under the partnership or assumed name:

_____ _____

_____ _____

_____ _____

If assumed name is subsidiary to a corporation, fill in data requested of corporation also and write in corporation name here:

_____

CERTIFICATION OF ELIGIBILITY TO BID ON FEDERAL TIMBER

_____ hereby certifies that they:

EXPORT

(a) Are in compliance with applicable prohibitions against export and substitution prescribed in the Forest Resources Conservation and Shortage Relief Act of 1990, as amended (16 USC 620, *et seq.*)

(b) Will not directly or indirectly export the unprocessed State timber as defined in OAR 629-031-0020 which is the subject of this transaction.

(c) Shall not engage in export of unprocessed timber originating from private lands in Oregon until such time as all interests in contracts for State timber held by the above have terminated, per OAR 629-031-0010(1)(d).

(d) Will not sell, transfer, exchange, or otherwise convey the unprocessed timber as defined above which is the subject of this transaction to any other person that is not a STATE's approved location.

(e) Are not prohibited by OAR's 629-031-0005 through 0045 from bidding for unprocessed State timber as defined above directly from the State Forester.

(f) Understand that falsely entering into this certification is a violation of the Forest Resources Conservation Amendments Act of 1993 and OAR Chapter 629, Division 31, and is subject to any and all penalties contained therein.

DEFAULT, TERMINATION, AND OTHER RELATED MATTERS

(a) Are not currently in default status under any timber sale contract sold by the State Forester.

(b) Has not, within a 3-year period preceding this bid, had one or more Federal, State, or local timber sales terminated for cause or default.

(c) Is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from timber sales (covered transactions) by any Federal department or agency.

(d) If (b) or (c) above is Yes, has submitted an explanation, in writing, with this bid for consideration by STATE. Any such explanation shall be submitted at the time of bid on a separate piece of paper.

_____
Signed

_____
Title

_____
Dated

[NOTE: For the purpose of this form, the definition of unprocessed timber is the same as in OAR 629-031-0005.]

Kinney GNA Timber Sale Contract No. NC-341-2026-GF8723-01
Table of Contents

STATE OF OREGON

DEPARTMENT OF FORESTRY

Oregon Department of Forestry
State Forests Division
2600 State Street, Building D
Salem, Oregon 97310

TIMBER SALE CONTRACT

SALE NAME: KINNEY GNA
CONTRACT NO: NC-341-2026-GF8723-01
ODF DISTRICT: NORTH CASCADE

Section 1000. Signatures of Contract Parties.

This Contract (the "Contract") is by and between the STATE OF OREGON, acting by and through the State Forester on behalf of the DEPARTMENT OF FORESTRY ("STATE") and _____ ("PURCHASER"). The Contract shall be effective as of the latest date signed below. The parties do hereby agree as follows:

(1) Signature of STATE means he/she is a duly Authorized Representative of the STATE and is authorized by STATE to make all representations, attestations, and certifications contained in this Contract and all addenda, if any, issued, and to execute this Contract document on behalf of STATE;

(2) Signature of PURCHASER means he/she is a duly Authorized Representative of the PURCHASER, has been authorized by PURCHASER to make all representations, attestations, and certifications contained in this bid/proposal document and all addenda, if any, issued, and to execute this bid/proposal document on behalf of PURCHASER;

(3) PURCHASER, acting through its Authorized Representative, has read, understands, and agrees to all Contract instructions, specifications, and terms and conditions contained in this Contract document (including all listed attachments and addenda, if any, issued);

(4) PURCHASER is bound by and shall comply with all requirements, specifications, and terms and conditions contained in this Contract document (including all listed attachments and addenda, if any, issued);

(5) PURCHASER shall furnish the designated item(s) and/or service(s) in accordance with the bid/proposal specifications and requirements, and shall comply in all respects with the terms of the resulting agreement upon award.

IN WITNESS WHEREOF, the State of Oregon hereby awards the Contract to the above Purchaser for the item(s) and/or service(s) contained in the Contract, including all terms, conditions, and specifications. The Parties have affixed their signatures as of the latest date indicated below.

STATE:
State of Oregon, acting by and through the DEPARTMENT OF FORESTRY

_____
Chief, State Forests Division

Date: _____

PURCHASER:
(Purchaser Name) (SEAL)

By: _____
(Signature of Purchaser Authorized Representative)

Printed Name: _____

As its: _____

Date: _____

PART I: SALE OF TIMBER

GENERAL

Section 1010. Definitions of Terms.

Anchor Stump - a stump used to tie off or wrap a cable or line to firmly secure it.

Archaeological or Historical Resource - those sites, buildings, structures, and artifacts, which possess material evidence of human life and culture of prehistoric and historic past.

Areas of Operations - the locations where PURCHASER performs the Operations described in the Contract. Each Area of Operation usually has specific operating requirements.

At Price Above – material will be charged at the highest rate for that species.

Authorized Representative - a representative of the PURCHASER authorized to receive any notice or instructions from STATE on behalf of PURCHASER and to take any action required in regard to performance of PURCHASER under this Contract.

Basal Area - a measure of the cross-sectional area of a Tree Bole, in square feet, measured 4½ feet above the ground on the uphill side of the tree.

Bidder – is a person, business, corporation, or other entity recognized by the STATE that submits a bid to enter into a contract with the STATE to purchase forest products, and that certifies that the timber will be harvested.

Bunk – a bed for logs with a pair of stakes at each end.

Contract - the entire written agreement between the parties, including but not limited to the Notice of Timber Sale, Invitation to Bid or Request for Proposal, Instructions to Bidders, specifications, terms, and conditions, Exhibits, Operations Plan, change notices, if any, and the accepted bid.

Cultural Resource - an Archaeological or Historical Resource. They may include objects, structures, or sites used by people in the past.

DBH (Diameter at Breast Height) - the diameter of a standing tree inclusive of the bark measured 4½ feet above the ground on the uphill side of the tree.

Down Timber - timber that is down as of the date of this Contract, as determined by STATE.

Down Wood - trees and logs on the ground.

Fire Season - when the State Forester has declared that conditions of fire hazard exist in a forest protection district or any part thereof. The State Forester designates for each district or any part thereof the date of the beginning of a Fire Season for that year. The Fire Season continues for each district or part thereof until ended by order of the State Forester when conditions of fire hazard no longer exist in that district or part thereof.

Green Tree Retention - the practice of leaving live, growing trees on a site during timber harvest as a future source of Snags, old growth trees, large diameter wood, and native seed.

Group Selection Area (GSA) – an area within the Timber Sale Area that has a unique prescription as described in this Contract. Group Selection Areas are less than five acres in most circumstances and are usually marked on the ground with boundary signs. Prescription trees are marked with paint within the Group Selection Area.

Guy Stump - a stump used to tie off or wrap a cable or line to firmly secure it.

Guyline - a cable or rope attached to something to brace, steady, or guide it.

Hazardous Substances - any substance or material that is hazardous or toxic to health or otherwise regulated or controlled under any applicable federal, state or local statute, regulation, ordinance or law.

Improvements - a permanent addition or change to real property, such as a road, structure, or utility, which increases the value of the property.

Landing - a collecting point for logs; the place to which logs are yarded for loading and transportation from the woods.

ESA LFH - Endangered Species Act Listed Fish Habitat. Defined as the geographic area occupied by the species at the time of listing.

Live Crown Ratio - the length of a Tree Bole supporting the growth of live branches compared to total tree height, expressed as a percentage.

"Live" Stream - a stream with water flowing through it.

Log Load Receipt Book - a book issued by the STATE used for log load accountability. In each book there are sequentially numbered multipart pages (tickets). Each page is a four-part form. Each of the four parts, on each page, has the same identifying number. The four parts are:

Woods Receipt
Turned in to the ODF District Office that the timber sale is in.

Trucker Receipt
Retained by the log truck driver.

Load Receipt
Stapled to the log load on the truck before the truck leaves the Timber Sale Area Landing. Stays with the log load until the load is dispersed and processed at the mill.

Scaler Receipt
Stapled to the log load on the truck before the truck leaves the Timber Sale Area Landing. When the load is scaled (measured) the Scaler Receipt is transferred to the Scaling Bureau's printout of the log breakdown of the load. This log breakdown (which shows number of logs, species of logs, grades of logs, and board foot volume), along with the Scaler Receipt is sent to ODF headquarters in Salem.

Low Relative Density – an area of heavy thinning where the Relative Density of the residual stand is less than 15.

Major Catastrophes - windstorms, floods, fire, landslides, or other acts of God, which are beyond the control of PURCHASER and in no way connected with negligent acts or omissions of PURCHASER, its officers, employees, agents, or subcontractors.

MBF - thousand board feet.

Operations - all the activities conducted by PURCHASER under this Contract, including Project Work, logging, or post-harvest activities; or the furnishing of all materials, equipment, labor, and incidentals necessary to successfully complete any individual item or the entire Contract.

Operations Plan - the document by which PURCHASER notifies STATE of the plans and schedule for completing the Operations described in the Contract. It also contains the names of the subcontractors, PURCHASER's Authorized Representatives, and STATE's Authorized Representatives.

Patchcut – a small clearcut area; 0.5 to 2 acres in size.

Permit - any Permit required by a federal, STATE, or local government agency before Operations under this Contract may lawfully begin or continue. Permit includes an incidental take Permit under the federal Endangered Species Act.

Pre-Operations Meeting – the initial meeting between the Authorized Representatives of PURCHASER and STATE to discuss operational issues and requirements of the Contract, and to identify the elements to be addressed in the Operations Plan.

Project Location - the points or areas designated as such on Exhibit A and located on the ground by reference to points, stations, natural land features, Improvements, or area boundary signs. The location(s) where project activities occur.

Project Work - work required of the PURCHASER in addition to normal log removal and hauling activities. The PURCHASER is usually compensated for Project Work with Project Work Credits. Project Work can include, but is not limited to, road building, road improvement, rock quarry development, stream enhancement, site preparation, soil stabilization, and water runoff control measures.

Protected Genetic Parent Tree - a seed tree selected for its desirable characteristics that is designated not to be cut or harmed.

Pulp – any log (tops only) that does not meet the minimum requirements for removal in Section 2040 or 2045, Log Removal.

Purchase Price - for each species sold on a recovery basis, "Purchase Price" is defined as the price per MBF listed in Section 1740, "Log Prices." If species is not listed in Section 1740, "Log Prices," the highest price listed in Section 1740, "Log Prices," shall apply.

For bid species sold on a lump sum basis, the Purchase Price for each species shall be determined by using STATE's unamortized timber appraisal value, multiplied by the bid-up factor. Bid-up factor shall be calculated by STATE using the following calculation: Bid value all species/appraised value all species = bid-up factor.

For no-bid species sold on a lump sum basis, the Purchase Price for each species shall be determined by using STATE's unamortized timber appraisal value.

PURCHASER's Authorized Representatives - the representatives authorized by PURCHASER to receive any notice or instructions from STATE on behalf of PURCHASER and to take any action required in regard to performance of PURCHASER under the Contract. PURCHASER's Authorized Representatives are identified in the Operations Plan.

PURCHASER's Deposit Account - an account where PURCHASER timber sale payments are deposited. This is an account set up by the State of Oregon to accept regular and advance timber sale payments from the PURCHASER. Advance payments are defined in the Payment Schedule section of the Contract.

Relative Density - a measure of the degree of closeness of trees growing side by side in a stand, in relationship with their size. The measure is expressed as a ratio of actual stand density to the maximum stand density attainable in a stand with the same mean tree volume. Relative Density is calculated by dividing the residual Basal Area by the square root of the average residual stand DBH.

Residual Tree - green tree left standing on an Area of Operation or Timber Sale Unit.

Right-of-Way Timber - trees harvested from a strip of land to enable a road to be constructed.

Setting - the area of a logging operation from which logs are yarded to a single Landing.

Slash - all woody Slash resulting from logging Operations, construction of roads, or other Improvements.

Snag - a standing dead tree, or portion of a tree, from which most of the foliage and limbs have fallen.

SPTH – Site potential tree height

Stand Density Index – a measure of the degree of closeness of trees growing side by side in a stand, in relationship with their size. Stand Density Index (SDI) is calculated by dividing the average stand diameter by 10 taken to the 1.605 power, multiplied by the average trees per acre (TPA), and divided by the maximum SDI of that species. SDI = TPA x $(\text{Diameter}/10)^{1.605}$

STATE - the Oregon Department of Forestry, State Forester, or a duly Authorized Representative of the State Forester.

Stream Buffer - designated areas adjacent to a stream where timber is left uncut, or there are other special management or operational requirements. Stream Buffer may be marked in the field.

Stream Class – the United States Forest Service designation of streams, which are to be managed in specific manners to meet varying objectives. Stream class types and protections are listed below:

> Class 1 – Perennial or intermittent streams with one or more of the following: 1) direct source of water for domestic use; 2) habitat for spawning, rearing or migration for large numbers of fish; or 3) sufficient discharge to have a major effect on water quality of another Class 1 stream.
> Class 1 stream protection: 120 foot no-harvest buffer.
>
> Class 2 – Perennial or intermittent streams with 1) habitat for spawning, rearing or migration of moderate through significant numbers of fish; and/or 2) sufficient discharge to have moderate influence on other Class 1 or 2 streams. Game fish are present for at least part of the year, or the stream has the potential for establishment or re-establishment of a game fish population.
> Class 2 stream protection: 100 foot no-harvest buffer within 1,000 feet of a Class 1 stream, and/or 75 foot no-harvest buffer outside 1,000 feet of a Class 1 stream.
>
> Class 3 – Any perennial streams not meeting the criteria for Class 1 or 2 streams.
> Class 3 stream protection: 60 foot no-harvest buffer.
>
> Class 4 – Any intermittent or ephemeral streams not meeting criteria for Class 1, 2, or 3 streams.
> Class 4 stream protection: 30 foot no-harvest buffer.

SUB - Submerchantable materials. SUB, as used by STATE, references that material containing at least 10 board feet (net) but less than the lower merchantable net volume limit or grade requirements for other merchantable material, as defined in Section 2045, “Log Removal.”

Subcontract - assign responsibility for work required under the Contract to a party other than the PURCHASER.

SUM - lump sum material.

Tailblock - a pulley that is attached to an Anchor Stump, Guy Stump, Tailhold Stump, tree, or other sturdy object, through which a cable is passed and used to return the mainline and chokers to the cutting area from the Landing.

Tailhold - a stump, tree, or other sturdy object to which a Tailblock, cable, or line is attached.

Tailhold Stump - a stump used to tie off or wrap a cable or line to firmly secure it.

Timber Harvesting Operations - activities conducted by the PURCHASER on a timber sale to remove logs from the woods. These activities can include, but are not limited to, felling, bucking, Yarding, loading, and hauling.

Timber Sale Area - the area or areas designated as such on Exhibit A and located on the ground by reference to legal subdivisions, monuments, natural land features, Improvements, or sale boundary signs. It is the entire area encompassing the material that is required to be harvested.

Timber Sale Unit - a sub-area within an Area of Operation. A Timber Sale Unit usually has more operational requirements, in addition to the operational requirements of the Area of Operation.

Total Purchase Price - For sales with species sold on a recovery basis or a combination recovery basis and lump sum, Total Purchase Price is the sum of each recovery basis species’ volume multiplied by the price per MBF listed in Section 1740, “Log Prices,” and each lump sum basis species’ lump sum price.

For sales with all species sold on a lump sum basis, Total Purchase Price is the total bid price.

TPSO (Third-Party Scaling Organization) - a scaling organization not affiliated with either the PURCHASER or STATE.

Tree Bole - the trunk of a tree.

Unsurfaced Road - A road in which the running surface consists of the same materials as the surrounding native soils. Unsurfaced roads may also include those roads that have had some minimal surfacing added but are inadequate for use during wet weather as determined by ODF.

Utilization Scale - scaling of logs to account for merchantable material that has been lost due to logs not removed from the harvest area, or from improper logging practices that resulted in breakage or wastage to otherwise merchantable logs.

Written Plan - a plan that describes how an operation will be conducted, including the means to protect resource sites described in ORS 527.710(3)(a) (relating to the collection and analysis of resource site inventories), if applicable.

Yarding - the process of conveying logs from the cutting area to the Landing.

YUM (Yarding Unmerchantable Material) - to yard logging residue to a Landing or other specified location.

Section 1020. Sale of Timber. Under the terms and conditions of this Contract, STATE sells to PURCHASER, and PURCHASER buys from STATE, that Federal timber designated and described in Section 2210, "Designated Timber," which for all purposes of this Contract is hereinafter referred to as "timber." The location of Designated Timber is shown on Exhibit A. PURCHASER shall pay STATE the Total Purchase Price for timber set forth in Section 1710, "Purchase Price," or 1740, "Log Prices." The Total Purchase Price shall be paid to STATE in accordance with the payment schedule in Section 1720, 1751, or 1752, "Payment Schedule."

This is a sale of Federal Timber and timber harvested or sold under this Contract must not be exported from the United States. PURCHASER must comply with the provisions of the Forest Resources Conservation and Shortage Relief Act of 1990, as amended (16 USC 620, et seq.), which authorizes the U.S. Forest Service, Oregon and other western states to prohibit the export of unprocessed timber from public lands and prohibit export in disposing of timber from this timber sale.

Section 1030. Title to Timber. During the period of this Contract, and any extension, PURCHASER shall have the right to cut and remove the timber. Such right shall be conditioned upon PURCHASER complying with the provisions of this Contract.

The ownership of and title to the timber shall pass to PURCHASER as the timber is paid for following removal from the Timber Sale Area. Any right of PURCHASER to cut and remove the timber shall expire and end at the time this Contract, or any extension, terminates. All rights and interests of PURCHASER in and to timber and logs remaining on the Timber Sale Area shall, at that time, automatically revert to and revest in the U.S. Forest Service, without compensation to PURCHASER.

Section 1040. Quality and Quantity of Timber. STATE makes no guarantee or warranty to PURCHASER as to the quality or quantity of the Designated Timber. PURCHASER shall be liable to STATE for the Total Purchase Price set forth in Section 1710, "Purchase Price," or 1740, "Log Prices," even if the quantity or quality of Designated Timber actually cut, removed, or designated for taking is more or less than that estimated by STATE to be available for harvesting on the Timber Sale Area.

Further, STATE makes no representation, warranty, or guarantee of the accuracy of any information either provided by STATE or made available by STATE under the Public Records Law with respect to this Contract. PURCHASER agrees to bear exclusive responsibility for, and to accept all risks associated with, the actual conditions on the Areas of Operations and PURCHASER's computation of its bid for this Contract.

Section 1050. Examination of Plans, Exhibits, and Areas of Operations. PURCHASER acknowledges and agrees that, before submitting a bid, PURCHASER: (i) has made a careful examination of the terms and conditions of the Contract; (ii) has become fully informed as to the quality and quantity of materials and the character of the Operations required; and (iii) has made a careful examination of the Areas of Operations and the location and conditions of the Operations, including the sources of supply for materials. STATE will in no case be responsible for any loss or for any unanticipated costs that may be suffered by PURCHASER as a result of PURCHASER's failure to acquire full information in advance in regard to all conditions pertaining to the Operations.

COMMENCEMENT AND COMPLETION OF CONTRACT

Section 1110. Commencement of Work. PURCHASER shall not commence work under the Contract until STATE provides written notification to PURCHASER that STATE has received and accepted the following:

(a) The performance bond required under Section 1210, "Performance Bond";

(b) The payment bond required under Section 1230, "Payment Bond";

(c) The certificate of insurance required under Section 1240, "Insurance," subpart (i);

(d) The first payment on the Contract specified in Section 1751, or 1752, "Payment Schedule"; and

(e) A fully executed original of the Contract.

Further, PURCHASER shall not commence work under the Contract until PURCHASER has attended the Pre-Operations Meeting and STATE has approved the Operations Plan as specified in Section 1140, “Operations Plan.”

Section 1120. Completion Date of Contract. Time is of the essence in this Contract. PURCHASER shall complete and fully perform all Operations under this Contract no later than **October 31, 2027**, unless the term of the Contract is extended in accordance with Section 1530, "Extension of Time." PURCHASER may be required to perform uncompleted Contractual obligations at a time later than stated above or in Section 1530, "Extension of Time." STATE shall notify PURCHASER in writing of these obligations and their required completion date. Upon completion of final Operations, PURCHASER shall notify STATE as required under Section 1315, "Inspection and Acceptance." The Contract will not be complete until STATE has inspected and accepted PURCHASER's performance as specified in Section 1315, "Inspection and Acceptance."

Section 1130. Pre-Operations Meeting. PURCHASER shall meet with STATE prior to STATE approval of the initial Operations Plan required by Section 1140, “Operations Plan,” and prior to commencement of operations, to discuss Contract matters, including Threatened and Endangered Species protection efforts, protection of Timber Sale Area resources, and to identify key issues to be addressed in the Operations Plan.

Section 1140. Operations Plan. PURCHASER shall prepare an Operations Plan for all Operations to be conducted under this Contract and shall submit the plan to STATE at least fifteen (15) calendar days prior to commencement of any Operations. This plan shall be prepared on a form provided by STATE, and shall be used for all types of Operations, including road maintenance, Project Work, logging, and post-harvest requirements. In addition to the Pre-Operations Meeting required by Section 1130, “Pre-Operations Meeting”, STATE may require an on-site meeting prior to approval of the Plan, to be attended by PURCHASER, subcontractor, and STATE representatives. STATE's approval of the Plan must be obtained prior to commencement of any Operations. Upon approval by STATE, the Operations Plan(s) shall automatically be incorporated into, and made part of, this Contract as Exhibit B. Each Operations Plan shall be dated.

PURCHASER shall notify STATE prior to any period of inactivity of Operations for more than three (3) days, and again prior to resumption of Operations.

BONDING AND INSURANCE

Section 1210. Performance Bond. PURCHASER shall furnish STATE with a performance bond, in an amount of not less than the greater of (a) the value of all Project Work to be completed under the Contract, as specified in Section 2630, “Credit for Project Work,” or (b) twenty percent (20%) of the Total Purchase Price, not to exceed $500,000, rounded up to an even $1,000 unit, which bond shall guarantee complete compliance by PURCHASER with the terms and conditions of this Contract and the faithful performance of all required obligations, including payments to all suppliers, materialmen, Contractors, and subcontractors of PURCHASER. PURCHASER’s bond may be in the form of one or more of the following: surety bonds, cash, cashier's or certified check, money order, assignment of surety, irrevocable letters of credit, or other securities determined acceptable by the State Forester. Surety bonds must be written by a surety company authorized to do business in the State of Oregon, on a form provided by STATE.

Performance Bond Release

PURCHASER shall keep the performance bond in effect during the term of the Contract, until released by STATE. STATE shall release PURCHASER’s bond upon the later of: (a) 180 days after final acceptance of completed Timber harvesting Operations or (b) 180 days after STATE’s acceptance of all Project Work required under Section 2610, “Project Work.” “Acceptance” under (a) or (b) shall not be provided until STATE has inspected and approved the work and PURCHASER has provided satisfactory evidence of PURCHASER’s compliance with all other terms and conditions of the Contract.

Performance Bond Reduction

STATE shall permit PURCHASER to reduce its performance bond under the following circumstances:

180 days after final acceptance of completed Timber harvesting Operations, upon PURCHASER's request and provided no claims are then pending, STATE may permit PURCHASER to reduce the amount of their bond to an amount equal to the value of all Project Work remaining to be performed or accepted.

180 days after STATE has accepted all Project Work required under Section 2610, "Project Work," upon PURCHASER's request and provided no claims are then pending, STATE may permit PURCHASER to reduce the amount of their bond to an amount equal to twenty percent (20%) of the Total Purchase Price.

Section 1220. Claims Against PURCHASER's Performance Bond.

(a) Claims against PURCHASER's performance bond for failure to make payments when due to suppliers, materialmen, Contractors, and subcontractors of PURCHASER shall be processed in the following manner:

(1) Upon receiving notice from a supplier, materialman, Contractor, or subcontractor of an unpaid obligation of PURCHASER, STATE shall notify PURCHASER and PURCHASER's surety in writing, describing the claim and specifying a date not later than fifteen (15) days from the date of the notice within which PURCHASER shall be expected to respond to the claim.

(2) PURCHASER shall provide, within the time requested by STATE, verification reasonably satisfactory to STATE that the claim has been satisfied or is being addressed in a manner reasonably satisfactory to STATE. If PURCHASER fails to provide such evidence within the time requested, PURCHASER shall be deemed to be in default of the Contract, and STATE shall be entitled to make a claim against PURCHASER's performance bond on behalf of the claimant.

(b) Claims against PURCHASER's performance bond for failure to comply with or perform other obligations under the Contract shall be processed in the following manner:

(1) STATE shall provide notice in writing to PURCHASER and PURCHASER's surety of the nature of the failure to comply or the unperformed obligation, and shall specify a date by which the failure must be remedied.

(2) If PURCHASER fails to remedy the failure or to respond in writing with reasons adequate in STATE's judgment to waive the failure within the time specified in STATE's notice, PURCHASER shall be deemed to be in default and STATE shall be entitled to make a claim against PURCHASER's performance bond on behalf of STATE for an amount deemed reasonably sufficient to cure the failure.

(c) STATE reserves the right to invoke any remedy available to it under the Contract or at law or in equity in the event STATE is required to seek redress from PURCHASER's surety for a Contract violation or default by PURCHASER including, without limitation, termination of the Contract.

Section 1230. Payment Bond. PURCHASER shall furnish a payment bond (or blanket payment bond for multiple contracts) acceptable to STATE guaranteeing payment for all monies due STATE through this Contract, including all timber harvested. PURCHASER shall keep the payment bond in effect during the term of the Contract, until released by STATE. Payment bonds may be in the form of one or more of the following: surety bonds, cash, cashier's or certified check, money order, assignment of surety, irrevocable letters of credit, or other securities determined acceptable by the State Forester. Surety bonds (including riders) must be written by a surety company authorized to do business in the State of Oregon, on a form provided by STATE. PURCHASER's bond shall be in an amount at least equal to the value of timber estimated to be removed during a one-month plus 15-day billing period, as determined by STATE. In any event, the amount shall not be less than one installment payment as specified in Section 1720, "Payment Schedule", rounded up or down to the nearest $500 unit. Provision of a satisfactory payment bond will permit PURCHASER to remove timber for a 30-day period, after which time, payment for all such removed timber shall be due and owing. PURCHASER shall make cash payment within (15) days following the end of the monthly period. Upon payment for timber removed in the monthly period, the payment guarantee may be applied as a guarantee for a subsequent period.

A payment bond (or blanket payment bond for multiple Contracts) shall be in an amount at least equal to the value of timber estimated to be removed from all Contracts covered by the blanket payment bond during a one-month plus 15-day billing period as determined by STATE. PURCHASER shall obtain and furnish STATE with a written consent of surety on forms provided by STATE for coverage of any Contracts to which the blanket payment bond may apply. In no event shall PURCHASER remove timber with a value greater than the amount of the payment guarantee.

Section 1240. Insurance. PURCHASER shall secure, at PURCHASER's expense, and keep in effect during the term of this Contract, the following insurance coverages, in a policy or policies issued by an insurance company or companies authorized to do business in the State of Oregon. The issuing company or companies shall indicate on the insurance certificates required below that STATE shall be given not less than thirty (30) days' notice of any cancellation, material change, or intent not to renew such policy. Any failure to comply with the reporting provisions of this insurance, except for the potential exhaustion of aggregate limits, shall not affect the coverage(s) provided to the State of Oregon, STATE, and their divisions, officers, and employees. PURCHASER shall be financially responsible for all deductibles included hereunder.

The coverage shall be as follows:

(a) Commercial General Liability insurance covering personal injury**,** death, and property damage or destruction in an amount not less than $2,000,000 combined single limit per occurrence and an amount not less than $4,000,000 per aggregate, with Contractual liability coverage to include all Contracts involving the work to be performed under this Contract, Premises Operations, Products and Completed Operations, and Independent Contractors. Required coverage shall be for explosion, collapse, and underground damage if blasting or excavation is required or performed under the Contract. **Excess or Umbrella Liability policies may be used in combination with the Commercial General Liability insurance to cover the required liability limits.**

(b) Automobile Liability insurance in an amount not less than $2,000,000 combined single limit per accident. This required insurance coverage shall include Business Automobile, an endorsement for auto pollution, and shall cover pollutants such as fuel tanks carried in vehicles. **Excess or Umbrella Liability policies may be used in combination with the Automobile Liability insurance to cover the required liability limits.**

(c) Loggers Broad Form coverage in an amount not less than $2,000,000 for costs of fire control, losses or damage from fire, and other causes arising or resulting from activities of PURCHASER, employees, Contractors, subcontractors, and others working or acting for PURCHASER.

(d) Worker's Compensation insurance as statutorily required for persons performing work under the Contract.

(e) Primary Coverage. Insurance carried by PURCHASER under this Contract shall be the primary coverage, and the STATE's insurance is excess and solely for damages or losses for which the STATE is responsible.

(f) "Tail" or "Basis of Occurrence" Coverage. If any of the aforementioned liability insurance is arranged on a "claims made" basis, "tail" coverage will be required at the completion of this Contract for a duration of 24 months, or the maximum time period reasonably available in the marketplace if less than 24 months. PURCHASER shall furnish certification of "tail" coverage as described or continuous "claims made" liability coverage for 24 months following Contract completion. Continuous "claims made" coverage will be acceptable in lieu of "tail" coverage, provided its retroactive date is on or before the effective date of this Contract. If Continuous “claims made” coverage is used, Contractor shall be required to keep the coverage in effect for a duration of not less than 24 months from the end of the Contract.

(g) The Commercial General Liability insurance and the Automobile Liability insurance required under this Contract shall include the State of Oregon, the Oregon Board of Forestry, the Department of Forestry, the State Forester, **the U.S. Forest Service,** their officers, agents, employees, and members as additional insureds. **The following language shall be used for naming additional insureds:**
ADDITIONAL INSURED: The State of Oregon, **the U.S. Forest Service, the Department of Forestry, the State Forester, their officers, employees and agents as Additional Insureds but only with respect to PURCHASER’s activities to be performed under this Contract. Coverage shall be primary and non-contributory with any other insurance and self-insurance.**

(h) As evidence of the insurance coverage required by this Contract, PURCHASER shall furnish a certificate or certificates of insurance including all of the foregoing coverages to STATE. PURCHASER must provide this proof of insurance to STATE before the Contract period begins and prior to the commencement of work.

(i) All insurance shall be provided by a company with an A or better rating, as determined by A.M. Best Company, unless otherwise approved in writing by STATE.

GENERAL TERMS AND CONDITIONS

Section 1310. Authorized Representatives. During any period of Operations, PURCHASER shall have a designated representative(s) available to STATE on the Timber Sale Area or Project Location, or both, where such activity is separated. The representative(s) shall be authorized to receive any notice or instructions from STATE on behalf of PURCHASER and to take any action required in regard to performance of PURCHASER under this Contract. STATE shall designate a field representative(s) who shall be authorized to receive notices, inspect progress of the Operations, and issue instructions in regard to plans and schedules under the terms of this Contract. State Forests Division Chief is the authorized representative to provide payment instructions. Authorized field representatives of STATE and PURCHASER shall be designated in the Operations Plan required by Section 1140, "Operations Plan."

Section 1315. Inspection and Acceptance. STATE and its authorized and designated representative shall at all times be allowed access to all parts of the Operations and Areas of Operations of PURCHASER, as STATE may determine to be necessary or desirable to make a complete and detailed inspection of the Operations and PURCHASER's compliance with all terms and conditions of this Contract. STATE shall be furnished operation progress status or other information and assistance by PURCHASER, or the Authorized Representative(s), as STATE may determine necessary to permit STATE to verify PURCHASER's compliance with all terms and conditions of this Contract.

PURCHASER shall notify STATE in writing upon completion of final Operations. STATE will inspect the Operations completed by PURCHASER within twenty (20) business days after receipt of written notification that final Operations are complete. Following inspection, STATE shall notify PURCHASER in writing of STATE's acceptance of PURCHASER's performance of the Contract or, if PURCHASER's Operations are not acceptable to STATE, shall advise PURCHASER in writing of the particular defects to be remedied before final acceptance by STATE can be granted.

Section 1320. Assignment of Contract. PURCHASER shall not assign, sell, or transfer rights, or delegate responsibilities under this Contract, in whole or in part, without the prior consent of the STATE. STATE will consent only when assignment is consistent with STATE's fiduciary duties. No such written approval shall relieve PURCHASER of any obligations under this Contract, and any transferee shall be considered the agent of the PURCHASER and bound to perform in accordance with the Contract. PURCHASER shall remain liable as between the original parties to the Contract as if no assignment had occurred. PURCHASER agrees to pay STATE a $250 administrative fee for processing each assignment.

Section 1325. Subcontracting. PURCHASER acknowledges and agrees that if PURCHASER subcontracts all or any part of the Operations, such subcontracting shall in no way relieve PURCHASER of any responsibility under this Contract. PURCHASER shall notify STATE in writing of the names and addresses of each subcontractor prior to the commencement of any Contract work by the subcontractor.

Section 1330. Conditions of Areas of Operations.

Use of Areas of Operations. PURCHASER shall follow the STATE's Authorized Representative's instructions, if any, regarding use of the Areas of Operations. STATE reserves the right to issue written authorization to others to use the Areas of Operations when, in the determination of STATE, such use will not materially interfere with the Operations of PURCHASER. During the term of this Contract, STATE reserves the right to sell any products or materials from the Areas of Operations, provided that the products or materials are not timber included in this Contract and that removal will not materially interfere with the Operations of PURCHASER. PURCHASER shall not interfere with the use of roads by other authorized users. PURCHASER shall not be held liable for any acts, omissions, or neglect of authorized simultaneous users.

In an emergency affecting the safety of life or of the Operations or of adjoining property, PURCHASER, without special instruction or authorization from STATE's Authorized Representative, shall act reasonably to prevent threatened loss or injury, and shall so act, without appeal, if instructed by STATE's Authorized Representative. Any compensation claimed by PURCHASER on account of emergency work shall be equitably determined by STATE.

Section 1335. Hazardous Substances Discovered by PURCHASER. Unless disposition of Hazardous Substances is specifically made a part of PURCHASER's Operations under this Contract, PURCHASER shall immediately notify STATE of any Hazardous Substances which PURCHASER discovers or encounters during performance of Operations. PURCHASER shall immediately cease operating in any part of the Area of Operations where Hazardous Substances have been discovered or encountered, if continued Operations in such area would present a bona fide risk or danger to the environment or to the health or well-being of PURCHASER's or any subcontractor's work force.

Unless disposition of Hazardous Substances is specifically made a part of PURCHASER's Operations under this Contract, upon being notified by PURCHASER of the presence of Hazardous Substances in the Area of Operations, STATE shall arrange for the proper disposition of such Hazardous Substances.

Section 1340. Hazardous Substances Generated/Aggravated by PURCHASER. PURCHASER shall be held responsible for any and all releases of Hazardous Substances during performance of the Contract which occur as a result of, or are aggravated by, actions of its agents, personnel, or subcontractors. PURCHASER shall immediately notify STATE of any release of Hazardous Substances and, as directed by STATE, shall promptly dispose of or otherwise remediate such spills or leaks to the satisfaction of STATE and proper regulatory agencies in a manner that complies with applicable federal, state, and local laws and regulations. Remediation shall be at no cost to STATE.

PURCHASER, at all times, shall:

(a) Properly handle, use, and dispose of all Hazardous Substances brought onto the Areas of Operations, in accordance with all applicable federal, state, or local statutes, rules, or ordinances;

(b) Be responsible for any spills, releases, discharges, or leaks of (or from) Hazardous Substances which PURCHASER has brought onto the Areas of Operations; and

(c) Promptly remediate, without cost to STATE, such spills, releases, discharges, or leaks to the STATE's satisfaction and in compliance with all applicable federal, state, or local statutes, rules or ordinances.

PURCHASER shall report all reportable quantity releases of Hazardous Substances and petroleum products to applicable federal, state, and local regulatory and emergency response agencies. Reportable quantities are found in 40 CFR, Part 302, Table 302.4 for Hazardous Substances and in OAR 340-142 for petroleum products.

Section 1350. Environmental Indemnification. PURCHASER shall indemnify and hold harmless the STATE from any claims resulting from the use, release or disposal of Hazardous Substances including their removal, encapsulation, transportation, handling, and other disposal, during the performance of this Contract, whether or not such use, release or disposal occurs within or outside the Timber Sale Area.

Section 1355. General Indemnification. PURCHASER shall indemnify, defend and hold harmless the State of Oregon, the Department of Forestry, the State Forester, their officers, agents, employees, and members ("Indemnified Parties"), from all claims, suits, actions, or liens of any nature resulting from or arising out of the activities of PURCHASER or its subcontractors, agents, or employees under this Contract, including any claim based upon an alleged failure to obtain any necessary Permit, license, or approval, or any claim of liability for premiums, contributions, or taxes payable under any Workers' Compensation, Disability Benefits, Old Age Benefits, including FICA, or tax withholding laws; provided, however, the Oregon Attorney General must give written authorization to any legal counsel purporting to act in the name of, or represent the interests of, any of the Indemnified Parties prior to such action or representation. Further, STATE, acting by and through its Department of Justice, may assume its own defense, including that of its officers, employees and agents, at any time when in STATE's sole discretion it determines that (i) proposed counsel is prohibited from the particular representation contemplated; (ii) counsel is not adequately defending the interests of STATE; (iii) important governmental interests are at stake; or (iv) the best interests of STATE are served thereby. PURCHASER's obligation to pay for all costs and expenses shall include those incurred by STATE in assuming its own defense. All provisions of this Section shall survive the termination of this Agreement.

Section 1360. Severability. If any provision of this Contract is declared by a court to be illegal or in conflict with any law, the validity of the remaining terms and provisions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the Contract did not contain the particular provision held to be invalid.

Section 1365. Waiver. Failure of STATE to enforce any provision of this Contract shall not constitute a waiver or relinquishment by STATE of the right to such performance in the future, nor of the right to enforce any other provision of this Contract.

Section 1370. Choice of Law and Venue. This Contract shall be governed by, construed and enforced in accordance with, the laws of the State of Oregon, without regard to principles of conflicts of law. Any claim, action, suit or proceeding (collectively, "Claim") between State (or any other agency or department of the State of Oregon) and Purchaser that arises from or relates to the Contract shall be brought and conducted solely and exclusively within the Circuit Court of Marion County for the State of Oregon; provided, however, if a Claim must be brought in a federal forum, then it shall be brought and conducted solely and exclusively within the United States District Court for the District of Oregon. In no event shall this Section be construed as a waiver by the State of Oregon of any form or defense or immunity, whether based on sovereign immunity, governmental immunity, immunity based on the Eleventh Amendment to the United States Constitution, or otherwise. **PURCHASER, BY EXECUTION OF THE CONTRACT, HEREBY CONSENTS TO THE IN PERSONAM JURISDICTION OF SAID COURTS**.

Section 1375. Notices. Any written notice to PURCHASER which may be required under this Contract to be served on PURCHASER by STATE may be served by personal delivery to PURCHASER or designated representative(s) by mailing the notice to the address of PURCHASER as is given in this Contract, or by leaving the notice at said address. Should PURCHASER be required to notify STATE concerning the progress of the Operations, or concerning any matter or complaint which PURCHASER may have regarding the Contract subject matter, or for any other reason, that notification is to be made in writing and delivered or mailed to the designated representative of STATE.

Section 1380. Entire Agreement; No Modification. This Contract consists of the entire written agreement between the parties, including but not limited to the Notice of Timber Sale, Invitation to Bid or Request for Proposal, Instructions to Bidders, specifications, terms, and conditions, Exhibits, Operations Plan, change notices, if any, and the accepted bid. No waiver, consent, modification, or change of terms of this Contract shall bind either party, unless in writing and signed by both parties. Such waiver, consent, modification, or change, if made, shall be effective only for the specific purpose given. There are no understandings, agreements, or representations, oral or written, not specified herein regarding this Contract. PURCHASER, by the signature of its Authorized Representative in Section 1000, "Signatures of Contract Parties," hereby acknowledges that she/he has read this Contract, understands it, and agrees to be bound by its terms and conditions.

OWNERSHIP OF MATERIALS AND IMPROVEMENTS

Section 1410. Materials from Federal Property. PURCHASER shall not take, sell, use, remove, or otherwise dispose of any sand, gravel, rock, earth, or other material obtained or produced from within the limits of rights-of-way, gravel pits, rock quarries, or other property owned by or held by the U.S. Forest Service, unless authorized by this Contract or separate written consent of STATE.

Section 1420. Materials and Improvements. Title to materials, Improvements, and other property the Contract requires PURCHASER to provide shall vest in and become the property of the U.S. Forest Service at the time such are furnished by PURCHASER and accepted by STATE. All materials, Improvements, and property furnished by PURCHASER shall be free and clear of liens, claims, and encumbrances.

PURCHASER shall keep in good repair all Improvements located on Federal land and existing at the time of execution of the Contract and any Improvements placed on Federal Land by PURCHASER which become the property of the U.S. Forest Service under this Contract. PURCHASER shall promptly repair or replace, without cost to STATE, any Improvement injured, damaged, or removed from the Areas of Operations by PURCHASER or by Contractors of PURCHASER.

Section 1430. Removal of Equipment and Materials. Within thirty (30) days after completion, and as a condition of final acceptance of PURCHASER's Operations, PURCHASER shall remove from the Areas of Operations and other property owned or controlled by the U.S. Forest Service, all equipment, materials, and other property PURCHASER has placed or caused to be placed thereon that is not to become the property of the U.S. Forest Service. PURCHASER acknowledges and agrees that any such equipment, materials, and other property that is not removed within thirty (30) days shall become the property of the U.S. Forest Service and may be used or otherwise disposed of by the U.S. Forest Service without notice or obligation to PURCHASER or to any party to whom PURCHASER may transfer title. Nothing in this section shall be construed as relieving PURCHASER from an obligation to clean up and to burn, remove, or dispose of debris, waste materials, and such, in accordance with the provisions of this Contract and applicable law. PURCHASER shall indemnify STATE or the U.S. Forest Service for any cost or expense incurred by STATE or the U.S. Forest Service as a result of PURCHASER's failure to satisfy this obligation.

CONTRACT CHANGES: EXTENSIONS, MODIFICATIONS, SUSPENSIONS, CANCELLATIONS, DELAYS, AND DEFAULT

Section 1510. Causes Beyond Control. Neither party of this Contract shall be held responsible for delay or default caused by fire, riot, acts of God, sovereign, public enemy, and/or war which is beyond that party's control. STATE may terminate this Contract upon written notice after determining such delay or default will reasonably prevent successful performance of the Contract.

In the event a cause or causes beyond the control of PURCHASER impact PURCHASER's ability to continue to perform under this Contract, STATE may grant a reasonable extension of time but shall not additionally compensate PURCHASER.

Section 1520. Cooperation With Resource Protection Efforts. STATE and the U.S. Forest Service must ensure that operations on National Forest System lands comply with Federal laws, including but not limited to: the Forest and Rangeland Renewable Resources Planning Action of 1974 (88 Stat. 476 et seq.) as amended by the National Forest Management Act of 1976 (90 Stat. 2949 et seq. ; 16 U.S.C. 1601-1614) (NFMA); the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.) (ESA); and the National Environmental Policy Act of 1969 (42 U.S.C. 4321-4347) (NEPA). PURCHASER's agreement under this Section is in addition to, and shall not relieve PURCHASER of, its own independent obligation to comply with all Federal and state laws.

(a) PURCHASER acknowledges that legal challenges involving compliance with Federal laws may occur and may affect PURCHASER's Operations under the Contract, and PURCHASER agrees to cooperate with STATE and the U.S. Forest Service's efforts to respond, as STATE and the U.S. Forest Service deem necessary or expedient, to those challenges.

(b) PURCHASER acknowledges STATE may, by written order, delay or interrupt authorized operations under this Contract or modify this Contract, in whole or in part:

  (i) To prevent environmental degradation or resource damage, including, but not limited to, harm to habitat, plants, animals, cultural resources, or cave resources;

  (ii) To ensure consistency with land and resource management plans, terms and conditions in Incidental Take Statements prepared under the ESA, or documents prepared pursuant to the NEPA;

  (iii) To conduct environmental analysis, including, but not limited to, engaging in consultation pursuant to the ESA or completing supplemental analyses under the NEPA; or

  (iv) To address issues raised in administrative appeals or in anticipated or pending litigation, regardless of whether STATE's order is required by a court order or this Contract is named in such a proceeding.

(c) PURCHASER further acknowledges and agrees that in the event of Contract modification, suspension, or termination, in no event is PURCHASER entitled to, nor is STATE or the U.S. Forest Service under any obligation, contractual or otherwise, to provide, lost profits, attorney fees, replacement cost of timber or other materials, or any other anticipatory losses or consequential damages, such as but not limited to reimbursement for interest or lost market opportunities, suffered by PURCHASER as a direct or indirect result of restrictions on Operations due to modification, suspension, or termination of Contract in accordance with this provision.

Section 1530. Extension of Time. STATE may extend the time for performance of this Contract upon written request from PURCHASER or at STATE's discretion. A request for extension:

- shall be accompanied by the written consent to an extension of the security by PURCHASER's surety;
- shall state the date to which the extension is desired, the Area of Operations to be affected, and the reason(s) for the extension; and
- must be received by STATE no later than thirty (30) days prior to the expiration date of this Contract unless the need for extension occurred within the thirty (30) days prior to the expiration date, in which case the request must be received prior to the expiration date.

Requests for extension will not be granted solely due to changes in timber market conditions. STATE shall grant a request for an extension only when it determines that extension would be in the best interests of STATE. In no event shall an extension exceed one year.

When STATE grants a request for extension, it may condition that grant upon any condition it determines is necessary to protect the interests of the STATE. Such conditions may include, but may not be limited to, the following:

(a) Payment at time of extension of the full amount of the unpaid balance of the Total Purchase Price. In the case of scale or weight sales, such payment shall be an advance deposit, based on remaining volume, as estimated by STATE.

(b) If PURCHASER is not otherwise in arrears in required payments, STATE may grant additional time for payment of the unpaid balance on the condition that PURCHASER make installment payments based on removal of Designated Timber as required by Section 1751, or 1752, "Payment Schedule," of this Contract, plus interest on all payments received after the original Contract expiration date, for material harvested, removed, and scaled, after the original Contract expiration date.

(c) Completion of designated requirements of this Contract, such as fire trail construction, Snag felling, Slash preparation Operations on logged portions of the Timber Sale Area, and road construction or maintenance.

(d) There will be a required payment of an Administrative Fee of $250.

(e) Payment of an extension fee in an amount determined by STATE (not less than $50). Such fee shall be based upon the loss of production, extra reforestation costs, brush control costs, Slash disposal costs, or other costs which may be caused by the extension.

(f) Require interest will be applied to all advertised volume hauled after the original expiration date. ORS 82.010 mandates the collection of interest at the annualized rate of 9 percent.

(g) Waiver of full payment or payment of interest on the unpaid balance of the Total Purchase Price, if STATE determines that extenuating circumstances warrant waiver or waiver is otherwise in the best interests of STATE.

Section 1540. Contract Modifications. PURCHASER and STATE acknowledge that changes are inherent in Operations of the type covered by this Contract. The number of changes, the scope of those changes, and the impact they have on the progress of the original Operations cannot be defined at the outset of the Contract. These changes may include, but are not limited to, changes in project specifications, project completion dates, Exhibit specifications, rock sources, excavator time requirements, seasonal restrictions, Timber Sale Area resource protection requirements, harvest methods, harvest completion dates, thinning prescriptions, tree harvest size limits, removal specifications, Reserved Timber specifications, haul route requirements, scaling requirements, and Timber Sale Area boundaries.

PURCHASER acknowledges and agrees that PURCHASER is not entitled to any reduction in the Purchase Price or Total Purchase Price solely due to the number of changes required to be made in the Contract. Each change will be evaluated on its own merit to determine if an extension of the time for performance under the Contract or an increase or decrease in the Purchase Price or Total Purchase Price is warranted.

STATE reserves the right to make, at any time during the Contract, such modifications as is necessary or desirable; provided such modifications shall not change the character of the Operations to be done nor increase the cost to the PURCHASER of performing the Project Work, unless such change in the Operations or cost increase is approved in writing by PURCHASER. Any modifications so made shall not invalidate this Contract nor release PURCHASER from its obligations under the performance bond and payment bond. PURCHASER agrees to complete the modified Operations as if they had been included in the original Contract.

If any change under this section causes an increase or decrease in PURCHASER's cost of performance or the time required for the performance of any part of the Operations for which PURCHASER wishes to claim a reduction in the Purchase Price or Total Purchase Price, PURCHASER must submit a written statement setting forth the nature and specific extent of the claim. Such claim shall include all time and cost impacts against the Contract and must be submitted as soon as possible following the change, but in any event no later than thirty (30) days after receipt of any written notice of modification of the Contract.

If PURCHASER discovers site conditions which differ materially from what was represented in the Contract or from conditions that would normally be expected to exist and be inherent to the activities defined in the Contract, PURCHASER shall notify STATE's Authorized Representative immediately and before the area has been disturbed. STATE's Authorized Representative will investigate the area and make a determination as to whether or not the conditions differ materially from either the conditions stated in the Contract or those which could reasonably be expected in execution of this Contract. If it is determined that a differing site condition exists, any compensation or credit will be determined based on an analysis by STATE's Authorized Representative. If PURCHASER does not concur with the decision of STATE's Authorized Representative and/or believes that it is entitled to additional compensation, PURCHASER may proceed to file a claim.

Claims Review Process. PURCHASER acknowledges that its exclusive remedies are defined in this Contract and all PURCHASER claims lie exclusively against STATE, not the U.S. Forest Service. All PURCHASER claims shall be referred to STATE's Authorized Representative for review. All claims shall be made in writing to STATE's Authorized Representative not more than ten (10) days from the date of the occurrence of the event which gives rise to the claim or not more than ten (10) days from the date that the PURCHASER knew or should have known of the problem. Any claim not submitted in accordance with these time requirements shall be waived.

All claims shall be submitted in writing and shall include a detailed, factual statement of the basis of the claim, pertinent dates, Contract provisions which support or allow the claim, reference to or copies of any documents which support the claim, the exact dollar value of the claim, and any specific time extension requested for the claim. If the claim involves Operations to be completed by subcontractors, PURCHASER shall analyze and evaluate the merits of the subcontractor's claim. PURCHASER shall forward the subcontractor's claim and PURCHASER's evaluation of such claim to STATE's Authorized Representative. STATE's Authorized Representative will not consider direct claims from subcontractors, suppliers, manufacturers, or others not a party to this Contract.

The decision of STATE shall be final and binding unless PURCHASER requests mediation within ten (10) days following notice of STATE’s decision.

Section 1550. Adjustment of Contract. Notwithstanding any other provisions of this Contract, STATE may, pursuant to Oregon law, make adjustments in the Contract when Major Catastrophes or significant changes in State and Federal law after the date of this Contract materially affect the volume and value of timber, or Project Work to be done, as specified in Section 2610, "Project Work," under the Contract. Major Catastrophes are defined as windstorms, floods, fire, landslides, or other acts of God, which are beyond the control of PURCHASER and in no way connected with negligent acts or omissions of PURCHASER, its officers, employees, agents, or subcontractors. Market conditions shall not be considered a reason for Contract adjustments. Adjustments made under this Section, if any, shall be for the sole purpose of placing the parties in their original status under the Contract insofar as possible; provided, however, that no adjustment shall be made in response to any loss or cost to PURCHASER that is recoverable from third parties by PURCHASER. PURCHASER shall make written application to STATE within 30 days after discovery of the damage done by the Major Catastrophe.

If, prior to completion of the Contract, a Major Catastrophe (as defined above) caused by a single event or significant changes in State and Federal law results in additional Project Work for PURCHASER involving an additional estimated cost of more than: (1) $1,000 for sales less than one-half million board feet; (2) $1,500 for sales of one-half million to three million board feet; or (3) $3,000 for sales over three million board feet, STATE may adjust the Contract Project Work Credits, in which event STATE will assume responsibility for any additional cost to complete the Project Work which exceeds the original project work amount. Adjustments by STATE shall be based on advertised volumes and may be accomplished by adjusting stumpage prices or payment of such additional costs to PURCHASER or by STATE assuming responsibility for performing that portion of the Project Work in excess of the original project work amount. The estimated cost of additional work shall be calculated by STATE.

If, prior to completion of the Contract, a change in State and Federal law, or a Major Catastrophe (as defined above), materially affects the volume and value of timber, STATE may adjust the volume and value accordingly. STATE shall determine the adjustment volume by either an individual tree sample cruise, or a point sample cruise to a 5 percent sampling error of the volume. For purposes of this Contract, "materially affect" shall mean more than $5,000.

Value adjustment shall be calculated by multiplying the volume adjustment times the Purchase Price.

For each species sold on a recovery basis, the Purchase Price is defined as the price per MBF listed in Section 1740, "Log Prices." If species is not listed in Section 1740, "Log Prices," the highest price listed in Section 1740, "Log Prices," shall apply.

For species sold on a lump sum basis, the Purchase Price for each species shall be determined by using STATE's unamortized timber appraisal value, multiplied by the bid-up factor. Bid-up factor shall be calculated by STATE using the following calculation: Bid value of all species/appraised value of all species = bid-up factor.

Section 1560. Violations; Default; Remedies. Any failure by PURCHASER to comply with the terms and conditions of this Contract is a violation. If PURCHASER commits a violation, STATE may, after giving written notice, suspend any further Operations of PURCHASER under this Contract, except those Operations necessary to remedy any violations.

If PURCHASER fails to remedy a violation within the time allowed and as instructed by STATE, or if PURCHASER fails to complete work as required under any interim Contract completion date or the Contract expiration date, or if PURCHASER injures or severs any timber other than Designated Timber, STATE may declare PURCHASER to be in default by providing notice of the default as required under OAR 629-032-0030. If the default is due to failure of PURCHASER to correct a violation as previously instructed, STATE may terminate the Contract as of the date specified in the earlier instruction. If the default is due to failure by PURCHASER to complete work prior to the expiration date or any interim completion date required under the Contract, or if PURCHASER injures or severs timber that is not Designated Timber, STATE may terminate the Contract without providing PURCHASER an opportunity to cure the default.

As provided in OAR 629-032-0050, within fifteen (15) days following receipt of a notice of default, PURCHASER may request a hearing before the State Forester to determine whether a default has in fact occurred. Hearings shall be governed by ORS 183-413 to ORS 183.497.

The provisions of OAR 629-032-0000 through -0070, and any future amendments, are incorporated into this Contract and made a permanent part hereof by reference as though fully set forth herein. THE PROVISIONS OF OAR 629-032-0000 THROUGH -0070 ARE IN ADDITION TO, AND NOT IN LIEU OF, ANY OTHER REMEDIES STATE MAY HAVE FOR THE PURCHASER'S BREACH OF CONTRACT. In the event of a default STATE may pursue any and all remedies available to STATE. Such remedies include, but are not limited to: (1) making a claim on each bond provided by PURCHASER; (2) suing PURCHASER for all damages STATE incurs as a result of PURCHASER's breach; (3) suing PURCHASER for specific performance of the Contract; or (4) terminating the Contract and reselling the timber.

Section 1570. STATE's Right to Suspend Operations. STATE and/or STATE's Authorized Representative may suspend portions or all of the Operations due to causes including, but not limited to:

(a) Failure of the PURCHASER to correct unsafe conditions;

(b) Failure of the PURCHASER to carry out any provision of the Contract;

(c) Failure of the PURCHASER to carry out written instructions from STATE's Authorized Representative;

(d) Conditions which, in the opinion of STATE's Authorized Representative, are unsuitable for performing the Operations;

(e) Time required by STATE to investigate differing site conditions;

(f) Any of the conditions listed in Section 1520. Cooperation With Resource Protection Efforts;

(g) STATE-ordered identification or protection of a state or federally listed threatened or endangered species; or

(h) Any reason considered by STATE to be in the public interest.

In the event a suspension of Operations under (d), (e), (f) or (g) above imposes additional costs on PURCHASER, PURCHASER may submit a request for a modification of the Contract under Section 1540, "Contract Modifications"; provided, however, that no claim for a reduction in the Purchase Price or Total Purchase Price will be allowed due to changes in market conditions or lost market opportunities occurring following any suspension of Operations. In addition, in no event shall STATE be liable for any costs incurred by PURCHASER by reason of delay or suspension under this section, including but not limited to costs of additional move-in/move-out of equipment and personnel, extra fire and equipment security, and insurance or bonding expenses.

Extension After Suspension. When a suspension occurs under (d), (e), (f) or (g) above, PURCHASER may request an extension of time for performance of this Contract, for a period not to exceed the period of time during which Operations were suspended. The request for extension must be in writing and:

(1) Shall be accompanied by the written consent to an extension of the security by PURCHASER's surety;

(2) Shall state the date to which the extension is desired and the Area(s) of Operations affected; and

(3) Shall be received by STATE no later than ten (10) days following notice to PURCHASER that Operations may recommence.

STATE normally will not withhold approval of reasonable extension requests made under this section.

PURCHASER's Responsibilities. For the duration of the suspension, PURCHASER is responsible to continue maintenance at the Area(s) of Operations just as if Operations were in progress. This includes, but is not limited to, protection of completed Operations, maintenance of access, protection of stored materials, temporary facilities, and clean-up.

When Operations re-commence after the suspension, PURCHASER shall replace or renew any Operations damaged during the suspension, remove any materials or facilities used as part of temporary maintenance, and complete Operations in every respect as though prosecution had been continuous and without suspension.

PURCHASER shall not cut or remove any timber under this Contract during any period of suspension. Any such cutting or removing shall be considered a willful trespass and shall render PURCHASER liable for triple damages in accordance with Section 1580, "Trespass."

Section 1580. Trespass. PURCHASER shall be exclusively responsible for any damage or removal of other than Designated Timber, and for damage to or removal of timber or other property beyond the boundaries of the Areas of Operations resulting from any activities of PURCHASER. Any such activity resulting from the activities of PURCHASER shall constitute a trespass, and a violation of the Contract. In addition to, and without limiting in any way any other remedies that may be available to STATE, PURCHASER shall pay to STATE damages for any trespass as follows:

(1) For each species involved in the trespass, triple the Purchase Price if PURCHASER's action is willful or intentional; or

(2) For each species involved in the trespass, double the Purchase Price if PURCHASER's action is not willful or intentional.

As used in this section, the term "willful" or "intentional" includes, but is not limited to: any voluntary or deliberate activity by PURCHASER, its employees, Contractors, subcontractors, or agents which results in the removal or damage to any timber not described under Section 2210, "Designated Timber," including removal or damage arising from a mistake of law or fact concerning the Designated Timber.

COMPLIANCE WITH LAWS AND REGULATIONS

Section 1605. Nondiscrimination. The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, and so forth.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Section 1607. Compliance with Federal Laws. PURCHASER, by signature below, certifies that: (1) Neither the corporation or its principals have been convicted of a felony violation under any Federal law within the preceding 24 months of the effective date of the Contract; and (2) Neither the corporation or its principals have failed to file all Federal tax returns required during the three years preceding the Contract; have been convicted of a criminal offense under the Internal Revenue Code; or have been notified of any unpaid Federal tax assessment for which the liability remains unsatisfied, unless the assessment is the subject of an installment agreement or offer in compromise that has been approved by the Internal Revenue Service and is not in default

Section 1610. Permits; Licenses; Safety. PURCHASER shall procure all Permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the Operations, and shall maintain and keep such Permits and licenses current throughout the term of the Contract. PURCHASER shall notify STATE immediately if such Permits or licenses are revoked or suspended by the relevant government agency.

STATE may at any time require PURCHASER to satisfy STATE that Operations under this Contract comply with State and Federal laws, codes, regulations, and ordinances. STATE may require PURCHASER to obtain a Permit, license, or approval from the governmental body or agency responsible for administering applicable laws before PURCHASER may begin or continue Operations under this Contract.

PURCHASER shall comply with all federal, state, and local laws, regulations, and ordinances applicable to this Contract or to PURCHASER's obligations under this Contract, as those laws, regulations, and ordinances may be adopted or amended from time to time. Without limiting the generality of the foregoing, PURCHASER expressly agrees to comply with the following laws and regulations to the extent they are applicable to the Contract: (i) the Oregon Forest Practices Act and all regulations promulgated pursuant thereto; (ii) all rules and regulations of the Oregon State Board of Health; (iii) all rules and regulations of the Oregon Environmental Quality Commission relating to the protection of soil, air, and water resources, and (iv) compliance with updated Federal Law Worker Protection Standards and applicable federal regulations related to the protection of workers, handlers and other persons from agricultural pesticides, including all required training for workers on state forestland.

Regarding pesticide application, it is the responsibility of the PURCHASER to ensure sufficient actions are taken to prevent any and all individuals from entering an Application Exclusion Zone. This includes federal regulations that require handlers of pesticides to temporarily suspend applications of pesticides if any worker or any person is in the treated area or an Application Exclusion Zone (zone or area surrounding pesticide application equipment). And includes federal requirements to display, maintain, and provide access to pesticide safety information and pesticide application and hazard information in accordance with federal regulations if workers or handlers are on an application area and within the last 30 days a pesticide product has been used or a restricted-entry interval for such pesticide has been in effect on an application area. PURCHASER shall bear the burden/costs associated with any such pesticide related delays.

In the performance of the Operations, PURCHASER shall use every reasonable and practicable means to avoid damage to property and injury to persons. The responsibility of PURCHASER stated herein shall cease upon the Operations being accepted as complete by STATE.

PURCHASER shall take all necessary precautions for the safety of all personnel in the Areas of Operations, and shall comply with the Contract and all applicable provisions of State and Federal safety laws or regulations designed to prevent accidents or injury to persons on, about, or adjacent to the Areas of Operations. PURCHASER shall erect and properly maintain at all times, as required by the conditions and progress of PURCHASER's Operations, all necessary safeguards for protection of workers and the public against any hazards created by the Operations. The STATE's Authorized Representative has no responsibility for safety in the Areas of Operations. Safety in the Areas of Operations is the sole responsibility of PURCHASER.

Section 1630. Threatened and Endangered Species. PURCHASER shall at all times observe and comply with all State and Federal laws, including the Endangered Species Act of 1973, as amended (16 U.S.C. 1531-1536, 1538-1540), ORS 496.172 to 496.192 (Threatened and Endangered Wildlife Species), and ORS 564.100 to 564.135 (Threatened and Endangered Plants), and lawful regulations issued thereunder, and local bylaws, ordinances, and regulations, which relate to threatened or endangered plant or animal species while performing Operations under this Contract.

Section 1640. Protection Measures Needed for Plants, Animals, Cultural Resources, and Cave Resources.

(a) Areas, known by STATE prior to timber sale advertisement, needing special measures for the protection of plants, animals, cultural resources, and/or cave resources are shown on Sale Area Map and/or identified on the ground, and shall be treated as follows:

(i) Unless agreed otherwise, wheeled or track laying equipment shall not be operated in areas identified as needing special measures except on roads, landings, tractor roads, or skid trails approved by STATE. PURCHASER may be required to backblade skid trails and other ground disturbed by PURCHASER's Operations within such areas.

(ii) Unless agreed otherwise, trees will not be felled into areas identified as needing special measures.

(iii) PURCHASER shall conduct operations in a manner that does not damage or disturb identified areas. In the event that protective measures identified by the STATE are for any reason inadequate, STATE may delay or interrupt PURCHASER's operations, under this Contract, and/or modify this Contract pursuant to Section 1520.

(iv) PURCHASER shall immediately notify the STATE if its operations disturb or damage any area identified as needing special protection, and shall immediately halt its operations in the vicinity of such area until STATE authorizes continued operations. In the event that PURCHASER's operations disturb or damage an area identified as needing special protection, then PURCHASER shall reimburse the STATE for the full cost and expense of any evaluative and remedial measures undertaken by the STATE in connection with such disturbance or damage. Such payment shall not relieve PURCHASER from civil or criminal liability under applicable law.

(b) Nothing contained in this Subsection shall establish, or be deemed to establish any express or implied warranty on the part of STATE (i) that STATE has identified all areas within the Sale Area requiring special protection, or (ii) that measures prescribed by STATE for protection of such areas are adequate.

(c) Following sale advertisement, additional areas needing special measures for protection may be discovered or identified; protective measures may be revised or newly prescribed; and, additional species of plants and/or animals may be added to federal lists of protected species. In such event, STATE may delay or interrupt PURCHASER's operations, under this Contract, and/or modify this Contract pursuant to Section 1520. Cooperation With Resource Protection Efforts.

(d) Discovery, by either PURCHASER or STATE, of additional areas, resources, species, or members of species needing special protection shall be promptly reported to the other party.

(e) Change to any proposed project activities will require STATE consultation. This includes but is not limited to any ground disturbing activities (e.g., newly proposed harvest activities, helicopter landings, temporary roads, burning, staging areas).

(f) No ground-disturbing activities shall occur within the boundary of a historic property that is included in, or eligible for inclusion in, the National Register of Historic Places.

Section 1650. Protection of Soil, Air, and Water Resources. PURCHASER shall comply with State and Federal law, including the Oregon Forest Practices Act and rules promulgated thereunder, and with rules and regulations of the, Oregon State Board of Health, the Environmental Quality Commission and other agencies relating to the protection of soil, air, and water resources.

Section 1660. Tax Liability. STATE makes no representations concerning tax liability or consequences arising from this sale of Federal timber. It is PURCHASER's sole responsibility to determine what tax liability may be incurred as a result of purchasing Federal timber, regardless of whether the Federal timber is growing or located on Federal land or elsewhere. PURCHASER shall be responsible for paying all applicable timber harvest or severance taxes and shall indemnify and hold harmless the U.S. Forest Service and STATE against any tax claims arising from the purchase of Federal timber.

Section 1670. Compliance with Tax Laws. By execution of this Contract, the person signing this Contract on behalf of PURCHASER certifies, under penalty of perjury, that to the best of his or her knowledge, PURCHASER is not in violation of any Federal tax laws.

PAYMENTS

Section 1740. Log Prices. The following price schedule shall be designated as the "Purchase Price" and shall apply to all logs removed from Designated Timber. Payment shall be for net log scale, unless noted.

Log prices shall be:

Conifer Logs	Price per MBF
Douglas-Fir	$
Western Hemlock and other conifers	$1.00
Western red cedar	$650.00
Conifer Utility PC	$70.00
Conifer Utility SC	$70.00
Pulp logs	$1/Ton

Hardwood Logs	Price per MBF
Red alder and other hardwoods	$70.00
Pulp logs	$1/Ton

*At Price Above, means material will be charged at the highest rate for that species.

Contingent Price Adjustment. As provided in Section 1020, "Sale of Timber," in accordance with the terms of current State and Federal law, that unprocessed timber shall not be exported from Federal lands. PURCHASER specifically agrees that Section 1020, "Sale of Timber," is a material term of this Contract and is part of the consideration offered to STATE in return for STATE's performance. In the event that any Federal or State law or any provision of this Contract concerning export of unprocessed timber is declared invalid by any court or administrative tribunal, PURCHASER agrees to pay to STATE, in addition to the Total Purchase Price, an incremental amount equal to the difference between the Total Purchase Price and any greater price obtained by PURCHASER for the exported unprocessed timber.

In the event that timber made available under this Contract is exported in violation of this Contract, PURCHASER shall be in material breach of the Contract. In such event, STATE shall be entitled to cease performance of the Contract and bar PURCHASER from the Timber Sale Area, and to recover, in addition to the Total Purchase Price and additional increment set out above, a further sum estimated by STATE to compensate for administrative expense and the economic impact of the violation upon the U.S. Forest Service. In no case shall this additional amount be less than $10,000 per incident.

Section 1751. Payment Schedule. The Total Purchase Price for timber sold under this Contract shall be paid in advance as follows:

The first payment shall be paid within 30 days of the notice of intent to award or before beginning Operations, whichever occurs first. The first payment shall be the total estimated bid value divided by 10. The total estimated bid value shall be the sum obtained by multiplying the estimated timber volumes by the Purchase Prices given in Section 1740, "Log Prices," less the value of the Project Work. Cash bid deposits shall be applied to the initial payment.

Subsequent payments shall be made in advance of timber removal when log hauling begins. Each payment shall be made before the value of timber removed equals one-half of an advance payment or within the time period stated on the billing if PURCHASER is more than one-half of a payment in advance. The amount of each advance payment shall be calculated by dividing the total estimated bid value less the initial payment by 9; with the total estimated bid value being the sum obtained by multiplying the estimated timber volumes by the Purchase Prices given in Section 1740, "Log Prices," less the value of the Project Work.

In addition and notwithstanding the above schedule, a minimum of 50.00 percent of the estimated bid value is required and shall be paid on or before 11/20/2026 (change date).

STATE may accept partial payment, upon written request, if logging is inactive. However, the full amount of advance payment must be paid before Operations resume. Partial payment must be sufficient to maintain a payment deposit equal to one-half of a regular advance payment.

The Total Purchase Price shall be calculated after all log scale is reported by multiplying prices in Section 1740, "Log Prices," by the scaled volume. STATE shall refund any advance payment in excess of the Total Purchase Price, or PURCHASER shall pay any deficit within thirty (30) days of notice. PURCHASER's Deposit Account shall not accrue interest payable to PURCHASER.

Section 1760. Payments and Interest. Payments required of PURCHASER by this Contract or modifications of this Contract must be received by STATE within the time period stated on the instrument requesting payment from PURCHASER.

Payments received after the due date stated on the billing instrument may be subject to an interest charge. The interest rate shall not be less than the established minimum state rate on delinquent accounts. The interest rate applied to overdue payments shall be in accordance with ORS 82.010. ORS 82.010 mandates the collection of interest at the annualized rate of 9 percent. Interest shall be calculated from the original billing due date to the date payment is received by the State Forester.

PART II: SPECIFICATIONS

ACCOUNTABILITY

Section 2015. Log Accountability and Log Load Receipts - Sawlogs.

Load Receipt Books. STATE shall issue to PURCHASER sufficient books of serially numbered pink Log Load Receipts to cover up to 30 days of operation, as determined by STATE. PURCHASER shall sign a receipt for each book of receipts and be fully accountable for all serially numbered Woods Receipt and Scaler Receipt tickets. PURCHASER shall retain all Woods Receipts in each book and return the book to STATE as soon as all receipts in each book have been used. Unused books or portions of books shall be returned to STATE during periods of inactivity lasting over 30 days, and at the completion of timber removal from the Timber Sale Area.

Completion of Load Receipts. PURCHASER shall completely and accurately fill out all portions of the Log Load Receipt before each truck leaves the Landing area. PURCHASER shall require the truck driver of each load of logs to sign the Woods Receipt. PURCHASER shall staple the Load Receipt and Scaler Receipt parts to the load as instructed on the Log Load Receipt directions and as directed by STATE before each truck leaves the Landing area.

PURCHASER shall require the scaler to record the Log Load Receipt number on the scale ticket that is signed by the scaler, attach the Scaler Receipt part to a copy of the scale ticket, and mail the scale ticket with the attached receipt to STATE on the date scaled.

PURCHASER shall account for each and every serially numbered Log Load Receipt. For all Log Load Receipts not accounted for by proof of scaling, STATE shall determine if unaccounted tickets are to be voided or if PURCHASER shall pay damages to STATE. Damages shall consist of full value for each missing receipt, on the basis of the average value of the 10 highest value loads of logs scaled from the Timber Sale Area, or the average value of the 10 highest value loads of logs scaled at a Scaling Location, as determined by STATE.

PURCHASER shall not intermingle Federal timber or logs designated by this Contract with any other timber or logs before log scaling occurs, unless otherwise approved by STATE.

Delivery Destination and Transfer of Federal Timber. Prior to conveying unprocessed timber sold under this Contract to a delivery destination or prior to selling, trading, exchanging, or otherwise conveying unprocessed timber sold under this Contract to any other person, PURCHASER must first complete an Exhibit C form selecting a delivery destination from the STATE approved scaling locations. All STATE approved scaling locations are eligible to receive unprocessed Federal timber by adhering to the terms and conditions contained in the Forest Resources Conservation and Shortage Relief Act of 1990, as amended (16 USC 620, *et seq*.).

Section 2016. Log Accountability and Log Load Receipts – Pulp Logs.

Load Receipt Books. STATE shall issue to PURCHASER sufficient books of serially numbered yellow Log Load Receipts to cover up to 30 days of operation, as determined by STATE. PURCHASER shall sign a receipt for each book of receipts and be fully accountable for all serially numbered Woods Receipt and Scaler Receipt tickets. PURCHASER shall retain all Woods Receipts in each book and return the book to STATE as soon as all receipts in each book have been used. Unused books or portions of books shall be returned to STATE during periods of inactivity lasting over 30 days, and at the completion of timber removal from the Timber Sale Area.

Completion of Load Receipts. PURCHASER shall completely and accurately fill out all portions of the Log Load Receipt before each truck leaves the Landing area. PURCHASER shall require the truck driver of each load of logs to sign the Woods Receipt. PURCHASER shall staple the Load Receipt and Scaler Receipt parts to the load as instructed on the Log Load Receipt directions and as directed by STATE before each truck leaves the Landing area.

PURCHASER shall require the weigher to sign the machine-printed weight receipt and record the Log Load Receipt number on the weight receipt. The weigher shall mark the delivery location identification on the Scaler Receipt part, attach the weight receipt to it and mail it to the designated Third-Party Scaling Organization (TPSO) weekly.

PURCHASER shall account for each and every serially numbered Log Load Receipt. For all Log Load Receipts not accounted for by proof of weighing, STATE shall determine if unaccounted tickets are to be voided or if PURCHASER shall pay damages to STATE. Damages shall consist of full value for each missing receipt, on the basis of the average value of the 10 highest value loads of logs weighed, based on gross weight, from the Timber Sale Area, or the average value of the 10 highest value loads of logs weighed at a STATE approved delivery location, as determined by STATE.

PURCHASER shall not intermingle Federal timber or logs designated by this Contract with any other timber or logs before log weighing occurs, unless otherwise approved by STATE.

Delivery Destination and Transfer of Federal Timber. Prior to conveying unprocessed timber sold under this Contract to a delivery destination or prior to selling, trading, exchanging, or otherwise conveying unprocessed timber sold under this Contract to any other person, PURCHASER must first complete an Exhibit C form selecting a delivery destination from the STATE approved delivery locations. All STATE approved delivery locations are eligible to receive unprocessed Federal timber by adhering to the terms and conditions contained in the Forest Resources Conservation and Shortage Relief Act of 1990, as amended (16 USC 620, *et seq*.)

Section 2020. Log Measurement - Sawlogs.

Scaling Locations, Rules, and Organizations: All saw logs from timber sold under this Contract shall be: (1) scaled at a location approved in writing by STATE; (2) scaled by a third-party scaling organization that is a party to a current agreement with STATE; and (3) scaled using the Official Log Scaling and Grading Rules (as adopted by the Northwest Log Rules Advisory Group) and STATE special service scaling instructions in effect at the time the logs are scaled. Utilization scale shall be handled in accordance with Section 2055, "Utilization Scale."

Upon loading at the Timber Sale Area, a log load shall be directly hauled to an approved scaling location, if required to be scaled. Log loads shall not be stored for late delivery without written approval from STATE.

PURCHASER shall enter into a written agreement with a third-party scaling organization for the scaling of saw logs removed from the Timber Sale Area (the “Scaling Agreement”). PURCHASER shall furnish STATE with a copy of the Scaling Agreement upon request. If logs are delivered when a TPSO scaler is not present, PURCHASER must provide STATE with a method to assure protection and accountability.

Unless other arrangements have been made through a Log Yard Agreement between PURCHASER and STATE, PURCHASER shall provide STATE with remote check scaling opportunities for logs scaled or weighed under this Contract. The last two loads at each delivery point shall be continuously available for checking. They shall remain available for a minimum of 48 hours unless replaced by other Federal timber loads. They shall be available as originally presented for scaling; i.e., if truck scaled or if the load was weighed, they shall be presented in bunks.

In the event scaling is suspended for any reason, hauling Operations shall be immediately suspended until approved alternate scaling services are provided, or service by the scaling organization is resumed.

Accountability Violations - Scaling Ramp Requirement. If PURCHASER violates any of the log accountability requirements of this Contract, STATE may require all logs from timber sold under this Contract to be scaled at a ramp provided by PURCHASER, in a location designated by STATE. All costs associated with this additional scaling requirement shall be paid by PURCHASER.

Cost of Scaling. All costs of scaling and all costs in connection with reports furnished to STATE shall be paid by PURCHASER.

The Scaling Agreement shall provide, and PURCHASER shall require, that the scaling organization furnish copies each week to STATE, of all scaled certificates showing gross and net volumes, by species and grade, of all logs scaled during the week. Upon request by STATE, PURCHASER shall also require the scaling organization to furnish and attach a log detail listing to each weekly scale certificate showing all Federal timber logs included on the certificate.

Scaling Instructions. The Scaling Agreement shall authorize STATE to provide instructions to the approved third-party scaling organization for the scaling practices to be used for timber removed from the Timber Sale Area. Instructions shall conform to the terms of this Contract, including special scales as necessary. PURCHASER shall acknowledge and sign such instructions and shall be provided a copy.

Minimum Products Specifications and Special Scale information are shown on Exhibit C.

Logs Damaged During Handling. Mechanical damage to logs shall be prevented during log handling. Deductions for handling damage shall not be allowed.

Add-Back Volume. Scaling deduction for deterioration due to delay in removal of logs from the Timber Sale Area shall not be allowed in determining net volume. Volume of material deteriorated due to delay in removal shall be reported to STATE and paid for at the Purchase Price. Any cost for separate reports shall be paid by PURCHASER.

Special Scaling Instructions. Segment scaling or grading of logs in excess of 40 feet in gross scaling length shall use actual taper. Procedures are set forth in "Segment Scaling and Grading of Long Logs - All Species - State Forestry Department Scaling Instructions" (Westside).

Section 2025. Log Measurement – Pulp Logs. All pulp logs shall be weighed at a location approved in writing by STATE. PURCHASER shall require the gross weight and the truck tare weight for each load to be machine printed on the weight receipt. PURCHASER shall also require the weigher to sign the weight receipt and record the Log Load Receipt number on the weight receipt. PURCHASER shall require that the Pulp facility furnish copies of all weight receipts to STATE on a weekly basis, with summaries for all truck loads delivered.

Upon loading at the Timber Sale Area, a log load shall be directly hauled to an approved Pulp facility. Log loads shall not be stored for late delivery without written approval from STATE.

Accountability Violations: If PURCHASER violates the STATE definition of approved Pulp sort in Exhibit C, STATE may require a TPSO to inspect each Pulp load prior to weighing.

PURCHASER shall enter into an agreement with a third-party scaling organization for the processing of the weight receipts.

Unless other arrangements have been made through an agreement between PURCHASER and STATE, PURCHASER shall provide STATE with remote check scaling opportunities for logs weighed under this Contract. The last two loads at each delivery point shall be continuously available for checking. They shall remain available for a minimum of 48 hours unless replaced by other STATE loads. They shall be available as originally presented; i.e., if the load was weighed, they shall be presented in bunks.

Weighing Instructions. STATE will provide instructions to the approved Pulp facility for the practices to be used for Pulp logs removed from the Timber Sale Area. Instructions will conform to the terms of this Contract, PURCHASER shall acknowledge and sign such instructions and shall be provided a copy.

Minimum Products Specifications and Weight information are shown on Exhibit C.

Section 2030. Log Branding and Painting – Sawlogs. Unless approved in writing in advance by STATE, at least one end of every saw log removed from the Timber Sale Area shall be both clearly hammer branded and painted with a minimum 2-inch diameter spot of orange paint. PURCHASER shall use only those brands issued by STATE for use on timber sold under this Contract. Only those brands issued by STATE for use on timber sold under this Contract shall be allowed on the Areas of Operations at any time.

In addition, PURCHASER shall brand and paint all logs left singly or in decks along rights-of-way and shall brand and paint one end of all logs yarded and left on Landings after termination of Operations each day. PURCHASER shall make every effort to remove logs from roads or Landings within a reasonable period of time and agrees to notify STATE in advance if it intends to leave logs decked along roads or on Landings for more than 96 hours. STATE may scale such decked logs, and PURCHASER shall be responsible for the costs of such scaling and for any loss due to theft or deterioration.

STATE may issue PURCHASER one or more branding hammers registered to STATE. PURCHASER shall sign a receipt for all branding hammers registered to STATE and issued to PURCHASER, and will return them in good condition within 14 calendar days following completion of log hauling. PURCHASER shall pay a fee of $100 to STATE for each branding hammer returned to STATE in damaged or repairable condition, or $500 for each branding hammer not returned within the time specified by STATE, or returned in unrepairable condition. PURCHASER may replace damaged branding hammer handles, but only with 24” wooden handles, or with handles approved by STATE.

If properly marked timber is subdivided into smaller pieces for any other purpose than immediate processing, each piece shall be branded with a STATE brand specifically used for this purpose, signifying the logs are Federal timber and ineligible for export. Additional branding hammers registered to STATE, to be used for this purpose, may be obtained from STATE upon request, at cost.

Section 2031. Log Branding – Pulp Logs. At least 4 logs on each Pulp load removed from the Timber Sale Area shall be clearly hammer branded. PURCHASER shall use only those brands issued by STATE for use on timber sold under this Contract. Only those brands issued by STATE for use on timber sold under this Contract shall be allowed on the Areas of Operations at any time.

Logs that do not meet the Contract definition for Pulp and do not meet the definition of a saw log in the Official Log Scaling and Grading Rules published by the Northwest Log Rules Advisory Group shall be decked separately from all other logs for inspection by STATE. Utility logs approved for removal as Pulp will be marked by STATE with blue paint. **PURCHASER shall not possess any blue paint on the Timber Sale Area.**

STATE may issue PURCHASER one or more branding hammers registered to STATE. PURCHASER shall sign a receipt for all branding hammers registered to STATE and issued to PURCHASER, and will return them in good condition within 14 calendar days following completion of log hauling. PURCHASER shall pay a fee of $100 to STATE for each branding hammer returned to STATE in damaged or repairable condition, or $500 for each branding hammer not returned within the time specified by STATE, or returned in unrepairable condition. PURCHASER may replace damaged branding hammer handles, but only with 24” wooden handles, or with handles approved by STATE.

Section 2035. Hauling and Operating Time Restrictions. PURCHASER shall not haul logs from the Timber Sale Area on weekends, federally observed holidays, or outside the hours of 3:00 a.m. to 6:00 p.m. daily without notification to and prior approval by STATE.

(1) Haul route will be limited to Forest Service Road 634 and 2212.

(2) Log hauling on unsurfaced roads shall not be allowed from October 15 through May 15 unless otherwise approved in writing by STATE.

Section 2045. Log Removal. All logs defined below, except those specified in Sections 2220 through 2250, "Reserved Timber," shall be removed as Designated Timber under this Contract, at prices given in Section 1740, "Log Prices":

(a) Any conifer log that conforms with grading rules for peeler or sawmill grades and meets or exceeds both of the following minimum requirements: 5 inches in gross scaling diameter, containing 20 board feet (net).

(b) Any hardwood log that conforms with grading rules for No. 4 Alder log grade or better and meets or exceeds both of the following minimum requirements: 7 inches in gross scaling diameter, containing 30 board feet (net).

(c) Any conifer log that meets the specifications of Utility, Peelable, or Special Cull grade.

(d) Pulp removal optional.

For purposes of log removal requirements, minimum net log volume shall be determined by the net volume of the full log length rather than the volume of individual segments.

Other logs may be removed from Designated Timber under this Contract at prices given in Section 1740, "Log Prices."

Log grades are defined in the Official Log Scaling and Grading Rules published by the Northwest Log Rules Advisory Group in effect at the time logs are scaled.

PURCHASER shall not deliberately buck logs to reduce log sizes to less than minimum requirements for log removal, and shall take reasonable precautions to prevent breakage losses in felling and Yarding.

Section 2055. Utilization Scale. STATE shall scale logs or portions of logs that are broken, wasted, or not removed by PURCHASER due to: (1) improper felling or bucking of the logs; (2) failure to remove the logs prior to deterioration; and (3) logs remaining on the Timber Sale Area after completion of logging, provided the logs were merchantable prior to breakage or wastage. Material used to meet down material requirements in Sections 2220 through 2250, "Reserved Timber," shall not be considered for Utilization Scale. PURCHASER shall pay for the logs at the Purchase Price designated in Section 1740, "Log Prices." STATE shall notify PURCHASER of the volume of logs so scaled. Payment shall be considered due on such volume as if the logs were removed on the date of said notification.

In the event PURCHASER disagrees with the findings made by STATE under this section, PURCHASER may furnish scaling by a third-party scaling organization acceptable to STATE. Costs and expenses of such third party shall be paid for by PURCHASER, and the findings of the third party shall be final.

Section 2060. Special Products. "Special products" are any products not in log form manufactured from material having a price, or listed as "No Charge," under the Contract. PURCHASER shall not sell special products from the Timber Sale Area, or allow firewood, shake, or post cutting, or any other special product manufacturing on the Timber Sale Area without prior written approval of STATE.

ACCESS AND ROAD MAINTENANCE

Section 2120. Access. PURCHASER shall use the roads shown on Exhibit A for access to the Timber Sale Area and Project Locations. If gate keys are required to access the Timber Sale Area, they can be obtained at the ODF District Office by a designated PURCHASER's Authorized Representative. Any keys not returned at the completion of all operations under this Contract shall be subject to a fee of $250 per key not returned. If PURCHASER desires to use an alternative route, it shall be PURCHASER's responsibility to secure that access and obtain STATE approval for the route. The use of access roads shall be limited to that necessary to carry out the terms and provisions of this Contract. Except as otherwise provided for in this Contract, PURCHASER shall have the right of access over, in, and through the Timber Sale Area for the purpose of cutting and removing timber or performing other Operations. PURCHASER, in so using, improving, or constructing roads, shall at no time have an interest in the land, other than the temporary right of access during the term of the Contract.

Section 2130. Road Maintenance. PURCHASER is responsible for normal road maintenance on roads used for any activity under this Contract. Normal road maintenance shall provide for safe forest driving conditions, continuous access and road use, protection of roads from damage, water quality, and compliance with all applicable laws.

PURCHASER's responsibility for normal road maintenance commences with PURCHASER's first use of a road for any activity under the Contract period and shall continue until final acceptance of the maintenance is made by STATE. In addition, PURCHASER is responsible for normal road maintenance needs that are caused by public use of the roads.

If other parties are authorized under Section 1330, "Conditions of Areas of Operations," to use roads in the Timber Sale Area, PURCHASER and each party so authorized shall be responsible for a proportionate share of normal maintenance, based upon the ratio of each party's use to total road use, as determined by STATE.

STATE will determine when maintenance is needed and will issue instructions to PURCHASER specifying work to be done and the date by which it must be completed.

“Normal road maintenance” shall include any action needed to prevent and protect the road from soil contamination, seasonal weather damage, protect water quality, repair damage caused by road use, and restore the road to at least the road condition at commencement of use, including, but not limited to:

(a) Cut Banks and Fill Slopes.

(1) Remove Slash created by Operations.

(2) Remove obstructions and fallen timber.

(3) Restore stability impacted by Operations.

(4) All cut bank and fill slope maintenance work shall be performed in such a manner that soil and vegetative material does not contaminate the road surface.

(b) Ditches.

(1) Remove bank slough, minor slides, and obstructions.

(2) Remove slash created by operations.

(3) Restore ditches to functional drainage. Refer to Exhibit D for ditch drainage specifications.

(4) Minimize erosion and/or sediment delivery by placement and maintenance of filtering systems.

(5) Soil and vegetative material shall not be pulled across the road surface.

(6) When removing vegetation from ditch lines where ditches are hydrologically connected to any stream, install an effective sediment trap to prevent ditch erosion from entering streams (e.g. wattles, mulching cleared ditches within 100’ of stream crossing culverts) until vegetation is re-established.

(7) All waste material generated from road maintenance will be hauled to a designated waste site outside of Riparian Reserves, as approved by STATE.

(c) Drainage Systems.

(1) Clear all culverts, including inlets, outlets, half rounds, rock ditch filters, and sediment catch basins.

(2) Maintain waterbars, drainage dips, and other water diversion measures.

(3) During active use, patrol and maintain functional drainage.

(4) Repair damaged culvert ends. Damaged culvert inlets and/or outlets shall be repaired by opening them with a hydraulic jack or cutting off the culvert end to allow for free passage of water at peak flow levels. Install a culvert marker at each newly installed culvert and at each existing culvert that is missing a marker that could be reached by a grader blade.

(5) Best Management Practices (BMPs), including placement of sediment barriers, provision of flow bypass, and other applicable measures, would be included as necessary to control off-site movement of sediment

(d) Road Surfaces

(1) Grade, shape, crown, and/or out slope surface and shoulders at such time that the moisture content will bind the rock surfacing. Rip potholes prior to grading, then compact in accordance with Exhibit D.

(2) Prevent contamination of road surface materials with soil and vegetative material.

(3) Prevent road surface materials from being bladed off the road.

(4) Temporarily cease road use to prevent and/or protect the road during adverse weather conditions. Examples of adverse weather conditions are freezing and thawing cycles, high soil moisture caused by rainfall events, and accumulation of snow that requires removal to continue hauling activities.

(5) Dust Abatement:

I. PURCHASER shall apply dust abatement material on the haul route when PURCHASER's activities cause excessive dust, or when instructed by STATE. Water is the dust abatement material to be applied, unless otherwise approved in writing by STATE. Water sources used by timber sale operations shall be reconstructed or maintained as necessary.

(e) Additional Road Maintenance and Construction Specifications

(1) There was pink flagging preidentified before sale prep activities in Units 2 and 4 that are not part of the proposed plan for existing temp road improvement, and are to be ignored. Refer Exhibit D for temp road improvement activities.

“Adverse maintenance” is defined as repair work of damage resulting from PURCHASER’s failure to comply with “normal road maintenance,” as determined by STATE. STATE may require PURCHASER to perform “adverse maintenance.” STATE will specify rock type needed for repairs. The required rock shall be from STATE approved, private rock sources, at PURCHASER’s expense. “Adverse maintenance” is determined by STATE, and shall not be subject to Section 1550, “Adjustment of Contract.”

“Extraordinary maintenance” is defined as major repair work and/or damage caused by acts of God or causes beyond the control of PURCHASER, as defined in Section 1550, "Adjustment of Contract." STATE may require PURCHASER to perform extraordinary maintenance in addition to normal road maintenance. STATE shall describe the amount and specifications of work to be done in writing, and make adjustments in the Contract in accordance with Section 1550, "Adjustment of Contract."

Haul routes must be inspected weekly, or more frequently if warranted by weather conditions as determined by STATE. Inspections will focus on road surface condition, drainage maintenance, and sources of sediment delivery to streams.

On road segments that have the potential to deliver sediment to any stream channel implement erosion control measures to prevent offsite movement of soil.

TIMBER SALE AREA

Section 2210. Designated Timber. The timber is located on the Timber Sale Area designated on Exhibit A.

In accordance with Section 1020, "Sale of Timber," the following is Designated Timber, except as excluded by Sections 2220 through 2250, and may be removed by PURCHASER in accordance with the terms and conditions of this Contract:

- All timber cut in accordance with the specifications in Section 2310, "Felling," and Section 2320, "Thinning Specifications," within the Timber Sale Area.

Boundary markings are as follows:

The Timber Sale Area is posted with white “Timber Sale Boundary” signs and fluorescent orange flagging. Shared unit boundaries are marked with yellow flagging.

Roadside danger tree treatment is only allowed within 2 Site Potential Tree Heights (SPTH) uphill of the road prism and 1 SPTH downhill of the road prism. Commercial harvest of roadside hazard trees is prohibited in the no-harvest stream buffers, and commercial harvest of Douglas-fir trees greater than 20” DBH is prohibited within 1 SPTH of streams. Trees deemed hazardous within the above conditions can be cut but must be left where felled.

Section 2220. Reserved Timber. Reserved Timber is that timber, including trees, Snags, and logs, on the Timber Sale Area which is not sold to PURCHASER. Reserved Timber shall not be damaged, cut, or removed by PURCHASER, unless otherwise approved in writing by STATE. Failure to leave the required Reserved Timber shall be handled as described in Section 2260, “Reserved Timber - Damages.”

Section 2230. Reserved Timber - Down Material. All existing down wood would be retained within Riparian Reserves to maintain aquatic objectives. Any tree felled into any Riparian Reserve no-harvest buffer is to be left in place and not removed. Existing large down woody material in harvest site will be maintained for habitat diversity. Retain existing full tree lengths as much as possible.

All existing coarse woody debris will be retained and protected from disturbance unless removal is required during logging operations to meet safety requirements.

Section 2240. Reserved Timber - Trees and Snags.

(a) Trees other than Douglas-fir and Western Hemlock (exclusive only to Unit 3), and except those within rights-of-way, skid roads, cable corridors, waste areas, and Landings.

(b) Trees required to meet the Residual Tree requirements in Section 2320, "Thinning Specifications."

(c) Protect residual stand and reserve trees to the best extent possible from treatment damage.

(d) Bearing (witness) trees.

(e) All Snags unless determined to be a fire or safety hazard. Felled Snags and Hazard trees shall not be yarded or removed. All existing downed wood will be retained regardless of decay class.

(f) Trees marked with white Reserved Tree signs

(g) Any Tree 20 inches DBH or greater except for the purpose of creating openings such as, but not limited to: gaps and DTRs, or for eliminating a hazard, or for yarding corridors. If cut, the tree must be left on site.

(h) Any trees within No-Harvest Buffers of Stream Class 1, 2, 3, or 4.

(i) Special Habitat areas are identified on Exhibit A. PURCHASHER shall not yard or build roads through these areas.

If a hazard tree within the riparian reserves needs to be felled, it will be felled toward the stream and left. If a felled commercial tree lands in the riparian reserve, the tree will be cut at the riparian reserve buffer and that section lying within the riparian reserve will be left.

Section 2250. Reserved Timber - Boundary Trees and Markings.

(a) Trees posted with white Timber Sale Boundary signs and fluorescent orange, or yellow flagging, are reserved from cutting.

Section 2260. Reserved Timber - Damages.

PURCHASER shall be exclusively responsible for any damage to, or removal of, Reserved Timber. If damage to Reserved Timber occurs and is determined unavoidable by STATE, no charge will be made for damage.

If PURCHASER's activities result in avoidable damage to Reserved Timber as determined by STATE, PURCHASER shall pay for such damage at the following rates:

(a) The Purchase Price shall be paid when:

(1) "Minor damage" to Reserved Timber occurs during the course of normal logging. Minor damage is defined as bark removed down to the cambium layer of a tree, such removal affecting at least 24 square inches, but less than damage defined as "major damage."

(2) Trees must be cut in order to facilitate Operations, or for safety around Landings, as approved in writing by STATE.

(b) Double the Purchase Price or $50, whichever is greater, shall be paid when:

(1) "Major damage" to Reserved Timber is caused by Operations of PURCHASER. Major damage is defined as follows:

(a) Bark removed down to the cambium layer over an area of the bole which has one dimension greater than the diameter of the tree, or any visible bark removal on the tree roots.

(b) Residual Basal Area on any acre is less than the minimum specifications in Section 2320, "Thinning Specifications."

(2) More than 50 percent of live crown is removed.

(3) Tree is knocked down, or leaning more than 10 degrees from vertical.

(c) Triple the Purchase Price or $100, whichever is greater, shall be paid when:

(1) Reserved Timber is intentionally cut or removed.

(2) Reserved Timber is intentionally damaged.

(3) Repeated major damage occurs to Reserved Timber.

(4) Any intentional "notching" or undercutting of Reserved Timber with an axe or saw occurs.

STATE may direct damaged timber to be left. In that case, payment for damage shall be reduced by the Purchase Price of such timber.

Payment for damage to or removal of Reserved Timber shall not release PURCHASER from liability for other damage to property of STATE.

If more than 5 reserved trees on any acre suffer "minor damage," or if any Reserved Timber suffers "major damage" as defined above, STATE reserves the right to Suspend felling and/or Yarding until corrective measures have been agreed upon by STATE and PURCHASER.

HARVESTING OPERATIONS

Section 2310. Felling. PURCHASER shall comply with the following requirements for felling, unless otherwise approved in writing by STATE:

(a) Prior to the beginning of felling Operations, PURCHASER shall mark the locations on the ground of all skid roads, subject to STATE approval. Felling shall be "to lead" to those marked trails and those trail locations adhered to.

(b) Prior to felling in the Timber Sale Area, PURCHASER shall arrange to have all the fallers who will work in the Timber Sale Area meet with STATE to review the requirements specified in Section 2310, "Felling," Section 2320, "Thinning Specifications," and Sections 2220 through 2250, "Reserved Timber." PURCHASER shall give STATE 48 hours' advance notice before starting a new faller on the Timber Sale Area to allow STATE the opportunity to brief the faller on these sections.

(c) Prior to the beginning of felling Operations, PURCHASER shall mark the locations on the ground of all cable corridors, subject to STATE approval. Felling shall be "to lead" to those marked cable corridors and those cable corridors adhered to.

(d) Trees other than Douglas-fir and Western Hemlock (exclusive only to Unit 3) shall not be felled without prior approval from STATE, except in rights-of-way, skid roads, cable corridors, and Landings.

(e) Trees designated as included timber will be felled away from, or parallel to, the no-harvest buffer. Trees, or portions of trees, that are inadvertently felled into the no-harvest buffer may be bucked at the boundary and yarded. Trees felled within the no-harvest buffer to create yarding corridors, non-system roads, or to meet restoration objectives will be directionally felled towards the stream channel where feasible and left on site

STATE may require certain trees or Snags, described by the preceding specifications, to be left standing if they are needed for wildlife habitat, or if the Snags do not constitute a fire or safety hazard. STATE shall designate such trees or Snags at the time of timber felling.

Trees shall not be felled across Timber Sale Area boundaries, unless authorized in writing by STATE. Any trees that fall across Timber Sale Area boundaries shall be left and not yarded or removed.

PURCHASER shall employ the following timber cutting practices on the Timber Sale Area(s), unless otherwise approved by STATE:

(1) Logs shall be no longer than 40 feet plus trim.

(2) Trees shall be felled to the longest lay, using the necessary means (wedging, jacking, etc.), favoring a quartering uphill lead.

(3) Trees shall not be felled across draws, over ridges, or across previously felled trees.

(4) Windfalls shall be bucked off as close as practicable to the roots to ensure maximum recovery of merchantable volume. Those which cannot be bucked safely shall be left with a merchantable log attached and either bucked on the Landing or moved by rigging into a safe position for bucking.

(5) Maximum stump height shall be 12 inches, unless otherwise approved by STATE. Heights shall be measured on the uphill side.

Section 2320. Thinning Specifications. PURCHASER shall comply with the following requirements for selecting Residual trees on the Timber Sale Area, except for those specifications listed in Section 2310, "Felling":

(1) While applying the prescription, leave all hardwoods and conifers that are not Douglas-fir and Western Hemlock (exclusive only to Unit 3), in unit for diversity. All other conifer and hardwoods not identified as cut trees are to be ignored; they are not counted in the spacing. Boundary trees with white boundary tags and orange or yellow flagging shall be excluded in the DXD spacing when the boundary tree has a larger stump diameter than other trees within the DXD spacing. The tree with the largest stump diameter, within the Timber Sale Boundary, will be the first tree to implement the DXD prescription. Boundary trees shall not be cut. Stump diameter is measured at 4" above the ground on the uphill side of the tree. DXD spacing between trees is measured at 4 inches above the ground from the closest point between trees.

(2) There is approximately 5.5 acres of Dominant-Tree Release (DTR) area, with each DTR being ¼ acre in size. All conifers and hardwoods within 66 ft. slope distance of a double-banded DTR tree marked with orange paint will be cut. DTR trees are not to be cut.

(3) Residual leave trees shall not be painted or marked with any type of tree paint. Only trees designated to be harvested shall be painted unless otherwise approved by STATE.

Marking / DXD Guide

Unit	DxD	DESCRIPTION OF INCLUDED TIMBER
1 & 2	16'	Cut only live Douglas-fir, if they are within the specified spacing of a live Douglas-fir with a larger stump diameter. All other species are non- included timber and are not to be included in the DxD Spacing.
3	17'	Cut only live Douglas-fir and Western Hemlock, if they are within the specified spacing of a live Douglas-fir or Western Hemlock with a larger stump diameter. All other species are non-included timber and are not to be included in the DxD Spacing.
4	17'	Cut only live Douglas-fir, if they are within the specified spacing of a live Douglas-fir with a larger stump diameter. All other species are non- included timber and are not to be included in the DxD Spacing.
DTR Areas	66' Slope Radius	Cut all conifer and hardwood species within a 66 ft radius around marked DTR tree. DTR trees are marked in double-banded orange paint and are not to be cut. Total of 22: **Unit 1 -** Contains 3 **Unit 2 -** Contains 8 **Unit 3 -** Contains 3 **Unit 4 -** Contains 8 See location of DTRs on Exhibit A.

Section 2325. Felling Inspection. STATE may inspect the felling Operations to determine compliance with the thinning specifications established by sample plots. Inspection by visual reconnaissance may supplement plot data. Plot records may include: (1) residual Basal Area per acre; (2) Residual Tree DBH; (3) general comments on selection of Residual Trees and work quality; and (4) Residual Trees per acre damaged by PURCHASER. The plot data and visual reconnaissance may be used for determining the need for corrective measures, as outlined in Section 2320, "Thinning Specifications," and Sections 2220 through 2250, "Reserved Timber."

Section 2345. Substitution of Trees. PURCHASER shall leave acceptable substitute trees as approved by STATE for any conifer Reserved Timber which must be cut to facilitate logging (i.e., cable corridors, Landings, or skid trails) or

to resolve safety problems pursuant to Section 1610, "Permits; Licenses; Safety" (i.e., danger trees, Guyline trees, hang-ups).

An acceptable substitute tree is defined as any sound, live-topped conifer tree that is the nearest tree to a Reserved tree that must be cut.

PURCHASER shall leave acceptable substitute Snags as approved by STATE for any reserved Snag which must be cut to facilitate logging (i.e., cable corridors, Landings) or to resolve safety problems pursuant to Section 1610, "Permits; Licenses; Safety" (i.e., danger trees, hang-ups).

STATE reserves the right to require PURCHASER to:

(1) Leave substitute trees of a different species; and

(2) Leave substitute trees for reserved Snags that must be cut.

Substitution of trees without approval of STATE is prohibited. Any Reserved Timber cut without approval by STATE shall be paid for in accordance with Sections 2220 through 2250, "Reserved Timber."

Section 2350. Cable Yarding Specifications. Yarding systems shall be designed to minimize soil disturbance and damage to Reserved Timber. PURCHASER shall use cable Yarding, except as approved by STATE in the Operations Plan. PURCHASER shall comply with the following when Yarding the Timber Sale Area except as approved by STATE in the Operations Plan:

(1) Logs shall have at least one end suspended when yarding in the Timber Sale Area.

(2) All trees shall be yarded with the nonmerchantable top attached to the top merchantable log. If tops break out of trees during felling or Yarding Operation, the broken tops shall be yarded to Landings.

(3) Trees cut to facilitate yarding corridors outside of the Timber Sale Boundary shall be felled outside of the Timber Sale Boundary and left on site.

(4) Yarding corridors shall be as narrow as practical, no more than 12 feet wide. Corridors shall be no closer than 150 feet at the tail end of the corridor when radial corridors are used, and 150 feet center to center when parallel corridors are used.

(5) Soil gouging shall be limited to a depth of one foot.

(6) If Tailhold or Guyline trees outside of the Timber Sale Area are necessary to facilitate Yarding Operations, PURCHASER shall acquire written approval from STATE prior to their use. Upon approval, PURCHASER shall clearly mark each tree and take precautions to prevent damage to said trees including, but not limited to:

   (a) Using trees near the timber sale boundary that can be felled and yarded without causing damage to Reserved Timber.

   (b) Using tree plates, tires, or other suitable materials between cable straps and the tree to prevent scarring the tree.

   (c) Limiting notching of the tree - to prevent strap slippage - to less than 25 percent of the circumference of the tree, unless the tree has been approved to be cut and removed.

   If the above precautions are followed, payment for such tree shall not be required, except for trees removed per Item (1) above, which shall be paid for at single the Purchase Price, as specified in Sections 2220 through 2250, "Reserved Timber."

If the above precautions are not followed and activities result in damaging 50 percent or more of the circumference of such trees, damage shall be considered avoidable. Payment shall be at the rate of triple the Purchase Price, as specified in Sections 2220 through 2250, "Reserved Timber."

(7) Control logs being yarded to minimize damage to Reserved Timber.

(8) String cables in a manner that makes minimum contact with Reserved Timber.

(9) Full suspension is required when yarding (including lateral yarding) over Class 2 and 3 stream channels. Full suspension over Class 4 streams will occur whenever feasible, however bump logs within the channel will be utilized if full suspension cannot be achieved.

(10) Skyline corridors over any stream should be limited to no more than five corridors per 1,000 lineal feet of stream. Individual corridor widths must not exceed 12 ft. Corridors will be spaced at least 100ft apart along the stream.

In addition, if Operations of PURCHASER threaten or cause excessive damage to the soil or Reserved Timber, STATE may require PURCHASER to comply with one or more of the following:

(a) Use a skyline yarding system.

(b) Reduce the length of logs.

(c) Reduce the number of logs in each Yarding turn.

Section 2355. Ground-Based Operations. Timber Sale Areas, or portions thereof, where ground Yarding has been approved in the Operations Plan are subject to the following restrictions, unless otherwise approved in writing by STATE:

(1) PURCHASER shall limit skid roads and trails, and all other locations where soil is compacted or displaced, to less than 10 percent of the ground yarded area.

(2) Preexisting skid trails and non-system roads shall be used whenever possible, and soil disturbance or construction of new skid roads and trails shall be limited to that necessary to log the area. The number of passes per trail should be minimized. Locate skid trails to avoid concentrating runoff and provide breaks in grade. Where practical, given availability of quality slash and appropriateness for equipment being used, ground- based yarding equipment should travel on a slash mat greater than 8 inches.

(3) Ground-based equipment is prohibited to operate on slopes greater than 30% percent. Unless otherwise approved by STATE, ground-based equipment may be granted for short distances (<250 feet) on less than 45%.

(4) The upper limit for pre-bunching is on 45% slope. All pre-bunching trails will be pre-located and pre-approved. Undesirable soil damage from skidding shall be avoided through layout and use of alternate logging systems.

(5) Skid trails shall be avoided being designated to cross streams, but when stream crossings are necessary, the following will apply:

(a) Skid trails across Class I streams are prohibited
(b) Skid trail corridors through no-harvest buffers are limited to less than 15 feet in width, and no more than one crossing per 1000 feet of stream.
(c) Bank protection in the crossing with the use of logs felled from the corridor is required, or other bank protection technique.
(d) All trees felled in no-harvest buffers must be left on site.
(e) Skid trails are to be perpendicular to the stream channel and take the shortest corridor through the no-harvest buffer.

(6) No ground-disturbing activities related to timber harvest can occur within 33 feet of perennially wet areas including springs, seeps, ponds, and low gradient streams.

(7) Removal of stream crossings is required before the wet season. This includes removal of the culvert, logs, or temporary bridge and hydrologically stabilizing the skid trails for wet conditions as needed (ie. constructing water bars, placing slash over exposed soils, and installing erosion control devices to prevent sediment delivery to stream channels).

(8) The following activities would be suspended during wet conditions: use of all ground-based equipment for yarding, processing, fuels treatment, or other project activities. Wet conditions are defined as the observation of trenching, rutting, or pooling water, and the above activities should be suspended before precipitation or runoff results in off-site movement of sediment into drainage courses

(9) Snow/frozen soil shall only be operated on in the following conditions, with approval from STATE: 0 inches of frozen soil and at least 18 inches of packed snow, 4 inches of frozen soil and at least 9 inches of packed snow, or at least 6 inches of frozen soil. Over snow operations would be suspended or re-routed if thawing, soil exposure or uneven snowpack occurs during operations. During snow melt periods, drainage courses would be maintained for proper routing of runoff. Activities would cease until requirements are met.

(10) Units that have been entered by ground-based equipment from a road, or units where skyline corridors intersect with a road, the purchaser shall close the access point by effectively blocking access to motorized vehicles. Subsoil as needed and seed with certified seed. Place limbs, woody debris, and local boulders in a natural configuration to prevent new dispersed site creation. If boulders are available and used, boulders shall be buried up to 1/3 of the way in the ground.

(11) Operations shall be designed to minimize soil disturbance and damage to Reserved Timber.

If the above conditions are not met by PURCHASER, STATE at its option, may require PURCHASER to suspend Yarding activities until corrective measures have been agreed upon by STATE and PURCHASER.

Time lost while STATE exercises any of the above options shall not constitute grounds for Contract extension.

Ground-based operations shall not be allowed from October 15 through May 15, unless otherwise approved in writing by STATE.

Section 2360. Non-Project Roads and Landings. Improvement or construction of roads or Landings not required in Section 2610, "Project Work," but approved in the Operations Plan, shall be subject to the following requirements, unless otherwise approved in writing by STATE:

(1) All non-project roads and landings shall be marked and agreed to by STATE, as small as operationally feasible, and crowned for drainage.

(2) Prohibit construction of new landings, or the use of existing vegetative recovered landings (does not apply to landings in existing roads) if they are:

a) within 200 feet of a class 2 stream, if the potentially affected stream reach is within 0.5 miles of EFH
b) within 100 feet of any stream channel

Section 2365. Progressive Operations. PURCHASER shall complete the following requirements on each Timber Sale Area prior to moving to a setting, unless otherwise approved in writing by STATE:

(1) Remove all logs as described under Section 2045, "Log Removal."

(2) Decommission landings and primary skid trails required by Section 2360.

(3) Complete Roadside Grapple Piling, as required by Section 2560.

(4) Pile all Slash within reach of the Landings by a log loader or excavator on the edge of the Landing as required by Section 2560. Material suitable for firewood shall be separated into individual piles accessible for firewood cutting. Other Slash shall be piled to facilitate pile burning as directed by STATE.

In addition, PURCHASER shall complete the following requirements within the following time frames, unless otherwise approved in writing by STATE:

(1) Remove all trash from the Timber Sale Area within 14 calendar days after completion of log hauling activities.

(2) Complete road maintenance requirements of Section 2120, "Access," Section 2130, "Road Maintenance," and 'Post Haul' road maintenance requirements outlined in Exhibit D within 14 calendar days after completion of log hauling activities.

(3) Remove all equipment and materials from the Timber Sale Area, as required by Section 1430, "Removal of Equipment and Materials," within 30 calendar days after completion of log hauling activities.

PROTECTION DURING OPERATIONS

Section 2415. Protection of Watershed. PURCHASER shall take all necessary precautions to prevent damage to stream banks, any stream course, lake, reservoir, or forested wetland within or adjacent to the Timber Sale Area.

In addition, PURCHASER shall perform all measures necessary to protect the stream banks, streambed, and vegetation within the Stream Buffer(s) shown on Exhibit A. The Stream Buffer(s) are:

Streams regarding The Timber Sale Area have the following No-Harvest Buffer widths:

(i) Class 1, 120 feet.
(ii) Class 2, 100 feet within 1000 feet of a Class 1 stream, and 75 feet outside of 1000 feet from a Class 1 stream.
(iii) Class 3, 60 feet.
(iv) Class 4, 30 feet.

Necessary measures include, but are not limited to, the following, unless otherwise approved in writing by STATE:

(1) Fell adjacent trees and Snags away from or parallel to the buffer to prevent them from entering the buffer.

(2) Ground-based yarding equipment is prohibited within no-harvest buffers of all streams

(3) Stream crossing activities will be restricted to dry season (generally July 15 through October 15), when there is no flow or greatly reduced flow.

(4) Do not fell trees within the no-harvest buffers except in cable corridors. Felled trees shall not be removed.

(5) Cable Yarding over or within the buffer shall be done in accordance with the requirements of Section 2350, "Cable Yarding Specifications."

(6) Trees may be felled according to the specifications in Section 2320, "Thinning Specifications". No Douglas-fir trees with a DBH greater than 20 inches may be cut within 172 feet of the riparian reserve area. Damage to other vegetation shall be kept to a minimum.

(7) Trees that fall or slide into any stream type no-harvest buffers shall not be removed without prior approval from STATE.

(8) All areas of exposed soil related to Timber Sale Area that have the potential to be hydrologically connected to any streams (such as landings, system and non-system roads, cleared ditch lines, decommissioned roads, etc.) will be seeded or mulched with weed free seed or weed free mulch, or other erosion control measure to prevent offsite movement of soil, and to facilitate vegetative recovery. Cleared ditch lines will be fitted with sediment traps (such as wattles or straw mulch) to prevent sediment from entering streams from the cleared ditch lines.

(9) Skid trails should not be designated through wetlands or other high soil moisture areas.

(10) Skid trails should not be designated to cross stream, but when stream crossings are necessary the following apply:

(a) Limit skid trail corridors through no harvest buffers to less than 15 feet in width and no more than one crossing per 1,000 feet of linear stream length.

(b) Stream bank protection is required when crossing stream. The use of logs felled from the corridor, or other bank protection is required. All trees felled into no-harvest buffers must be left on site.

(c) Stream crossings shall be removed before the wet season (generally October 15 through May 15).

(d) Skid trails are to be perpendicular to the stream channel and take the shortest corridor through the no-harvest buffer.

(e) Stream crossing activities (skidding) will be restricted to dry season when there is no flow or greatly reduced flow.

(11) If meadows or moist rock gardens are found during operation PURCHASHER shall cease operations, notify STATE. Protection of meadows and moist rock gardens will be applied with a 100-foot no-harvest buffer.

In addition to other protective measures required, PURCHASER shall discontinue all or part of its Operations under this Contract upon notice from STATE that Operations will cause excessive damage to the watershed.

Fuel and other petroleum products must be stored and refueling must occur at least 150 feet from any stream or other waterbody.

In sub watersheds with listed fish habitat, adequate cross drainage shall be installed near streams so that there is less than 200 feet of ditch line draining directly to any stream.

Timber transport will be stopped by STATE when road sediment can be observed moving into ditches, perennial, or intermittent streams.

Section 2416. Protection from Invasive Plants and Noxious Weeds. PURCHASER shall ensure all ground-based yarding, earth disturbing, road constructing, and road maintenance equipment moved onto National Forest or between National Forest sites is free of soil, seeds, vegetative matter, or other debris that could contain, or hold, seeds. PURCHASER shall employ cleaning methods necessary to ensure compliance with the terms of this section. PURCHASER shall notify STATE's Authorized Representative at least 24 hours prior to moving each piece of equipment onto National Forest or between National Forest sites unless otherwise agreed in writing. Notification shall include identification of the equipment's most recent operation.

(a) Upon request by STATE, arrangements shall be made for STATE inspection of each piece of equipment prior to entry upon site.

(b) Equipment shall be inspected by STATE at a site approved by STATE, to verify that the equipment has been reasonably cleaned prior to operation on Timber Sale Area.

(c) Equipment should work in non-infested areas and then move to infested areas (USFS would provide map). If the purchaser elects to move from an infested area to a non-infested area, equipment shall be washed prior to leaving the infested area.

(d) Close off any temporary spur roads, if used, as soon as possible after logging and related activities are completed. Seed and plant these roads and any bare soil areas of ground disturbance with native grass and forb species.

(e) Clean fill (soil or rock free of slash and debris) would be used for construction of temporary roads. Sources of rock and fill material need to be free of invasive plants. Rock quarries that may be used would be surveyed for invasive plants prior to use. If invasive plants are found, they would be treated as necessary prior to use.

(f) Gravel and rock shall come from a weed-free rock source and will be approved by STATE.

(g) Bare soils shall be covered by slash or other vegetative material or seeded and mulched. An effective ground cover of at least 75% would be achieved one year following all surface-distributing activities. For restoration, revegetation, or erosion control on disturbed ground, use only materials approved by STATE.

This section does not apply to log trucks, service trucks, water trucks, pickup trucks, cars, and other passenger vehicles, used in the daily transport of personnel.

Section 2425. Recreation, Trails, Signage, and Structure Protection. PURCHASER shall not remove, alter, damage, or destroy any recreation signs, posters, markings, kiosks, or structures in or near the Timber Sale Area(s). PURCHASER shall comply with the following requirements for all trails shown on Exhibit A, unless otherwise approved by STATE. STATE may require PURCHASER to re-establish recreational trails to pre-sale conditions, as directed by STATE.

If harvest operations occur on mixed-use roads, OHV use will be prohibited during operations. In areas where dispersed recreational day use areas and campsites are present (defined as a clearing with a fire ring either of metal construction or rock), if any activity that results in the disturbance, destruction, or alteration of these sites were to occur; the sites shall be returned to the pre-project and fully functional conditions.

Section 2430. Protection of Markings and Monuments. PURCHASER shall not remove, alter, damage, or destroy any signs, posters, markings, land survey markers and corners, witness trees, seed trees, or corner reference tags pertaining to the timber sale or land survey. Should such damage or disturbance occur, PURCHASER shall report it to STATE within 24 hours of the incident, and shall prevent any further damage or disturbance from occurring. PURCHASER shall, in a manner or method as directed by STATE, re-establish legal subdivision markers or monuments damaged by PURCHASER's activities. STATE may re-establish such markers or monuments and bill PURCHASER for the expense incurred.

In the event it is necessary to disturb any legal land survey corner in order to conduct any activity under this Contract, PURCHASER shall notify STATE. PURCHASER shall not disturb any corner until STATE has referenced or otherwise preserved the corner.

Section 2435. Protection of Cultural Resources. PURCHASER shall not remove any historic artifact, including old logging equipment or camp refuse, or other Cultural Resources from the Timber Sale Area. If any such items are discovered, PURCHASER shall notify the STATE, and immediately suspend operations in the vicinity of cultural resource.

Section 2440. Warning Signs. PURCHASER shall post and maintain signs adequately warning forest users of active felling, yarding, and hauling operations. PURCHASER shall post signs at locations designated by STATE and at other locations determined by PURCHASER.

Section 2455. Seasonal Restrictions. PURCHASER shall adhere to the following restrictions, unless otherwise approved in writing by STATE:

(a) Road Maintenance and Log hauling shall not be allowed from October 15 through May 15, unless otherwise approved in writing by STATE (Section 2130).

(b) Felling Operations shall not be allowed from October 15 through May 15, unless otherwise approved in writing by STATE (Section 2310).

(c) Ground-based Operations and Cable Operations shall not be allowed from October 15 through May 15, unless otherwise approved in writing by STATE (Sections 2355 & 2350).

(d) Operations on non-project roads and Landings shall not be allowed from October 15 through May 15, unless otherwise approved in writing by STATE (Section 2360).

(e) Wet-weather hauling shall not be allowed from October 15 through May 15, unless otherwise approved in writing by STATE.

(f) Any project activity that occurs within a perennial stream channel, such as culvert replacement, shall comply with the Oregon Department of Fish and Wildlife seasonal restriction for in-stream work activities [June 1 – August 31 window] (Section 2360)

(g) If gray wolf monitoring by the Oregon Department of Fish and Wildlife, tribes, the Detroit Ranger District and other federal agencies suggests a likelihood of den and/rendezvous sites within one mile of the project area, the Forest Service will seek technical assistance from the U.S. Fish and Wildlife Service on the need for seasonal restrictions to protect activities consistent with current forest-wide ESA consultation for gray wolves

(USFWS Reference No. 01EOFW00-2020-F-170). If needed, activities that could affect wolf breeding, due to habitat modification or disruption, may be restricted up to one mile of known or potential (as jointly determined through the technical assistance discussion) den and rendezvous sites from April 1 through July 15.

Section 2460. Repair of Injury or Damage. Prior to the completion and as a condition of final acceptance by STATE of PURCHASER's Operations, PURCHASER shall repair or correct any injury or damage to the Areas of Operations or any part of the Timber Sale Area arising from PURCHASER's Operations, unless adjustment is made pursuant to Section 1550, "Adjustment of Contract."

PROTECTION FROM FIRE

Section 2510. Precautions Against Fire. PURCHASER acknowledges that their Operations under this Contract may cause extraordinary fire risk in the Areas of Operations. PURCHASER covenants and agrees that it will use the highest degree of care to prevent forest fires from starting on or from spreading to or from the Areas of Operations. PURCHASER shall require its employees and Contractors and the employees of such Contractors to employ a similar degree of care. STATE may, at any time during the term of the Contract, require PURCHASER to prepare and submit to STATE for approval a Fire Plan for the Areas of Operations. The plan shall set forth the resources and required actions to be taken by PURCHASER and Contractors of PURCHASER for the prevention and suppression of fire in the Areas of Operations. The plan must meet with the approval of STATE and STATE reserves the right to require revisions to the plan as STATE, in its sole discretion, may determine to be necessary.

Section 2520. Efforts on Fire. If a fire occurs in any part of the Areas of Operations, notwithstanding the origin, PURCHASER shall require its employees and Contractors and the employees of such Contractors to immediately proceed to extinguish the fire. PURCHASER acknowledges and agrees that the provisions of this section may impose obligations on PURCHASER that are separate from or in addition to any duty or responsibility required by law. However, in no event shall the requirements of this section be construed as relieving PURCHASER of the duty and responsibility under Oregon law to fight, control, and suppress fire on forestland.

Section 2530. Indemnification. In addition to the general indemnification contained in Section 1355, "General Indemnification," PURCHASER shall indemnify, defend and hold STATE and the U.S. Forest Service harmless from any and all loss, costs, damage, and expense that STATE or the U.S. Forest Service may incur as a result of any fire caused by the Operations of PURCHASER, employees and Contractors of PURCHASER, and employees of such Contractors.

Section 2540. Fire Equipment. During Fire Season, PURCHASER shall provide an engine with at least a 300-gallon capacity, enough feet of hose to reach from the water supply to any location in the operation affected by power driven machinery or 500 feet, whichever is greater, one gated wye valve, and two adjustable nozzles in constant readiness in the Timber Sale Area. The engine must be self-filling and be able to travel fully loaded, under its own power, on all truck roads providing access to or within the Timber Sale Area. Such equipment shall be credited toward the requirements of OAR 629-043-0020 for water supply, hose and nozzle, subject to STATE approval. PURCHASER shall comply with all other Fire Season requirements as established by the ODF District and with the current IFPL requirements as established by the USFS in which the Timber Sale Area is located.

Section 2560. Slash Disposal.

(a) Landing Pile locations:
Slash piles shall be located to minimize damage of standing green trees and snags during burning. Unless otherwise agreed, they would be constructed at least 12 feet from standing green trees and snags. Piles shall not be built on tree stumps or heat sinks when burning. Piles shall not be in the bottom of draws, streams, or ditches and shall not obstruct roadways. Piles shall be spaced 30 feet apart, however where this cannot be attained, keep piles spaced not less than the average pile height. All piles shall be constructed within the subdivision.

(b) Construction and size of landing piles:
The Purchaser shall pile substantially all created slash at least 1 inch in diameter on the small end and at least 3 feet in length and shall be piled as compact as possible and free of soil and rocks. Excessive bark that has fallen off logs generated from logging activities on the landing shall be dispersed on the landing, not piled. Piles will be constructed with a “lift and pile” mechanism rather than a “push and pile” mechanism. Piles will be constructed 2/3 – 3/4 of the way then plastic will cover the pile and the remaining 1/3 – 1/4 of the pile will be placed on top of the plastic. Grapple or hand piles would be no less than 6 feet high by 6 feet in diameter and would be no greater than 12 feet high by 20 feet in diameter. Landing piles may be larger. The area around each pile shall be cleared of all created slash and bark a minimum of 6 feet. All pieces extruding from piles shall be bucked off to facilitate covering after construction.

(c) Piling Restrictions:
Material piling may occur by hand or with a grapple machine. Piling of fuels intended for burning is prohibited closer than 15 feet from the no-harvest buffer. Grapple piling should not occur during rainfall conditions to prevent off-site movement of sediment, pooling, trenching, or rutting. Grapple piling activities should occur in ground-based units on slopes less than 35% and road prisms.

(d) Covering of all landing piles:
All piles shall be covered with polyethylene plastic film .006 inches thick and cover over 50% of the pile. Plastic shall be anchored to the piles on at least 4 corners. The last 1/3 – 1/4 of burnable material shall be placed on top of the pile to keep the plastic from blowing off.

(e) Piling Methods:
Material piling may occur by hand or with a grapple machine. Grapple piling should not occur during wet conditions to prevent off-site movement of sediment, pooling, trenching, or rutting. Grapple piling activities should occur in ground-based units on slopes less than 35% and road prisms.

(f) Slash:
Treatment-created fuels or natural fuel accumulations will be reduced through various methods such as yard tops attached, hand and machine piling, underburning or pile burning to lessen the fire hazard.

(g) Yard Tops Attached (YTA):
Tops attached to the last log will be yarded to the landing

(h) Pile Covering:
The purchaser will be covering landing piles and the Forest Service is responsible to burn all landing piles.

PROJECTS

Section 2610. Project Work. PURCHASER shall complete the following Projects the "Project Work" in accordance with the specifications provided in Exhibits and written instructions from STATE. Project locations are shown on Exhibit A unless otherwise described. PURCHASER shall furnish all material unless otherwise specified.

Project Period. Work on Project Nos. 1, 2, and 3 shall not be allowed from October 15 through May 15, unless otherwise approved in writing by STATE.

Project No. 1 Road Improvement. Road improvement activities will be applied between segments A to B, B to C, and C to D as shown on Exhibit A and as directed by STATE.

Project No. 2 Road Brushing. Brushing activities will be applied between segments A to B, B to C, and C to D as shown on Exhibit A and as directed by STATE.

Project No. 3 Improvement and Vacate/decommission of temporary roads and landings. Improvement and decommission activities will be applied between segments B1 to B2, B3 to B4, and C1 to C2. All landings within the timber sale area shall be decommissioned or as directed by STATE.

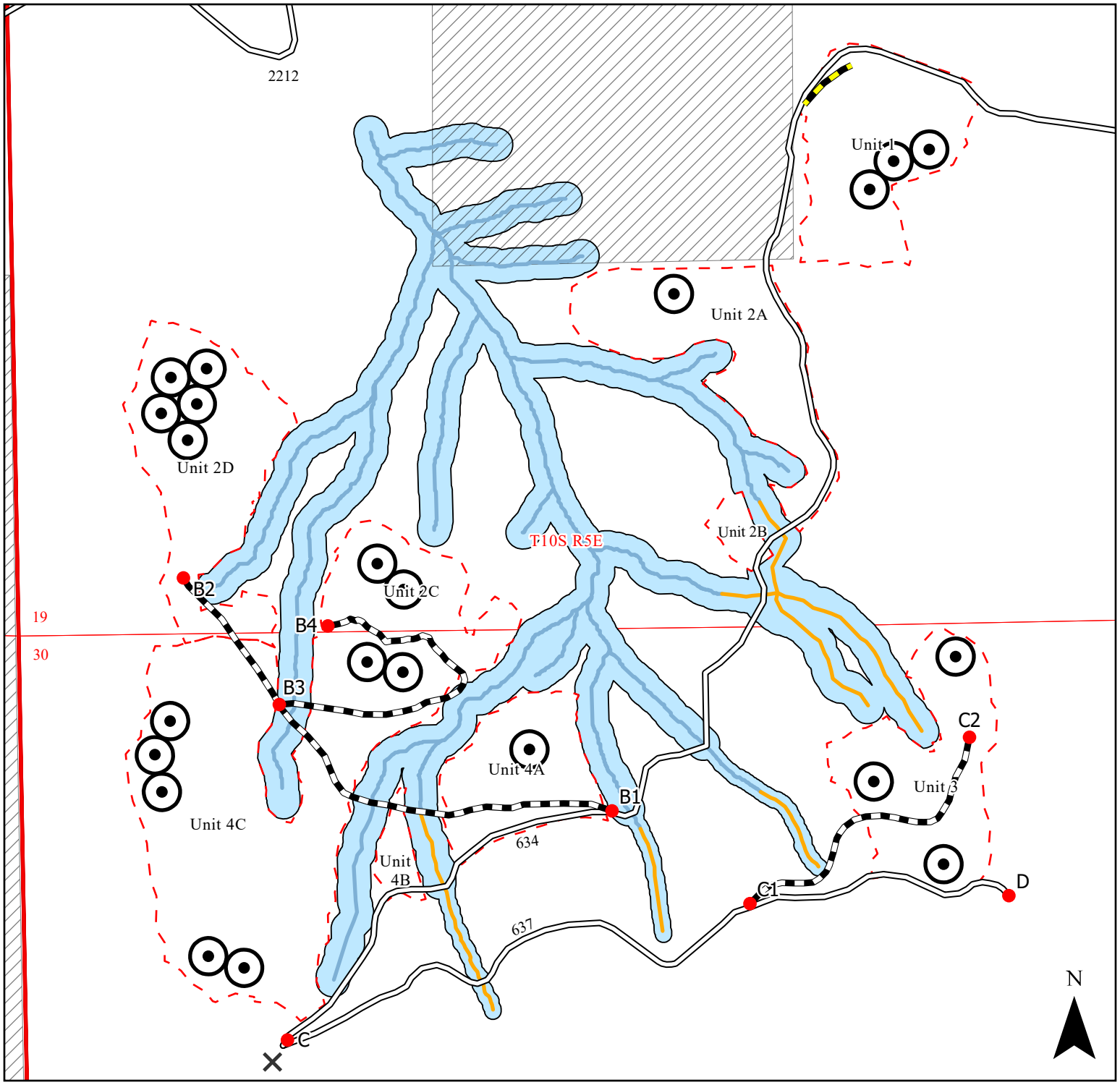
Rock Source. The rock for all Projects shall be purchased from a STATE approved commercial weed-free rock source, or from other locations acceptable to STATE.

USFS has approved the McCoy Pit, located at 44.69252, -122.03358, as a rock source. A rock permit must be obtained and approved by the USFS.

Road improvement shall be completed by October 15, 2026, unless other approved in writing by STATE.

Section 2630. Credit for Project Work. In order to compensate PURCHASER for Project Work that PURCHASER agrees to complete under Section 2610, "Project Work," of this Contract, STATE agrees to credit PURCHASER's timber account in the sum of $132,498.72 upon completion of and STATE's acceptance of all work, unless otherwise approved in writing by STATE.

PURCHASER may request partial credit for the Project Work when PURCHASER has completed and STATE has accepted the Project Work.



Legend

- Timber Sale Boundary
- Private Industrial Ownership
- No Harvest Zone
- Stream Class 3
- Stream Class 4
- Project Segments
- System Road
- Temp. Road
- New Temp. Road
- DTR
- DTR Radius
- Waste Disposal Area

EXHIBIT A

FOR TIMBER SALE CONTRACT #NC-341-2026-GF8723-01
KINNEY GNA
PORTIONS OF SECTIONS 19 & 30, T10S, R5E, W.M.
LINN COUNTY, OREGON
USFS DETROIT DISTRICT, WILLAMETTE NATIONAL FOREST
North Cascade District GIS
Feburary 2025
This product is for informational use and may not be suitable for legal, engineering, or surveying purposes
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SUBUNIT	TOTAL ACRES
1	8
2A	9
2B	1
2C	5
2D	9
3	8
4A	5
4B	1
4C	22
TOTAL	**68**

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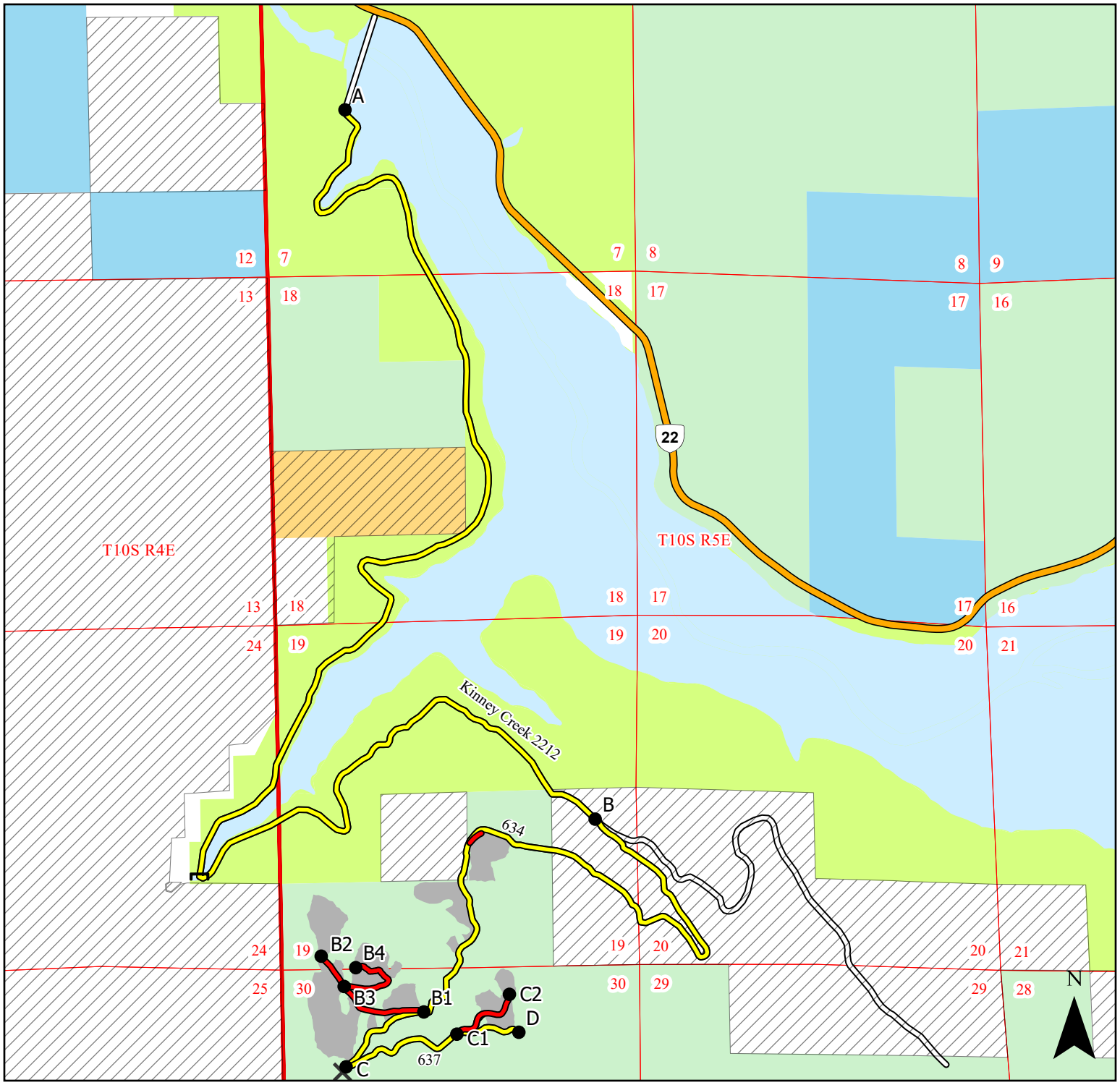
Feet



Legend

- Kinney GNA Final Boundary
- Project No. 1 & 2 - Road Improvement & Brushing
- Project No. 3 - Temp Road Improvement/Vacate
- USFS Bridge
- KinneyGNA_ProjectPoints
- Private Industrial Ownership
- Waste Disposal Area
- Oregon Department of Forestry (ODF)
- United States Army Corps Engineers
- United States Forest Service
- Local Government

EXHIBIT A - PROJECTS

FOR TIMBER SALE CONTRACT #NC-341-2026-GF8723-01
KINNEY GNA
PORTIONS OF SECTIONS 19 & 30, T10S, R5E, W.M.
LINN COUNTY, OREGON
USFS DETROIT DISTRICT, WILLAMETTE NATIONAL FOREST
North Cascade District GIS
Feburary 2025
This product is for informational use and may not be suitable for legal, engineering, or surveying purposes
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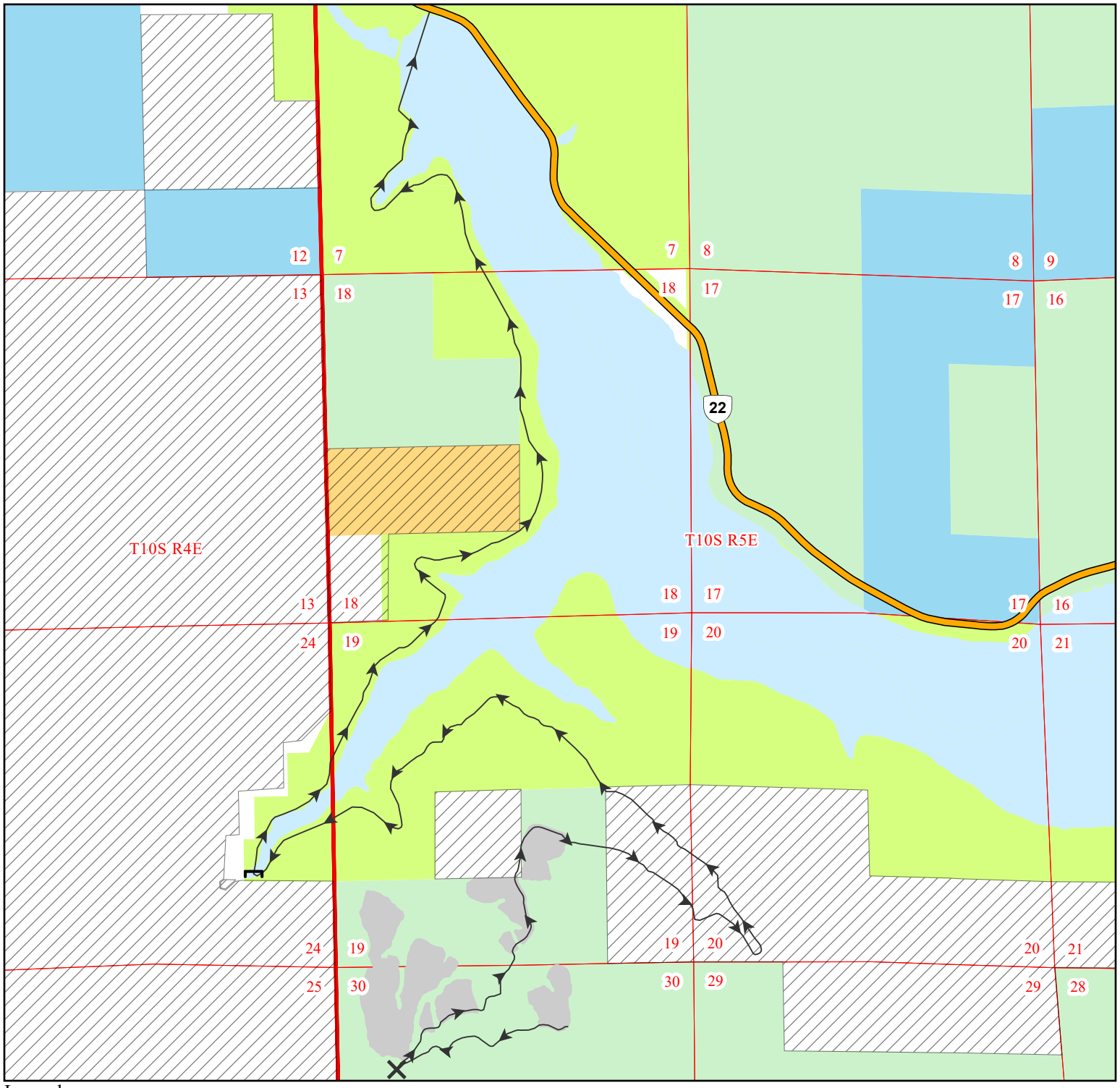

Legend

- Kinney GNA Final Boundary
- Haul Route
- State Highway
- USFS Bridge
- Private Industrial Ownership
- Waste Disposal Area
- Oregon Department of Forestry (ODF)
- United States Army Corps Engineers
- United States Forest Service
- Local Government

VICINITY MAP

FOR TIMBER SALE CONTRACT #NC-341-2026-GF8723-01
KINNEY GNA
PORTIONS OF SECTIONS 19 & 30, T10S, R5E, W.M.
LINN COUNTY, OREGON
USFS DETROIT DISTRICT, WILLAMETTE NATIONAL FOREST
North Cascade District GIS
Feburary 2025
This product is for informational use and may not be suitable for legal, engineering, or surveying purposes
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Oregon Department of Forestry
2600 State St Salem OR 97310
PART III: EXHIBITS

EXHIBIT B
TIMBER SALE OPERATIONS PLAN

(See page 2 for instructions)

Date Received by State: _____

(1) Contract Number: NC-341-2026-GF8723-01

(2) Sale Name: Kinney GNA

(3) Contract Expiration Date: 10/31/2027

(4) Purchaser Name: _____

(5) State Brand Information (Complete)

(6) State Representatives:

Name	Circle One	Phone No.	Cell No.	Alt Phone
	Logging Projects All			
	Logging Projects All			
	Logging Projects All			
	Logging Projects All			

(7) Purchaser Representatives:

Name	Circle One	Phone No.	Cell No.	Alt Phone
	Logging Projects All			
	Logging Projects All			
	Logging Projects All			
	Logging Projects All			
	Logging Projects All			
	Logging Projects All			
	Logging Projects All			

(8) Name of Subcontractors and Start Dates:

Project No.	Subcontractor Name.	Start Date	Completion Date	Cell No.	Alt Phone

	Subcontractor Name.	Start Date	Cell No.	Alt Phone
FELLING				
YARDING				

(9) Comments:

_____

_____

_____

(10) Operations Map: Attach a copy of timber sale Exhibit A or other suitable map which plainly shows the items listed on the instruction sheet.

Oregon Department of Forestry
2600 State St Salem OR 97310
PART III: EXHIBITS

EXHIBIT B
INSTRUCTION SHEET FOR OPERATIONS PLAN

SUBMIT ONE COPY OF PLAN TO STATE

Operations shall be limited to the work shown in the plan until a revised plan or supplemental plan is submitted covering additional work. Compliance with this plan is not in lieu of compliance with any federal requirements related to the federal Endangered Species Act including without limitation PURCHASER'S independent obligation to avoid take of a T&E species and PURCHASER'S obligation to comply with terms and conditions of any incidental take Permit(s) that include required minimization and mitigation measures in any applicable Habitat Conservation Plan. If STATE has prepared a required Forest Practices Act (FPA) "Written Plan" for operations, PURCHASER shall comply with all provisions of the Written Plan.

Explanation of Item No.(from Page 1)

(5) All sales require you to use a brand furnished by STATE. If the State brand has not been assigned when the plan is submitted, it will be furnished and assigned later. Complete drawing. If more than one brand is assigned to the sale, complete both drawings.

(6) The contract requires you to have a designated representative available on the sale area or work location who is authorized to receive in your behalf any notice or instruction given by STATE and to take action in regard to performance under the contract. If logging and project work is widely separated, a representative is required for each.

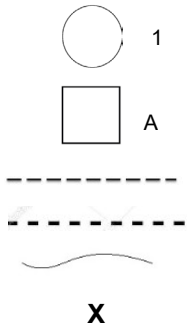
(7) The STATE representative will be designated when your plan is approved and is the person who will inspect and issue instructions regarding performance.

(8) Show names of subcontractors to be used for any or all phases of the operations. If subcontractors are not Known, or are changed later, give notification to the STATE representative prior to commencement of work by subcontractor.

(9) Show projected dates for commencement of both projects and logging. If projected dates need to be changed at a later date, notification must be given to the STATE representative by supplemental plan or otherwise, prior to commencement of such operations.

(10) The STATE representative will furnish extra copies of Exhibit A of the contract for your use in preparing the operations map. The map shall use the following legend and show:

1. Landing locations, approximate setting boundaries, and probable sequence of logging the settings. Number the settings in sequence.
2. Locations of spur roads planned for construction, other than required by the timber sale contract. Provide spur road specifications
3. Locations of proposed tractor yarding roads. Show if and how marked on the ground.
4. Locations of temporary stream crossings.
5. List the sequence of performing project work.
6. Location of rock sources - attach pit development plans.



Cable Landing, with numbers for sequence.

Tractor Landing with alphabetical sequence.

Approximate setting boundary.

Spur truck roads.

Tractor yarding roads.

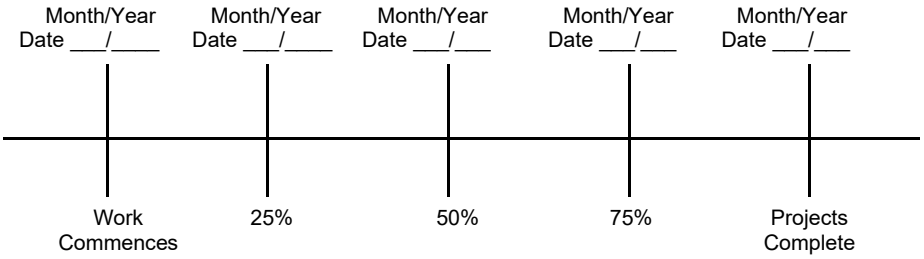
Temporary stream crossings.

Oregon Department of Forestry
2600 State St Salem OR 97310
PART III: EXHIBITS
EXHIBIT B
OPERATIONS PLAN

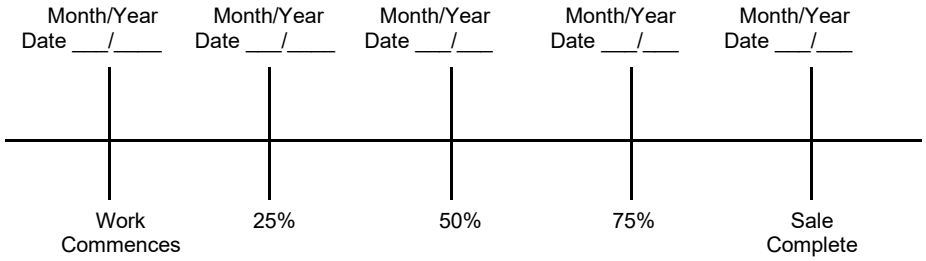
Completion Timeline

Indicate on the appropriate timeline below, the dates by which you plan to complete the work as required under this contract. The purpose of this section is to develop a plan that will ensure you complete the work as required, and meet the interim completion date(s) and contract expiration date. This plan is incorporated and made a part of the contract. When, in the opinion of STATE, operations are not commencing in a manner that meets the intent of this plan, you may be placed in violation of contract and your operations suspended until an amended plan is submitted and approved by STATE.

Projects



Harvest & Other Requirements



The Federal Endangered Species Act (ESA) prohibits a person from taking any federally listed threatened or endangered species. Taking under the federal ESA may include alteration of habitat. STATE's approval of this plan does not certify that PURCHASER's operation under the plan is lawful under the federal ESA or that the plan is consistent with the terms and conditions of any applicable incidental take Permit(s) including any required minimization and mitigation measures proposed in the applicable Habitat Conservation Plan. As provided in the timber sale contract, PURCHASER's must comply with all applicable state, federal, and local laws, including without limitation any Permit(s) issued thereunder.

PURCHASER's compliance with this plan is not in lieu of compliance with any federal requirements related to the federal Endangered Species Act.

APPROVED; Date: _____

STATE OF OREGON - DEPARTMENT OF FORESTRY

_____

Title _____

SUBMITTED BY:
PURCHASER

_____

Title _____

Oregon Department of Forestry

EXHIBIT C - SAWMILL GRADE (WESTSIDE SCALE)
SCALING INSTRUCTIONS - LOCATION APPROVAL - BRAND INFORMATION
North Cascade - NWOA

(1) ORIGINAL REGISTRATION ☐ Date _____
REVISION NUMBER 000 ☐ Date _____
CANCELLATION ☐ Date _____

(2) TO: _____
(Third Party Scaling Organization)

(3) FROM: North Cascade Phone (503) 859-2151
(State Forestry District)
Address: 930 W WASHINGTON ST. SUITE 20
STAYTON,OR 97383

(4) PURCHASER: _____
Mailing Address: _____
_____
Phone Number: _____

(5) **MINIMUM SCALING SPECIFICATIONS**

SPECIES	MINIMUM NET VOLUME
Conifers	10
Hardwoods	10

*Apply minimum volume test to whole logs over 40' Westside

(6) WESTSIDE SCALE:
Use Region 6 actual taper rule. Logs over 40'.

	YES	NO
(7) Weight Scale Sample	☐	☑

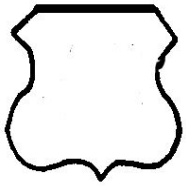
(8) **APPROVED SCALING LOCATIONS** (as shown on the ODF Approved Locations web-site)	Species	Yard	Truck	Weight

(9) **SALE NAME:** Kinney GNA
COUNTY: Linn

(10) **STATE CONTRACT NUMBER:**
NC-341-2026-GF8723-01

(11) STATE BRAND REGISTRATION NUMBER:

(12) **STATE BRAND INFORMATION:**



(13) PAINT REQUIRED: YES ☑
COLOR: Orange

(14) **SPECIAL REQUESTS** (Check applicable)

PEELABLE CULL (all species).....	☑
NO DEDUCTIONS ALLOWED FOR MECHANICAL DAMAGE.....	☑
ADD-BACK VOLUME - Deductions due to delay...	☑

OTHER :

(15) **REMARKS:**

"Mule Trains"
1. Loads are required to have load tickets for each set of bunks.
2. If truck and pup are to be weighed, weigh and process separately for gross and tare weights.

Operator's Name (Optional inclusion by District): _____

(16) SIGNATURES:

_____
Purchaser or Authorized Representative Date

_____
State Forester Representative Date

_____
State Forester Representative PRINT NAME

Notify the District within one hour when branding or painting is inadequate for quick identification, the receipts are missing, not correctly or completely filled out, and/or when logs presented for scaling are impossible to scale accurately.
General Distribution: TPSO, Approved Scaling Locations and Purchaser.

Oregon Department of Forestry
EXHIBIT C - SAWMILL GRADE
INSTRUCTIONS FOR EXHIBIT C
North Cascade - NWOA

(1) Check appropriate box. REVISION NUMBER requires comments. CANCELLATION requires logging and hauling to be complete, recall branding hammers.

(2) Designate Third Party Scaling Organization (TPSO).

Columbia River Log Scaling & Grading Bureau
P.O.Box 7002, Eugene, OR 97401
Phone: (541) 342-6007 Fax: (541) 342-2631
Email: services@crls.com

Mountain Western Log Scaling & Grading Bureau
2560 NW Medical Park Drive, OR 97471
Phone: (541) 673-5571 Fax: (541) 672-6381
Email: info@mountainwestern.com

Northwest Log Scalers Inc.
6137 NE 63rd St, Vancouver, WA, 98661
Phone: (360) 553-7212 ext. 4 Fax:(360) 553-7213
Email: info@nwlogscalers.com

Pacific Rim Log Scaling Bureau, Inc.
8288 28th Court North East, Lacey, WA 98516
Phone: (360) 528-8710 Fax: (360) 528-8718
Email: office@prlsb.com

Yamhill Log Scaling & Grading Bureau
P.O.Box 709, Forest Grove, OR 97116
Phone: (503) 359-4474 Fax: (503) 359-4476
Email: yamhilllog@frontier.com

(3) State District office, address and phone.

(4) Enter Purchaser's business name, address, and phone number as it appears on the Contract.

(5) Minimum Scaling Specifications.

(6) Westside - Region 6 actual taper segment scale. Check Yes or No. Special Service Rules on file with TPSO. See: Segment Scaling and Grading of Long Logs - All Species - State Forestry Department Scaling Practices (Westside).

(7) Weight Scale Sample - Check box if sale is to be a Weight Scale Sample. All specifies for handling, scaling and processing will be attached or explained in the Remarks section item (15).

(8) Show scaling locations only applicable to TPSO. Location name should appear as it does on the ODF Approved Scaling Location web site: https://apps.odf.oregon.gov/Divisions/management/asset_management/scalinglocation.asp Locations with scaling and processing directions specific to their location should be on a separate form. Species should be identified if not capable of receiving "all" species. Check appropriate box for either: yard, truck scale, or weight. Refer to the web site listed above for the locations approval status.

(9) Enter sale name and county.

(10) Enter sale Contract number.

(11) Enter Oregon's State Brand Registry Number (**REQUIRED**).

(12) Show brand assigned to timber sale. One brand only. If more than one brand is assigned to the sale: (1) make a separate form for each brand and (2) on each form, explain and show other brand(s) in the Remarks section item (15).

(13) Check yes for Paint Required and designate "Orange" for color. Non required removal volumes may sometimes require blue paint.

(14) Special Requests. These are requests that will be applied to ODF timber sales. All boxes applicable to the timber sales designated in the Exhibit C form must be "marked". If "Other" is indicated, it must contain a description and any necessary comments.

(15) Use this space to designate any weight scale sample instructions or any other explanations to clarify scaling, processing and/or mailing requirements. If additional scaling locations are approved, revise original or current form showing all (old and new) locations. Check REVISION box at top of form and explain under remarks. Route as indicated.

(16) Require purchaser to sign and date completed form in addition to State Forester Representative, sign and print name on the form. Signatures not required on revisions.

Oregon Department of Forestry
EXHIBIT C - PULP SORT
PROCESSING INSTRUCTIONS - LOCATION APPROVAL
BRAND INFORMATION

North Cascade, NWOA

(1) ORIGINAL REGISTRATION ☐ Date _____

REVISION NUMBER 000 ☐ Date _____

CANCELLATION ☐ Date _____

(2) TO: _____

(Approved Pulp Processing Facility)

(3) FROM: North Cascade Phone (503) 859-2151
(State Forestry District)

Address: 930 W WASHINGTON ST. SUITE 20

STAYTON,OR 97383

(4) PURCHASER: _____

(5) Scaling Bureau **(TPSO)** Processing Weight receipts:

Mailing Address: _____

_____

Phone Number: _____

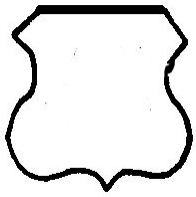
(9) **SALE NAME:** Kinney GNA

COUNTY: Linn

(10) **STATE CONTRACT NUMBER:**
NC-341-2026-GF8723-01

(11) STATE BRAND REGISTRATION NUMBER: _____

(12) STATE BRAND INFORMATION:



(13) **REMARKS:**

"Mule Trains"

1. Loads are required to have load tickets for each set of bunks.
2. Truck and pup are to be weighed and processed separately for gross and tare weights.

(6) **STATE Definition of Approved Pulp Sort:**

- Top portion of the tree (tops).
- All logs with a diameter (Big End) greater than 8 inches marked with blue paint.

(7) PULP FACILITY PROCESSING INSTRUCTIONS:

- Pulp loads shall be weighed in lieu of scaling.
- One Ton = 2000 lbs (Short Ton).
- Pulp loads shall have a yellow Log Load Receipt attached.
- Gross weight and truck tare weight for each load shall be machine printed on the weight receipt.
- Weigher shall sign the weight receipt.
- Weigher shall record the Log Load Receipt number on the weight receipt.
- Weigher shall attach the Weight receipt to the Log Load Receipt and mail them weekly to the TPSO processing the Weight receipt.

(8) TPSO PROCESSING INSTRUCTIONS

- Submit data files daily (or each day of activity).
- Mail or deliver scale tickets weekly to ODF Headquarters in Salem.

Operator's Name (Optional inclusion by District):

(14) SIGNATURES:

Purchaser or Authorized Representative Date

State Forester Representative Date

State Forester Representative PRINT NAME

Notify the District within one hour when branding is inadequate for quick identification, the logs are marked with orange paint, the receipts are missing, not correctly or completely filled out, and/or logs do not meet the specifications of the STATE definition of Approved Pulp Sort.

General Distribution: TPSO, Approved Scaling Locations and Purchaser.

Oregon Department of Forestry
EXHIBIT C - PULP SORT
INSTRUCTIONS FOR EXHIBIT C

North Cascade, NWOA

(1) Check appropriate box. REVISION NUMBER requires comments. CANCELLATION requires logging and hauling to be complete, recall branding hammers.

(2) Approved Pulp Processing Facility. Write in as written in the Approved Log Delivery Location
https://apps.odf.oregon.gov/Divisions/management/asset_management/scalinglocation.asp

(3) State District office, address and phone.

(4) Enter Purchaser's business name, address, and phone number as it appears on the Contract.

(5) Third Party Scaling Organization that will be processing the weight tickets, mailing address, and phone number.

Columbia River Log Scaling & Grading Bureau
P.O.Box 7002, Eugene, OR 97401
Phone: (541) 342-6007 Fax: (541) 342-2631
Email: services@crls.com

Pacific Rim Log Scaling Bureau, Inc.
8288 28th Court North East, Lacey, WA 98516
Phone: (360) 528-8710 Fax: (360) 528-8718
Email: office@prlsb.com

Mountain Western Log Scaling & Grading Bureau
2560 NW Medical Park Drive, Roseburg, OR 97471
Phone: (541) 673-5571 Fax: (541) 672-6381
Email: info@mountainwestern.com

Yamhill Log Scaling & Grading Bureau
P.O.Box 709, Forest Grove, OR 97116
Phone: (503) 359-4474 Fax: (503) 359-4476
Email: yamhilllog@frontier.com

Northwest Log Scalers Inc.
6137 NE 63rd St, Vancouver, WA, 98661
Phone: (360) 553-7212 ext. 4 Fax:(360) 553-7213
Email: info@nwlogscalers.com

(6) Big end of log is not to exceed 2 inches greater than the minimum removal specifications in the contract. Example: Minimum removal specifications 6 inches and 20 board feet, then the Big end of log not to exceed 8 inches. When conifer and hardwood removal specifications are different, use the smaller removal diameter to determine this specification.

(9) Enter sale name and county.

(10) Enter sale Contract number.

(11) Enter Oregon's State Brand Registry Number **(REQUIRED).**

(12) Show brand assigned to timber sale. One brand only, if more than one brand is assigned to the sale: (1) make a separate form for each brand and (2) on each form, explain and show other brand(s) in the Remarks section Item (13).

(13) Use this section to list any special instructions or the reason for any revisions in section item (1).

(14) Require purchaser to sign and date completed form in addition to State Forester Representative, sign and print name on the form. Signatures not required on revisions.

EXHIBIT D

FOREST ROAD SPECIFICATIONS

SUBGRADE WIDTH	SURFACED WIDTH	POINT TO POINT	STATION TO STATION	DRAINAGE
Paved	Paved	A to B	0+00 to 255+50	Crowned
16 feet	12 feet	B to C	0+00 to 119+85	Crowned
16 feet	12 feet	C to D	0+00 to 30+02	Outsloped
16 feet	12 feet	B1 to B2	0+00 to 27+75	Outsloped
16 feet	12 feet	B3 to B4	0+00 to 18+72	Outsloped
16 feet	12 feet	C1 to C2	0+00 to 16+43	Outsloped

CLEARING.

This work shall consist of clearing, removing, and disposing of all trees, Snags, Down Timber, brush, surface objects, and protruding obstructions within the clearing limits. All danger trees, leaners, and Snags outside the clearing limits which could fall and hit the road shall be felled.

CLEARING CLASSIFICATION.

Improvement - the “Road Brushing Specifications" in Exhibit E shall apply. Where clearing limits have not been marked, the clearing limits shall extend 5 feet back of the top of the cutslope and 10 feet out from the toe of the fill slope, or as directed by STATE.

GRUBBING.

This work shall consist of the removal or digging out of stumps and protruding objects. All stumps shall be completely removed within the limits of required grubbing. Stumps overhanging cut slopes shall be removed. Grubbing debris shall not be placed or permitted to remain in or under any road embankment sections.

GRUBBING CLASSIFICATION.

Improvements and reconstructions - 4 feet back from the shoulder of the subgrade or ditch, whichever is widest, or as marked in the field.

CLEARING AND GRUBBING DISPOSAL. Clearing and grubbing debris shall not be placed or permitted to remain in or under any road embankment sections. Clearing and grubbing debris shall be left in a stable location, and not left lodged against standing trees. Clearing and grubbing debris may be scattered through openings in the timber outside of the cleared right-of-way, except for the following areas where debris shall be fully contained and hauled to a designated waste area:

- Where end-haul is required
- On side slopes exceeding 45 percent
- On unstable areas
- In any stream channel (Class 1, 2, 3, or 4) or where material may enter the stream channel.

Clearing, grubbing, and associated disposal shall be completed prior to subgrade approval.

EXHIBIT D

FOREST ROAD SPECIFICATIONS

EXCAVATION. Excavation and grading shall not be done when weather and/or ground conditions are such that damage will result to existing subgrade or cause excessive erosion. Excavation shall conform to STATE lines, grades, dimensions, and plans when provided. Unless road plans show otherwise, all roads shall be on a balanced cross section, except when the slope is over 50 percent, the road shall be on full bench for the width specified.

Suitable excavated material shall be used for the formation of fills, shoulders, and drainage structure backfills. Embankment materials shall be free of woody debris, brush, muck, sod, frozen material, and other deleterious materials.

Sidecast includes any road generated excess excavation material which is not essential as part of the road prism, is not compacted, and is below the roadway. Sidecast shall not be placed where it will enter a stream course. Leaving sidecast below the road is only permissible if specifically allowed in "Full Bench and End Haul Requirements" in this Exhibit. All fills shall be machine compacted according to the "Compaction and Processing Requirements" in this Exhibit.

ROAD WIDTH LIMITATIONS. PURCHASER shall obtain advance written approval from STATE to construct the road to a greater width than specified. Extra subgrade width shall be required for:

Fill Widening. Add to each fill shoulder 1 foot for fills 3 feet to 6 feet high; 2 feet for fills over 6 feet high.

Curve Widening. Widen the inside shoulder of all curves as specified in the plans or as follows: 400 divided by the radius of the curve equals the amount of extra width.

DRAINAGE

Subgrade. Subgrade shall be crowned, outsloped, or insloped at 4 to 6 percent as shown on the "Forest Road Specifications" table in this Exhibit.

Ditch. Construct "V" shaped ditch (3) feet wide and to a depth of (1) foot below subgrade.

Ditchouts. Construct ditchouts to drain away from subgrade at locations marked in the field or as directed by STATE.

TURNOUTS. Increase roadbed width an additional (12) feet for both subgrade and surfacing. Length shall be at least (50) feet, or as staked on the ground, plus 25-foot approaches at each end.

SLOPES	Cut Slopes	Fill Slopes
Solid Rock	Vertical to ¼ :1	
Fractured Rock	½:1	
Soil - side slopes 50% and over	½:1	1½:1
Soil - side slopes less than 50%	1:1	1½:1

Top of cut slope shall be rounded.

LANDINGS. Landings shall be constructed as posted in the field, no less than (50) feet wide and no more than (70) feet wide unless otherwise approved by STATE. Surface is to be outsloped or crowned for drainage with general grade no more than 3 percent. Surface as shown in the "Road Surfacing" table in this Exhibit.

TURNAROUNDS. Increase subgrade width an additional 20 feet for a length of 20 feet at locations marked in the field.

SEASONAL WINTERIZATION. All unsurfaced roads or unfinished subgrades shall be waterbarred in accordance with the specifications in Exhibit F, and blocked from vehicular traffic prior to October 15, annually and as directed by STATE.

EXHIBIT D

FOREST ROAD SPECIFICATIONS

GENERAL ROAD IMPROVEMENT INSTRUCTIONS:

(1) Roadside Brushing. Conduct roadside brushing as specified in Exhibit E.

(3) Excavated Materials. Excavated materials shall be utilized for road and fill construction and hauled in where necessary. Surplus excavation materials shall be hauled to the waste areas as marked in the field and/or designated on Exhibit A. Surplus excavated materials and waste materials shall be sloped and compacted for drainage. Fills shall be thoroughly compacted in accordance with this Exhibit. Excess excavated material not used for embankment shall be sidecast on slopes up to (50) percent and end hauled or pushed to waste areas as shown on Exhibit A and marked in the field.

(5) Culvert Replacement, Culvert Installation, Fill Reconstruction, and Fill Removal. Existing culvert geometry shall be modified to provide for optimum drainage and culvert performance. Modifications may include, skewing the culvert and/or installing the culvert at gradients equal to or exceeding the drainage (or ditch) gradient. Where fill reconstruction or culvert replacement is specified, fills shall be excavated to natural stream course levels. All woody debris encountered during fill excavation shall be removed. Fill reconstruction backfill shall consist of select materials and may be obtained from borrow pits, as directed by STATE. Unsuitable backfill material shall be hauled to the designated waste areas as marked in the field and/or designated on Exhibit A. Backfill materials shall be hauled in where necessary and thoroughly compacted in accordance with this Exhibit.

(6) Drainage Ditches. Restore or construct ditchlines, including ditchouts, as directed by STATE. Clean out all culvert inlets and outlets for a 10-foot radius. Re-establish or construct culvert sediment basins. Waste materials from drainage ditches and sediment basins shall not be pulled across existing surfacing rock, but shall be placed in nearby waste areas.

(7) Settling Ponds and Ditch Armoring. Construct settling ponds as directed by STATE. Excavated material shall be hauled to the designated waste areas as marked in the field and/or designated on Exhibit A. Waste materials shall be sloped and compacted for drainage. Settling pond dimensions shall be a finished top diameter of 5 feet, bottom diameter of 3 feet and 3 feet in depth, to the top of the pond armor rock or as directed by STATE. Backslopes shall be ¾:1.

(8) Fill Armor and Energy Dissipator Construction. Where rock is specified for fill armor, rock shall be machine placed and tamped at a 1½:1 slope, beginning at the toe of the fill. Where rock is used for an energy dissipator, rock shall be placed below the culvert outlet and embedded for a minimum of 3 feet.

(9) Sod Removal. Remove/separate sod from crushed rock surfacing as directed by STATE. Sod material shall be scattered in stable locations through openings in the timber outside of the cleared right-of-way. In areas where sod cannot be scattered in a stable location, material shall be end hauled to designated waste areas as shown on Exhibit A, or other stable locations as directed by STATE.

(10) Equipment. All excavation and riprap placement shall be performed using a minimum 1½ cubic yard, track-mounted excavator.

(11) Waste areas shall be uniformly sloped and compacted for drainage.

EXHIBIT D

FOREST ROAD SPECIFICATIONS

GENERAL ROAD IMPROVEMENT INSTRUCTIONS:

(11) Subgrade Preparation and Application of Surfacing Rock.

(a) Complete culvert installations, drainage ditches, fill reconstruction, ditchouts, and other specified work prior to the application of new surfacing rock.

(b) Cut out all potholes and/or washboard sections from the existing surfacing.

(c) Apply required patching and leveling rock, as directed by STATE.

(d) Process (grade and mix) the existing surface and added base rock. Provide for a crown, outslope, or inslope of 4 to 6 percent, and compact in accordance to the "Compaction and Processing Requirements" in this Exhibit.

(e) Upon completion of above required work, apply, process, and compact surfacing rock in accordance to this Exhibit.

ADDITIONAL GENERAL TEMPOARY ROAD AND LANDING IMPROVEMENT INSTRUCTIONS

(1) All landings (not in system roads) and temporary roads used during project activities shall be subsoiled to a depth of 20 inches of mineral soil 'munching" or bucket ripping would be the preferred style of subsoiling. All units that have existing compaction levels above 20% would be a priority to undergo enhancement subsoiling. All roads that are to be closed would be treated for invasive species prior to completion. Close off any temporary spur roads, if used, as soon as possible after logging and related activities are completed. Areas of disturbed soil would be seeded with native seed and covered with weed-free straw, mulch or on-site slash following subsoiling activities.

(2) Construction and operations on project roads and landings shall not be allowed during wet conditions unless otherwise approved in writing by STATE.

(3) Temporary roads will be made hydrologically stable and rehabilitated after completion of project activities. Rehabilitation of temporary roads may include blocking the entrance, removal of culverts, out-sloping the road surface, pulling back displaced material onto the roadway, installation of water bars, re-vegetation of the road prism, and/or the subsoiling of compacted surfaces when necessary.

(4) On segments of decommissioned roads in between fill removals, build water bars to divert surface drainage and de-compact the road surface to a depth of 12-24" to ensure infiltration of surface runoff.

(5) Existing temporary roads shall be limited to no more than 1/2 mile in total length and use existing impacted areas wherever possible. Locate temporary spurs on existing skid roads where possible to minimize soil compaction. Clean fill (soil or rock free of slash and debris) would be used for construction of temporary roads. Sources of rock and fill material needs to be free of invasive plants. Rock quarries that may be used would be surveyed for invasive plants prior to use. If invasive plants are found, they would be treated as necessary prior to use.

(6) Construction or maintenance of roads would not be done when soils are saturated, or run-off occurs. A stable fill would be constructed across all streams when crossed by new temporary roads, including a temporary culvert. Temporary stream crossings should be perpendicular to- the stream channel and take the shortest corridor through the no-cut buffer. All stream crossings would be removed before the wet season if the road is needed for more than one operating season. If it is not feasible to remove stream crossings during the wet season, the road must be hydrologically stabilized before the wet season in concurrence with the State.

(7) All non-system roads used for timber harvest will be decommissioned after completion of project activities, which includes removing all stream crossings and de-compacting the road surface. Decommissioning will include at a minimum removing all stream culverts and water-barring the road. May also include removal of ditch relief culverts, side cast pull back, de-compaction and re-contouring the slope. Decommissioning includes the administrative action of removing the road from the road system.

(8) Non-system roads, skid trails and landings that have not been designated for wet season use shall be storm proofed with water bars or drain dips prior to extended periods of wet weather or predicted high precipitation events. Water bar location shall occur where local terrain facilitates effective drainage of the non-system road, skid trail, or landing while avoiding unnecessary soil disturbance. An example would be to construct water bars every 100 feet on slopes less than 15%, and every 50 feet on slopes greater than 15%. Water bars should be keyed-in to the cut bank and have a clear outlet on the downhill side. In lieu of water bars, where available in concentrations, slash can be scattered on corridors, skid trails and landings.

(9) Closed system roads will be hydrologically stabilized. This usually includes removing all stream culverts and water-barring, but sometimes deep fill stream crossings will be stabilized by reducing the fill material over culverts left in place, or other measures to hydrologically stabilize the road as determined by a hydrologist.

(10) Any project activity that occurs within a perennial stream channel, such as culvert replacement, shall comply with the Oregon Department of Fish and Wildlife seasonal restriction for in-stream work activities [June 1 – August 31 window, North Santiam River above Big Cliff Dam] and follow a dewatering plan. If a waiver to these dates is necessary, the STATE would need to review the proposal and seek concurrence from the applicable regulatory agencies. Culvert removal sites will be dewatered while the culvert is being removed if stream flow is sufficient for dewatering to be possible. On Class 2 streams, ensure fish salvage is performed by a fisheries biologist and ensure continuous stream flow below the work site. At culvert removal sites, the road must have water bars or other drainage features constructed to route surface water away from the newly excavated slopes.

(11) Disturbed areas (culverts installations, disposal sites, etc.) should be re-vegetated with seed provided by STATE. Weed free mulch or straw shall be applied as determined by STATE.

(12) Construction or maintenance of roads would not be done when soils are saturated, or run-off occurs. A stable fill would be constructed across all streams when crossed by new temporary roads, including a temporary culvert. Temporary stream crossings should be perpendicular to- the stream channel and take the shortest corridor through the no-cut buffer. All stream crossings would be removed before the wet season if the road is needed for more than one operating season. If it is not feasible to remove stream crossings before the wet season, the road must be hydrologically stabilized before the wet season in concurrence with the STATE.

(13) All waste material generated from road maintenance shall be placed in a pre-designated area outside of Riparian Reserves, as approved by STATE.

SPECIFIC ROAD IMPROVEMENT INSTRUCTIONS

Segment	Station	Work Description
A to B	0+00	Junction of Detroit Dam and Kinney Creek Rd (USFS 2122), begin road improvement by clearing and reshaping ditches (Construct "V" shaped ditch (3) feet wide and to a depth of (1) foot below subgrade), clearing culvert inlets and outlets. Rubber tire or tracked equipment required while working on paved surfaces. End haul ditch and debris material to pre-approved waste area. Begin road brushing.
	20+74	Remove 9cy of debris and rock from ditch. Continue general ditch improvement. Deliver waste material to end-haul location.
	27+25	Remove 9cy of debris and rock from ditch. Continue general ditch improvement. Deliver waste material to end-haul location.
	28+53	Remove 9cy of debris and rock from ditch. Continue general ditch improvement. Deliver waste material to end-haul location.

	37+39	Remove 20cy of debris and rock from ditch. Continue general ditch improvement. Deliver waste material to end-haul location.
	169+45	Remove 90cy of debris and rock from ditch. Continue general ditch improvement. Deliver waste material to end-haul location.
	255+550	End road improvement and brushing point B.
B to C	0+00	Junction off of USFS Rd 2212 on to USFS Rd 634, begin road improvement by cleaning and reshaping the ditches (Construct "V" shaped ditch (3) feet wide and to a depth of (1) foot below subgrade), culvert inlets and outlets, cut out and compact potholes, and grade road, and spot rocking where needed. End haul ditch material to pre-approved waste areas along the road. Begin road brushing. Remove tank trap as directed by STATE. Between 0+00 to 76+04 apply 76 cy of 1 ½"-0" as directed by STATE. Between 76+04 to 119+85 apply 876cy of 1 ½"-0" as directed by STATE. Construct/improve waste disposal end-haul area at 119+85 as directed by STATE. Construct/improve truck turnaround at 119+85.
	119+85	End road improvement and brushing at point C.
C to D	0+00	Junction off of USFS Rd 634 on to USFS Rd 637, begin road improvement by cleaning the ditches, culvert inlets and outlets, cut out and compact potholes, and grade road. End haul ditch material to pre-approved waste areas along the road. Begin road brushing. Apply 600 cy of 1 1/2"-0" as directed by STATE.
	30+02	End road brushing; end regrade, shape, ditch, and compact. End of spot rocking. Block vehicle access to 637 with woody debris as directed by STATE.
B1 to B2	0+00	Begin temporary improvement following general instructions, or as directed by STATE.
	27+75	End of temporary road improvement. Construct temporary landing.
B3 to B4	0+00	Begin temporary improvement following general instructions, or as directed by STATE.
	18+72	End of temporary road improvement. Construct temporary landing.
C1 to C2	0+00	Begin temporary improvement following general instructions, or as directed by STATE.
	18+72	End of temporary road improvement. Construct temporary landing.

EXHIBIT D

END-HAUL REQUIREMENTS

WASTE AREA LOCATION
Station C

End-Haul Areas General Requirements

Sidecast includes any road generated excess excavation material which is not essential as part of the road prism, is not compacted, and is below the roadway. Material shall not be sidecast unless specified above.

Containment/Sidecast

(1) Full: No excavated material remains below the road.

(2) Normal/Incidental: The amount of excavated material lost over the outside edge of the road shall not exceed 1 foot in depth.

(3) Sidecast: Material shall be spread evenly below the road so that it does not build up behind trees, snags or other debris, and shall not exceed 3 feet in depth.

Any amount of material exceeding the containment requirements shall be removed by whatever means necessary and end-hauled to a designated waste area.

Waste Area Location

(1) As shown on Exhibit A and as marked in the field.

(2) Setback from slope break shall be a minimum of (20 feet) horizontal measurement.

Waste Area Treatment

(1) Deposit at waste area, spread evenly, compact, and provide adequate drainage.

(2) Pile woody debris separate from other waste material.

EXHIBIT D

ROAD SURFACING

ROAD SEGMENT: Point A to Point B				POINT TO POINT		Sta. to Sta.		TOTAL VOLUME (CY)
Application	Rock Size and Type	Location	Depth of Rock (inches)	B to C Volume (CY) Per		2.27 miles Number of		
Top Rock (spot rocking)	1.5”- 0” Crushed	0+00 to 76+04	varies	Station	1	Stations	76.04	76
Top Rock	1.5”- 0” Crushed	76+04 to 119+85	Varies	Station	20	Stations	43.81	876
Landing Rock	Pit Run	Unit 1	Piled	Site	30	Site	2	60
Truck Turnaround	1.5”- 0” Crushed	119+85	Piled	Station	30	Stations	1	60
Total Rock for Road Segment:								1,072
ROAD SEGMENT: Point B to C				**POINT TO POINT**		**Sta. to Sta.**		**TOTAL VOLUME (CY)**
Application	**Rock Size and Type**	**Location**	**Depth of Rock (inches)**	C to D **Volume (CY) Per**		0.57 miles **Number Of**		
Top Rock	1.5”- 0” Crushed	0+00 to 30+02	Varies	Station	20	Stations	30.02	600
Landings	Pit Run	Unit 2	Piled	Site	30	Site	2	60
Total Rock for Road Segment:								660

TOTAL ROCK	Pit-run	1 ½”-0 Crushed
1,733 CY	120 CY	1,613 CY

Roads shall be uniformly graded, shaped and approved by STATE prior to rocking.

If rock is delivered by weight scale, it will be based on a moisture content of (15) percent. STATE will not give credit for weight of water delivered for moisture content above (15) percent.

EXHIBIT D

ROCK ACCOUNTABILITY

PURCHASER shall obtain subgrade approval from STATE prior to rocking. Rocking shall be limited to periods when weather conditions are acceptable to STATE and when sediment will not enter streams. Additional surfacing needed because of construction season or construction practice is not included in the preceding ROAD SURFACING table and shall be furnished at PURCHASER expense.

Rock accountability shall be determined by the following methods, as directed by STATE. STATE shall be given 24 hours' notice prior to rocking.

Depth Measurement. Rock shall be spread and compacted according to the depths specified in Exhibit D. Truck measure volumes are given but shall not limit the amount of rock spread.

Depth shall be determined in the most compacted area of the surface cross section. The depth of compacted aggregates shall not vary more than 1 inch from the depth specified in the "Road Surfacing" table in Exhibit D. The average depth for each road segment shall be the specified depth or greater. If additional rock is required because of insufficient depth, the locations and volumes to be added shall be determined by STATE.

Load Records. Notify STATE before spreading the rock and maintain a record of all rock delivered for spreading. Make the record available for STATE inspection. A report listing the amount of rock delivered in the prior month must be submitted no later than the 15th of each month.

EXHIBIT D

COMPACTION AND PROCESSING REQUIREMENTS

Moisture Content: Compaction must take place when moisture content of the materials being compacted is favorable for effective compaction as determined by STATE.

Compaction Pass: A pass is defined as traveling a road section forward and then backward over that same section.

Subgrade. Subgrade surfaces of the road segments listed below shall be graded and compacted prior to rocking. Compaction shall be accomplished by traveling all surfaces from shoulder to shoulder until the surface is smooth and hard and visible deformation ceases. At least 3 passes shall be made over the entire width and length of the road. Compaction shall be accomplished by using one or more of the approved equipment options listed below:

Subgrade shall be crowned, outsloped, or insloped at 4 to 6 percent as specified in the "Forest Roads Specifications" table in Exhibit D.

ROAD SEGMENT	SUBGRADE COMPACTION OPTIONS
All road segments that require rock surfacing	1

Fills. Embankments and fills shall be placed in (approximately) horizontal layers not more than 8 inches in depth. Each layer shall be separately, and thoroughly, compacted. Compaction equipment shall be operated over the entire width of each layer until visible deformation of the layers ceases. At least 3 passes shall be made over the entire width and length of each layer.

Placing individual rocks or boulders with more depth than the allowed layer thickness shall be permitted, provided the embankment will accommodate them. Such rocks and boulders shall be at least 6 inches below the subgrade. They shall be carefully distributed and the voids filled with finer material, forming a dense and compacted mass. Compaction shall be accomplished by using one or more of the approved equipment options listed below:

ROAD SEGMENT	FILLS COMPACTION OPTIONS
All road segments	1, 2, 3, and 4

Crushed Rock. The rock shall be uniformly mixed and spread in layers on the approved roadbed. Each layer of crushed rock shall be moistened or dried to uniform moisture content suitable for maximum compaction and compacted in layers not to exceed 6 inches in depth. When more than 1 layer is required, each shall be shaped, compacted, and approved by STATE before the succeeding layer is placed. Any irregularities or depressions that develop during compaction of the top layer shall be corrected by loosening the material at these places and adding or removing material until the surface is smooth and uniform. Each layer shall be compacted with a minimum of 3 passes over the entire width and length of the road until the surface is smooth and hard and visible deformation ceases. Compaction shall be accomplished by using one or more of the approved equipment options listed below:

Rock shall be compacted and processed during the same project period it is spread, unless otherwise approved in writing by STATE.

Rock shall be crowned, outsloped, or insloped at 4 to 6 percent as specified in the "Forest Roads Specifications" table in Exhibit D.

EXHIBIT D

COMPACTION AND PROCESSING REQUIREMENTS

ROAD SEGMENT	CRUSHED COMPACTION OPTIONS
All road segments requiring crushed rock.	1

Pit-Run Rock. The rock shall be uniformly mixed and spread in layers on the approved roadbed. Each layer of pit-run rock shall be moistened or dried to uniform moisture content suitable for maximum compaction and compacted in layers not to exceed 8 inches in depth. When more than 1 layer is required, each shall be shaped and compacted before the succeeding layer is placed. Any irregularities or depressions that develop during compaction of the top layer shall be corrected by loosening the material at these places and adding or removing material until the surface is smooth and uniform. Each layer shall be compacted with a minimum of 3 passes over the entire width and length of the road. Compaction shall be accomplished by using one or more of the approved equipment options listed below:

Rock shall be crowned, outsloped, or insloped at 4 to 6 percent as specified in the “Forest Roads Specifications” table in Exhibit D.

ROAD SEGMENT	CRUSHED COMPACTION OPTIONS
Segments requiring pit-run rock	1 or 4

EXHIBIT D

COMPACTION EQUIPMENT OPTIONS

(1) Vibratory Rollers. The drum shall have a smooth surface, a diameter not less than 48 inches, a width not less than 58 inches, and a turning radius of 15 feet or less. (Vibration frequency shall be regulated in steps to 1400, 1500, and 1600 VPM, corresponding to engine speeds of 1575, 1690, and 1800 RPM. The centrifugal force developed shall be 7 tons at 1600 VPM. It shall be activated by a power unit of not less than 25 horsepower.) The vibratory roller shall be self-propelled and operated at speeds ranging from 0.9 miles to 1.8 miles per hour, as directed by STATE.

(2) Rubber-Tired Skidders. A rubber-tired skidder weighing a minimum of 20,000 pounds shall be operated over the fill layers so that the entire layered surface comes in contact with the tires. Skidders with oversized tires (high flotation) are not acceptable for compaction.

(3) Tampingfoot Compactors. Tampingfoot compactors shall exert a minimum pressure of 250 pounds per square inch on the ground area in contact with the tamping feet. The compactor shall cover a minimum width of 60 inches per pass and weigh a minimum of 16,000 pounds.

(4) Vibratory Hand-Operated or Backhoe-Mounted Tamper. Vibratory hand-held or hydraulic tampers shall be used for compaction of backfill materials around culverts (and/or bridge approach embankment materials around abutments). The tamper shoe dimensions shall be a minimum of 10" X 13" and capable of a centrifugal force of 2,250 pounds.

(5) Dozer. A dozer/track-type tractor weighing a minimum of 45,000 pounds as directed by STATE shall be operated (over the pit-run or jaw-run rock) so that the entire surface comes in contact with the tracks.

EXHIBIT E

[*Height 20' for Mainline]*
[Height 15' for Collectors/Spurs]

ROAD BRUSHING SPECIFICATIONS

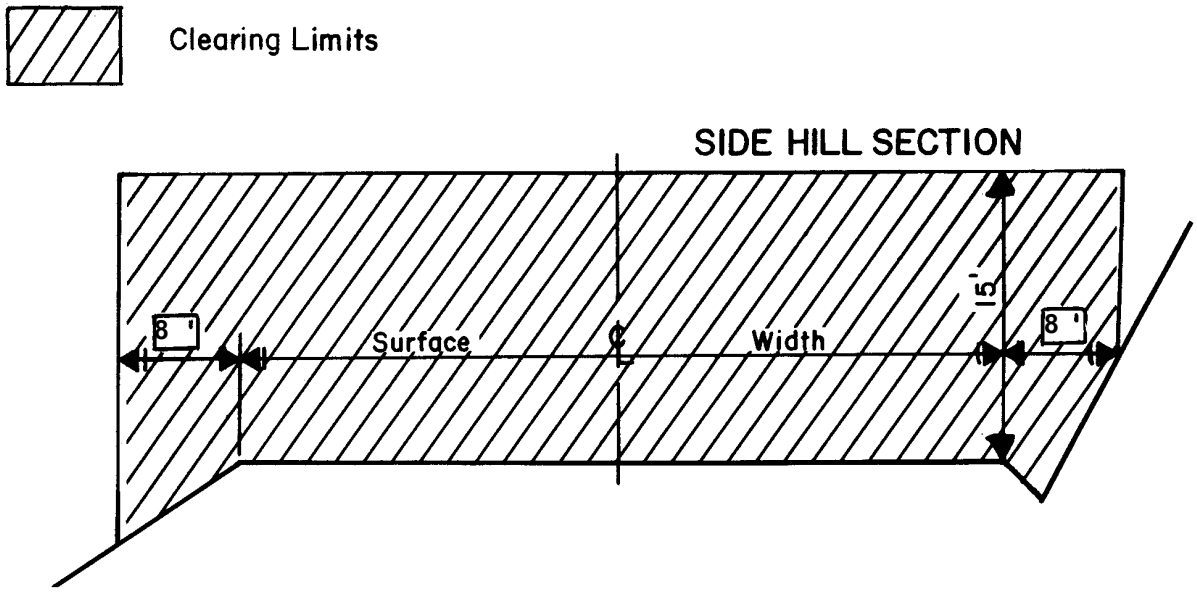


EXHIBIT E

ROAD BRUSHING SPECIFICATIONS

REQUIREMENTS

The minimum height of clearing shall be (15) feet from the road surface, and the minimum width of clearing on the cut slope side(s) of the road shall be (8) feet horizontal distance from the shoulder of the road and (8) feet horizontal on the down slope side from the road shoulder.

Brush and trees shall be cut to a maximum height of 6 inches above the ground surface or obstructions such as rocks or existing stumps.

Debris resulting from the brushing operation shall be removed from the roadway, cut slope, ditches, water courses, culvert inlets and outlets and sediment catching basins. Debris shall be mulched or scattered downslope from the road or placed in other stable locations. Large debris, 6 inches or larger in diameter, shall be mulched or cut into lengths 6 feet or less to facilitate rapid decay, unless otherwise approved by STATE.

Trees larger than 6 inches in diameter at stump height, located within clearing limits but outside of the ditch line or shoulder, shall not be cut down, but shall be limbed for road visibility. Planted or established conifers, located within brushing limits but outside of the ditch line or shoulder, shall not be cut down, but shall be limbed for road visibility unless otherwise directed by STATE.

Existing debris on the roadway, cut slope, ditch line, or catch basin shall be removed and treated. Debris shall be mulched or scattered downslope from the road or placed in other stable locations. Large non-merchantable debris, 6 inches or larger in diameter, shall be mulched or cut into lengths 6 feet or less to facilitate rapid decay, unless otherwise approved by STATE.

When spur roads to be brushed end with a Landing, the Landing is to be brushed as directed by STATE.

CULVERT AND ROAD MARKER DAMAGES. Culvert and road markers damaged, or any portion of a marker damaged from PURCHASER activities shall be replaced.

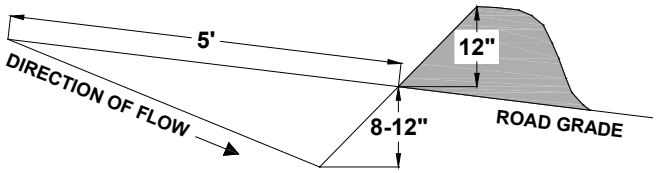
SPECIFIC ROAD BRUSHING INSTRUCTIONS. Road segments designated as heavy will need additional equipment for the brushing and clean-up of these segments. Clean-up shall include grading or pulling with an excavator, as directed by STATE.

EXHIBIT F

WATERBAR SPECIFICATIONS

PROFILE

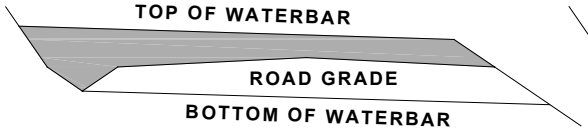
DITCHED AND OUTSLOPED



SPACING OF WATERBARS	
ROAD GRADE	DISTANCE
< 6 %	400'
6 - 10 %	200'
11 - 15 %	150'
> 15 %	100'

CROSS SECTION

DITCHED



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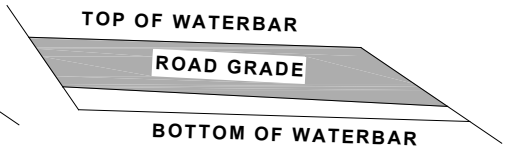
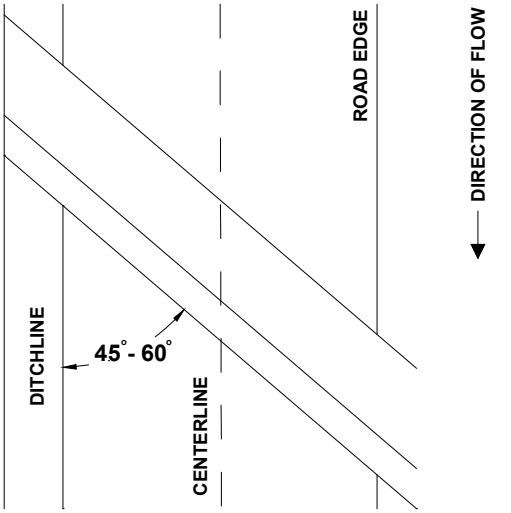


CONSTRUCT DITCHOUT THRU ANY EXISTING BERM.
CROSS DRAINAGE GRADIENT MINIMUM 3%.

PLAN VIEW

DITCHED



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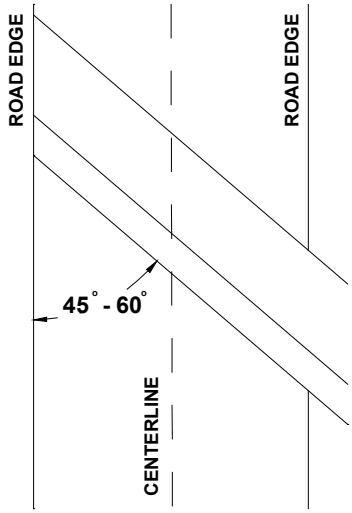
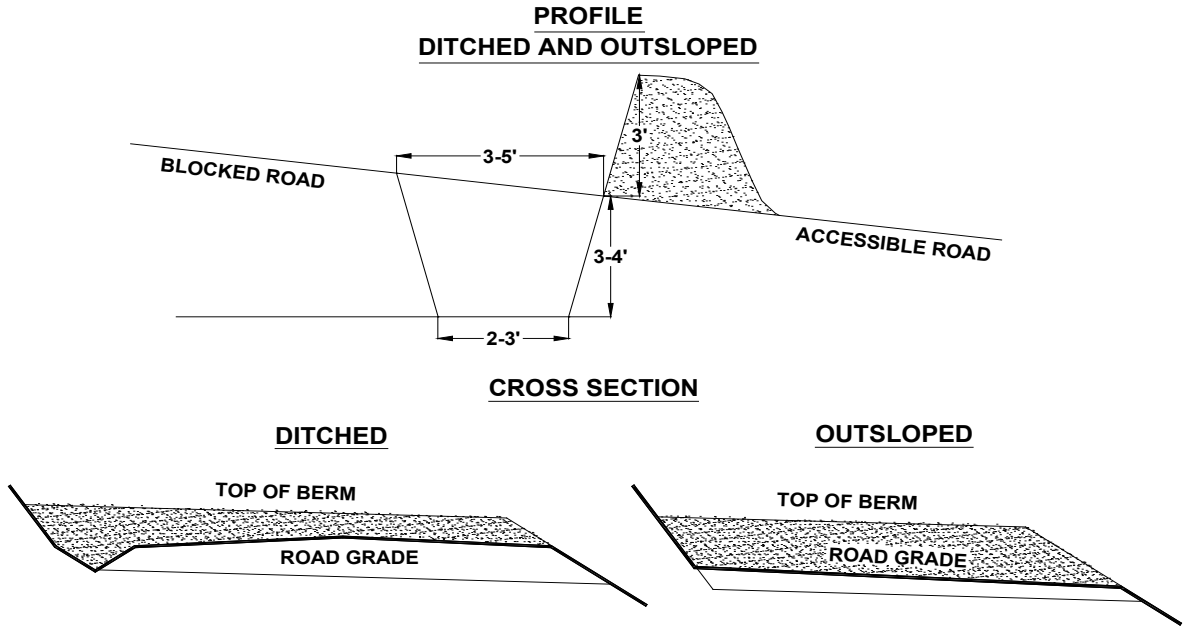


EXHIBIT G

TANK TRAP SPECIFICATIONS



It should be sloped to drain with a relief ditch through the down slope edge of the road. The trench shall be behind the berm for approaching traffic.

EXHIBIT H

WATERSHED REGULATIONS

PURCHASER shall take precautions necessary to protect the watershed from damage and to prevent pollution to the water supply. Precautions shall include, but not be limited to, the following regulations.

Laws, Rules, and Regulations. Comply with Oregon laws and with the rules and regulations of the Oregon State Board of Health relative to protection of watersheds and sanitation of public water supply.

Debris in Streams. Prevent, insofar as possible, logs, chunks, and other debris, resulting from logging and road building Operations, from being deposited in streams. If such material should become deposited in streams, immediately remove the material to restore normal stream flow, using necessary care to prevent unnecessary damage to the stream channel and banks.

General Sanitary Conditions. Do not create any conditions which may permit breeding of flies or mosquitoes. Machinery, equipment, soil, and fuel storage shall not be located near streams. Waste oil shall be removed from the watershed. Camping shall not be permitted.

Personnel. Persons with a history of typhoid fever, amoebic dysentery, or infectious hepatitis shall not be employed on the watershed. All personnel shall be required to use the privies. PURCHASER shall verbally instruct all personnel employed on the watershed in the required sanitary precautions to be observed and shall give each such person a copy of these regulations.

Overnight Camping Prohibited. No person shall remain on the watershed overnight, unless authorized in writing by STATE.

EXHIBIT I

ROAD AND LANDING VACATING/DECOMISSION SPECIFICATIONS

PURCHASER shall decommission temporary roads at the following locations: any roads and landings within Unit 1, B1 to B2, B3 to B4, and C1 to C2. Specific objectives for this project include:

(a) Fill removal and stream channel development.
(b) Culvert removal.
(c) Restoration of natural contours by outsloping of the road prism.
(d) Minimize disturbance of existing vegetation.

1) Tree Removal. Cut or remove all trees necessary to access the project area and to facilitate vacating operations, as directed by STATE.

2) Fill Removal and Stream Channel Development. Remove fills to the natural stream course level. Stream channel shall be excavated/developed to specified widths. Developed stream banks shall be sloped at natural contours or no steeper than 1 ½:1, as directed by STATE.

3) Culvert Removal. Remove drainage structures and culverts. Removed culverts shall be hauled to an approved refuse site off of STATE land.

4) Outslope Road. Outslope road to restore natural contours or establish a minimum of 10 percent slope for drainage at designated locations. If the road grade exceeds 10 percent, outslope of the road shall be 2 percent greater than the road grade.

5) Use of Excavated Materials.

(A) Fill Excavation and Sidecast Pullback. Excavated materials shall be placed on the interior (cut) side of the road and utilized to restore the cut slope to natural contours, or to a minimum 10 percent outsloped surface for drainage. Any excess material will be hauled to a designated waste area, as directed by STATE.

(B) Woody Debris. Shall be placed on the surface of pullback/fill material.

(C) Block Roads. Use excavated material from fill removals to block roads from vehicle access, as directed by STATE.

6) Erosion Control. Erosion control shall be completed in a progressive manner. Grass seed and straw mulch shall be applied for every 500 feet of road vacated, prior to continuing work.

All excavated material and bare soil shall utilize weed free grass seed and straw mulch approved by STATE. Applied mulch shall be a minimum of 2 inches deep and provide a uniform cover.

7) Erosion Control. Erosion control shall be completed in a progressive manner. Grass seed and straw mulch shall be applied for every 500 feet of road vacated, prior to continuing work.

8) Equipment. A minimum 1½ cubic-yard, track mounted excavator shall be used for all excavation, culvert removal, streambed preparation, road blocking, and waterbarring, unless otherwise approved in writing by STATE.

9) Dry Conditions. All work shall be performed during dry conditions acceptable to STATE.

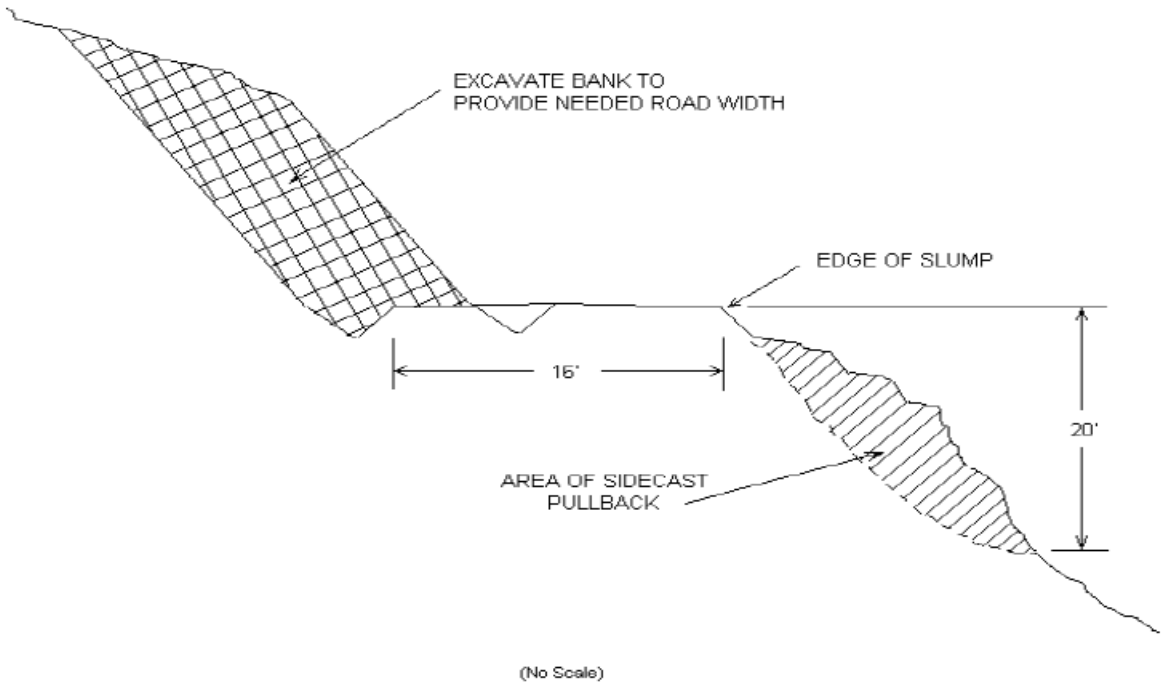
10) Support, including transport, other equipment, replacements, supplies, maintenance, and repairs, shall be furnished as required to complete the project and shall be furnished without cost to STATE, other than as agreed under the contract terms.

SPECIFIC INSTRUCTIONS/SPECIFICATIONS:

Segment	Station	Work Description
B1 to B2	0+00	Begin vacating/decommission, remove existing fill and culverts, develop stream channel widths, install waterbars per Exhibit F specifications, or as directed by STATE, subsoil road bed to a depth of 20". Seed and mulch exposed soils as directed by STATE.
	19+73	End Vacating. Block road.
B2 to B3	0+00	Begin vacating/decommission, remove existing fill and culverts, develop stream channel widths, install waterbars per Exhibit F specifications, or as directed by STATE, subsoil road bed to a depth of 20". Seed and mulch exposed soils as directed by STATE.
	13+32	End Vacating. Block road.
C1 to C2	0+00	Begin vacating/decommission, remove existing fill and culverts, develop stream channel widths, install waterbars per Exhibit F specifications, or as directed by STATE, subsoil road bed to a depth of 20". Seed and mulch exposed soils as directed by STATE.
	11+68	End Vacating. Block road.

EXHIBIT J

TYPICAL CROSS SECTION VIEW OF SIDECAST PULLBACK AND ROAD REALIGHMENT



(No Scale)

OREGON DEPARTMENT of FISH and WILDLIFE

FISH SCREENING PROGRAM

SMALL PUMP SCREEN SELF CERTIFICATION

The Oregon Water Resources Department in coordination and cooperation with the Oregon Department of Fish and Wildlife includes screen requirements on pumps to protect fish as a condition of many surface water and/or reservoir water right permits. This is done in accordance with ORS 537.153.

The Oregon Department of Fish and Wildlife does not usually inspect small pump screens at **pumped diversions less than 225 gpm** (gallons per minute), but furnishes the following fish screening criteria information to the water right permit holder:

Screen material open area must be at least 27% of the total wetted screen area.

Perforated plate: Openings shall not exceed 3/32 or 0.0938 inches (2.38 mm).

Mesh/Woven wire screen: Square openings shall not exceed 3/32 or 0.0938 inches (2.38 mm) in the narrow direction, e.g., 3/32 inch x 3/32 inch open mesh.

Profile bar screen/Wedge wire: Openings shall not exceed 0.0689 inches (1.75 mm) in the narrow direction.

Screen area must be large enough not to cause fish impact. Wetted screen area depends on the water flow rate and the water approach velocity. **Approach velocity** is the water velocity perpendicular to and approximately three inches in front of any part of the screen face.

An Active pump screen is a self-cleaning screen that has a proven cleaning system. The **screen approach velocity for active pump screens** shall not exceed 0.4 fps (feet per second) or 0.12 mps (meters per second). The wetted screen area in square feet is calculated by dividing the maximum water flow rate in cubic feet per second (1 cfs = 449 gpm) by 0.4 fps.

A Passive pump screen is a screen that has no cleaning system other than periodic manual cleaning. **Screen approach velocity for passive pump screens** shall not exceed 0.2 fps or 0.06 mps. The wetted screen area in square feet is calculated by dividing the maximum water flow rate by 0.2 fps.

For further information on fish screening please contact:

Oregon Department of Fish and Wildlife, Statewide Fish Screening Coordinator: 503.947.6229 Oregon Department of Fish and Wildlife, Screening Program Administrative Specialist: 503.947.6224

As evidence of having met fish screen installation requirements, please sign the certification and send to: **Oregon Water Resources Department, Water Rights Section, 725 Summer Street NE, Suite A, Salem, OR 97301-1271.**

Certification: I certify that my small pumped diversion of less than 225 gpm meets fish screening criteria, and that I will maintain it to comply with regulatory criteria. I also understand that should fish screening standards change, I may be required to modify my installation to meet applicable standards.

Applicant Signature: _____ Date: ___/___/___ WRD File #: _____

Printed Name and Address: _____

Phone: (___)_____ Fax: (___) _____

Timber Sale Appraisal
Kinney GNA

Sale NC-341-2026-GF8723-01

District: N Cascade

Date: November 03, 2025

Cost Summary

	Conifer	Hardwood	Total
Gross Timber Sale Value	$137,217.52	$0.00	$137,217.52
		Project Work:	($132,498.72)
		Advertised Value:	$4,718.80

Timber Sale Appraisal
Kinney GNA

Sale NC-341-2026-GF8723-01

District: N Cascade **Date: November 03, 2025**

Timber Description

Location: Portions of T10S, R05E, Sections 19 & 30, W.M. Linn County, Oregon

Stand Stocking: 80%

Specie Name	AvgDBH	Amortization (%)	Recovery (%)
Douglas - Fir	13	0	98
Western Hemlock / Fir	13	0	98

Volume by Grade	2S	3S & 4S 6"-11"	Total
Douglas - Fir	86	1,005	1,091
Western Hemlock / Fir	0	57	57
Total	86	1,062	1,148

Comments: SOURCE OF POND VALUES

Pond Values Used: Local Pond Values, July, 2025..

PRICING FOR ANY SPECIES THAT DOES NOT HAVE ANY VOLUME LISTED IN THE APPRAISAL

Western redcedar and Other Cedars Stumpage Price = Pond Value minus Logging Cost:
$650/MBF = $1,300/MBF - $650/MBF

Red Alder and Other Hardwoods Stumpage Price = Pond Value minus Logging Cost:
$70/MBF = $570/MBF - $500/MBF

PULP PRICE

Pulp (Conifer and Hardwood) Price = $1/TON

IDENTIFY OTHER COSTS WITH PROFIT & RISK TO BE ADDED

None

IDENTIFY OTHER COSTS WITH NO PROFIT & RISK ADDED

Prior to wet weather season or heavy rain events, landings and temporary roads water barred:
$1,000/season x 1 seasons = $1,000
Primary skid trail subsoiled to depth of 20 inches, water bars installed, seeded, mulched and entrance blocked: $500/skid trail x 6 trails = $3,000
Seeding and application of weed-free straw of all disturbed sites with seed provided by STATE (disposal sites and other areas determined by STATE): FLAT RATE = $2,000
Intermediate support/tail trees: $100/support x 30 supports = $3,000
Artificial anchor (deadman): $1,000/anchor x 5 anchors = $5,000
Firewood sorting and landing piling: $180/landing x 5 landings = $900
Machine time to block roads and skid trails: 1 hour x $150/hour = $150
Tree Marking: 1 person x 120 hours x $25/hour + $200 supplies = $3,200
Unit 1 Additional non-project road construction and decommission: (500ft x $10/ft construction) + (500ft x $5 decommission) = $7,500

TOTAL Other Costs (No Profit & Risk added) = $30,570

IDENTIFY SLASH DISPOSAL COSTS

SLASH DISPOSAL COSTS
In-Unit Piling: $50/acre x 28 acres = $1,400
Move-In: (($120/hour loaded transport) + ($25/hour x 2 pilots)) X 4 hour Move-In Cycle for 1 Excavator = $680
Equipment Weed Wash: (($120/hour loaded transport) + ($50/hour X 1 pilot/wash personnel)) X 2.5 hour wash time = $425
Pile landing slash = 15 piles x $100/hr = $1,500
Roadside grapple piling along roads = $1,000/mile x 2.82miles = $2,820
Covering Piles: ($12/pile x 71 piles) + ($22/hour x 2 covering personnel x 24 hours) = $1,908

TOTAL Slash Disposal Costs = $8,733

Total Road Maintenance: $4,820/1,148MBF = $4.20/MBF

ADDITIONAL COMMENTS

Sale area contains pink and orange centerline ROW flagging from an unknown source. This flagging is to be ignored when marking ROW for temporary road improvements.

Timber Sale Appraisal
Kinney GNA
Sale NC-341-2026-GF8723-01

District: N Cascade **Date: November 03, 2025**

Logging Conditions

Combination#: 1 Douglas - Fir 46.01%

Logging System: Shovel **Process:** Harvester Head Delimbing

yarding distance: Medium (800 ft) **downhill yarding:** No

tree size: Small / Thinning 10in (90 Bft/tree), 18-20 logs/MBF

loads / day: 10 **bd. ft / load:** 3700

cost / mbf: $270.27

machines: Forwarder
Harvester

Combination#: 2 Douglas - Fir 53.99%
Western Hemlock / Fir 100.00%

Logging System: Cable: Small Tower <=40 **Process:** Harvester Head Delimbing

yarding distance: Medium (800 ft) **downhill yarding:** No

tree size: Small / Thinning 10in (90 Bft/tree), 18-20 logs/MBF

loads / day: 4 **bd. ft / load:** 3700

cost / mbf: $502.10

machines: Log Loader (A)
Forwarder
Harvester
Tower Yarder (Small)

Timber Sale Appraisal
Kinney GNA
Sale NC-341-2026-GF8723-01

District: N Cascade **Date: November 03, 2025**

Logging Costs

Operating Seasons:	2.00	**Profit Risk:**	12%
Project Costs:	$132,498.72	**Other Costs (P/R):**	$0.00
Slash Disposal:	$8,733.00	**Other Costs:**	$25,750.00

Miles of Road

Road Maintenance: $4.20

Dirt	Rock (Contractor)	Rock (State)	Paved
0.0	0.0	0.0	0.0

Hauling Costs

Species	$ / MBF	Trips/Day	MBF / Load
Douglas - Fir	$0.00	3.0	3.5
Western Hemlock / Fir	$0.00	3.0	3.5

Timber Sale Appraisal
Kinney GNA

Sale NC-341-2026-GF8723-01

District: N Cascade

Date: November 03, 2025

Logging Costs Breakdown

Logging	Road Maint	Fire Protect	Hauling	Other P/R appl	Profit & Risk	Slash Disposal	Brand & Paint	Other	Total
Douglas - Fir									
$395.43	$4.28	$7.65	$121.43	$0.00	$63.45	$7.61	$2.00	$22.43	$624.28
Western Hemlock / Fir									
$502.10	$4.28	$7.65	$121.43	$0.00	$76.26	$7.61	$2.00	$22.43	$743.76

Specie	Amortization	Pond Value	Stumpage	Amortized
Douglas - Fir	$0.00	$750.00	$125.72	$0.00
Western Hemlock / Fir	$0.00	$744.76	$1.00	$0.00

Timber Sale Appraisal
Kinney GNA
Sale NC-341-2026-GF8723-01

District: N Cascade **Date: November 03, 2025**

Summary

Amortized

Specie	MBF	Value	Total
Douglas - Fir	0	$0.00	$0.00
Western Hemlock / Fir	0	$0.00	$0.00

Unamortized

Specie	MBF	Value	Total
Douglas - Fir	1,091	$125.72	$137,160.52
Western Hemlock / Fir	57	$1.00	$57.00

Gross Timber Sale Value

Recovery: $137,217.52

Prepared By: Connor Reardon **Phone:** 541-780-4586

KINNEY GNA PROJECT COSTS

Project No. 1

ROAD IMPROVEMENT:

		Rocking				
Segments	Length	Pit Run 6"+	Soil (end haul)	1.5" - 0" Crushed	Culverts 1.5" - 0"	Construction Cost
A to B	255+50		1,400 cy			$ 23,559.93
B to C	119+85	60 cy	340 cy	1,012 cy		$ 49,589.43
C to D	30+02	60 cy	100 cy	600 cy		$ 27,354.95
Totals	405+37	120 cy	1,840 cy	1,613 cy		$ 100,504.31
					Move-In:	$ 8,290.00
Total Miles	7.68				**Project No. 1**	**$ 108,794.31**

ROCK SOURCES:

	Rock Totals		
Location	Size of Rock	Needed for Roads	Landing
Commerical	Pit Run 6"+		120 cy
Commerical	1.5" - 0" Crushed	1,613 cy	

Project No. 2

ROAD BRUSHING

Segments	Length (ft)	Length (mile)	Brushing Type (L, M, H)	Cost/Mile	Operator Costs ($200/mile)	Total Cost
A to B	255+50	4.84	M	$ 2,000.00	$ 967.80	$ 2,967.80
B to C	119+85	2.27	M	$ 2,000.00	$ 453.98	$ 2,453.98
C to D	30+02	0.57	H	$ 2,500.00	$ 113.71	$ 2,613.71
Totals	405+37	7.68				$ 8,035.49
					Move-In:	$ 1,185.00
Total Miles	7.68				**Project No. 2**	**$ 9,220.49**

Project No. 3

IMPROVEMENT AND VACATE/DECOMMISSION OF TEMPORARY ROADS AND LANDINGS

Exsisting Temp Road Improvement					Exsisting Temp Road decomission (20" depth)	
Segment	Affected Unit	Length (ft)	Length(mile)	Cost ($4000/mi)	Cost ($3,000/mile)	Total Cost
B1 to B2	4 & 2	2,774.49	0.53	$ 2,101.89	$ 1,576.41	$ 3,678.30
B3 to B4	4 & 2	1,872.19	0.35	$ 1,418.33	$ 1,063.74	$ 2,482.07
C1 to C2	3	1,643.25	0.31	$ 1,244.89	$ 933.66	$ 2,178.55
	Totals	6,289.93	0.88	$ 4,765.10	$ 3,573.82	$ 8,338.92

Construction of Landings		
# of New Landing	$/landing	Total Cost
4	$ 200.00	$ 800.00

Decomission of new and non-project landings		
		Total Cost
15	$ 200.00	$ 3,000.00
	Move-In:	$ 2,345.00
	Project No 3	**$ 14,483.92**

TOTAL OF ALL PROJECT CREDITS	**$ 132,498.72**

Slash Disposal Breakdown

Move-in					
$/hr loaded transport	$/hr x # of pilots	# of hours move in cycle	# of equipment (excavator)		Total
120	50	4	1	$	680.00

Equipment Weed Wash					
$/hr loaded transport of pilots/wash personell		Wash time	# of equipment (excavtor)		Total
120	50	2.5	1	$	425.00

Roadside Grapple Piling along system roads and temp spurs			
$/mile	# of Miles		Total
1000	2.82	$	2,820.00

Pile landing slash			
# of piles	$/hr		Total
15	100	$	1,500.00

In Unit Piling (2 per acre)			
# of acres	$/acre		Total
28	$50	$	1,400.00

Covering Piles				
$/pile	# of Piles	$/hr x # of personell x # of hours		Total
12	71	1056	$	1,908.00

Total Slash Disposal Costs = $ 8,733.00

Other Costs with Profit and Risk to be Added

Prior to wet weather season or heavy rain events, landings and temporary roads water barred:							
		$/season		# of Seasons			Total
		$ 1,000.00		1		**$**	**1,000.00**
Primary skid trail subsoiled to depth of 20 inches, water bars installed, seeded, mulched and entrance blocked:							
		$/skid trail		# of skid trails			Total
		$ 500.00		6		**$**	**3,000.00**
Seeding and application of weed-free straw of all disturved sites with seed provided by STATE (disposal sites and other areas determined by STATE)							
				FLAT RATE =		**$**	**2,000.00**
Intermediate support/tail trees:							
		$/support		# of Supports			Total
		$ 100.00		30		**$**	**3,000.00**
Artifical anchor (dead man):							
		$/achor		#/anchor			Total
		$ 1,000.00		5		**$**	**5,000.00**
Firewood sorting & landing piling:							
		# of landings		$/landings			Total
		5	$	180.00		**$**	**900.00**
Machine Time to Block/waterbar roads and skid trails							
		# of hours		$/hr			Total
		1	$	150.00		**$**	**150.00**
Tree Marking (painting Rx, corridors, landings, etc.)							
# of personal		# of hours		$/hour		Supplies	Total
1		120	$	25.00	$	200.00	**$ 3,200.00**
Additional Non-Project Road construction and Decommision Unit 1							
Length(ft)		Construction ($/ft)		Decomission ($/ft)			
500	$	10.00	$	5.00			**$ 7,500.00**
						Total Other Costs =	**$ 25,750.00**

Identify Road Maintenance Costs

Move In					
		Total		**$**	**2,000.00**
General Road Maintenance					
	# of miles	$/mile		Total	
	2.82	$	1,000.00	**$**	**2,820.00**
Total Road Maintenance					
	total general road maintenan	Total Net Volume (mbf)		$/MBF	
	$ 4,820.00		1,148	**$**	**4.20**

PROJECT NO. 1

ROAD IMPROVEMENT

Sale: **KINNEY GNA** Total Length (ft) 25,550 Road Name: USFS 2212 Road Segment: **A to B**

ROAD IMPROVEMENT:

	Quantity	Designed Cubic Yards/Station				Cost per	
	Station or Acre	Pit run 6"+	1.5"- 0"	Bedding 1.5"	Soil	Station or Acre	Sum $
Road Improvement - Ditch Reestablishment, endhaul material	255+50				1,400 cy	$ 25.00	$ 6,387.50
Culvert Clearing	36					$ 20.00	$ 720.00
						SUB-TOTAL	$ 7,107.50

SURFACING:

Size	Roads	Landing	Ditch Soils	Two-way Junctions	Culvert Bedding	Turn outs	Dissipator (cy/pipe)	Total	Haul only	Cost
1.5"- 0"								cy	$ 30.53	$ -
other (end haul)			1,400 cy					1,400 cy	$ 11.75	$ 16,452.43
Pit Run 6"+								cy	$ 31.66	$ -
							Total =	1,400 cy	.	
									SUB-TOTAL	$ 16,452.43

GRAND TOTAL **$ 23,559.93**

PROJECT NO. 1

ROAD IMPROVEMENT

Sale: **KINNEY GNA** Total Length (ft) 11,985 Road Name: USFS 634 Road Segment: **B to C**

ROAD IMPROVEMENT:

	Quantity	Designed Cubic Yards/Station				Cost per	
	Station or Acre	Pit run 6"+	1.5"- 0"	Bedding 1.5"	Soil	Station or Acre	Sum $
Road Improvement (spot rocking)	76+04		1 cy			$ 75.00	$ 5,703.00
Road Improvement (grading, debris removal, lift)	43+81		20 cy			$ 75.00	$ 3,285.75
Road Improvement (Ditch Reestablishment)	119+85				340 cy	$ 25.00	$ 2,996.25
Culvert Clearing (as needed)	8					$ 20.00	$ 160.00
Turnaround	2		30 cy			$ 75.00	$ 150.00
Landings	2	30 cy				$ 250.00	$ 500.00
						SUB-TOTAL	$ 12,795.00

SURFACING:

			Ditch	Two-way	Culvert	Turn	Dissipator			
Size	Roads	Landing	Soils	Junctions	Bedding	outs	(cy/pipe)	Total	Haul only	Cost
1.5"- 0"	952 cy					60 cy		1,012 cy	$ 30.53	$ 30,898.98
other (end haul)			340 cy					340 cy	$ 11.75	$ 3,995.59
Pit Run 6"+		60 cy						60 cy	$ 31.66	$ 1,899.85
							Total =	1,412 cy	.	
									SUB-TOTAL	$ 36,794.43

GRAND TOTAL **$ 49,589.43**

PROJECT NO. 1

ROAD IMPROVEMENT

Sale: **KINNEY GNA** Total Length (ft) 3,002 Road Name: USFS 637 Road Segment: **C to D**

ROAD IMPROVEMENT:

	Quantity	Designed Cubic Yards/Station				Cost per	
	Station or Acre	Dissapator 6"+	1.5"- 0"	Bedding 1.5"	Soil	Station or Acre	Sum $
Road Improvement (rocking with grade and roll)	30+02		20 cy			$ 75.00	$ 2,251.50
Ditch Improvement (touch up, endhaul)	30+02				100 cy	$ 50.00	$ 1,501.00
Culvert Clearing (as needed)	2					$ 500.00	$ 500.00
Landing (instalation/decommission)	2	30 cy				$ 250.00	$ 500.00
Waterbar Installation	20					$ 50.00	$ 1,000.00
Road Blocking (at Segment C)	1					$ 200.00	$ 200.00
						SUB-TOTAL	$ 5,952.50

SURFACING:

			Ditch	Two-way	Culvert	Turn	Dissipator			
Size	Roads	Landing	Soils	Junctions	Bedding	outs	(cy/pipe)	Total	Haul only	Cost
1.5"- 0"	600 cy							600 cy	$ 30.53	$ 18,327.42
other			100 cy					100 cy	$ 11.75	$ 1,175.17
Pit Run 6"+		60 cy						60 cy	$ 31.66	$ 1,899.85
							Total =	760 cy		
									SUB-TOTAL	$ 21,402.45

GRAND TOTAL **$ 27,354.95**

KINNEY GNA

Move In Costs Project No. 1							
No.	**Equipment Description**	**Transport Cost**	**Hours of Transport**	**Cost To Move**	**Weedwash Time (hrs)**	**Weedwash Labor ($65/hr)**	**Total Cost**
1	Grader	$ 180.00	6	$ 1,080.00	2	$ 130.00	$ 1,210.00
1	Rollers & Compactor	$ 165.00	6	$ 990.00	2	$ 130.00	$ 1,120.00
1	Excavator	$ 220.00	6	$ 1,320.00	6	$ 390.00	$ 1,710.00
0	Small backhoe	$ 165.00	6	$ 990.00	3	$ 195.00	$ -
1	Tractors Dozer (D5 - D8)	$ 220.00	6	$ 1,320.00	6	$ 390.00	$ 1,710.00
2	Dump Truck (10 cy +)	$ 95.00	6	$ 570.00	1	$ 65.00	$ 1,270.00
0	Loader	$ 180.00	6	$ 1,080.00	0	$ -	$ -
0	Road Brusher	$ 165.00	6	$ 990.00	5	$ 325.00	$ -
2	Water Truck (1000 gallon)	$ 95.00	6	$ 570.00	1	$ 65.00	$ 1,270.00
					Total One Time	**$**	**8,290.00**

Move In Costs Project No. 2							
No.	**Equipment Description**	**Transport Cost**	**Hours of Transport**	**Cost To Move**	**Weedwash Time (hrs)**	**Weedwash Labor ($65/hr)**	**Total Cost**
0	Grader	$ 180.00	6	$ 1,080.00	2	$ 130.00	$ -
0	Rollers & Compactor	$ 165.00	6	$ 990.00	2	$ 130.00	$ -
0	Excavator	$ 220.00	6	$ 1,320.00	6	$ 390.00	$ -
0	Small backhoe	$ 165.00	6	$ 990.00	3	$ 195.00	$ -
0	Tractors Dozer (D5 - D8)	$ 220.00	6	$ 1,320.00	6	$ 390.00	$ -
0	Dump Truck (10 cy +)	$ 95.00	6	$ 570.00	1	$ 65.00	$ -
0	Loader	$ 180.00	6	$ 1,080.00	0	$ -	$ -
1	Road Brusher	$ 165.00	6	$ 990.00	3	$ 195.00	$ 1,185.00
0	Water Truck (1000 gallon)	$ 95.00	6	$ 570.00	1	$ 65.00	$ -
					Total One Time	**$**	**1,185.00**

Move In Costs Project No. 3							
No.	**Equipment Description**	**Transport Cost**	**Hours of Transport**	**Cost To Move**	**Weedwash Time (hrs)**	**Weedwash Labor ($65/hr)**	**Total Cost**
0	Grader	$ 180.00	6	$ 1,080.00	2	$ 130.00	$ -
0	Rollers & Compactor	$ 165.00	6	$ 990.00	2	$ 130.00	$ -
1	Excavator	$ 220.00	6	$ 1,320.00	6	$ 390.00	$ 1,710.00
0	Small backhoe	$ 165.00	6	$ 990.00	3	$ 195.00	$ -
0	Tractors Dozer (D5 - D8)	$ 220.00	6	$ 1,320.00	6	$ 390.00	$ -
0	Dump Truck (10 cy +)	$ 95.00	6	$ 570.00	1	$ 65.00	$ -
0	Loader	$ 180.00	6	$ 1,080.00	0	$ -	$ -
0	Road Brusher	$ 165.00	6	$ 990.00	5	$ 325.00	$ -
1	Water Truck (1000 gallon)	$ 95.00	6	$ 570.00	1	$ 65.00	$ 635.00
					Total One Time	**$**	**2,345.00**

Kinney GNA

Road Segment: **Point B to C, USFS 634**				**Point to Point**			**Sta. to Sta.**		**Total Volume (CY)**
Application	**Rock Size/Type**	**Location**	**Rock Depth**	B	to	C	2.27 mile		
				Volume (CY) Per			**Number of**		
Top Rock (spot rock)	1.5" - 0" Crushed	0+00 to 76+04	Varies	Station		1	Stations	76.04	76
Top Rock	1.5" - 0" Crushed	76+04 to 119+85	Varies	Station		20	Stations	43.81	876
Landing Rock	Pit Run	Unit 1	Piled	Station		30	Stations	2	60
Truck turnaround	1.5" - 0" Crushed	119+85	Piled	Station		30	Stations	2	60
								Total Rock for Road Segment:	**1,072**

Road Segment: **C to D USFS 637**				**Point to Point**			**Sta. to Sta.**		**Total Volume (CY)**
Application	**Rock Size/Type**	**Location**	**Rock Depth**	C	to	D	0.57 mile		
				Volume (CY) Per			**Number of**		
Top Rock	1.5"- 0" Crushed	0+00 to 30+02	Varies	Station		20	Stations	30.02	600
Landing Rock	Pit Run	Unit 3	vaires	Site		30	Site	2	60
								Total Rock for Road Segment:	**660**

Sizes	**6"+ Pit Run**	**Reclaim**	**1.5"-0 Crushed**	**Total**
Rock Totals	120 cy		1,613 cy	1,733 cy

KINNEY GNA Pit Name: **Commerical Site**

1.5"- 0 Crushed	$/cu.yd.==>	**$ 9.52**	This cost will be added to the road cost sheet
Swell:	1.30		
Shrinkage/Compact:	1.16		
Drill Pct.:	100%	Truck measure	1,613 cy
Oversize Pct.:	10%		

Scalp & Clear Overburden:		$350.00	/hr	x	0	hrs	=	$ -
Drill & Shoot:		$ 3.00	/cy	x	1,613	cy	=	$ 4,837.92
Sort and split oversize rock:		$ 4.25	/cy	x	161	cy	=	$ 685.37
Load Crusher:		$ 1.25	/cy	x	1,613	cy	=	$ 2,015.80
Crushing		$ 2.50	/cy	x	1,613	cy	=	$ 4,031.60
Screening Rock		$ 2.30	/cy	x	1,613	cy	=	$ 3,709.07
Clean Up Pit		$ 270.00	/hr	x	0	hrs	=	$ -
							Subtotal	$ 15,279.76

MOVE IN COSTS

3-stage crusher	0	$ 3,450.00				$ -
Move in and set up Drill and Comp	0	$ 1,200.00				$ -
Move in D-8 (w/Wash)	0	$ 1,615.00				$ -
Move in Loaders	0	$ 1,225.00				$ -
Move in Excavator (w/Wash)	0	$ 1,615.00				$ -
Move in Trucks	0	$ 140.00				$ -
Gradation Tests	$0.00	$ 70.00	per	1,613 cy	=	$ 70.00
						$ 70.00

ESTIMATED TOTAL COST $ 15,349.76

KINNEY GNA (Sale Name)

Commerical Site	(Quarry)	**(122°3'13"W 44°**	(Stockpile)	Spread	
Crushed	(Rock Type)	D10 (Truck)	12-G (Grad	Vibratory Ro	(Compactor)
1.5"- 0"	(Rock Size)	14G (Loader)	D6 (Tractor)		

Hauling Time Computation

50 MPH	48	Miles per round trip	58	Minutes
40 MPH		Miles per round trip	0	Minutes
35 MPH		Miles per round trip	0	Minutes
30 MPH		Miles per round trip	0	Minutes
25 MPH	10	Miles per round trip	24	Minutes
20 MPH		Miles per round trip	0	Minutes
15 MPH	5	Miles per round trip	20	Minutes
10 MPH		Miles per round trip	0	Minutes
5 MPH		Miles per round trip	0	Minutes
	63	**Total Miles per Round Trip**		
		Dump or Spread Time per Round Trip	0.50	Minutes
		Total Hauling Cycle Time for this Setting (100% Effi	102	Minutes
		Operator Efficiency Correction (80% Efficiency)	128	Minutes

Time Per Cubic Yard

Hauling Only (per cubic yard)	10.64	min/cu.yd
Delay Time (while loading = loading time per cubic y	0.52	min/cu.yd
Total Time Per Cubic Yard	11.16	min/cu.yd

Hauling Cost Per Cubic Yard Computation

Cost of Truck Per Hour	$ 50.00	per Hr.
Cost of Truck Operator Pre Hour	$ 50.00	per Hr.
Total Operating Cost Per Hour	$ 100.00	per Hr.
Operating Cost Per Minute	$ 1.67	per Min.
Cost Per Cubic Yard	**$ 18.59**	per Cu. Yd.
Loading Cost Per Cubic Yard	**$ 0.95**	per Cu. Yd.

Spreading Cost Per Cubic Yard

Cost of Grader Per Hour	$ 55.00	per Hr.
Cost of Grader Operator Per Hour	$ 55.00	per Hr.
Cost of Compaction Equip. Per Hour	$ 50.00	per Hr.
Cost of Compaction Equip. Op. Per Hour	$ 50.00	per Hr.
Total Operating Cost Per Hour	$ 210.00	per Hr.
Cost Per Cubic Yard to Grade and Roll	**$ 1.46**	Cu. Yd.
Total Cost to Load, Haul and Place	**$ 21.01**	Cu. Yd.
Crushing Cost per yard	**$ 9.52**	
Grand Total Combined	**$ 30.53**	

Rates

Dump Truck	Rate ($/Hr.)	Capacity (cy)	Operator ($/Hr.)	Total
B20	$ 70.00	20	$ 50.00	$ 120.00
D10	$ 50.00	12	$ 50.00	$ 100.00
OH25	$ 80.00	25	$ 50.00	$ 130.00

Grader	Rate ($/Hr.)	Operator ($/Hr.)	Total
12-G	$ 55.00	$ 55.00	$ 110.00
14-G	$ 60.00	$ 55.00	$ 115.00

Compaction Equipment	Rate ($/Hr.)	Operator ($/Hr.)	Total
Vibratory Roller	$ 50.00	$ 50.00	$ 100.00
Vib. Grid Roller	$ 50.00	$ 50.00	$ 100.00
Hand Held Compacto	$ 20.00	$ 50.00	$ 70.00

Tractors	Rate ($/Hr.)	Operator ($/Hr.)	Total
D4	$ 35.00	$ 55.00	$ 90.00
D6	$ 60.00	$ 55.00	$ 115.00
D7	$ 70.00	$ 55.00	$ 125.00
D8	$ 110.00	$ 55.00	$ 165.00

Loader	Rate ($/Hr.)	Capacity (cy)	Operator ($/Hr.)	Total
14G Cat Wheel Load	$ 60.00	3	$ 50.00	$ 110.00

Loading Costs	Rate (Min/Load)	Delay (Min)	Total Loading Time (Min)
Crushed Rock	5	1.25	6.25
Pit-Run/Jaw-Run Rock	5	1.25	6.25
Rip Rap Rock	5	1.25	6.25
Fill Material	5	1.25	6.25

Dump or Spread Time (Min)	
Pile Dump	0.25
Truck Spread	0.5
Spreading w/Grader	5

KINNEY GNA (Sale Name)

Commerical Site	(Quarry)	ON SITE	(Stockpile)	Spread	
Pit Run	(Rock Type)	D10	(Truck)	12-G	(Grader)	(Compactor)
6"+	(Rock Size)	14G	(Loader)	D8	(Tractor)	

Hauling Time Computation

50 MPH	48	Miles per round trip	58	Minutes
40 MPH		Miles per round trip	0	Minutes
35 MPH		Miles per round trip	0	Minutes
30 MPH	10	Miles per round trip	20	Minutes
25 MPH		Miles per round trip	0	Minutes
20 MPH		Miles per round trip	0	Minutes
15 MPH	5	Miles per round trip	20	Minutes
10 MPH		Miles per round trip	0	Minutes
5 MPH		Miles per round trip	0	Minutes
	63	**Total Miles per Round Trip**		
		Dump or Spread Time per Round Trip	10.00	Minutes
		Total Hauling Cycle Time for this Setting (100% Efficiency)	108	Minutes
		Operator Efficiency Correction (80% Efficiency)	135	Minutes

Time Per Cubic Yard

Hauling Only (per cubic yard)	11.21	min/cu.yd
Delay Time (while loading = loading time per cubic yard)	0.52	min/cu.yd
Total Time Per Cubic Yard	11.73	min/cu.yd

Hauling Cost Per Cubic Yard Computation

Cost of Truck Per Hour	$ 50.00	per Hr.
Cost of Truck Operator Pre Hour	$ 50.00	per Hr.
Total Operating Cost Per Hour	$ 100.00	per Hr.
Operating Cost Per Minute	$ 1.67	per Min.
Cost Per Cubic Yard	**$ 19.55**	per Cu. Yd.
Loading Cost Per Cubic Yard	**$ 1.07**	per Cu. Yd.
Spreading Cost Per Cubic Yard	PR	
Cost of Excavator Per Hour	$ 55.00	per Hr.
Cost of Excavator Operator Per Hour	$ 55.00	per Hr.
Cost of Compaction Equip. Per Hour		per Hr.
Cost of Compaction Equip. Op. Per Hour		per Hr.
Total Operating Cost Per Hour	$ 110.00	per Hr.
Cost Per Cubic Yard to place rock	**$ 1.53**	Cu. Yd.
Total Cost to Load, Haul and Place	**$ 22.15**	Cu. Yd.
No Crushing	**$ 9.52**	
Grand Total Combined	**$ 31.66**	

Rates

Dump Truck	Rate ($/Hr.)	Capacity (cy)	Operator ($/Hr.)	Total
B20	$ 70.00	20	$ 50.00	$ 120.00
D10	$ 50.00	12	$ 50.00	$ 100.00
OH25	$ 80.00	25	$ 50.00	$ 130.00

Grader	Rate ($/Hr.)	Operator ($/Hr.)	Total
12-G	$ 55.00	$ 55.00	$ 110.00
14-G	$ 60.00	$ 55.00	$ 115.00

Compaction Equipment	Rate ($/Hr.)	Operator ($/Hr.)	Total
Vibratory Roller	$ 50.00	$ 50.00	$ 100.00
Vib. Grid Roller	$ 50.00	$ 50.00	$ 100.00
Hand Held Compact	$ 20.00	$ 50.00	$ 70.00

Tractors	Rate ($/Hr.)	Operator ($/Hr.)	Total
D4	$ 35.00	$ 55.00	$ 90.00
D6	$ 60.00	$ 55.00	$ 115.00
D7	$ 70.00	$ 55.00	$ 125.00
D8	$ 110.00	$ 55.00	$ 165.00

Loader	Rate ($/Hr.)	Capacity (cy)	Operator ($/Hr.)	Total
14G Cat Wheel Loa	$ 60.00	3	$ 50.00	$ 110.00
Cat Excavator	$ 130.00	3	$ 50.00	$ 180.00

Loading Costs	Rate (Min/Load)	Delay (Min)	Total Loading Time (Min)
Crushed Rock	5	1.25	6.25
Pit-Run/Jaw-Run Rock	5	2.00	7.00
Rip Rap Rock	5	1.25	6.25
Fill Material	5	1.25	6.25

Dump or Spread Time (Min)	
Pile Dump and place rock	10
Truck Spread	0.5
Spreading w/Grader	5

KINNEY GNA (Sale Name) **Total Yards End Hauled:** 1840

On site EndHual **Unit 4 Waste Area** Spread and Compact

Waste (Type) (Truck) (Grader Vibratory Rol (Compactor)

(Rock Size) (Loader) Cat 325 Excavator (Excavator)

(Water Truck Size) Gal/cu.yd

Hauling Time Computation

50 MPH		Miles per round trip	0	Minutes
40 MPH		Miles per round trip	0	Minutes
35 MPH		Miles per round trip	0	Minutes
30 MPH		Miles per round trip	0	Minutes
25 MPH	10	Miles per round trip	24	Minutes
20 MPH		Miles per round trip	0	Minutes
15 MPH	4	Miles per round trip	16	Minutes
10 MPH		Miles per round trip	0	Minutes
5 MPH		Miles per round trip	0	Minutes
	14	**Total Miles per Round Trip**		
		Dump or Spread Time per Round Trip	0	Minutes
		Total Hauling Cycle Time for this Setting (100% Efficiency)	40.25	Minutes
		Operator Efficiency Correction (80% Efficiency)	50.31	Minutes

Time Per Cubic Yard

Hauling Only (per cubic yard)	4.19	min/cu.yd
Delay Time (while loading = loading time per cubic yard)	0.52	min/cu.yd
Total Time Per Cubic Yard	4.71	min/cu.yd

Hauling Cost Per Cubic Yard Computation

Cost of Truck Per Hour	$ 50.00	per Hr.
Cost of Truck Operator Pre Hour	$ 50.00	per Hr.
Total Operating Cost Per Hour	$ 100.00	per Hr.
Operating Cost Per Minute	$ 1.67	per Min.
Cost Per Cubic Yard	**$ 7.86**	per Cu. Yd.
Loading Cost Per Cubic Yard	**$ 1.56**	per Cu. Yd.

Spreading Cost Per Cubic Yard

Cost of Excavator Per Hour	$ 130.00	per Hr.
Cost of Excavator Operator Per Hour	$ 50.00	per Hr.
Cost of Compaction Equip. Per Hour	$ 50.00	per Hr.
Cost of Compaction Equip. Op. Per Hour	$ 50.00	per Hr.
Total Operating Cost Per Hour	$ 280.00	per Hr.
Cost Per Cubic Yard to Place and Compact	$ 2.33	Cu. Yd.
Total Cost to Load, Haul, and Place	**$ 11.75**	Cu. Yd.

Rates

Dump Truck	Rate ($/Hr.)	Capacity (cy)	Operator ($/Hr.)	Total
B20	$ 70.00	20	$ 50.00	$ 120.00
D10	$ 50.00	12	$ 50.00	$ 100.00
OH25	$ 80.00	25	$ 50.00	$ 130.00

Grader	Rate ($/Hr.)	Operator ($/Hr.)	Total
12-G	$ 55.00	$ 55.00	$ 110.00
14-G	$ 60.00	$ 55.00	$ 115.00

Compaction Equipment	Rate ($/Hr.)	Operator ($/Hr.)	Total
Vibratory Roller	$ 50.00	$ 50.00	$ 100.00
Vib. Grid Roller	$ 50.00	$ 50.00	$ 100.00
Hand Held Compactor	$ 20.00	$ 50.00	$ 70.00

Tractors	Rate ($/Hr.)	Operator ($/Hr.)	Total
D4	$ 35.00	$ 55.00	$ 90.00
D6	$ 60.00	$ 55.00	$ 115.00
D7	$ 70.00	$ 55.00	$ 125.00
D8	$ 110.00	$ 55.00	$ 165.00

Loader	Rate ($/Hr.)	Capacity (cy)	Operator ($/Hr.)	Total
14G Cat Wheel Loader	$ 60.00	3	$ 50.00	$ 110.00
Cat 325 Excavator	$ 130.00	1.5	$ 50.00	$ 180.00

Loading Costs	Rate (Min/Load)	Delay (Min)	Total Loading Time (Min)
Crushed Rock	5	1.25	6.25
Pit-Run/Jaw-Run Rock	5	1.25	6.25
Rip Rap Rock	5	1.25	6.25
Fill Material	5	1.25	6.25

Dump or Spread Time (Min)	
Pile Dump	0.25
Truck Spread	0.5
Spreading w/dozer	5
Place with Excavator	6

TIMBER SALE SUMMARY
Kinney GNA

1. **Location:**, T10S, R5E Sec 19 & 30, W.M, Linn County, Oregon.

2. **Revenue Distribution:** WIL-SPA 23-GN-11061800-019, project GF8723-01 (ODF program revenue)

3. **Type of Sale:** This timber sale has 4 units and 22 dominate tree releases (DTRs). The total sale area is 68 acres of variable density thinning. Of the 68 acres, 5.5 acres are considered heavy thinnings through the use of ¼ acre DTRs. The timber will be sold on a recovery basis at a sealed bid auction.

4. **Sale Acreage:** Acreage was determined by traversing with ESRI ArcPro GIS software. Total sale acreage is 68 acres.

5. **Cruise:** The Timber Sale was cruised by ODF Cruisers in October of 2024. For more information see the Cruise Report.

6. **Volume:** The table below describes the volume by grade over the 4 units sale area. Most of the volume is Douglas-fir with a minor Western hemlock component in unit 3.

7. **Timber Description:** All areas are predominantly Douglas-fir stands with a height range between 70-120' and an average of 13 inches diameter at breast height. The volume per acre is variable with portions of the stands having Western Hemlock, and minor amounts of other tree species. These stands are 48-55 years old, having been harvested between 1966 and 1972. The merchantable species will be mostly Douglas-fir, with some Western Hemlock. The cruise report gives a breakdown of log lengths and scaling diameters by species for the areas in the cruise. Stand management objectives are the remove the smaller trees in suppressed and intermediate canopy positions and to release dominant and co-dominant trees and improve the quality of the residual stand.

8. **Topography and Logging Method:** The elevation for the Timber Sale is between 2,400 feet and 3,500 feet. Slopes within the sale areas range from 5-75%. The Timber Sale Area is 41% ground-based and 59% cable-yarded.

9. **Access:** Heading east towards Detroit dam, turn south from Highway 22 to cross the Detroit dam onto Kinney Creek Road (USFS Rd 2122). For 4.8 miles continue on USFS Rd 2122. Turn right on USFS Rd 634. USFS Rd 634 is the only access to the sale. Stay on this road for 1 mile. There will be a tank trap blocking the road. This will be the location of Unit 1. The rest of the sale area is further passed the tank trap on USFS Rd 634 for another 1 mile. To access the furthest unit travel south for 1 mile from the tank trap until reaching a sod covered spur road to the east. Travel 1 0.8 miles on this road to reach the top of Unit 3.

10. **Projects:** Road improvements and temporary road decommission projects total to $81,640.02. Most of the project work will involve brushing and temporary road and ditch improvement along USFS 634, and rocking landings. It is assumed all landings will be rocked with pit run, no reclaim utilized. There is an existing temporary road which will have to be reconstructed and then decommissioned.

11. **Road Maintenance:** Normal road maintenance during operations.

12. **Other Costs:** Weed washing and slash piling, accounted for in the projects/appraisal.

13. **Slash Disposal:** Purchaser shall pile slash on landings and the tractor ground with an excavator or log loader or alternatively, spread slash throughout the units less than 18" in depth with a goal of 85% ground cover; sorting out firewood is required, utilize pieces of woody debris for down wood in the unit.

OREGON DEPARTMENT of FORESTRY CRUISE REPORT
Kinney GNA

1. **Acreage Calculation:** For the Kinney GNA Timber Sale, there are 68 net cruise acres in the sale area determined by a combination of GPS traverse waypoints and ArcGIS Pro software. Net acres only include all areas of harvest. Care was taken to identify plots within the riparian reserves where a timber cutting restriction of any conifer over 20 inches at DBH. Purchasers may treat low stocked areas following the thinning prescription if sufficient cut species and tree spacing are present.

2. **Cruise Method:** Cruising was completed by ODF during October 2024. A variable plot cruise was conducted on the sale area. A Coefficient of Variation of 65% and an average stand diameter of 12 inches (take trees) is estimated prior to cruising. For sales of this size and approximate value, ODF cruise standards require a sampling error of 12% at a 68% confidence level. The cruise design chosen for this sale is a variable density plot cruise broken up into two strata to account for a difference varying density's and cutting prescriptions between all stands. The silvicultural prescription calls cutting DF only from a 16ft or 17ft radius of the largest/healthiest DF. Trees that are 'likely take' based on the prescription were cruised. For strata 1 (Units 1 and 2(DxD16)) 20BAF was used and for strata 2 (Units 3 and 4 (DxD17)) a 20 BAF was used.

3. **Sampling Intensity**:

   28 Total Plots (13 Measured, 15 Count Plots)

CV (BDFT)	56.65%	(take)
SE (BDFT)	10.71%	(take)

   According to ODF standards, total harvest volume of conifers and hardwoods ("take" trees) is estimated to be 1,148 MBF* ± 123 MBF at the 68% confidence level and a standard error of 10.71%. Sixty-eight times out of 100 the volume estimate will be between 1,025 MBF and 1,271 MBF.

4. **Computation Procedures:** Volume was computed using the SuperAce cruise program. Volumes reported are based on the Scribner Log Rule (West).

5. **Form Factors:** Form factors (a ratio of diameter at 4 and 16 feet) were sampled across the diameter distribution in all strata and all 18 bars of Relaskop were used to determine the form factor of each tree.

6. **Height Standards:** Conifer trees were measured for total height with a laser rangefinder.

7. **Diameter standards:** Diameters were measured outside bark at breast height to the nearest 1/10 inch.

8. **Grading System:** Trees were graded primarily as 40-foot segments lengths and according to the Official Log Scaling and Grading Rules published by the Northwest Log Rules Advisory Group.

9. **Merchantable top:** Conifer were graded to a merchantable top specified by the official log scaling rules. 2S segments were graded to a 12" top inside bark, 3S to a 6" top, and 4S to a 5" top (inside bark).

10. **Deductions for Cull, Defect and Breakage:** All visible field cull was removed in the cruise computation. Additional volume was deducted for the anticipated amount of hidden cull and breakage during logging. The additional estimated volume reduction used for this anticipated loss to volume was 2%.

11. **Cruisers:** Cruising was performed by ODF foresters in the Fall of 2024.

*ODF does not guarantee the volume of this or any other cruise. Prospective purchasers are advised to do their own cruise and sale volume calculations. Additional SuperAce Reports available upon request.

VOLUME SUMMARY
Kinney GNA

Cruise Volume per Acre (bf)						*Adjusted Volume per Acre (bf)*				Net Acres	*Total Adjusted Volume (bf)*			
Unit	Rx/Spp.	2 SAW	3 SAW	4 SAW	Cruise Vol/Ac.	2 SAW	3 SAW	4 SAW	Adjusted Vol/Ac.		2 SAW	3 SAW	4 SAW	Total Volume
1	DxD16-DF	1,513	5,521	6,265	13,299	1,483	5,411	6,140	13,033	**8**	11,862	43,285	49,118	104,264
2	DxD16-DF	641	8,887	7,284	16,812	628	8,709	7,138	16,476	**24**	15,076	209,022	171,320	395,418
3	DxD17-DF	-	6,881	4,595	11,476	-	6,743	4,503	11,246	**8**	-	53,947	36,025	89,972
	DxD17-WH	-	5,853	1,419	7,272	-	5,736	1,391	7,127	**8**	-	45,888	11,125	57,012
4	DxD17-DF	2,143	13,205	2,948	18,296	2,100	12,941	2,889	17,930	**28**	58,804	362,345	80,893	502,042
*Cruise volume includes log segment deductions						*Adjusted for 2% hidden cull and defect					**Net Adjusted Sale Volume**			**1,148,709**

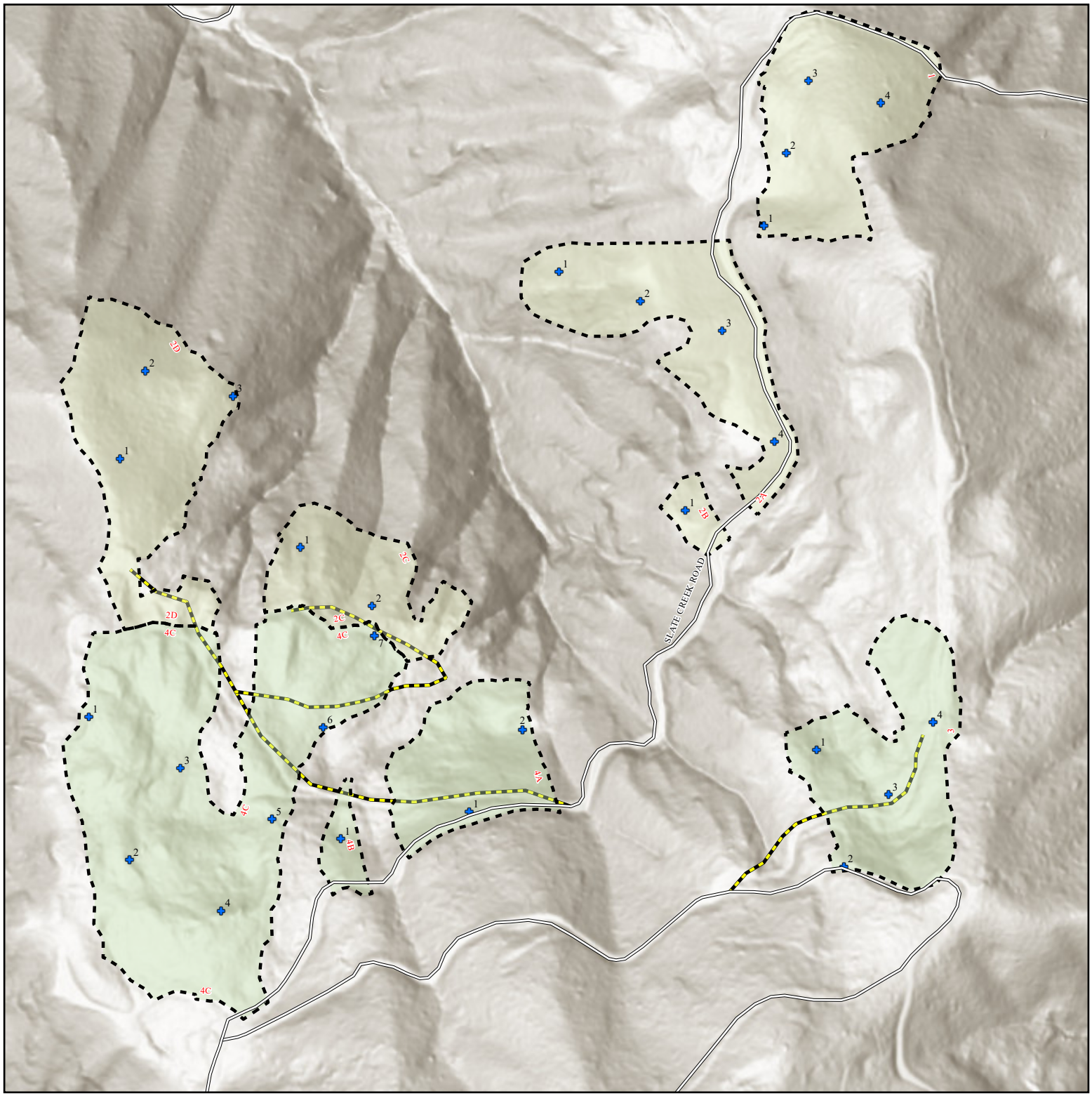
Cruise Volume per Acre (mbf)						*Adjusted Volume per Acre (mbf)*				Net Acres	*Total Adjusted Volume (mbf)*			
Unit	Rx/Spp.	2 SAW	3 SAW	4 SAW	Cruise Vol/Ac.	2 SAW	3 SAW	4 SAW	Adjusted Vol/Ac.		2 SAW	3 SAW	4 SAW	Total Volume
1	DxD16-DF	1.5	5.5	6.3	13.3	1.5	5.4	6.1	13.0	**8**	11.9	43.3	49.1	104.3
2	DxD16-DF	0.6	8.9	7.3	16.8	0.6	8.7	7.1	16.5	**24**	15.1	209.0	171.3	395.4
3	DxD17-DF	-	6.9	4.6	11.5	-	6.7	4.5	11.2	**8**	-	53.9	36.0	90.0
	DxD17-WH	-	5.9	1.4	7.3	-	5.7	1.4	7.1	**8**	-	45.9	11.1	57.0
4	DxD17-DF	2.1	13.2	2.9	18.3	2.1	12.9	2.9	17.9	**28**	58.8	362.3	80.9	502.0
*Cruise volume includes log segment deductions						*Adjusted for 2% hidden cull and defect					**Net Adjusted Sale Volume**			**1,148.7**

SALE VOLUME BY GRADE (bf)				
Species	2 SAW	3 SAW	4 SAW	Total
DF	85,742	668,599	337,355	1,091,696
WH	-	45,888	11,125	57,012
Net Sale Volume	85,742	714,487	348,480	**1,148,709**

SALE VOLUME BY GRADE (mbf)				
Species	2 SAW	3 SAW	4 SAW	Total
DF	85.7	668.6	337.4	1,091.7
WH	-	45.9	11.1	57.0
Net Sale Volume	85.7	714.5	348.5	**1,148.7**

SALE VOLUME BY PERCENT				
Species	2 SAW	3 SAW	4 SAW	Total
DF	7%	58%	29%	95%
WH	0%	4%	1%	5%
Net Sale Volume	7%	62%	30%	**100%**

* ODF does not guarantee the volume of this or any other cruise. Prospective purchasers are advised to do their own cruise and sale. These volumes reflect merchantable saw logs. A small amount of pulp logs could be harvested from the sale area, particularly in the sub-merch pine species.



Legend

GNA Boundary

GNA Boundary

DxD Strata

16

17

GNA Plots

Planned

CRUISE MAP

FOR TIMBER SALE CONTRACT #NC-341-2026-GF8723-01
KINNEY GNA
PORTIONS OF SECTIONS 19 & 30, T10S, R5E, W.M.
LINN COUNTY
USFS DETROIT DISTRICT, WILLAMETTE NATIONAL FOREST

North Cascade District GIS
October, 2024
This product is for informational use and may not be suitable for legal, engineering, or surveying purposes.

APROXIMATE NET

	ACRES	DxD Rx	Cut Spp.
UNIT 1	8	16	DF ONLY
UNIT 2	24	16	DF ONLY
UNIT 3	8	17	DF/WH ONLY
UNIT 4	28	17	DF ONLY
TOTAL	**68**		

N

0 425 850 1,700 US Feet

TC PLOGSTVB

Log Stock Table - MBF

T10S R05E S19 TyTIMB 8.00

Project: KINNEY
Acres 8.00

Page 1
Date 11/4/2024
Time 11:50:08AM

Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF	T	DO	2M	40	12		12	11.4							12					
DF	T	DO	3M	40	44		44	41.5			14	30								
DF	T	DO	4M	16	7		7	6.7	7											
DF	T	DO	4M	18	6		6	6.0	6											
DF	T	DO	4M	25	4		4	3.3	4											
DF	T	DO	4M	34	3		3	3.1	3											
DF	T	DO	4M	38	9		9	8.4	9											
DF	T	DO	4M	39	4		4	4.1	4											
DF	T	DO	4M	40	17		17	15.6	17											
DF		Totals			106		106	46.8	50		14	30			12					
DF	L	DO	2M	40	10		10	10.2						10						
DF	L	DO	3M	40	51		51	52.4			11	30	10							
DF	L	DO	4M	17	5		5	4.8			5									
DF	L	DO	4M	25	4		4	3.9	4											
DF	L	DO	4M	31	10		10	10.5	10											
DF	L	DO	4M	33	9		9	9.2	9											
DF	L	DO	4M	35	2		2	2.3	2											
DF	L	DO	4M	37	3		3	3.3	3											
DF	L	DO	4M	40	3		3	3.5	3											
DF		Totals			97		97	42.6	32		16	30	10	10						
WH	L	DO	2M	40	9		9	35.7						9						
WH	L	DO	3M	40	7		7	30.0				7								
WH	L	DO	4M	18	5		5	19.6	5											
WH	L	DO	4M	29	2		2	7.5	2											
WH	L	DO	4M	40	2		2	7.1	2											
WH		Totals			24		24	10.6	8			7		9						
Total		All Species			227		227	100.0	90		30	67	10	18	12					

PROJECT STATISTICS

PROJECT KINNEY

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
10S	05E	19	U1: DXD16	TIMB	8.00	4	38	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	4	38	9.5		
CRUISE	2	22	11.0	3,288	.7
DBH COUNT					
REFOREST					
COUNT	2	16	8.0		
BLANKS					
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-L	9	138.0	11.4	49	29.1	98.4	12,118	12,118	2,872	2,870
DOUG FIR-T	10	230.6	9.9	39	39.3	124.0	13,299	13,299	3,072	3,068
WHEMLOCK-L	3	42.4	11.0	35	8.4	27.7	3,003	3,003	815	812
TOTAL	*22*	*411.0*	*10.6*	*42*	*77.0*	*250.1*	*28,421*	*28,421*	*6,759*	*6,750*

CONFIDENCE LIMITS OF THE SAMPLE

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

SAMPLE TREES - BF

CL 68.1 SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR-L	71.5	25.2	96	129	161			
DOUG FIR-T	105.2	35.0	64	99	134			
WHEMLOCK-L	80.9	56.0	60	137	213			
TOTAL	*83.0*	*18.1*	*95*	*116*	*137*	*288*	*72*	*32*

SAMPLE TREES - CF

CL 68.1 SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR-L	80.9	28.6	23	32	41			
DOUG FIR-T	112.2	37.3	15	24	33			
WHEMLOCK-L	88.5	61.2	15	39	64			
TOTAL	*90.9*	*19.8*	*24*	*29*	*35*	*346*	*86*	*38*

TREES/ACRE

CL 68.1 SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR-L	87.0	49.7	69	138	207			
DOUG FIR-T	49.1	28.1	166	231	295			
WHEMLOCK-L	85.5	48.8	22	42	63			
TOTAL	*60.5*	*34.6*	*269*	*411*	*553*	*191*	*48*	*21*

BASAL AREA/ACRE

CL 68.1 SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR-L	61.9	35.3	64	98	133			
DOUG FIR-T	43.8	25.0	93	124	155			
WHEMLOCK-L	83.6	47.8	14	28	41			
TOTAL	*41.6*	*23.8*	*191*	*250*	*310*	*90*	*23*	*10*

NET BF/ACRE

CL 68.1 SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR-L	58.2	33.3	8,087	12,118	16,149			
DOUG FIR-T	39.3	22.5	10,312	13,299	16,286			
WHEMLOCK-L	102.6	58.6	1,242	3,003	4,764			
TOTAL	*36.7*	*21.0*	*22,459*	*28,421*	*34,382*	*70*	*18*	*8*

NET CUFT FT/ACRE

CL 68.1 SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR-L	53.3	30.5	1,996	2,870	3,744			
DOUG FIR-T	41.1	23.5	2,348	3,068	3,788			

TC PSTATS

PROJECT STATISTICS

PROJECT KINNEY

DATE 11/4/2024

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
10S	05E	19	U1: DXD16	TIMB	8.00	4	38	S	W

CL 68.1
SD: 1.00

	COEFF VAR.	S.E.%	NET CUFT FT/ACRE LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
WHEMLOCK-L	114.6	65.5	280	812	1,343			
TOTAL	*33.3*	*19.0*	*5,466*	*6,750*	*8,033*	*58*	*14*	*6*

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T10S R05E S19 TyTIMB 8.00

Project: **KINNEY**

Acres **8.00**

Page **1**

Date **11/4/2024**

Time **11:44:36AM**

Spp	S T	So Gr rt 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	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF	T	DO 2M	11		1,513	1,513	12			100					100	40	14	290	1.62	5.2
DF	T	DO 3M	41		5,521	5,521	44		100						100	40	7	83	0.52	66.8
DF	T	DO 4M	48		6,265	6,265	50	100				27	7	7	60	29	5	31	0.23	202.3
DF	**Totals**		47		13,299	13,299	106	47	42	11		13	3	3	81	32	6	48	0.35	274.3
DF	L	DO 2M	10		1,232	1,232	10			100					100	40	13	240	1.55	5.1
DF	L	DO 3M	52		6,346	6,346	51		100						100	40	8	102	0.61	62.0
DF	L	DO 4M	38		4,541	4,541	36	87	13			13	10	59	18	30	5	34	0.26	132.9
DF	**Totals**		43		12,118	12,118	97	33	57	10		5	4	22	69	33	6	61	0.43	200.1
WH	L	DO 2M	35		1,071	1,071	9			100					100	40	12	200	1.37	5.4
WH	L	DO 3M	30		902	902	7		100						100	40	9	120	0.83	7.5
WH	L	DO 4M	35		1,030	1,030	8	100				57	22		21	23	5	24	0.28	42.4
WH	**Totals**		11		3,003	3,003	24	34	30	36		20	8		73	27	6	54	0.55	55.2
Totals					28,421	28,421	227	40	47	13		10	4	11	75	32	6	54	0.40	529.6

TC PSTNDSUM

Stand Table Summary

Page 1

Date: 11/4/2024

T10S R05E S19 TyTIMB 8.00

Project KINNEY

Acres 8.00

Time: 11:44:36AM

Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF	T	7	1	87	69	44.391	12.55	44.39	2.7	20.0	3.37	118	888	27	9	7
DF	T	8	1	85	26	39.625	13.15	39.63	3.6	20.0	4.10	144	793	33	12	6
DF	T	9	3	89	74	79.792	35.72	79.79	9.5	40.0	21.69	761	3,192	174	61	26
DF	T	10	1	86	80	23.086	12.84	23.09	12.8	60.0	8.40	295	1,385	67	24	11
DF	T	12	1	87	94	14.628	12.27	29.26	14.5	60.0	11.99	425	1,755	96	34	14
DF	T	13	1	84	113	13.629	13.15	27.26	17.2	65.0	13.55	470	1,772	108	38	14
DF	T	15	1	89	102	10.228	11.73	20.46	18.4	80.0	10.81	377	1,636	87	30	13
DF	T	21	1	87	112	5.218	12.55	10.44	45.9	180.0	13.64	479	1,879	109	38	15
DF	T	Totals	10	87	71	230.597	123.97	274.30	11.2	48.5	87.56	3,068	13,299	700	245	106
DF	L	8	2	87	64	56.602	21.52	56.60	7.1	34.9	11.49	403	1,978	92	32	16
DF	L	10	1	86	26	19.402	11.01	19.40	6.0	30.0	3.33	117	582	27	9	5
DF	L	12	2	87	104	29.495	21.82	58.99	12.8	54.7	21.45	757	3,225	172	61	26
DF	L	14	2	88	108	20.578	21.52	41.16	19.1	80.0	22.53	785	3,293	180	63	26
DF	L	17	1	86	97	6.823	11.01	13.65	27.5	110.0	10.71	375	1,501	86	30	12
DF	L	20	1	84	110	5.132	11.53	10.26	42.2	150.0	12.35	433	1,540	99	35	12
DF	L	Totals	9	87	77	138.033	98.42	200.06	14.3	60.6	81.85	2,870	12,118	655	230	97
WH	L	7	1	87	26	29.490	8.81	29.49	3.6	20.0	3.43	107	590	27	9	5
WH	L	15	1	84	94	7.519	9.23	15.04	20.7	75.0	10.05	311	1,128	80	25	9
WH	L	18	1	82	104	5.357	9.68	10.71	36.7	120.0	12.60	393	1,286	101	31	10
WH	L	Totals	3	86	48	42.366	27.71	55.24	14.7	54.4	26.08	812	3,003	209	65	24
Totals			22	87	71	410.995	250.10	529.60	12.7	53.7	195.48	6,750	28,421	1,564	540	227

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	19	U1: DXD16	TIMB	8.00	4	37	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S	SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
0001	0001	B1	1	WH	L	1	11.0	16	86	F	35	30		1	xx	24						19	19	71	71
	Count						BA = 27.71				T/A = 42.366											*19*	*19*	*71*	*71*
	0002	B1	1	DF	T	1	9.9	16	87	F	39	20		1	xx	31						13	13	58	58
	Count						BA = 26.10				T/A = 48.547											*13*	*13*	*58*	*58*
	0003	B1	1	DF	T	1	9.9	16	87	F	39	20		1	xx	31						13	13	58	58
	Count						BA = 26.10				T/A = 48.547											*13*	*13*	*58*	*58*
	0004	B1	1	DF	L	1	11.4	16	88	F	49	9		1	xx	32						21	21	88	88
	Count						BA = 26.25				T/A = 36.809											*21*	*21*	*88*	*88*
	0005	B1	1	DF	L	1	11.4	16	88	F	49	9		1	xx	32						21	21	88	88
	Count						BA = 26.25				T/A = 36.809											*21*	*21*	*88*	*88*
	0006	B1	1	DF	T	1	9.9	16	87	F	39	20		1	xx	31						13	13	58	58
	Count						BA = 26.10				T/A = 48.547											*13*	*13*	*58*	*58*
PLOT							BA = 158.50				T/A = 261.623											4,287	4,280	17,866	17,866
0002	0001	B1	1	DF	L	1	20.3	16	85	F	88	110		1	82	40	1	.920	.514	20.40	13.40	62	62	240	240
							BA = 27.68				T/A = 12.316			2	83	40	2	.920	.514	13.40	6.90	22	22	60	60
																						84	*84*	*300*	*300*
	0002	B1	1	DF	T	1	21.0	16	87	F	91	112		1	82	40	1	.920	.514	20.80	14.26	65	65	290	290
							BA = 26.42				T/A = 10.986			2	83	40	2	.920	.514	14.26	7.66	27	27	70	70
																						92	*92*	*360*	*360*
	0003	B1	1	DF	L	1	17.2	16	87	F	75	97		1	83	40	1	.920	.514	16.97	11.21	41	41	180	180
							BA = 26.42				T/A = 16.376			2	84	35	2	.920	.514	11.21	5.05	14	14	40	40
																						55	*55*	*220*	*220*
	0004	B1	1	DF	T	1	14.5	16	90	F	74	102		1	83	40	1	.920	.514	14.00	9.90	27	27	120	120
							BA = 24.69				T/A = 21.532			2	84	34	2	.920	.514	9.90	5.16	10	10	40	40
																						37	*37*	*160*	*160*
	0005	B1	1	WH	L	1	15.0	16	85	F	69	94		1	83	40	1	.944	.542	15.42	9.78	33	33	120	120
							BA = 27.68				T/A = 22.557			2	84	29	2	.944	.542	9.78	5.26	8	8	30	30
																						42	*41*	*150*	*150*
	0006	B1	1	WH	L	1	18.2	16	83	F	82	104		1	82	40	1	.944	.542	19.05	12.00	55	55	200	200
							BA = 29.03				T/A = 16.070			2	84	40	2	.944	.542	12.00	5.66	18	18	40	40
																						74	*73*	*240*	*240*
	0007	B1	1	DF	T	1	7.2	16	87	F	17	69		1	84	16	2	.920	.514	6.91	5.19	3	3	20	20
							BA = 26.42				T/A = 93.454											*3*	*3*	*20*	*20*
PLOT							BA = 188.36				T/A = 193.291											6,120	6,102	23,807	23,807
0003	0001	B1	1	DF	T	1	9.9	16	87	F	39	20		1	xx	31						13	13	58	58
	Count						BA = 26.10				T/A = 48.547											*13*	*13*	*58*	*58*
	0002	B1	1	DF	L	1	11.4	16	88	F	49	9		1	xx	32						21	21	88	88
	Count						BA = 26.25				T/A = 36.809											*21*	*21*	*88*	*88*
	0003	B1	1	DF	T	1	9.9	16	87	F	39	20		1	xx	31						13	13	58	58
	Count						BA = 26.10				T/A = 48.547											*13*	*13*	*58*	*58*
	0004	B1	1	DF	T	1	9.9	16	87	F	39	20		1	xx	31						13	13	58	58
	Count						BA = 26.10				T/A = 48.547											*13*	*13*	*58*	*58*
	0005	B1	1	DF	L	1	11.4	16	88	F	49	9		1	xx	32						21	21	88	88
	Count						BA = 26.25				T/A = 36.809											*21*	*21*	*88*	*88*
	0006	B1	1	DF	T	1	9.9	16	87	F	39	20		1	xx	31						13	13	58	58
	Count						BA = 26.10				T/A = 48.547											*13*	*13*	*58*	*58*
	0007	B1	1	DF	L	1	11.4	16	88	F	49	9		1	xx	32						21	21	88	88
	Count						BA = 26.25				T/A = 36.809											*21*	*21*	*88*	*88*
	0008	B1	1	DF	T	1	9.9	16	87	F	39	20		1	xx	31						13	13	58	58

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	19	U1: DXD16	TIMB	8.00	4	37	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S	SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
				Count			BA = 26.10				T/A = 48.547											*13*	*13*	*58*	*58*
0003	0009	B1	1	DF	L	1	11.4	16	88	F	49	9		1	xx	32						21	21	88	88
				Count			BA = 26.25				T/A = 36.809											*21*	*21*	*88*	*88*
	0010	B1	1	DF	T	1	9.9	16	87	F	39	20		1	xx	31						13	13	58	58
				Count			BA = 26.10				T/A = 48.547											*13*	*13*	*58*	*58*
PLOT							BA = 261.57				T/A = 438.515											6,944	6,937	29,725	29,725
0004	0001	B1	1	DF	L	1	14.0	16	88	F	77	105		1	83	40	1	.920	.514	13.75	9.53	27	27	120	120
							BA = 25.83				T/A = 24.159				84	37	2	.920	.514	9.53	5.22	11	11	40	40
																						38	*38*	*160*	*160*
	0002	B1	1	DF	T	1	10.1	16	86	F	47	80		1	83	40	2	.920	.514	9.98	6.12	13	13	60	60
							BA = 27.04				T/A = 48.603											*13*	*13*	*60*	*60*
	0003	B1	1	DF	T	1	13.3	16	85	F	79	113		1	83	40	1	.920	.514	13.39	8.91	25	25	90	90
							BA = 27.68				T/A = 28.692				84	39	2	.920	.514	8.91	5.28	9	9	40	40
																						35	*34*	*130*	*130*
	0004	B1	1	DF	L	1	13.7	16	88	F	80	110		1	83	40	1	.920	.514	13.48	9.45	27	27	120	120
							BA = 25.83				T/A = 25.229				84	40	2	.920	.514	9.45	5.25	12	12	40	40
																						39	*39*	*160*	*160*
	0005	B1	1	DF	L	1	10.2	16	87	H	18	26		1	84	17	2	.920	.514	9.79	7.35	6	6	30	30
							BA = 26.42				T/A = 46.565											*6*	*6*	*30*	*30*
	0006	B1	1	DF	T	1	9.3	16	90	F	44	78		1	84	40	2	.920	.514	8.90	5.81	10	10	40	40
							BA = 24.69				T/A = 52.342											*10*	*10*	*40*	*40*
	0007	B1	1	DF	T	1	8.8	16	90	F	38	71		1	84	38	2	.920	.514	8.38	5.42	9	9	40	40
							BA = 24.69				T/A = 58.459											*9*	*9*	*40*	*40*
	0008	B1	1	DF	L	1	8.4	16	88	F	33	66		1	84	33	2	.920	.514	8.11	5.43	8	8	40	40
							BA = 25.83				T/A = 67.109											*8*	*8*	*40*	*40*
	0009	B1	1	DF	L	1	8.3	16	88	F	31	62		1	84	31	2	.920	.514	7.99	5.42	6	6	30	30
							BA = 25.83				T/A = 68.736											*6*	*6*	*30*	*30*
	0010	B1	1	DF	L	1	11.6	16	85	F	65	102		1	83	40	1	.920	.514	11.64	7.56	19	19	70	70
							BA = 27.68				T/A = 37.718				84	25	2	.920	.514	7.56	5.31	5	5	30	30
																						24	*24*	*100*	*100*
	0011	B1	1	DF	L	1	11.7	16	90	F	71	106		1	83	40	1	.920	.514	11.32	8.17	20	20	90	90
							BA = 24.69				T/A = 33.071				84	31	2	.920	.514	8.17	5.30	8	8	30	30
																						28	*28*	*120*	*120*
	0012	B1	1	DF	T	1	9.1	16	88	F	40	74		1	84	40	2	.920	.514	8.83	5.42	10	10	40	40
							BA = 25.83				T/A = 57.181											*10*	*10*	*40*	*40*
	0013	B1	1	DF	T	1	12.4	16	88	F	65	94		1	83	40	1	.920	.514	12.14	8.17	23	23	90	90
							BA = 25.83				T/A = 30.796				84	25	2	.920	.514	8.17	5.24	6	6	30	30
																						29	*29*	*120*	*120*
	0014	B1	1	WH	L	1	7.4	16	87	F	18	26		1	84	18	2	.944	.542	7.29	5.11	4	4	20	20
							BA = 26.42				T/A = 88.471											*4*	*4*	*20*	*20*
	0015	B1	1	DF	T	1	7.8	16	85	F	18	26		1	84	18	2	.920	.514	7.53	5.13	4	4	20	20
							BA = 27.68				T/A = 83.421											*4*	*4*	*20*	*20*
PLOT							BA = 391.97				T/A = 750.553											9,685	9,680	42,285	42,285
TYPE							BA = 250.10				T/A = 410.995											6,759	6,750	28,421	28,421

TC PLOGSTVB

Log Stock Table - MBF

T10S R05E S19 TyTIMB 24.00

Project: KINNEY
Acres 24.00

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Date 11/4/2024
Time 11:52:51AM

Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF	T	DO	2M	40	15		15	3.8						15						
DF	T	DO	3M	30	10		10	2.4				10								
DF	T	DO	3M	40	203		203	50.4			110	60	33							
DF	T	DO	4M	12	2		2	.6		2										
DF	T	DO	4M	13	1		1	.2		1										
DF	T	DO	4M	17	3		3	.8		3										
DF	T	DO	4M	18	3		3	.8		3										
DF	T	DO	4M	24	35		35	8.6		35										
DF	T	DO	4M	28	11		11	2.6		11										
DF	T	DO	4M	31	15		15	3.6		15										
DF	T	DO	4M	32	25		25	6.2		25										
DF	T	DO	4M	36	36		36	8.8		36										
DF	T	DO	4M	39	4		4	1.1		4										
DF	T	DO	4M	40	40		40	9.9		40										
DF		Totals			403		403	60.1		175	110	70	33	15						
DF	L	DO	2M	40	55		55	22.2						35	20					
DF	L	DO	3M	38	6		6	2.5			6									
DF	L	DO	3M	40	168		168	67.6			46	67	55							
DF	L	DO	4M	14	1		1	.6		1										
DF	L	DO	4M	19	1		1	.6		1										
DF	L	DO	4M	23	4		4	1.5		4										
DF	L	DO	4M	27	5		5	2.0		5										
DF	L	DO	4M	30	8		8	3.0		8										
DF		Totals			248		248	36.9		19	52	67	55	35	20					
RC	L	DO	3M	40	17		17	81.8				17								
RC	L	DO	4M	18	4		4	18.2		4										
RC		Totals			20		20	3.0		4		17								
Total		All Species			672		672	100.0		198	162	154	88	50	20					

TC PSTATS

PROJECT STATISTICS

PROJECT KINNEY

DATE 11/4/2024

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
10S	05E	19	U2: DXD16	TIMB	24.00	10	96	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	10	96	9.6		
CRUISE	4	41	10.3	9,072	.5
DBH COUNT					
REFOREST					
COUNT	6	55	9.2		
BLANKS					
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-L	12	70.1	14.2	66	20.4	76.9	10,330	10,330	2,574	2,567
DOUG FIR-T	26	281.3	9.9	43	47.5	149.1	16,811	16,811	3,860	3,876
WR CEDAR-L	1	7.7	14.6	58	2.3	8.9	844	844	275	276
R ALDER-L	2	18.9	7.6	31	2.1	5.9				
TOTAL	*41*	*378.0*	*10.8*	*47*	*73.3*	*240.8*	*27,986*	*27,986*	*6,709*	*6,719*

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

SAMPLE TREES - BF

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR-L	56.6	17.0	153	185	217			
DOUG FIR-T	81.8	16.4	72	86	100			
WR CEDAR-L								
R ALDER-L								
TOTAL	*84.1*	*13.1*	*97*	*111*	*126*	*282*	*71*	*31*

CL 68.1 SD: 1.0

SAMPLE TREES - CF

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR-L	54.3	16.4	38	46	53			
DOUG FIR-T	85.4	17.1	17	21	24			
WR CEDAR-L								
R ALDER-L								
TOTAL	*84.5*	*13.2*	*24*	*27*	*31*	*285*	*71*	*32*

CL 68.1 SD: 1.0

TREES/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR-L	47.3	15.8	59	70	81			
DOUG FIR-T	62.4	20.8	223	281	340			
WR CEDAR-L	225.0	74.9	2	8	13			
R ALDER-L	316.2	105.2		19	39			
TOTAL	*42.2*	*14.0*	*325*	*378*	*431*	*79*	*20*	*9*

CL 68.1 SD: 1.0

BASAL AREA/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR-L	49.6	16.5	64	77	90			
DOUG FIR-T	61.4	20.4	119	149	180			
WR CEDAR-L	225.0	74.9	2	9	16			
R ALDER-L	316.2	105.2		6	12			
TOTAL	*41.5*	*13.8*	*208*	*241*	*274*	*76*	*19*	*8*

CL 68.1 SD: 1.0

NET BF/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR-L	54.3	18.1	8,463	10,330	12,197			
DOUG FIR-T	61.4	20.4	13,375	16,811	20,248			
WR CEDAR-L	225.0	74.9	212	844	1,476			
R ALDER-L								

TC PSTATS

PROJECT STATISTICS

PROJECT KINNEY

DATE 11/4/2024

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
10S	05E	19	U2: DXD16	TIMB	24.00	10	96	S	W

CL 68.1	COEFF		NET BF/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.00	VAR.	S.E.%	LOW	AVG	HIGH	5	10	15
TOTAL	*49.1*	*16.4*	*23,409*	*27,986*	*32,562*	*107*	*27*	*12*

CL 68.1	COEFF		NET CUFT FT/ACRE			# OF PLOTS REQ.		INF. POP.
SD: 1.0	VAR.%	S.E.%	LOW	AVG	HIGH	5	10	15
DOUG FIR-L	53.2	17.7	2,113	2,567	3,021			
DOUG FIR-T	61.4	20.4	3,084	3,876	4,668			
WR CEDAR-L	225.0	74.9	69	276	483			
R ALDER-L								
TOTAL	*47.8*	*15.9*	*5,651*	*6,719*	*7,787*	*101*	*25*	*11*

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T10S R05E S19 TyTIMB 24.00

Project: **KINNEY**

Acres **24.00**

Page **1**

Date **11/4/2024**

Time **11:52:52AM**

Spp	ST	So Grad	% 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	21-30	31-35	36-99	Average Log: Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF	T	DO 2M	3		641	641	15			100					100	40	12	200	1.17	3.2
DF	T	DO 3M	53		8,887	8,887	213		100				5		95	39	7	80	0.49	110.8
DF	T	DO 4M	44		7,284	7,284	175	100				6	26	23	46	30	5	32	0.23	228.9
DF	**Totals**		60		16,811	16,811	403	43	53	4		2	14	10	74	33	6	49	0.34	343.0
DF	L	DO 2M	22		2,290	2,290	55			100					100	40	13	241	1.34	9.5
DF	L	DO 3M	70		7,245	7,245	174		100						100	40	8	92	0.59	78.8
DF	L	DO 4M	8		795	795	19	100				15	85			24	5	23	0.27	34.1
DF	**Totals**		37		10,330	10,330	248	8	70	22		1	7		92	35	7	84	0.59	122.4
RC	L	DO 3M	81		691	691	17		100						100	40	8	90	0.80	7.7
RC	L	DO 4M	19		154	154	4	100				100				18	5	20	0.22	7.7
RC	**Totals**		3		844	844	20	18	82			18			82	29	7	55	0.62	15.4
Totals					27,986	27,986	672	29	60	10		2	11	6	81	34	6	58	0.42	480.7

TC PSTNDSUM

Stand Table Summary

Page 1
Date: 11/4/2024

T10S R05E S19 TyTIMB 24.00

Project KINNEY
Acres 24.00

Time: 11:52:52AM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF	T	7	2	86	54	41.606	11.59	41.61	4.4	30.0	5.22	183	1,248	125	44	30
DF	T	8	4	86	67	67.002	23.17	67.00	7.2	34.8	13.70	481	2,331	329	115	56
DF	T	9	5	87	64	66.921	28.73	66.92	9.2	38.9	17.34	615	2,604	416	148	62
DF	T	10	5	87	75	51.658	28.84	62.04	11.3	48.4	19.61	699	3,000	471	168	72
DF	T	12	1	88	78	6.862	5.66	6.86	15.1	60.0	2.96	104	412	71	25	10
DF	T	13	3	87	81	19.617	17.26	39.23	13.0	50.0	14.47	508	1,960	347	122	47
DF	T	14	3	88	99	16.069	16.99	32.14	19.2	78.4	17.65	617	2,518	424	148	60
DF	T	15	1	88	100	4.435	5.66	8.87	24.1	95.0	6.16	214	843	148	51	20
DF	T	16	1	89	116	3.964	5.54	11.89	19.9	86.7	6.66	236	1,031	160	57	25
DF	T	18	1	88	109	3.204	5.66	6.41	34.0	135.0	6.24	218	865	150	52	21
DF	T	Totals	26	87	71	281.339	149.09	342.97	11.3	49.0	110.00	3,876	16,811	2,640	930	403
DF	L	11	2	86	69	20.816	13.21	20.82	14.8	60.0	8.80	309	1,249	211	74	30
DF	L	13	2	86	88	14.703	13.21	29.41	15.0	57.4	12.58	441	1,687	302	106	40
DF	L	14	2	88	79	11.574	12.63	23.15	15.9	62.0	10.63	369	1,434	255	89	34
DF	L	15	1	89	88	4.899	6.17	9.80	21.1	90.0	5.94	207	882	142	50	21
DF	L	17	2	87	108	8.639	13.06	17.28	28.9	120.0	14.24	499	2,073	342	120	50
DF	L	18	1	90	107	3.417	6.17	6.83	33.3	130.0	6.51	228	888	156	55	21
DF	L	19	1	89	105	3.206	6.31	6.41	38.2	150.0	6.96	245	962	167	59	23
DF	L	20	1	89	118	2.887	6.17	8.66	31.2	133.3	7.71	270	1,155	185	65	28
DF	L	Totals	12	87	86	70.140	76.95	122.35	21.0	84.4	73.36	2,567	10,330	1,761	616	248
RC	L	15	1	81	73	7.675	8.92	15.35	18.0	55.0	6.47	276	844	155	66	20
RC	L	Totals	1	81	73	7.675	8.92	15.35	18.0	55.0	6.47	276	844	155	66	20
RA	L	7	1	81	86	11.130	2.97									
RA	L	8	1	82	63	7.727	2.90									
RA	L	Totals	2	81	77	18.856	5.88									
Totals			41	86	74	378.011	240.84	480.68	14.0	58.2	189.84	6,719	27,986	4,556	1,613	672

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	19	U2: DXD16	TIMB	24.00	10	96	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S	SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
0001	0001	B1	1	DF	L	1	14.2	16	88	F	66	86		1	xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380											*37*	*37*	*147*	*147*
	0003	B1	1	DF	L	1	14.2	16	88	F	66	86		1	xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380											*37*	*37*	*147*	*147*
	0006	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0008	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0011	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
PLOT							BA = 129.77				T/A = 194.833											3,748	3,751	15,735	15,735
0002	0001	B1	1	DF	L	1	18.2	16	90	F	89	107		1	82	40	1	.920	.514	17.63	12.80	47	47	200	200
							BA = 24.69				T/A = 13.667			2	83	40	2	.920	.514	12.80	6.96	20	20	60	60
																						67	*67*	*260*	*260*
	0002	B1	1	DF	T	1	7.0	16	87	F	25	62		1	84	24	2	.920	.514	6.79	5.04	4	4	30	30
							BA = 26.42				T/A = 98.871											*4*	*4*	*30*	*30*
	0003	B1	1	DF	T	1	18.0	16	88	F	90	109		1	82	40	1	.920	.514	17.71	12.44	47	47	200	200
							BA = 25.83				T/A = 14.615			2	83	40	2	.920	.514	12.44	7.03	21	21	70	70
																						68	*68*	*270*	*270*
	0004	B1	1	DF	T	1	13.5	16	88	F	80	107		1	83	40	1	.920	.514	13.28	9.33	27	27	120	120
							BA = 25.83				T/A = 25.982			2	84	40	2	.920	.514	9.33	5.26	12	12	40	40
																						39	*39*	*160*	*160*
	0005	B1	1	DF	T	1	8.4	16	87	F	36	65		1	84	36	2	.920	.514	8.24	5.45	9	9	40	40
							BA = 26.42				T/A = 68.660											*9*	*9*	*40*	*40*
	0006	B1	1	DF	L	1	16.5	16	88	F	91	113		1	83	40	1	.920	.514	16.25	11.51	41	41	180	180
							BA = 25.83				T/A = 17.393			2	83	40	2	.920	.514	11.51	6.94	17	17	60	60
																						58	*58*	*240*	*240*
	0007	B1	1	DF	L	1	19.8	16	90	F	100	118		1	82	40	1	.920	.514	19.23	14.23	61	61	290	290
							BA = 24.69				T/A = 11.547			2	83	40	1	.920	.514	14.23	8.97	28	28	90	90
														3	84	19	2	.920	.514	8.97	5.07	5	5	20	20
																						94	*94*	*400*	*400*
	0008	B1	1	DF	T	1	16.0	16	89	F	93	116		1	83	40	1	.920	.514	15.65	11.36	38	38	180	180
							BA = 25.25				T/A = 18.084			2	83	40	1	.920	.514	11.36	7.13	19	19	70	70
														3	84	13	2	.920	.514	7.13	5.03	3	3	10	10
																						59	*60*	*260*	*260*
	0009	B1	1	DF	L	1	16.8	16	87	F	83	103		1	83	40	1	.920	.514	16.63	11.32	41	41	180	180
							BA = 26.42				T/A = 17.165			2	83	38	2	.920	.514	11.32	6.08	16	16	60	60
																						57	*57*	*240*	*240*
	0010	B1	1	DF	T	1	10.0	16	88	F	52	81		1	83	40	1	.920	.514	9.77	6.47	13	13	60	60
							BA = 25.83				T/A = 47.352			2	84	12	2	.920	.514	6.47	5.33	2	2	10	10
																						15	*15*	*70*	*70*
	0011	B1	1	DF	L	1	10.5	16	87	F	48	72		1	83	40	2	.920	.514	10.28	6.32	15	15	60	60
							BA = 26.42				T/A = 43.943											*15*	*15*	*60*	*60*
	0012	B1	1	DF	T	1	7.9	16	87	F	32	62		1	84	32	2	.920	.514	7.77	5.46	6	6	30	30
							BA = 26.42				T/A = 77.627											*6*	*6*	*30*	*30*
	0013	B1	1	DF	T	1	14.3	16	88	F	76	98		1	83	40	1	.920	.514	14.04	9.67	30	30	120	120
							BA = 25.83				T/A = 23.156			2	84	36	2	.920	.514	9.67	5.20	10	10	40	40
																						41	*40*	*160*	*160*
PLOT							BA = 335.88				T/A = 478.061											10,854	10,854	46,969	46,969
0003	0001	B1	1	DF	L	1	14.2	16	88	F	66	86		1	xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380											*37*	*37*	*147*	*147*
	0002	B1	1	DF	L	1	14.2	16	88	F	66	86		1	xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380											*37*	*37*	*147*	*147*

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	19	U2: DXD16	TIMB	24.00	10	96	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S	SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
0003	0003	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0004	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0005	B1	1	DF	L	1	14.2	16	88	F	66	86		1	xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380											*37*	*37*	*147*	*147*
	0006	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0007	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0008	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0009	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0010	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0011	B1	1	DF	L	1	14.2	16	88	F	66	86		1	xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380											*37*	*37*	*147*	*147*
	0012	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0013	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0014	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0015	B1	1	DF	L	1	14.2	16	88	F	66	86		1	xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380											*37*	*37*	*147*	*147*
	0016	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
PLOT							BA = 415.96				T/A = 659.835											11,739	11,758	49,660	49,660
0004	0001	B1	1	DF	L	1	14.0	16	88	F	54	69		1	83	40	2	.920	.514	13.55	8.11	25	25	90	90
							BA = 25.83				T/A = 24.159				284	14	1	.920	.514	8.11	5.03	3	3	10	10
																						29	*28*	*100*	*100*
	0002	B1	1	RA	L	1	8.3	16	83	H	35	63						.953	.551						
							BA = 29.03				T/A = 77.266														
	0003	B1	1	RA	L	1	7.0	16	82	H	28	86						.953	.551						
							BA = 29.74				T/A = 111.296														
PLOT							BA = 84.60				T/A = 212.721											696	687	2,416	2,416
0005	0001	B1	1	DF	L	1	14.2	16	88	F	66	86		1	xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380											*37*	*37*	*147*	*147*
	0002	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0003	B1	1	DF	L	1	14.2	16	88	F	66	86		1	xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380											*37*	*37*	*147*	*147*

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	19	U2: DXD16	TIMB	24.00	10	96	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
0005	0004	B1	1	DF	T	1	9.9	16	87	F	43	71		1 xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358										*14*	*14*	*60*	*60*
	0005	B1	1	DF	L	1	14.2	16	88	F	66	86		1 xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380										*37*	*37*	*147*	*147*
	0006	B1	1	DF	T	1	9.9	16	87	F	43	71		1 xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358										*14*	*14*	*60*	*60*
	0007	B1	1	DF	T	1	9.9	16	87	F	43	71		1 xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358										*14*	*14*	*60*	*60*
	0008	B1	1	DF	T	1	9.9	16	87	F	43	71		1 xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358										*14*	*14*	*60*	*60*
	0009	B1	1	DF	L	1	14.2	16	88	F	66	86		1 xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380										*37*	*37*	*147*	*147*
PLOT							BA = 233.37				T/A = 340.309										6,818	6,822	28,520	28,520
0006	0001	B1	1	RC	L	1	14.6	16	82	F	58	73		1 xx	29						36	36	110	110
	Count						BA = 29.74				T/A = 25.584										*36*	*36*	*110*	*110*
	0002	B1	1	DF	L	1	14.2	16	88	F	66	86		1 xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380										*37*	*37*	*147*	*147*
	0003	B1	1	DF	T	1	9.9	16	87	F	43	71		1 xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358										*14*	*14*	*60*	*60*
	0004	B1	1	DF	L	1	14.2	16	88	F	66	86		1 xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380										*37*	*37*	*147*	*147*
	0005	B1	1	DF	T	1	9.9	16	87	F	43	71		1 xx	33						14	14	60	60
	Count						BA = 26.16				T/A = 49.358										*14*	*14*	*60*	*60*
	0006	B1	1	DF	L	1	14.2	16	88	F	66	86		1 xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380										*37*	*37*	*147*	*147*
	0007	B1	1	DF	L	1	14.2	16	88	F	66	86		1 xx	36						37	37	147	147
	Count						BA = 25.65				T/A = 23.380										*37*	*37*	*147*	*147*
	0008	B1	1	RC	L	1	14.6	16	82	F	58	73		1 xx	29						36	36	110	110
	Count						BA = 29.74				T/A = 25.584										*36*	*36*	*110*	*110*
PLOT							BA = 214.40				T/A = 243.404										6,623	6,624	25,301	25,301
0007	0001	B1	1	DF	T	1	9.1	16	88	F	46	78		1 84	40	2	.920	.514	8.89	5.89	10	10	40	40
							BA = 25.83				T/A = 57.181										*10*	*10*	*40*	*40*
	0002	B1	1	DF	T	1	7.3	16	87	F	24	46		1 84	24	2	.920	.514	7.04	5.18	5	5	30	30
							BA = 26.42				T/A = 90.911										*5*	*5*	*30*	*30*
	0003	B1	1	DF	T	1	7.9	16	87	F	36	73		1 84	36	2	.920	.514	7.81	5.47	7	7	40	40
							BA = 26.42				T/A = 77.627										*7*	*7*	*40*	*40*
	0004	B1	1	DF	L	1	12.5	16	87	F	63	86		1 83	40	1	.920	.514	12.32	8.05	23	23	90	90
							BA = 26.42				T/A = 31.006			284	23	2	.920	.514	8.05	5.23	6	6	20	20
																					28	*29*	*110*	*110*
	0005	B1	1	DF	T	1	15.3	16	88	F	79	100		1 83	40	1	.920	.514	15.02	10.37	35	35	150	150
							BA = 25.83				T/A = 20.228			284	39	2	.920	.514	10.37	5.17	13	13	40	40
																					49	*48*	*190*	*190*
	0006	B1	1	DF	T	1	12.3	16	88	F	57	78		1 83	30	2	.920	.514	11.98	8.71	15	15	60	60
							BA = 25.83				T/A = 31.299			200	24		.920	.514	8.71	5.83				
																					15	*15*	*60*	*60*
	0007	B1	1	DF	T	1	7.7	16	87	F	32	67		1 84	32	2	.920	.514	7.61	5.48	6	6	30	30
							BA = 26.42				T/A = 81.711										*6*	*6*	*30*	*30*

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	19	U2: DXD16	TIMB	24.00	10	96	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S	SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
0007	0008	B1	1	DF	L	1	19.0	16	89	F	88	105		1	82	40	1	.920	.514	18.53	13.15	54	54	240	240
							BA = 25.25				T/A = 12.824			2	83	40	2	.920	.514	13.15	6.85	22	22	60	60
																						76	*76*	*300*	*300*
	0009	B1	1	DF	T	1	8.9	16	87	F	44	77		1	84	40	2	.920	.514	8.77	5.73	10	10	40	40
							BA = 26.42				T/A = 61.162											*10*	*10*	*40*	*40*
	0010	B1	1	DF	T	1	10.1	16	87	F	48	73		1	83	40	1	.920	.514	9.91	6.22	13	13	60	60
							BA = 26.42				T/A = 47.492											*13*	*13*	*60*	*60*
	0011	B1	1	RC	L	1	14.6	16	82	F	58	73		1	83	40	1	.951	.497	15.35	8.57	32	32	90	90
							BA = 29.74				T/A = 25.584			2	84	18	1	.951	.497	8.57	5.29	4	4	20	20
																						36	*36*	*110*	*110*
	0012	B1	1	DF	T	1	10.4	16	87	F	50	76		1	83	40	1	.920	.514	10.21	6.44	15	15	60	60
							BA = 26.42				T/A = 44.792											*15*	*15*	*60*	*60*
	0013	B1	1	DF	L	1	13.2	16	87	F	67	90		1	83	40	1	.920	.514	13.02	8.60	25	25	90	90
							BA = 26.42				T/A = 27.805			2	84	27	2	.920	.514	8.60	5.22	7	7	30	30
																						32	*32*	*120*	*120*
PLOT							BA = 343.86				T/A = 609.622											9,071	9,085	37,684	37,684
0008	0001	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
				Count			BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0002	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
				Count			BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0003	B1	1	DF	L	1	14.2	16	88	F	66	86		1	xx	36						37	37	147	147
				Count			BA = 25.65				T/A = 23.380											*37*	*37*	*147*	*147*
The below entry did not match on species, status or dbh																									
	0004	B1	1	WH	L	1	10.4																		
	0005	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
				Count			BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0006	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
				Count			BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
	0007	B1	1	DF	T	1	9.9	16	87	F	43	71		1	xx	33						14	14	60	60
				Count			BA = 26.16				T/A = 49.358											*14*	*14*	*60*	*60*
The below entry did not match on species, status or dbh																									
	0008	B1	1	WH	L	1	14.3																		
PLOT							BA = 156.43				T/A = 270.169											4,244	4,255	18,190	18,190
0009	0001	B1	1	DF	T	1	8.5	16	87	F	28	44		1	84	28	2	.920	.514	8.16	5.39	7	7	30	30
							BA = 26.42				T/A = 67.054											*7*	*7*	*30*	*30*
	0002	B1	1	DF	L	1	14.3	16	90	F	70	90		1	83	40	1	.920	.514	13.78	9.60	27	27	120	120
							BA = 24.69				T/A = 22.138			2	84	30	2	.920	.514	9.60	5.15	9	9	30	30
																						36	*36*	*150*	*150*
	0003	B1	1	DF	T	1	14.0	16	88	F	71	92		1	83	40		.920	.514	13.72	9.30	27	27	120	120
							BA = 25.83				T/A = 24.159			2	84	31	2	.920	.514	9.30	5.19	9	9	30	30
																						36	*36*	*150*	*150*
	0004	B1	1	DF	T	1	10.1	16	88	F	44	65		1	84	40	1	.920	.514	9.78	5.89	12	12	40	40
							BA = 25.83				T/A = 46.419											*12*	*12*	*40*	*40*
	0005	B1	1	DF	L	1	15.2	16	90	F	70	88		1	83	40	1	.920	.514	14.63	10.11	32	32	150	150
							BA = 24.69				T/A = 19.594			2	84	30	2	.920	.514	10.11	5.09	10	10	30	30
																						43	*42*	*180*	*180*
	0006	B1	1	DF	T	1	12.7	16	86	F	57	77		1	83	40	1	.920	.514	12.56	7.72	21	21	70	70
							BA = 27.04				T/A = 30.740			2	84	17	2	.920	.514	7.72	5.19	3	3	20	20
																						24	*24*	*90*	*90*

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	19	U2: DXD16	TIMB	24.00	10	96	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
0009	0007	B1	1	DF	T	1	10.0	16	86	F	50	78		1 83	40	2	.920	.514	9.92	6.29	13	13	60	60
							BA = 27.04				T/A = 49.580										*13*	*13*	*60*	*60*
	0008	B1	1	DF	T	1	9.4	16	90	F	48	77		1 83	40	2	.920	.514	9.03	6.13	13	13	60	60
							BA = 24.69				T/A = 51.234										*13*	*13*	*60*	*60*
	0009	B1	1	DF	T	1	12.5	16	89	F	64	87		1 83	40	2	.920	.514	12.13	8.24	23	23	90	90
							BA = 25.25				T/A = 29.628			2 84	24	1	.920	.514	8.24	5.22	6	6	30	30
																					29	*29*	*120*	*120*
	0010	B1	1	DF	T	1	8.6	16	85	F	31	52		1 84	31	1	.920	.514	8.47	5.42	8	8	30	30
							BA = 27.68				T/A = 68.623										*8*	*8*	*30*	*30*
	0011	B1	1	DF	T	1	12.9	16	87	F	58	78		1 83	40	1	.920	.514	12.66	7.94	21	21	70	70
							BA = 26.42				T/A = 29.113			2 84	18	2	.920	.514	7.94	5.17	4	4	20	20
																					25	*25*	*90*	*90*
	0012	B1	1	DF	L	1	11.1	16	87	F	46	65		1 83	40	2	.920	.514	10.82	6.26	15	15	60	60
							BA = 26.42				T/A = 39.320										*15*	*15*	*60*	*60*
PLOT							BA = 312.01				T/A = 477.603										8,199	8,242	33,749	33,749
0010	0001	B1	1	DF	T	1	9.9	16	87	F	43	71		1 xx	33						14	14	60	60
				Count			BA = 26.16				T/A = 49.358										*14*	*14*	*60*	*60*
	0002	B1	1	DF	T	1	9.9	16	87	F	43	71		1 xx	33						14	14	60	60
				Count			BA = 26.16				T/A = 49.358										*14*	*14*	*60*	*60*
	0003	B1	1	DF	T	1	9.9	16	87	F	43	71		1 xx	33						14	14	60	60
				Count			BA = 26.16				T/A = 49.358										*14*	*14*	*60*	*60*
	0004	B1	1	DF	T	1	9.9	16	87	F	43	71		1 xx	33						14	14	60	60
				Count			BA = 26.16				T/A = 49.358										*14*	*14*	*60*	*60*
The below entry did not match on species, status or dbh																								
	0005	B1	1	WH	L	1	7.7																	
The below entry did not match on species, status or dbh																								
	0006	B1	1	WH	L	1	9.3																	
	0007	B1	1	DF	L	1	14.2	16	88	F	66	86		1 xx	36						37	37	147	147
				Count			BA = 25.65				T/A = 23.380										*37*	*37*	*147*	*147*
	0008	B1	1	DF	T	1	9.9	16	87	F	43	71		1 xx	33						14	14	60	60
				Count			BA = 26.16				T/A = 49.358										*14*	*14*	*60*	*60*
	0009	B1	1	DF	L	1	14.2	16	88	F	66	86		1 xx	36						37	37	147	147
				Count			BA = 25.65				T/A = 23.380										*37*	*37*	*147*	*147*
PLOT							BA = 182.08				T/A = 293.549										5,102	5,111	21,633	21,633
TYPE							BA = 240.84				T/A = 378.011										6,709	6,719	27,986	27,986

TC PLOGSTVB

Log Stock Table - MBF

T10S R05E S30 TyTIMB 8.00

Project: KINNEY
Acres 8.00

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Date 11/4/2024
Time 11:57:26AM

Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3 4-5	6-7 8-9	10-11 12-13	14-15 16-19	20-23 24-29	30-39 40+
DF	L	DO	2M	40	16		16	17.7				16		
DF	L	DO	3M	40	61		61	66.4		18	43			
DF	L	DO	4M	15	1		1	1.2	1					
DF	L	DO	4M	25	3		3	3.1	3					
DF	L	DO	4M	27	4		4	4.6	4					
DF	L	DO	4M	35	3		3	3.4	3					
DF	L	DO	4M	40	3		3	3.7	3					
DF		Totals			92		92	26.8	15	18	43	16		
DF	T	DO	3M	40	55		55	60.0		28 12	15			
DF	T	DO	4M	17	4		4	4.9	4					
DF	T	DO	4M	22	4		4	4.5	4					
DF	T	DO	4M	25	4		4	4.5	4					
DF	T	DO	4M	30	10		10	10.9	10					
DF	T	DO	4M	32	14		14	15.2	14					
DF		Totals			92		92	26.8	37	28 12	15			
DF		DO	2M	40	19		19	21.9			12	7		
DF		DO	3M	40	56		56	65.2		23 16	17			
DF		DO	4M	14	1		1	.7	1					
DF		DO	4M	15	1		1	1.6	1					
DF		DO	4M	16	0		0	.4	0					
DF		DO	4M	17	1		1	1.5	1					
DF		DO	4M	20	1		1	1.4	1					
DF		DO	4M	22	2		2	2.4	2					
DF		DO	4M	31	1		1	1.4	1					
DF		DO	4M	33	1		1	1.7	1					
DF		DO	4M	36	2		2	1.9	2					
DF		Totals			86		86	25.1	11	23 16	17 12	7		
WH	T	DO	3M	40	47		47	80.5		15 32				
WH	T	DO	4M	18	4		4	7.3	4					
WH	T	DO	4M	20	3		3	5.9	3					
WH	T	DO	4M	21	4		4	6.3	4					
WH		Totals			58		58	17.0	11	15 32				
WH		DO	3M	40	10		10	85.4		5	6			

TC PLOGSTVB

Log Stock Table - MBF

T10S R05E S30 TyTIMB 8.00

Project: KINNEY
Acres 8.00

Page 2
Date 11/4/2024
Time 11:57:26AM

Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
WH		DO	4M	14	1		1	4.3		1										
WH		DO	4M	38	1		1	10.3		1										
WH		Totals			12		12	3.5		2		5		6						
RC		DO	4M	40	3		3	100.0		3										
RC		Totals			3		3	.8		3										
Total		All Species			343		343	100.0		78		66		83		81		12		16		7				

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T10S R05E S30 TyTIMB 8.00

Project: **KINNEY**

Acres **8.00**

Page **1**

Date **11/4/2024**

Time **11:57:26AM**

Spp	S T	So Grt 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	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF	L	DO 2M	17		2,032	2,032	16			100					100	40	14	290	1.74	7.0
DF	L	DO 3M	67		7,632	7,632	61		100						100	40	9	134	0.89	56.8
DF	L	DO 4M	16		1,835	1,835	15	100				8	48	21	23	29	5	32	0.33	56.8
DF	**Totals**		27		11,499	11,499	92	16	66	18		1	8	3	88	35	8	95	0.73	120.5
DF	T	DO 3M	59		6,881	6,881	55		100						100	40	7	83	0.52	83.3
DF	T	DO 4M	41		4,595	4,595	37	100				12	50	38		27	5	27	0.23	171.1
DF	**Totals**		27		11,477	11,477	92	40	60			5	20	15	60	31	6	45	0.35	254.3
DF		DO 2M	21		2,355	2,355	19			62	38				100	40	14	274	1.55	8.6
DF		DO 3M	66		7,029	7,029	56		100						100	40	8	92	0.60	76.1
DF		DO 4M	13		1,393	1,393	11	100				43	19	24	14	22	5	23	0.25	61.5
DF	**Totals**		25		10,776	10,776	86	13	65	14	8	6	2	3	89	32	7	74	0.57	146.2
WH	T	DO 3M	80		5,853	5,853	47		100						100	40	8	83	0.55	70.9
WH	T	DO 4M	20		1,419	1,419	11	100				68	32			20	5	20	0.23	70.9
WH	**Totals**		17		7,271	7,271	58	20	80			13	6		80	30	6	51	0.44	141.9
WH		DO 3M	85		1,295	1,295	10		100						100	40	9	124	0.86	10.5
WH		DO 4M	15		222	222	2	100				30			70	23	5	21	0.33	10.5
WH	**Totals**		4		1,517	1,517	12	15	85			4			96	31	7	72	0.67	21.0
RC		DO 4M	100		337	337	3	100							100	40	5	40	0.77	8.4
RC	**Totals**		1		337	337	3	100							100	40	5	40	0.77	8.4
Totals					42,878	42,878	343	23	67	8	2	5	9	6	80	32	6	62	0.50	692.3

TC PSTNDSUM

Stand Table Summary

Page 1
Date: 11/4/2024

T10S R05E S30 TyTIMB 8.00

Project KINNEY
Acres 8.00

Time: 11:57:27AM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF	L	13	1	86	90	17.802	17.18	35.60	16.0	60.0	16.22	569	2,136	130	46	17
DF	L	16	1	87	80	11.708	17.18	23.42	23.7	90.0	15.80	554	2,107	126	44	17
DF	L	17	1	87	100	10.522	17.18	21.04	30.3	110.0	18.19	638	2,315	145	51	19
DF	L	18	1	86	90	9.719	17.18	19.44	29.3	110.0	16.25	570	2,138	130	46	17
DF	L	21	1	87	112	7.007	17.18	21.02	33.8	133.3	20.27	711	2,803	162	57	22
DF	L	Totals	5	87	93	56.758	85.88	120.52	25.2	95.4	86.72	3,043	11,499	694	243	92
DF	T	8	1	89	55	46.000	16.46	46.00	6.5	30.0	8.47	297	1,380	68	24	11
DF	T	9	1	90	48	41.772	16.46	41.77	7.3	30.0	8.67	304	1,253	69	24	10
DF	T	10	1	89	85	27.904	16.46	55.81	8.8	40.0	14.05	493	2,232	112	39	18
DF	T	11	1	86	90	25.748	17.62	51.50	11.5	45.0	16.87	592	2,317	135	47	19
DF	T	13	1	90	85	17.321	16.46	34.64	14.4	60.0	14.20	498	2,079	114	40	17
DF	T	16	1	86	90	12.307	17.62	24.61	23.2	90.0	16.26	571	2,215	130	46	18
DF	T	Totals	6	89	69	171.051	101.08	254.33	10.8	45.1	78.50	2,755	11,477	628	220	92
DF		12	4	90	87	31.871	24.70	63.74	10.7	43.8	19.31	679	2,790	155	54	22
DF		13	1	90	93	7.243	6.17	14.49	13.8	55.0	5.79	201	797	46	16	6
DF		14	1	90	87	5.858	6.17	11.72	15.2	55.0	5.13	178	644	41	14	5
DF		15	2	87	100	10.116	12.92	20.23	21.6	84.9	12.52	436	1,718	100	35	14
DF		16	1	90	97	4.477	6.17	8.95	23.0	95.0	5.96	206	851	48	16	7
DF		18	2	87	114	7.449	12.92	14.90	32.1	124.7	13.63	478	1,858	109	38	15
DF		20	1	87	109	3.153	6.61	6.31	39.9	150.0	7.20	252	946	58	20	8
DF		25	1	87	116	1.956	6.46	5.87	46.6	200.0	7.77	273	1,174	62	22	9
DF		Totals	13	89	95	72.123	82.11	146.20	18.5	73.7	77.32	2,703	10,776	619	216	86
WH	T	12	1	86	80	26.543	19.82	53.09	11.1	45.0	18.84	589	2,389	151	47	19
WH	T	13	2	86	79	44.387	39.64	88.77	14.5	55.0	41.18	1,287	4,883	329	103	39
WH	T	Totals	3	86	79	70.930	59.45	141.86	13.2	51.3	60.01	1,875	7,271	480	150	58
WH		14	1	85	74	6.567	6.92	13.13	15.7	50.0	6.67	206	657	53	16	5
WH		17	1	87	99	3.910	6.46	7.82	29.9	110.0	7.49	234	860	60	19	7
WH		Totals	2	86	83	10.477	13.38	20.95	21.0	72.4	14.16	440	1,517	113	35	12
RC		15	1	69	63	8.427	10.20	8.43	30.7	40.0	6.07	258	337	49	21	3
RC		Totals	1	69	63	8.427	10.20	8.43	30.7	40.0	6.07	258	337	49	21	3
Totals			30	87	79	389.767	352.10	692.30	16.0	61.9	322.79	11,075	42,878	2,582	886	343

STATISTICS

PROJECT KINNEY

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
10S	05E	30	U3: DXD17	TIMB	8.00	4	57	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	4	57	14.3		
CRUISE	2	30	15.0	3,118	1.0
DBH COUNT					
REFOREST					
COUNT	2	27	13.5		
BLANKS					
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	13	72.1	14.4	67	21.6	82.1	10,776	10,776	2,713	2,703
DOUG FIR-L	5	56.8	16.7	74	21.0	85.9	11,499	11,499	3,043	3,043
DOUG FIR-T	6	171.1	10.4	46	31.3	101.1	11,477	11,477	2,755	2,755
WHEMLOCK	2	10.5	15.3	63	3.4	13.4	1,517	1,517	443	440
WHEMLOCK-T	3	70.9	12.4	60	16.9	59.5	7,271	7,271	1,875	1,875
WR CEDAR	1	8.4	14.9	42	2.6	10.2	337	337	258	258
TOTAL	*30*	*389.8*	*12.9*	*57*	*98.1*	*352.1*	*42,878*	*42,878*	*11,087*	*11,075*

CONFIDENCE LIMITS OF THE SAMPLE

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

SAMPLE TREES - BF

CL: 68.1 % SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR	74.2	21.4	151	192	233			
DOUG FIR-L	45.8	22.8	176	228	280			
DOUG FIR-T	64.6	28.8	63	88	114			
WHEMLOCK	53.0	49.7	81	160	239			
WHEMLOCK-T	11.2	7.7	95	103	111			
WR CEDAR								
TOTAL	*73.1*	*13.6*	*139*	*161*	*183*	*221*	*55*	*25*

SAMPLE TREES - CF

CL: 68.1 % SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR	70.1	20.2	38	48	58			
DOUG FIR-L	43.0	21.4	47	60	73			
DOUG FIR-T	69.2	30.8	15	22	28			
WHEMLOCK	44.2	41.4	27	46	64			
WHEMLOCK-T	15.5	10.7	24	27	30			
WR CEDAR								
TOTAL	*67.7*	*12.6*	*37*	*42*	*47*	*189*	*47*	*21*

TREES/ACRE

CL: 68.1 % SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	200.0	114.3		72	155			
DOUG FIR-L	68.2	39.0	35	57	79			
DOUG FIR-T	70.7	40.4	102	171	240			
WHEMLOCK	200.0	114.3		10	22			
WHEMLOCK-T	75.9	43.4	40	71	102			
WR CEDAR	200.0	114.3		8	18			
TOTAL			*390*	*390*	*390*			

BASAL AREA/ACRE

CL: 68.1 % SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR	200.0	114.3		82	176			
DOUG FIR-L	68.2	39.0	52	86	119			
DOUG FIR-T	70.7	40.4	60	101	142			
WHEMLOCK	200.0	114.3		13	29			

STATISTICS

PROJECT KINNEY

DATE 11/4/2024

TWP	RGE	SECT	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
10S	05E	30	U3: DXD17	TIMB	8.00	4	57	S	W

CL: 68.1 % COEFF **BASAL AREA/ACRE** # OF PLOTS REQ. INF. POP.

SD: 1.0 VAR. S.E.% LOW AVG HIGH 5 10 15

WHEMLOCK-T	75.9	43.4	34	59	85			
WR CEDAR	200.0	114.3		10	22			
TOTAL			*352*	*352*	*352*			

CL: 68.1 % COEFF **NET BF/ACRE** # OF PLOTS REQ. INF. POP.

SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15

DOUG FIR	200.0	114.3		10,776	23,091			
DOUG FIR-L	68.2	39.0	7,017	11,499	15,982			
DOUG FIR-T	70.7	40.4	6,840	11,477	16,113			
WHEMLOCK	200.0	114.3		1,517	3,250			
WHEMLOCK-T	75.9	43.4	4,118	7,271	10,425			
WR CEDAR	200.0	114.3		337	722			
TOTAL			*42,878*	*42,878*	*42,878*			

CL: 68.1 % COEFF **NET CUFT FT/ACRE** # OF PLOTS REQ. INF. POP.

SD: 1.0 VAR.% S.E.% LOW AVG HIGH 5 10 15

DOUG FIR	200.0	114.3		2,703	5,793			
DOUG FIR-L	68.2	39.0	1,857	3,043	4,229			
DOUG FIR-T	70.7	40.4	1,642	2,755	3,867			
WHEMLOCK	200.0	114.3		440	943			
WHEMLOCK-T	75.9	43.4	1,062	1,875	2,689			
WR CEDAR	200.0	114.3		258	553			
TOTAL			*11,075*	*11,075*	*11,075*			

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	30	U3: DXD17	TIMB	8.00	4	43	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S	SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
0001	0001	B1	1	DF	T	1	10.4	16	89	F	46	69		1	xx	31						16	16	67	67
	Count						BA = 25.27				T/A = 42.763											*16*	*16*	*67*	*67*
	0003	B1	1	WH	T	1	12.4	16	87	F	60	79		1	xx	30						26	26	103	103
	Count						BA = 26.42				T/A = 31.524											*26*	*26*	*103*	*103*
	0005	B1	1	DF	L	1	16.7	16	87	F	74	93		1	xx	35						54	54	203	203
	Count						BA = 26.42				T/A = 17.464											*54*	*54*	*203*	*203*
	0007	B1	1	DF	L	1	16.7	16	87	F	74	93		1	xx	35						54	54	203	203
	Count						BA = 26.42				T/A = 17.464											*54*	*54*	*203*	*203*
	0009	B1	1	WH	T	1	12.4	16	87	F	60	79		1	xx	30						26	26	103	103
	Count						BA = 26.42				T/A = 31.524											*26*	*26*	*103*	*103*
	0010	B1	1	WH	T	1	12.4	16	87	F	60	79		1	xx	30						26	26	103	103
	Count						BA = 26.42				T/A = 31.524											*26*	*26*	*103*	*103*
	0011	B1	1	DF	L	1	16.7	16	87	F	74	93		1	xx	35						54	54	203	203
	Count						BA = 26.42				T/A = 17.464											*54*	*54*	*203*	*203*
The below entry did not match on species, status or dbh																									
	0012	B1	1	RC	L	1	12.3																		
	0013	B1	1	DF	T	1	10.4	16	89	F	46	69		1	xx	31						16	16	67	67
	Count						BA = 25.27				T/A = 42.763											*16*	*16*	*67*	*67*
	0014	B1	1	DF	L	1	16.7	16	87	F	74	93		1	xx	35						54	54	203	203
	Count						BA = 26.42				T/A = 17.464											*54*	*54*	*203*	*203*
	0015	B1	1	WH	T	1	12.4	16	87	F	60	79		1	xx	30						26	26	103	103
	Count						BA = 26.42				T/A = 31.524											*26*	*26*	*103*	*103*
	0016	B1	1	DF	T	1	10.4	16	89	F	46	69		1	xx	31						16	16	67	67
	Count						BA = 25.27				T/A = 42.763											*16*	*16*	*67*	*67*
	0017	B1	1	DF	T	1	10.4	16	89	F	46	69		1	xx	31						16	16	67	67
	Count						BA = 25.27				T/A = 42.763											*16*	*16*	*67*	*67*
PLOT							BA = 312.46				T/A = 367.005											9,834	9,834	38,557	38,557
0002	0001	B1	1	DF	T	1	13.2	16	90	F	65	85		1	83	40		.920	.514	12.70	8.73	23	23	90	90
							BA = 24.69				T/A = 25.982			2	84	25		.920	.514	8.73	5.18	6	6	30	30
																						29	*29*	*120*	*120*
	0002	B1	1	DF	L	1	21.2	16	87	F	96	112		1	82	40		.920	.514	21.03	14.57	69	69	290	290
							BA = 26.42				T/A = 10.779			2	83	40		.920	.514	14.57	8.57	28	28	90	90
														3	84	15		.920	.514	8.57	5.02	4	4	20	20
																						101	*101*	*400*	*400*
	0003	B1	1	DF	L	1	18.0	16	87	F	75	90		1	83	40		.920	.514	17.75	11.67	45	45	180	180
							BA = 26.42				T/A = 14.953			2	84	35		.920	.514	11.67	5.01	14	14	40	40
																						59	*59*	*220*	*220*
	0004	B1	1	DF	L	1	16.4	16	87	F	65	80		1	83	40		.920	.514	16.10	10.14	39	39	150	150
							BA = 26.42				T/A = 18.013			2	84	25		.920	.514	10.14	5.01	9	9	30	30
																						47	*47*	*180*	*180*
	0005	B1	1	DF	T	1	11.2	16	87	F	62	90		1	83	40		.920	.514	11.06	7.39	19	19	70	70
							BA = 26.42				T/A = 38.621			2	84	22		.920	.514	7.39	5.31	4	4	20	20
																						23	*23*	*90*	*90*
	0006	B1	1	DF	T	1	10.4	16	90	F	57	85		1	83	40		.920	.514	10.02	6.97	15	15	60	60
							BA = 24.69				T/A = 41.855			2	84	17		.920	.514	6.97	5.31	3	3	20	20
																						18	*18*	*80*	*80*
	0007	B1	1	WH	T	1	11.7	16	87	F	58	80		1	83	40		.944	.542	11.82	7.65	19	19	70	70
							BA = 26.42				T/A = 35.391			2	84	18		.944	.542	7.65	5.38	4	4	20	20
																						22	*22*	*90*	*90*
	0008	B1	1	WH	T	1	12.6	16	87	F	61	80		1	83	40		.944	.542	12.74	8.25	23	23	90	90

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	30	U3: DXD17	TIMB	8.00	4	43	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
							BA = 26.42				T/A = 30.516			284	21		.944	.542	8.25	5.34	5	5	20	20
																					28	*28*	*110*	*110*
0002	0009	B1	1	DF	T	1	8.5	16	90	F	30	48		184	30		.920	.514	8.08	5.38	7	7	30	30
							BA = 24.69				T/A = 62.659										*7*	*7*	*30*	*30*
	0010	B1	1	DF	T	1	8.1	16	90	F	32	55		184	32		.920	.514	7.70	5.43	6	6	30	30
							BA = 24.69				T/A = 69.000										*6*	*6*	*30*	*30*
	0011	B1	1	WH	T	1	13.0	16	87	F	60	78		183	40		.944	.542	13.12	8.38	25	25	90	90
							BA = 26.42				T/A = 28.667			284	20		.944	.542	8.38	5.30	5	5	20	20
																					30	*30*	*110*	*110*
	0012	B1	1	DF	L	1	13.3	16	87	F	67	90		183	40		.920	.514	13.12	8.65	25	25	90	90
							BA = 26.42				T/A = 27.388			284	27		.920	.514	8.65	5.21	7	7	30	30
																					32	*32*	*120*	*120*
	0013	B1	1	DF	T	1	16.2	16	87	F	72	90		183	40		.920	.514	15.97	10.48	35	35	150	150
							BA = 26.42				T/A = 18.460			284	32		.920	.514	10.48	5.08	11	11	30	30
																					46	*46*	*180*	*180*
	0014	B1	1	DF	L	1	17.3	16	87	F	82	100		183	40		.920	.514	17.11	11.59	45	45	180	180
							BA = 26.42				T/A = 16.187			284	40		.920	.514	11.59	5.52	16	16	40	40
																					61	*61*	*220*	*220*
PLOT							BA = 363.00				T/A = 438.470										11,314	11,314	44,601	44,601
0003	0001	B1	1	DF	L	4	16.7	16	87	F	74	93		1xx	35						54	54	203	203
				Count			BA = 105.69				T/A = 69.856										*54*	*54*	*203*	*203*

The below entry did not match on species, status or dbh

0002 B1 1 RC L 1

The below entry did not match on species, status or dbh

0003 B1 1 SF L 1

	0004	B1	1	DF	T	6	10.4	16	89	F	46	69		1xx	31						16	16	67	67
				Count			BA = 151.61				T/A = 256.577										*16*	*16*	*67*	*67*
	0005	B1	1	WH	T	2	12.4	16	87	F	60	79		1xx	30						26	26	103	103
				Count			BA = 52.85				T/A = 63.049										*26*	*26*	*103*	*103*
PLOT							BA = 310.15				T/A = 389.482										9,544	9,544	37,831	37,831
0004	0001	B1	1	DF		1	19.6	16	87	F	87	109		182	40	3	.920	.514	19.40	13.21	58	58	240	240
							BA = 26.42				T/A = 12.611			283	40	1	.920	.514	13.21	6.67	22	22	60	60
																					80	*80*	*300*	*300*
	0002	B1	1	DF		1	11.5	16	91	F	55	87		183	40	2	.920	.514	10.93	7.36	16	16	70	70
							BA = 24.15				T/A = 33.483			284	15	2	.920	.514	7.36	5.21	3	3	20	20
																					19	*19*	*90*	*90*
	0003	B1	1	WH		1	17.4	16	88	F	78	99		183	40		.944	.542	17.52	11.97	45	45	180	180
							BA = 25.83				T/A = 15.640			284	38		.944	.542	11.97	5.16	15	15	40	40
																					60	*60*	*220*	*220*
	0004	B1	1	DF		1	15.2	16	89	F	76	104		183	40	2	.920	.514	14.79	10.30	32	32	150	150
							BA = 25.25				T/A = 20.037			284	36	1	.920	.514	10.30	5.15	12	12	40	40
																					45	*44*	*190*	*190*
	0005	B1	1	RC		1	14.9	16	70	F	42	63		184	40		.951	.497	16.87	5.93	31	31	40	40
							BA = 40.82				T/A = 33.708										*31*	*31*	*40*	*40*
	0006	B1	1	DF		1	12.5	16	90	F	62	93		183	40	3	.920	.514	12.02	8.21	23	23	90	90
							BA = 24.69				T/A = 28.973			284	22	1	.920	.514	8.21	5.20	5	5	20	20
																					28	*28*	*110*	*110*
	0007	B1	1	DF		1	12.2	16	90	F	60	92		183	40	3	.920	.514	11.72	7.95	19	19	70	70
							BA = 24.69				T/A = 30.416			284	20	2	.920	.514	7.95	5.20	4	4	20	20
																					23	*23*	*90*	*90*
	0008	B1	1	DF		1	18.2	16	89	F	86	110		182	40		.920	.514	17.75	12.56	47	47	200	200
							BA = 25.25				T/A = 13.976			283	40		.920	.514	12.56	6.38	20	20	60	60
																					67	*67*	*260*	*260*
	0009	B1	1	DF		1	13.9	16	90	F	62	87		183	40	3	.920	.514	13.33	8.91	25	25	90	90
							BA = 24.69				T/A = 23.431			284	22	1	.920	.514	8.91	5.11	5	5	20	20

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	30	U3: DXD17	TIMB	8.00	4	43	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S	SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
																						31	*30*	*110*	*110*
0004	0010	B1	1	DF		1	15.9	16	90	F	73	97		1	83	40	1	.920	.514	15.32	10.67	35	35	150	150
							BA = 24.69				T/A = 17.907				84	33	1	.920	.514	10.67	5.08	11	11	40	40
																						47	*46*	*190*	*190*
	0011	B1	1	DF		1	12.0	16	90	F	54	83		1	83	40	2	.920	.514	11.48	7.43	19	19	70	70
							BA = 24.69				T/A = 31.438				84	14	1	.920	.514	7.43	5.17	3	3	10	10
																						21	*22*	*80*	*80*
	0012	B1	1	DF		1	15.4	16	87	F	71	97		1	83	40	1	.920	.514	15.18	9.98	33	33	120	120
							BA = 26.42				T/A = 20.428				84	31	1	.920	.514	9.98	5.12	9	9	30	30
																						42	*42*	*150*	*150*
	0013	B1	1	DF		1	12.0	16	89	F	57	88		1	83	40	1	.920	.514	11.60	7.60	19	19	70	70
							BA = 25.25				T/A = 32.148				84	17	1	.920	.514	7.60	5.21	3	3	20	20
																						22	*22*	*90*	*90*
	0014	B1	1	DF		1	24.6	16	88	F	98	116		1	82	40	3	.920	.514	24.21	17.05	94	94	460	460
							BA = 25.83				T/A = 7.825				83	40	2	.920	.514	17.05	9.83	40	40	120	120
															84	16	1	.920	.514	9.83	5.21	5	5	20	20
																						139	*140*	*600*	*600*
	0015	B1	1	WH		1	13.9	16	85	F	54	74		1	83	40	2	.944	.542	14.17	8.14	28	28	90	90
							BA = 27.68				T/A = 26.269				84	14	1	.944	.542	8.14	5.19	3	3	10	10
																						32	*31*	*100*	*100*
	0016	B1	1	DF		1	17.5	16	87	F	90	117		1	83	40	2	.920	.514	17.36	11.99	45	45	180	180
							BA = 26.42				T/A = 15.819				83	40	2	.920	.514	11.99	6.93	17	17	60	60
																						62	*62*	*240*	*240*
PLOT							BA = 422.78				T/A = 364.109											13,655	13,607	50,522	50,522
TYPE							BA = 352.10				T/A = 389.767											11,087	11,075	42,878	42,878

TC PLOGSTVB

Log Stock Table - MBF

T10S R05E S30 TyTIMB 28.00

Project: KINNEY
Acres 28.00

Page 1
Date 11/4/2024
Time 12:23:46PM

Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
DF	L	DO	2M	40	381		381	54.4						183	156	42				
DF	L	DO	3M	30	11		11	1.5				11								
DF	L	DO	3M	40	258		258	36.9			47	102	109							
DF	L	DO	4M	12	1		1	.1		1										
DF	L	DO	4M	13	1		1	.1		1										
DF	L	DO	4M	15	1		1	.2		1										
DF	L	DO	4M	17	2		2	.2		2										
DF	L	DO	4M	18	1		1	.2		1										
DF	L	DO	4M	20	1		1	.2		1										
DF	L	DO	4M	23	2		2	.3		2										
DF	L	DO	4M	25	4		4	.6		4										
DF	L	DO	4M	28	2		2	.3		2										
DF	L	DO	4M	31	8		8	1.1		2	6									
DF	L	DO	4M	32	2		2	.2		2										
DF	L	DO	4M	35	5		5	.7		5										
DF	L	DO	4M	36	7		7	1.1		7										
DF	L	DO	4M	37	6		6	.8		6										
DF	L	DO	4M	40	8		8	1.1		5	3									
DF		Totals			700		700	54.7		42	56	113	109	183	156	42				
DF	T	DO	2M	40	60		60	11.7						60						
DF	T	DO	3M	40	370		370	72.2			50	154	166							
DF	T	DO	4M	12	1		1	.2		1										
DF	T	DO	4M	19	3		3	.6		3										
DF	T	DO	4M	21	4		4	.7		4										
DF	T	DO	4M	26	5		5	1.0		5										
DF	T	DO	4M	32	11		11	2.2		11										
DF	T	DO	4M	35	14		14	2.7		14										
DF	T	DO	4M	36	7		7	1.4		7										
DF	T	DO	4M	38	11		11	2.1		11										
DF	T	DO	4M	40	26		26	5.2		26										
DF		Totals			512		512	40.0		83	50	154	166	60						
WH	L	DO	2M	40	15		15	27.3							15					
WH	L	DO	3M	40	33		33	59.3			15	5	14							
WH	L	DO	4M	12	2		2	4.4		2										

TC PLOGSTVB

Log Stock Table - MBF

T10S R05E S30 TyTIMB 28.00

Project: KINNEY
Acres 28.00

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Date 11/4/2024
Time 12:23:46PM

Spp	ST	Sort	Grade	Log Len	Gross MBF	Def %	Net MBF	% Spc	Net Volume by Scaling Diameter in Inches 2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-19	20-23	24-29	30-39	40+
WH	L	DO	4M	19	1		1	2.5		1										
WH	L	DO	4M	34	4		4	6.6		4										
WH		Totals			56		56	4.4		8	15	5	14		15					
WH	T	DO	4M	16	4		4	100.0		4										
WH		Totals			4		4	.3		4										
RC	L	DO	3M	40	7		7	100.0			7									
RC		Totals			7		7	.6			7									
Total		All Species			1,280		1,280	100.0		136	128	271	289	243	171	42				

PROJECT STATISTICS

PROJECT KINNEY

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
10S	05E	30	U4: DXD17	TIMB	28.00	10	113	S	W

	PLOTS	TREES	TREES PER PLOT	ESTIMATED TOTAL TREES	PERCENT SAMPLE TREES
TOTAL	10	113	11.3		
CRUISE	5	54	10.8	6,208	.9
DBH COUNT					
REFOREST					
COUNT	5	59	11.8		
BLANKS					
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-L	28	81.0	18.4	91	34.8	148.9	25,006	25,006	6,115	6,110
DOUG FIR-T	20	112.5	14.6	74	34.3	131.1	18,296	18,296	4,598	4,593
WHEMLOCK-L	4	16.3	15.8	56	5.6	22.1	1,992	1,992	620	622
WHEMLOCK-T	1	7.4	9.0	17	1.1	3.3	149	149	34	34
WR CEDAR-L	1	4.4	11.1	48	0.9	3.0	266	266	76	75
TOTAL	*54*	*221.7*	*16.0*	*76*	*77.2*	*308.5*	*45,708*	*45,708*	*11,444*	*11,435*

CONFIDENCE LIMITS OF THE SAMPLE

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

SAMPLE TREES - BF

CL 68.1 SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR-L	50.8	9.8	330	365	401			
DOUG FIR-T	30.9	7.1	165	178	191			
WHEMLOCK-L	97.0	55.4	74	165	256			
WHEMLOCK-T								
WR CEDAR-L								
TOTAL	*65.3*	*8.9*	*245*	*269*	*293*	*171*	*43*	*19*

SAMPLE TREES - CF

CL 68.1 SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF TREES REQ. 5	10	INF. POP. 15
DOUG FIR-L	45.2	8.7	80	88	96			
DOUG FIR-T	31.6	7.2	42	45	48			
WHEMLOCK-L	70.3	40.2	31	51	72			
WHEMLOCK-T								
WR CEDAR-L								
TOTAL	*58.5*	*7.9*	*61*	*67*	*72*	*136*	*34*	*15*

TREES/ACRE

CL 68.1 SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR-L	48.1	16.0	68	81	94			
DOUG FIR-T	53.1	17.7	93	113	132			
WHEMLOCK-L	138.5	46.1	9	16	24			
WHEMLOCK-T	316.2	105.2		7	15			
WR CEDAR-L	316.2	105.2		4	9			
TOTAL	*48.3*	*16.1*	*186*	*222*	*257*	*103*	*26*	*11*

BASAL AREA/ACRE

CL 68.1 SD: 1.0

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR-L	47.2	15.7	126	149	172			
DOUG FIR-T	47.2	15.7	111	131	152			
WHEMLOCK-L	118.7	39.5	13	22	31			
WHEMLOCK-T	316.2	105.2		3	7			
WR CEDAR-L	316.2	105.2		3	6			
TOTAL	*43.0*	*14.3*	*264*	*309*	*353*	*82*	*20*	*9*

PROJECT STATISTICS

PROJECT KINNEY

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CuFt	BdFt
10S	05E	30	U4: DXD17	TIMB	28.00	10	113	S	W

CL 68.1 SD: 1.0

NET BF/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR-L	51.8	17.2	20,699	25,006	29,312			
DOUG FIR-T	46.9	15.6	15,443	18,296	21,149			
WHEMLOCK-L	111.2	37.0	1,255	1,992	2,728			
WHEMLOCK-T	316.2	105.2		149	305			
WR CEDAR-L	316.2	105.2		266	545			
TOTAL	*45.1*	*15.0*	*38,855*	*45,708*	*52,560*	*90*	*22*	*10*

CL 68.1 SD: 1.0

NET CUFT FT/ACRE

	COEFF VAR.%	S.E.%	LOW	AVG	HIGH	# OF PLOTS REQ. 5	10	INF. POP. 15
DOUG FIR-L	49.6	16.5	5,101	6,110	7,119			
DOUG FIR-T	46.5	15.5	3,882	4,593	5,304			
WHEMLOCK-L	112.4	37.4	390	622	855			
WHEMLOCK-T	316.2	105.2		34	71			
WR CEDAR-L	316.2	105.2		75	154			
TOTAL	*44.5*	*14.8*	*9,741*	*11,435*	*13,129*	*88*	*22*	*10*

TC PSPCSTGR

Species, Sort Grade - Board Foot Volumes (Project)

T10S R05E S30 TyTIMB 28.00

Project: **KINNEY**

Acres **28.00**

Page **1**

Date **11/4/2024**

Time **12:23:46PM**

Spp	S T	So Grad	% 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	21-30	31-35	36-99	Average Log Ln Ft	Dia In	Bd Ft	CF/ Lf	Logs Per /Acre
DF	L	DO 2M	54		13,599	13,599	381			89	11				100	40	14	278	1.60	49.0
DF	L	DO 3M	38		9,605	9,605	269		100				4		96	39	8	109	0.70	88.1
DF	L	DO 4M	8		1,802	1,802	50	83	17			14	16	29	41	28	5	31	0.33	58.0
DF	**Totals**		55		25,006	25,006	700	6	40	48	6	1	3	2	94	36	9	128	0.86	195.1
DF	T	DO 2M	11		2,143	2,143	60			100					100	40	12	200	1.18	10.7
DF	T	DO 3M	72		13,205	13,205	370		100						100	40	9	112	0.68	118.1
DF	T	DO 4M	17		2,948	2,948	83	100				5	11	31	54	33	5	34	0.31	87.3
DF	**Totals**		40		18,296	18,296	512	16	72	12		1	2	5	93	37	7	85	0.57	216.1
WH	L	DO 2M	27		543	543	15			100					100	40	14	290	1.53	1.9
WH	L	DO 3M	59		1,180	1,180	33		100						100	40	7	85	0.71	13.8
WH	L	DO 4M	14		268	268	8	100				51		49		18	5	19	0.44	14.5
WH	**Totals**		4		1,992	1,992	56	13	59	27		7		7	87	30	7	66	0.70	30.2
WH	T	DO 4M	100		149	149	4	100				100				16	5	20	0.29	7.4
WH	**Totals**		0		149	149	4	100				100				16	5	20	0.29	7.4
RC	L	DO 3M	100		266	266	7		100						100	40	6	60	0.42	4.4
RC	**Totals**		1		266	266	7		100						100	40	6	60	0.42	4.4
Totals					45,708	45,708	1,280	11	54	32	3	1	2	3	93	36	8	101	0.70	453.2

TC PSTNDSUM

Stand Table Summary

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Date: 11/4/2024

T10S R05E S30 TyTIMB 28.00

Project KINNEY
Acres 28.00

Time: 12:23:47PM
Grown Year:

Spc	S T	DBH	Sample Trees	FF 16'	Tot Av Ht	Trees/ Acre	BA/ Acre	Logs Acre	Average Log Net Cu.Ft.	Average Log Net Bd.Ft.	Net Tons/ Acre	Net Cu.Ft. Acre	Net Bd.Ft. Acre	Totals Tons	Totals Cunits	Totals MBF
DF	L	13	1	89	106	5.428	4.85	10.86	13.9	55.0	4.38	151	597	123	42	17
DF	L	15	4	84	104	18.341	21.78	36.68	20.9	84.3	21.95	766	3,094	615	214	87
DF	L	16	1	79	106	4.288	6.14	8.58	23.7	80.0	5.76	203	686	161	57	19
DF	L	17	3	87	116	10.000	15.36	23.66	25.9	106.9	17.38	612	2,530	487	171	71
DF	L	18	2	88	108	5.872	10.03	11.74	33.5	130.0	11.19	393	1,527	313	110	43
DF	L	19	3	86	115	8.032	15.60	18.85	33.0	126.4	17.67	621	2,382	495	174	67
DF	L	20	4	86	119	9.686	21.16	26.74	32.4	124.7	24.75	866	3,336	693	242	93
DF	L	21	3	86	132	6.502	15.60	19.50	37.8	164.6	21.00	737	3,210	588	206	90
DF	L	22	2	85	134	4.062	10.69	12.19	41.3	185.6	14.36	504	2,262	402	141	63
DF	L	23	2	84	128	3.816	11.01	11.45	42.1	183.3	13.78	482	2,098	386	135	59
DF	L	24	1	81	115	1.923	5.84	5.77	40.7	153.3	6.69	235	885	187	66	25
DF	L	25	1	84	147	1.595	5.44	4.79	57.3	253.3	7.82	274	1,212	219	77	34
DF	L	26	1	85	145	1.430	5.44	4.29	61.7	276.7	7.55	265	1,187	211	74	33
DF	L	Totals	28	85	116	80.977	148.95	195.10	31.3	128.2	174.28	6,110	25,006	4,880	1,711	700
DF	T	10	1	86	94	12.394	6.63	12.39	13.0	60.0	4.51	161	744	126	45	21
DF	T	13	2	87	106	14.186	12.81	28.37	16.4	69.0	13.13	466	1,959	368	131	55
DF	T	14	4	85	99	25.216	26.83	50.43	17.7	72.1	25.62	891	3,636	717	250	102
DF	T	15	5	87	102	26.556	32.26	53.11	20.9	84.0	31.79	1,113	4,464	890	312	125
DF	T	16	4	85	102	19.273	27.00	38.55	25.8	95.0	28.19	993	3,662	789	278	103
DF	T	17	1	86	119	4.203	6.63	8.41	29.0	120.0	6.98	244	1,009	195	68	28
DF	T	18	3	87	111	10.716	19.00	24.86	29.2	113.6	20.83	725	2,822	583	203	79
DF	T	Totals	20	86	103	112.543	131.15	216.12	21.3	84.7	131.05	4,593	18,296	3,669	1,286	512
WH	L	10	1	85	77	8.676	4.73	17.35	8.5	35.0	4.67	147	607	131	41	17
WH	L	20	2	78	97	5.148	11.19	10.30	40.2	129.6	13.23	414	1,334	370	116	37
WH	L	21	1	75	73	2.515	6.22	2.51	24.1	20.0	1.94	61	50	54	17	1
WH	L	Totals	4	81	83	16.339	22.14	30.16	20.6	66.0	19.85	622	1,992	556	174	56
RC	L	11	1	81	67	4.426	2.97	4.43	17.0	60.0	1.78	75	266	50	21	7
RC	L	Totals	1	81	67	4.426	2.97	4.43	17.0	60.0	1.78	75	266	50	21	7
WH	T	9	1	78	40	7.441	3.29	7.44	4.6	20.0	1.10	34	149	31	10	4
WH	T	Totals	1	78	40	7.441	3.29	7.44	4.6	20.0	1.10	34	149	31	10	4
Totals			54	85	103	221.726	308.50	453.24	25.2	100.8	328.06	11,435	45,708	9,186	3,202	1,280

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	30	U4: DXD17	TIMB	28.00	10	113	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S	SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
0001	0001	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37						41	41	163	163
				Count			BA = 26.76				T/A = 22.968											*41*	*41*	*163*	*163*
	0005	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37						41	41	163	163
				Count			BA = 26.76				T/A = 22.968											*41*	*41*	*163*	*163*
PLOT							BA = 53.53				T/A = 45.936											1,877	1,875	7,468	7,468
0002	0001	B1	1	DF	T	1	14.1	16	86	F	75	109		1	83	40	1	.920	.514	14.05	9.33	30	30	120	120
							BA = 27.04				T/A = 24.938				84	35	2	.920	.514	9.33	5.22	10	10	40	40
																						40	*40*	*160*	*160*
	0002	B1	1	DF	T	1	13.3	16	89	F	76	113		1	83	40	1	.920	.514	12.97	9.17	25	25	120	120
							BA = 25.25				T/A = 26.171				84	36	2	.920	.514	9.17	5.24	10	10	40	40
																						35	*35*	*160*	*160*
	0003	B1	1	DF	L	1	15.4	16	86	F	88	122		1	83	40	1	.920	.514	15.40	10.51	35	35	150	150
							BA = 27.04				T/A = 20.906				83	40	1	.920	.514	10.51	6.36	15	15	60	60
																						50	*50*	*210*	*210*
	0004	B1	1	DF	L	1	12.8	16	90	F	71	106		1	83	30	1	.920	.514	12.37	9.59	18	18	70	70
							BA = 24.69				T/A = 27.631				84	31	2	.920	.514	9.59	6.56	10	10	40	40
																						28	*28*	*110*	*110*
	0005	B1	1	DF	T	1	15.8	16	88	F	78	105		1	83	40	1	.920	.514	15.50	10.63	35	35	150	150
							BA = 25.83				T/A = 18.968				84	38	2	.920	.514	10.63	5.14	13	13	40	40
																						48	*48*	*190*	*190*
	0006	B1	1	DF	T	1	13.7	16	84	F	61	90		1	83	40	1	.920	.514	13.77	8.29	25	25	90	90
							BA = 28.34				T/A = 27.689				84	21	2	.920	.514	8.29	5.17	5	5	20	20
																						31	*30*	*110*	*110*
	0007	B1	1	DF	T	1	9.9	16	86	F	46	94		1	83	40	1	.920	.514	9.79	6.00	13	13	60	60
							BA = 27.04				T/A = 50.587											*13*	*13*	*60*	*60*
	0008	B1	1	DF	L	1	19.7	16	83	F	109	140		1	82	40	1	.920	.514	20.19	13.32	62	62	240	240
							BA = 29.03				T/A = 13.716				83	40	1	.920	.514	13.32	9.39	27	27	120	120
															84	28	2	.920	.514	9.39	5.17	8	8	30	30
																						97	*97*	*390*	*390*
	0009	B1	1	DF	L	1	23.3	16	83	F	104	126		1	82	40	1	.920	.514	23.84	15.50	82	82	360	360
							BA = 29.03				T/A = 9.805				83	40	1	.920	.514	15.50	10.01	35	35	150	150
															84	23	2	.920	.514	10.01	5.03	8	8	20	20
																						126	*125*	*530*	*530*
	0010	B1	1	DF	L	1	16.5	16	85	F	92	124		1	83	40	1	.920	.514	16.63	11.18	41	41	180	180
							BA = 27.68				T/A = 18.642				83	40	1	.920	.514	11.18	6.96	17	17	60	60
															84	12	2	.920	.514	6.96	5.04	2	2	10	10
																						60	*60*	*250*	*250*
	0011	B1	1	DF	T	1	17.0	16	86	F	90	119		1	83	40	1	.920	.514	16.99	11.55	41	41	180	180
							BA = 27.04				T/A = 17.156				83	40	1	.920	.514	11.55	6.82	17	17	60	60
																						58	*58*	*240*	*240*
	0012	B1	1	DF	T	1	13.9	16	85	F	75	111		1	83	40	1	.920	.514	13.96	9.13	27	27	120	120
							BA = 27.68				T/A = 26.269				84	35	2	.920	.514	9.13	5.24	10	10	40	40
																						37	*37*	*160*	*160*
	0013	B1	1	DF	L	1	14.5	16	82	F	77	113		1	83	40	1	.920	.514	14.90	9.24	30	30	120	120
							BA = 29.74				T/A = 25.938				84	37	2	.920	.514	9.24	5.24	11	11	40	40
																						41	*41*	*160*	*160*
	0014	B1	1	WH	T	1	9.0	16	78	F	17	40		1	84	16	3	.944	.542	9.12	5.66	5	5	20	20
							BA = 32.87				T/A = 74.410											*5*	*5*	*20*	*20*
	0015	B1	1	DF	L	1	19.2	16	85	F	92	117		1	82	40	1	.920	.514	19.33	12.86	55	55	200	200
							BA = 27.68				T/A = 13.768				83	40	1	.920	.514	12.86	7.44	21	21	70	70
																						76	*76*	*270*	*270*
PLOT							BA = 416.00				T/A = 396.592											14,288	14,234	58,174	58,174
0003	0001	B1	1	DF	L	1	23.6	16	82	F	95	115		1	82	40	1	.920	.514	24.27	15.21	87	87	360	360
							BA = 29.74				T/A = 9.792				83	40	1	.920	.514	15.21	8.64	32	32	90	90
															84	13	2	.920	.514	8.64	5.25	3	3	10	10
																						122	*122*	*460*	*460*
	0002	B1	1	DF	T	1	15.0	16	85	F	59	81		1	83	40	1	.920	.514	14.92	8.81	28	28	90	90
							BA = 27.68				T/A = 22.557				84	19	2	.920	.514	8.81	5.06	5	5	20	20
																						33	*33*	*110*	*110*

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	30	U4: DXD17	TIMB	28.00	10	113	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
0003	0003	B1	1	DF	L	1	20.3	16	86	F	99	123		182	40	1	.920	.514	20.31	13.92	62	62	240	240
							BA = 27.04				T/A = 12.031			283	40	1	.920	.514	13.92	8.72	25	25	90	90
														384	18	2	.920	.514	8.72	5.08	4	4	20	20
																					92	*91*	*350*	*350*
	0004	B1	1	DF	T	1	15.2	16	88	F	84	116		183	40	1	.920	.514	14.95	10.48	32	32	150	150
							BA = 25.83				T/A = 20.495			284	40	1	.920	.514	10.48	5.83	14	14	40	40
																					46	*46*	*190*	*190*
	0005	B1	1	DF	L	1	20.3	16	87	F	96	119		182	40	1	.920	.514	20.14	13.98	62	62	240	240
							BA = 26.42				T/A = 11.756			283	40	1	.920	.514	13.98	8.36	25	25	90	90
														384	15	2	.920	.514	8.36	5.06	4	4	20	20
																					91	*91*	*350*	*350*
	0006	B1	1	DF	T	1	17.9	16	86	F	92	120		182	40	1	.920	.514	17.89	12.18	47	47	200	200
							BA = 27.04				T/A = 15.474			283	40	1	.920	.514	12.18	7.24	21	21	70	70
																					68	*68*	*270*	*270*
	0007	B1	1	DF	L	1	16.2	16	80	F	76	106		183	40	1	.920	.514	16.86	9.92	37	37	120	120
							BA = 31.25				T/A = 21.832			284	36	2	.920	.514	9.92	5.18	10	10	40	40
																					47	*47*	*160*	*160*
PLOT							BA = 195.01				T/A = 113.937										7,143	7,127	26,876	26,876
0004	0001	B1	1	DF	T	1	14.6	16	86	F	74	103		1xx	37						41	41	163	163
		Count					BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0002	B1	1	DF	T	1	14.6	16	86	F	74	103		1xx	37						41	41	163	163
		Count					BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0003	B1	1	DF	L	1	18.4	16	86	F	91	116		1xx	36						76	75	309	309
		Count					BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0004	B1	1	DF	T	1	14.6	16	86	F	74	103		1xx	37						41	41	163	163
		Count					BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0005	B1	1	DF	T	1	14.6	16	86	F	74	103		1xx	37						41	41	163	163
		Count					BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0006	B1	1	DF	L	1	18.4	16	86	F	91	116		1xx	36						76	75	309	309
		Count					BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0007	B1	1	DF	T	1	14.6	16	86	F	74	103		1xx	37						41	41	163	163
		Count					BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0008	B1	1	DF	T	1	14.6	16	86	F	74	103		1xx	37						41	41	163	163
		Count					BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0009	B1	1	DF	L	1	18.4	16	86	F	91	116		1xx	36						76	75	309	309
		Count					BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0010	B1	1	DF	L	1	18.4	16	86	F	91	116		1xx	36						76	75	309	309
		Count					BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0011	B1	1	DF	T	1	14.6	16	86	F	74	103		1xx	37						41	41	163	163
		Count					BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0012	B1	1	DF	L	1	18.4	16	86	F	91	116		1xx	36						76	75	309	309
		Count					BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
PLOT							BA = 322.76				T/A = 234.391										12,128	12,116	48,869	48,869
0005	0001	B1	1	DF	T	1	18.2	16	89	F	93	112		182	40	1	.920	.514	17.79	12.80	47	47	200	200
							BA = 25.25				T/A = 13.976			283	40	1	.920	.514	12.80	7.56	21	21	70	70
														384	12	1	.920	.514	7.56	5.11	2	2	10	10
																					71	*70*	*280*	*280*
	0002	B1	1	DF	L	1	21.7	16	90	F	104	121		182	40	1	.920	.514	21.08	15.65	73	73	360	360
							BA = 24.69				T/A = 9.614			283	40	1	.920	.514	15.65	10.08	35	35	150	150
														384	23	1	.920	.514	10.08	5.02	8	8	20	20
																					116	*116*	*530*	*530*
	0003	B1	1	DF	T	1	14.7	16	89	F	83	107		183	40	1	.920	.514	14.35	10.25	32	32	150	150

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	30	U4: DXD17	TIMB	28.00	10	113	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
							BA = 25.25				T/A = 21.423			284	40	1	.920	.514	10.25	5.67	14	14	40	40
																					46	*46*	*190*	*190*
0005	0004	B1	1	DF	T	1	15.3	16	89	F	89	114		183	40	1	.920	.514	14.96	10.80	32	32	150	150
							BA = 25.25				T/A = 19.776			283	40	1	.920	.514	10.80	6.53	15	15	60	60
																					47	*47*	*210*	*210*
	0005	B1	1	WH	L	1	19.9	16	93	F	92	108		182	40	1	.944	.542	19.35	14.94	61	61	290	290
							BA = 23.12				T/A = 10.706			283	40	1	.944	.542	14.94	8.19	28	28	90	90
																					89	*89*	*380*	*380*
	0006	B1	1	DF	L	1	20.6	16	90	F	101	118		182	40	1	.920	.514	20.00	14.80	65	65	290	290
							BA = 24.69				T/A = 10.668			283	40	1	.920	.514	14.80	9.33	30	30	120	120
														384	20	1	.920	.514	9.33	5.05	6	6	20	20
																					101	*101*	*430*	*430*
	0007	B1	1	DF	L	1	17.3	16	89	F	88	108		182	40	1	.920	.514	16.89	12.05	44	44	200	200
							BA = 25.25				T/A = 15.468			283	40	1	.920	.514	12.05	6.65	20	20	60	60
																					63	*64*	*260*	*260*
	0008	B1	1	DF	L	1	16.6	16	89	F	92	115		183	40	1	.920	.514	16.23	11.72	41	41	180	180
							BA = 25.25				T/A = 16.800			283	40	1	.920	.514	11.72	7.12	19	19	70	70
																					60	*60*	*250*	*250*
	0009	B1	1	DF	L	1	17.5	16	89	F	90	110		182	40	1	.920	.514	17.09	12.25	47	47	200	200
							BA = 25.25				T/A = 15.116			283	40	1	.920	.514	12.25	6.99	20	20	60	60
																					67	*67*	*260*	*260*
PLOT							BA = 224.00				T/A = 133.547										9,042	9,050	38,039	38,039
0006	0001	B1	1	DF	T	1	14.6	16	86	F	74	103		1xx	37						41	41	163	163
				Count			BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0002	B1	1	DF	L	1	18.4	16	86	F	91	116		1xx	36						76	75	309	309
				Count			BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0003	B1	1	DF	T	1	14.6	16	86	F	74	103		1xx	37						41	41	163	163
				Count			BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0004	B1	1	DF	L	1	18.4	16	86	F	91	116		1xx	36						76	75	309	309
				Count			BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0005	B1	1	DF	T	1	14.6	16	86	F	74	103		1xx	37						41	41	163	163
				Count			BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0006	B1	1	DF	T	1	14.6	16	86	F	74	103		1xx	37						41	41	163	163
				Count			BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0007	B1	1	DF	L	1	18.4	16	86	F	91	116		1xx	36						76	75	309	309
				Count			BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0008	B1	1	DF	T	1	14.6	16	86	F	74	103		1xx	37						41	41	163	163
				Count			BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0009	B1	1	DF	T	1	14.6	16	86	F	74	103		1xx	37						41	41	163	163
				Count			BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0010	B1	1	DF	L	1	18.4	16	86	F	91	116		1xx	36						76	75	309	309
				Count			BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0011	B1	1	DF	T	1	14.6	16	86	F	74	103		1xx	37						41	41	163	163
				Count			BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0012	B1	1	DF	L	1	18.4	16	86	F	91	116		1xx	36						76	75	309	309
				Count			BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0013	B1	1	WH	L	1	15.8	16	82	F	56	83		1xx	29						38	38	122	122
				Count			BA = 31.63				T/A = 23.341										*38*	*38*	*122*	*122*
	0014	B1	1	WH	L	1	15.8	16	82	F	56	83		1xx	29						38	38	122	122
				Count			BA = 31.63				T/A = 23.341										*38*	*38*	*122*	*122*
	0015	B1	1	DF	L	1	18.4	16	86	F	91	116		1xx	36						76	75	309	309

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	30	U4: DXD17	TIMB	28.00	10	113	10/1/2024	S	W

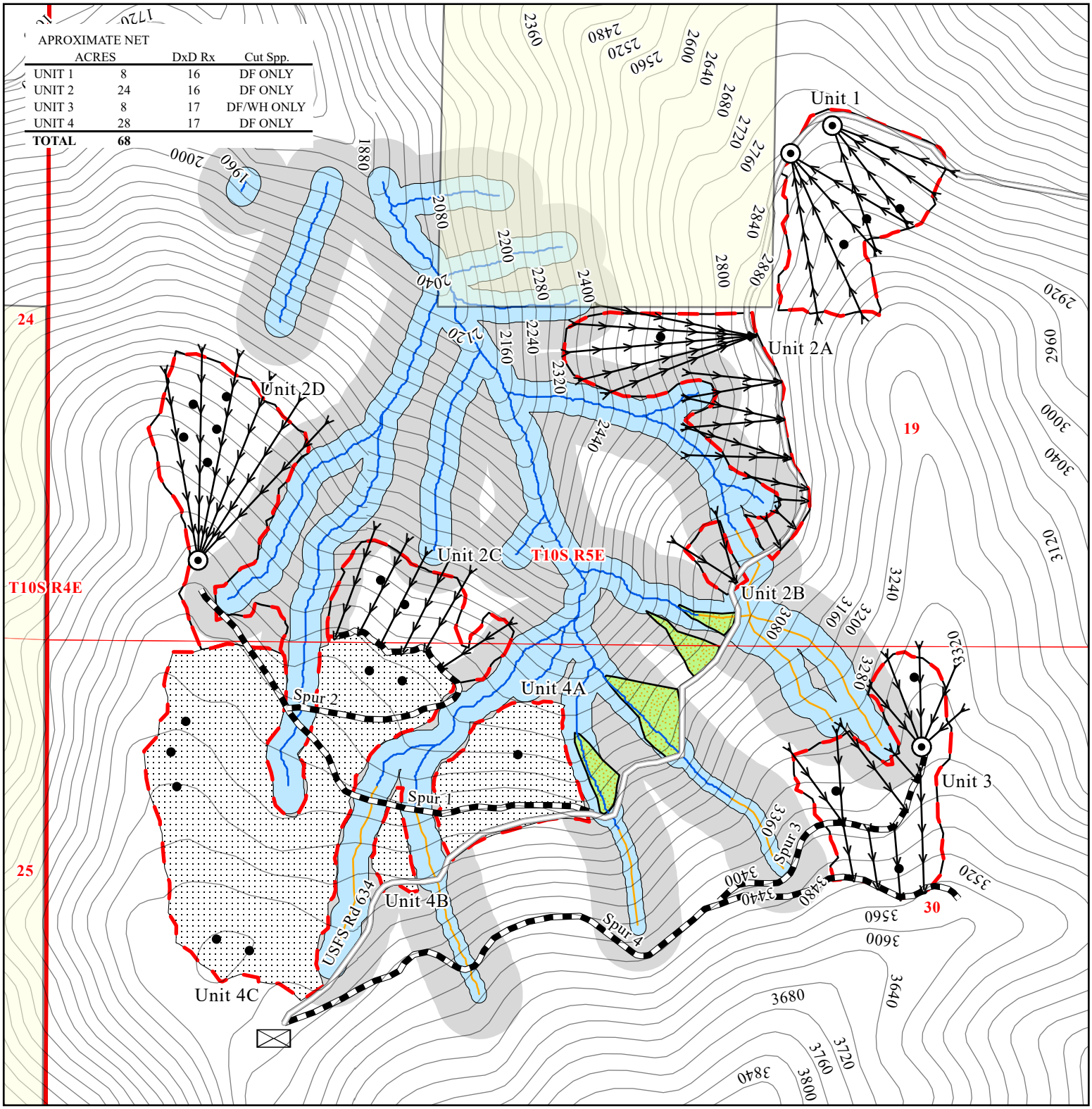
Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
			Count				BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
0006	0016	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36					76	75	309	309
			Count				BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0017	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37					41	41	163	163
			Count				BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
PLOT							BA = 466.96				T/A = 333.487										17,062	17,053	67,387	67,387
0007	0001	B1	1	DF	L	1	18.7	16	90	F	92	110		1	82	40	1	.920	.514	18.13	13.23	54	54	240	240
							BA = 24.69				T/A = 12.946			2	83	40	1	.920	.514	13.23	7.54	24	24	70	70
																					78	*78*	*310*	*310*
	0002	B1	1	RC	L	1	11.1	16	82	F	48	67		1	83	40	1	.951	.497	11.67	6.51	17	17	60	60
							BA = 29.74				T/A = 44.262										*17*	*17*	*60*	*60*
	0003	B1	1	WH	L	1	10.0	16	86	F	52	77		1	83	40	1	.944	.542	10.20	6.58	15	15	60	60
							BA = 27.04				T/A = 49.580			2	84	12	2	.944	.542	6.58	5.48	2	2	10	10
																					17	*17*	*70*	*70*
	0004	B1	1	WH	L	1	21.3	16	75	F	20	73		1	84	19	2	.944	.542	21.78	5.66	24	24	20	20
							BA = 35.56				T/A = 14.369										*24*	*24*	*20*	*20*
	0005	B1	1	DF	L	1	17.9	16	88	F	87	105		1	82	40	1	.920	.514	17.60	12.27	47	47	200	200
							BA = 25.83				T/A = 14.779			2	83	40	1	.920	.514	12.27	6.52	20	20	60	60
																					67	*67*	*260*	*260*
	0006	B1	1	DF	L	1	19.8	16	89	F	77	90		1	82	40	1	.920	.514	19.22	13.11	58	58	240	240
							BA = 25.25				T/A = 11.808			2	84	36	2	.920	.514	13.11	5.22	19	19	40	40
																					77	*77*	*280*	*280*
	0007	B1	1	DF	T	1	18.0	16	89	F	84	101		1	82	40	1	.920	.514	17.54	12.35	47	47	200	200
							BA = 25.25				T/A = 14.288			2	84	40	1	.920	.514	12.35	5.96	18	18	40	40
																					66	*65*	*240*	*240*
	0008	B1	1	DF	L	1	14.5	16	87	F	75	97		1	83	40	1	.920	.514	14.34	9.65	30	30	120	120
							BA = 26.42				T/A = 23.042			2	84	35	2	.920	.514	9.65	5.19	10	10	40	40
																					40	*40*	*160*	*160*
	0009	B1	1	DF	T	1	14.2	16	87	F	66	86		1	83	40	1	.920	.514	13.98	9.07	27	27	120	120
							BA = 26.42				T/A = 24.026			2	84	26	2	.920	.514	9.07	5.15	8	8	30	30
																					35	*35*	*150*	*150*
PLOT							BA = 246.21				T/A = 209.101										7,543	7,534	28,296	28,296
0008	0001	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36					76	75	309	309
			Count				BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0002	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37					41	41	163	163
			Count				BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0003	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36					76	75	309	309
			Count				BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0004	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36					76	75	309	309
			Count				BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0005	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36					76	75	309	309
			Count				BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0006	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36					76	75	309	309
			Count				BA = 27.08				T/A = 14.723										*76*	*75*	*309*	*309*
	0007	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37					41	41	163	163
			Count				BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0008	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37					41	41	163	163
			Count				BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*
	0009	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37					41	41	163	163
			Count				BA = 26.76				T/A = 22.968										*41*	*41*	*163*	*163*

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	30	U4: DXD17	TIMB	28.00	10	113	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S	SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
0008	0010	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36						76	75	309	309
		Count					BA = 27.08				T/A = 14.723											*76*	*75*	*309*	*309*
	0011	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37						41	41	163	163
		Count					BA = 26.76				T/A = 22.968											*41*	*41*	*163*	*163*
PLOT							BA = 296.31				T/A = 203.178											11,363	11,352	45,948	45,948
0009	0001	B1	1	DF	L	1	25.0	16	85	F	128	147		1	82	40	1	.920	.514	25.30	17.58	100	100	460	460
							BA = 27.68				T/A = 8.121				82	40	1	.920	.514	17.58	13.25	50	50	240	240
															84	40	1	.920	.514	13.25	6.59	22	22	60	60
																						172	*172*	*760*	*760*
	0002	B1	1	DF	L	1	22.2	16	82	F	123	145		1	82	40	1	.920	.514	22.96	15.05	77	77	360	360
							BA = 29.74				T/A = 11.065				83	40	1	.920	.514	15.05	11.30	38	38	180	180
															84	40	1	.920	.514	11.30	5.52	16	16	40	40
																						131	*131*	*580*	*580*
	0003	B1	1	DF	T	1	14.5	16	85	F	72	94		1	83	40	1	.920	.514	14.54	9.34	30	30	120	120
							BA = 27.68				T/A = 24.140				84	32	2	.920	.514	9.34	5.19	9	9	30	30
																						39	*39*	*150*	*150*
	0004	B1	1	DF	L	1	18.7	16	86	F	98	119		1	82	40	1	.920	.514	18.71	12.86	51	51	200	200
							BA = 27.04				T/A = 14.178				83	40	1	.920	.514	12.86	8.19	23	23	90	90
															84	17	2	.920	.514	8.19	5.14	4	4	20	20
																						78	*78*	*310*	*310*
	0005	B1	1	DF	T	1	16.1	16	85	F	82	104		1	83	40	1	.920	.514	16.18	10.63	39	39	150	150
							BA = 27.68				T/A = 19.580				84	40	1	.920	.514	10.63	5.52	14	14	40	40
																						52	*53*	*190*	*190*
	0006	B1	1	DF	L	1	14.7	16	85	F	65	84		1	83	40	1	.920	.514	14.68	9.09	30	30	120	120
							BA = 27.68				T/A = 23.487				84	25	2	.920	.514	9.09	5.13	7	7	30	30
																						37	*37*	*150*	*150*
	0007	B1	1	DF	L	1	21.2	16	86	F	123	145		1	82	40	1	.920	.514	21.30	15.07	73	73	360	360
							BA = 27.04				T/A = 11.031				83	40	1	.920	.514	15.07	11.32	38	38	180	180
															84	40	1	.920	.514	11.32	5.52	16	16	40	40
																						126	*127*	*580*	*580*
	0008	B1	1	DF	T	1	16.3	16	84	F	78	98		1	83	40	1	.920	.514	16.48	10.49	39	39	150	150
							BA = 28.34				T/A = 19.560				84	38	2	.920	.514	10.49	5.15	13	13	40	40
																						52	*52*	*190*	*190*
	0009	B1	1	DF	T	1	12.5	16	86	F	72	101		1	83	40	1	.920	.514	12.47	8.34	23	23	90	90
							BA = 27.04				T/A = 31.731				84	32	2	.920	.514	8.34	5.29	8	8	30	30
																						30	*31*	*120*	*120*
	0010	B1	1	WH	L	1	20.0	16	70	F	74	90		1	83	40	1	.944	.542	22.87	10.87	64	64	150	150
							BA = 40.82				T/A = 18.709				84	34	2	.944	.542	10.87	5.22	12	12	40	40
																						75	*76*	*190*	*190*
	0011	B1	1	DF	L	1	22.7	16	86	F	113	131		1	82	40	1	.920	.514	22.76	15.88	77	77	360	360
							BA = 27.04				T/A = 9.622				83	40	1	.920	.514	15.88	11.10	38	38	180	180
															84	32	1	.920	.514	11.10	5.07	13	13	30	30
																						128	*128*	*570*	*570*
	0012	B1	1	DF	L	1	21.1	16	85	F	112	133		1	82	40	1	.920	.514	21.32	14.62	69	69	290	290
							BA = 27.68				T/A = 11.400				83	40	1	.920	.514	14.62	10.31	32	32	150	150
															84	31	2	.920	.514	10.31	5.12	11	11	30	30
																						112	*112*	*470*	*470*
	0013	B1	1	DF	T	1	15.9	16	84	F	81	103		1	83	40	1	.920	.514	16.10	10.37	39	39	150	150
							BA = 28.34				T/A = 20.557				84	40	1	.920	.514	10.37	5.35	14	14	40	40
																						52	*53*	*190*	*190*
	0014	B1	1	DF	L	1	26.4	16	85	F	127	145		1	82	40	1	.920	.514	26.71	18.52	109	109	530	530
							BA = 27.68				T/A = 7.282				82	40	1	.920	.514	18.52	13.80	54	54	240	240
															83	40	1	.920	.514	13.80	6.46	22	22	60	60
																						185	*185*	*830*	*830*
PLOT							BA = 401.51				T/A = 230.463											16,530	16,561	66,118	66,118
0010	0001	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37						41	41	163	163
		Count					BA = 26.76				T/A = 22.968											*41*	*41*	*163*	*163*
	0002	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36						76	75	309	309
		Count					BA = 27.08				T/A = 14.723											*76*	*75*	*309*	*309*
	0003	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37						41	41	163	163
		Count					BA = 26.76				T/A = 22.968											*41*	*41*	*163*	*163*

TWP	RGE	SC	TRACT	TYPE	ACRES	PLOTS	TREES	CRUISED DATE	CuFt	BdFt
10S	05E	30	U4: DXD17	TIMB	28.00	10	113	10/1/2024	S	W

Plot	Tree No.	PF	A	Spc	S	C T	DBH	FF	FF	T D	Bole Hgt	Tot. Hg	PRDVT	S	SG	Len	FIFI	Bark	Ao	Dia Butt	Dia Top	Gross CuFt	Net CuFt	Gross BdFt	Net BdFt
0010	0004	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36						76	75	309	309
	Count						BA = 27.08				T/A = 14.723											*76*	*75*	*309*	*309*
	0005	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36						76	75	309	309
	Count						BA = 27.08				T/A = 14.723											*76*	*75*	*309*	*309*
	0006	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36						76	75	309	309
	Count						BA = 27.08				T/A = 14.723											*76*	*75*	*309*	*309*
	0007	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37						41	41	163	163
	Count						BA = 26.76				T/A = 22.968											*41*	*41*	*163*	*163*
	0008	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37						41	41	163	163
	Count						BA = 26.76				T/A = 22.968											*41*	*41*	*163*	*163*
	0009	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37						41	41	163	163
	Count						BA = 26.76				T/A = 22.968											*41*	*41*	*163*	*163*
	0010	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36						76	75	309	309
	Count						BA = 27.08				T/A = 14.723											*76*	*75*	*309*	*309*
	0011	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36						76	75	309	309
	Count						BA = 27.08				T/A = 14.723											*76*	*75*	*309*	*309*
	0012	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36						76	75	309	309
	Count						BA = 27.08				T/A = 14.723											*76*	*75*	*309*	*309*
	0013	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37						41	41	163	163
	Count						BA = 26.76				T/A = 22.968											*41*	*41*	*163*	*163*
	0014	B1	1	WH	L	1	15.8	16	82	F	56	83		1	xx	29						38	38	122	122
	Count						BA = 31.63				T/A = 23.341											*38*	*38*	*122*	*122*
	0015	B1	1	DF	T	1	14.6	16	86	F	74	103		1	xx	37						41	41	163	163
	Count						BA = 26.76				T/A = 22.968											*41*	*41*	*163*	*163*
	0016	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36						76	75	309	309
	Count						BA = 27.08				T/A = 14.723											*76*	*75*	*309*	*309*
	0017	B1	1	DF	L	1	18.4	16	86	F	91	116		1	xx	36						76	75	309	309
	Count						BA = 27.08				T/A = 14.723											*76*	*75*	*309*	*309*
PLOT							BA = 462.72				T/A = 316.624											17,461	17,449	69,901	69,901
TYPE							BA = 308.50				T/A = 221.726											11,444	11,435	45,708	45,708



LOGGING PLAN

FOR TIMBER SALE CONTRACT #NC-341-2026-GF8723-01
KINNEY GNA
PORTIONS OF SECTIONS 19 & 30, T10S, R6E W.M.
LINN COUNTY, OREGON
USFS DETROIT RANGER DISTRICT, WILLAMETTE NATIONAL FOREST
North Cascade District GIS
October, 2024

This product is for informational use and may not be suitable for legal, engineering, or surveying purposes.

1:6,360

0 375 750 1,500 Feet

N

Legend

- Timber Sale Boundary
- Private Industrial Ownership
- No Harvest Buffer
- DTR Location
- Improvement of Exsisting Temp Roads
- End Haul Area
- Special Habitat
- Stream Class 3 60'
- Stream Class 4 30'
- Proposed Landing
- Cable
- Ground
- Proposed Corridors