



PROSPECTUS

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Springfield Interagency Office, Northwest Oregon District
3106 Pierce Parkway, Suite E, Springfield, Oregon 97477
<http://www.blm.gov>



May 29, 2019

Parcel No. 1
Contract No. ORN03-TS19-327
Siuslaw Field Office

Nails Creek -- SBA Set-Aside Sale

TIMBER SALE NOTICE

NOTICE IS HEREBY GIVEN that the Bureau of Land Management will offer for sale timber as described herein for oral auction, pursuant to Instructions to Bidders, as stated on Form No. 5440-9, attached. Written and oral bids will be received by the District Manager, or her representative, at the **NORTHWEST OREGON DISTRICT'S SPRINGFIELD INTERAGENCY OFFICE, 3106 PIERCE PARKWAY, SPRINGFIELD, OREGON**. The timber sale will commence at 10:00 a.m. on Thursday, **June 27, 2019**.

This Timber Sale Notice does not constitute the decision document for purposes of protest and appeal of a forest management decision. Consistent with 43 CFR Subpart 5003 - Administrative Remedies, the notice of a timber sale, when published as a legal ad in a newspaper of general circulation shall constitute the decision document for purposes of protest and appeal. Protests may be filed with the Contracting Officer within 15 days of the publication of the aforementioned decision document in the newspaper. It is anticipated that the decision document will be published in The Register-Guard newspaper on or about **May 29, 2019**. BLM does not warrant publication on this exact date. All parties considering protest of the timber sale decision document are encouraged to review the aforementioned newspaper to ensure accurate knowledge of the exact publication date.

A WRITTEN BID on Form 5440-9 at not less than the appraised price on a unit basis per species and the required minimum bid deposit shall be required to participate in oral bidding for each tract.

FOR SBA SET-ASIDE TRACTS, the bidder must not have been determined by the Small Business Administration to be ineligible for preferential award for set-aside sales and must accompany the bid deposit with a self-certification statement that the bidder is qualified as a small business concern as defined by the Small Business Administration in its regulations, Title 13, Chapter I, Part 121 (Revision 7) as amended, of the Code of Federal Regulations. The Form 5430-1 Self Certification Statement is attached hereto. The successful bidder will be required to sign SBA Form 723 "Small Business Certification Required on All Preferential Sales of Set-Aside Timber" at the time the timber sale contract is signed. Section 2(a) of Form 723 requires that successful bidders on SBA set-aside tracts must comply with delivery requirements pertaining to timber volume. No more than 30 percent of the timber volume from a set-aside sale may be delivered for manufacturing to a business that is not a small business, as defined by the SBA (13 CFR 121.507 (a)). A copy of SBA form 723 is attached.

THE SUCCESSFUL BIDDER, as a condition of award, will be required to complete and/or sign the following forms:

1. Form 5430-11, a certification that the bid was arrived at by the bidder or offerer independently, and was tendered without collusion with any other bidder or offerer.
2. Form 5450-17, Export Determination.

PRE-AWARD QUALIFICATIONS. The high bidder may be required to furnish information to determine the ability to perform the obligations of the contract. If the high bidder is determined not qualified, not responsible or refuses to respond within 15 days of a request for information pertaining to qualifications, the contract may be offered and awarded for the amount of the high bid to the highest of the bidders who is qualified, responsible, and willing to accept the contract.

A PERFORMANCE BOND in an amount not less than 20 percent of the total purchase price will be required for all contracts of \$2,500 or more, but the amount of the bond shall not be in excess of \$500,000, except when the Purchaser opts to increase the minimum bond as provided in 43 CFR 5451.2. A minimum performance bond of not less than \$500 will be required for all installment contracts less than \$2,500.

INSTALLMENT PAYMENTS may be authorized for sales of \$500 or more. Required installments will be determined by BLM. For sales under \$500,000, installments will not be less than 10% of the total purchase price. For sales of \$500,000 or more, installment payments shall be \$50,000.

LOG EXPORT AND SUBSTITUTION. All timber sales, including timber from Federal rights-of-ways, shall be subject to the restrictions relating to the export and substitution of unprocessed timber from the United States in accordance with P.L. 94-165 and 43 CFR 5400 and 5424, as amended.

LOG EXPORT AND SUBSTITUTION RESTRICTIONS. Excepting Port-Orford-cedar, all timber offered for sale hereunder is restricted from export from the United States in the form of unprocessed timber and is prohibited from being used as a substitute for exported private timber.

The BLM has revised the log export restrictions special provision to reduce the log branding and painting requirements. The new requirements include branding of one end of all logs with a scaling diameter of over 10 inches. All loads of 11 logs or more, regardless of the diameter of the logs, will have a minimum of 10 logs branded on one end. All logs will be branded on loads of 10 logs or less. One end of all branded logs will be marked with yellow paint. At the discretion of the Contracting Officer, the Purchaser may be required to brand and paint all logs. The Purchaser shall bear any increased costs for log branding and painting.

ADDITIONAL INFORMATION concerning each timber sale tract described herein is available at the above District Office. A copy of the timber sale contract is also available for inspection at this District Office. This prospectus includes maps and tables that cannot be made Section 508 compliant. For help with its data or information, please contact the Northwest Oregon District's Springfield Interagency Office at (541) 683-6776.

THE VOLUMES LISTED herein are estimates only, based on 16-foot taper breaks, which must be taken into consideration if comparisons are made with volume predictions based on other standards. The volumes based on 32-foot taper breaks are shown for comparison purposes. No sale shall be made for less than the total purchase price, without regard to the amount bid per unit, even though quantity of timber actually cut or removed or designated for taking is more or less than the estimated volume or quantity so listed.

AN ENVIRONMENTAL ASSESSMENT was prepared for Nails Creek timber sale, and a Finding of No Significant Impact has been documented. These documents are available for inspection as background for this sale at the Northwest Oregon District's Springfield Interagency Office.

ACCESS to a sale may be through a locked gate (see individual sale information). Prospective bidders may obtain a key from the Northwest Oregon District's Springfield Interagency Office. Any other persons interested in visiting the timber sale site should first contact this office at (541) 683-6600.

Attachments:

- Form 5440-9
- Form 5430-11
- Form 5450-17
- Form 5450-22
- Form 5430-1
- SBA Form 723

NORTHWEST OREGON DISTRICT
SIUSLAW FIELD OFFICE

**TIMBER SALE NOTICE
LUMP SUM
EUGENE MASTER UNIT
SBA Sale**

PARCEL NO.: 1
SALE DATE: June 27, 2019

Contract No.: ORN03-TS19-327, Nails Creek
Lane County, Oregon: O&C: Oral Auction

Bid Deposit Required: \$197,400.00

All timber designated for cutting on Lots 1 and 2, SW1/4NW1/4, NW1/4SW1/4; Section 1, T. 16 S., R. 6 W., Will. Mer.

Estimated Volume 32' Log (MBF)	Species	Estimated Volume 16' Log (MBF)	Appraised Price Per MBF	Estimated Volume Times Approx. Price
5,518	Douglas-fir	6,527	\$ 302.30	\$ 1,973,112.10
1	Bigleaf Maple	1	\$ 19.00	19.00
5,519	TOTALS	6,528		\$ 1,973,131.10

APPRAISED PRICES are calculated by determining market value through the analytical appraisal method. The minimum bid increment will be \$0.10 per MBF or multiples thereof.

LOG EXPORT RESTRICTIONS: All timber offered for sale hereunder is restricted from export from the United States in the form of unprocessed timber and is prohibited from being used as a substitute for exported private timber.

NOTE: The volume for this timber sale has been calculated using 16 foot eastside Scribner rules, and the 32 foot log volumes are estimates derived from the 16 foot volumes.

CRUISE INFORMATION: All bigleaf maple volumes are based on a 100% cruise using the **National Cruise Processing Program** for estimating board foot volume of trees in 16-foot logs.

Volume for all Douglas-fir in the Regeneration Harvest Area was variable plot cruised. Plot data is then used to calculate v-bar and basal area per acre using the National Cruise Processing Program. The basal area was determined with a Relaskop using a 40 BAF. This sale contains a total of 138 plots. A total of 94 sample trees were randomly selected on these plots to determine v-bar. A map showing the location and description of these sample trees is available at the Northwest Oregon District's Springfield Interagency Office.

With respect to merchantable Douglas-fir (sample) trees: The average tree is 25.7" DBHOB; the average log contains 182 bd. ft.; the total gross merchantable volume is approximately 6,805 MBF; and 94% recovery is expected.

CUTTING AREA: One area totaling approximately 98 acres must be regeneration harvested, and approximately 3.8 acres of right-of-way shall be clearcut.

ACCESS: Access to the sale is provided by:

1. A public road;
2. BLM existing roads;
3. BLM roads to be constructed;

ROAD MAINTENANCE: The Purchaser shall pay BLM a rockwear fee of \$2,604.89. In addition to the quantities shown below, 200 cubic yards (truck measure) of maintenance rock is required. Additional road reinforcement (rocking) may be required for wet weather haul and will be at the Purchaser's expense. Load tickets are required for maintenance rock accounting. See Exhibit D map for specification of road maintenance responsibility. Only the map page of Exhibit D is included in the Prospectus. Refer to the contract file for the full Exhibit D.

ROAD CONSTRUCTION:

Spur A and Road No. 16-6-1.1
Length: 10.25 Stations
Class: SN14

Special Requirements in Road Construction: Operations limited to periods of dry weather.

ROAD RENOVATION:

Road Nos. 16-6-1, 16-6-1.3, and 16-6-2 Seg. A
Length: 24.09 Stations
Class: SN14 / SN16

Special Requirements in Road Renovation: Operations may be limited to periods of dry weather. Dust abatement (watering) shall be applied during periods of dry weather on Road No. 16-6-2 Seg. A from MP 0.00 to 0.25.

ROAD IMPROVEMENT:

Road Nos. 16-6-1.2, 16-6-2 Seg. B, Templeton Road curve widening

Length: 30.03 Stations

Class: SN14 / SN16

Special Requirements in Road Improvement: Operations limited to periods of dry weather.

Culverts**Diameter:**
18"**Length:**
240'**Number:**
7

Suggested Rock Source: Commercial, Junction City Vicinity

Estimated Rock Quantities (CY truck measure)

3/4" minus
2551-1/2" minus
3753" minus
1,8056" minus
2,5196" open
40**Total Estimated Exhibit C Road Costs (construction, renovation, and improvement): \$133,905.06****DURATION OF CONTRACT:** Duration of the contract will be 24 months for cutting and removal of timber.**SPECIAL PROVISIONS:** The contract will contain special provisions regarding road construction, road renovation, improvement, road maintenance, logging methods, prevention of erosion, falling of snags, creation of snags, logging residue reduction, and submission of a written logging plan specifying logging methods, and logging schedule.

Under Sec. 26 of the timber sale contract, tractor logging will be prohibited during periods of excessive soil moisture. This will normally limit tractor logging to July, August and September.

A Special Provision has been added that expands on safety and temporary traffic control measures required under the contract.**A revised Special Provision has been added to the contract which enables the Contracting Officer to suspend the contract to facilitate protection of certain plant or animal species, and/or to modify or terminate the contract when necessary to: (1) comply with the Endangered Species Act or to prevent incidental take of northern spotted owls in accordance with management direction in the Record of Decision (ROD) and Resource Management Plan (RMP), or; (2) comply with a court order, or; (3) protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines or management direction established in the ROD and RMP.****OTHER SPECIAL REQUIREMENTS:**

- Reserve trees shall not be felled or damaged during logging operations, except when necessary for safety and shall remain on site.
- Trees designated for cutting shall be whole tree yarded or yarded with tops attached.
- Directionally fall timber away from oak trees and layout yarding corridors and skid trails to avoid oak trees.
- Site preparation (piling, covering, and burning) is required on approximately eighteen acres.
- Fireline construction, broadcast burning, and mop-up is required on approximately fifty acres.
- Pile, cover, and burn slash within 25 feet of roads and landings.
- Sec. 42(f) contains explicit instruction on requirements for equipment and personnel involved in burning.
- Curve widening is required on Templeton Road (County Rd. No. 3635).
- Comply with the terms and conditions of Facility Permit #180788 from Lane County Department of Public Works for work (curve widening) on Templeton Road.
- Gate installation is required on Road No. 16-6-2 Seg. B.
- Select and girdle 99 trees (57 high girdle and 42 low girdle) for snag creation.

- Upon completion of hauling, all decommissioning shall be completed during the dry season and as directed by the Authorized Officer. Decommissioning measures may include:
 - Decompact skid trails and natural surfaced roads with decompaction equipment, such as a track mounted excavator.
 - Construct drainage dips, waterbars, and/or lead-off ditches.
 - Place logging slash greater than 6 inches in diameter, where available, on surfaces in a discontinuous pattern.
 - Block at entry points using stumps, slash, and/or cull logs as directed by the Authorized Officer.

OPTIONAL CONTRIBUTION:

The Purchaser will have the option of constructing fire trails or contributing \$6,832.98 in lieu thereof, and conducting prescribed burning and mop-up or contributing \$23,446.50 in lieu thereof. These options must be declared prior to contract execution. Piling and covering are not included in the Optional Contribution and will remain the responsibility of the Purchaser. If the Purchaser has made a contribution and later elects to remove all of the slash required to be piled, covered, and burned, the contribution will be refunded.

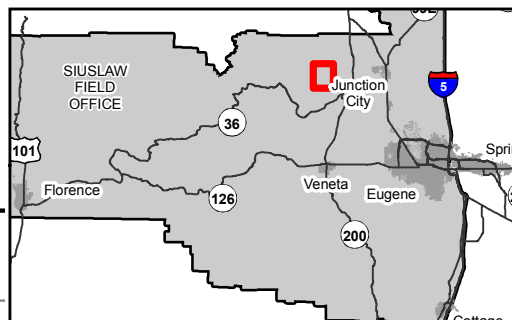
NARRATIVE DESCRIPTION OF HOW TO GET TO THE TIMBER SALE AREA:

From Junction City, travel west on West 1st Avenue/High Pass Road (County Road No. 3455) approximately 9 miles to the junction with Templeton Road (County Road No. 3635). Turn south onto Templeton Road and travel approximately 0.7 miles to the junction of Road No. 16-6-2 and follow the Timber Sale Area signs to the sale area.

For further information contact Christopher Finn at (541) 683-6421.



Timber Sale Location Map Nails Creek T. 16 S., R.6 W., Sec. 1

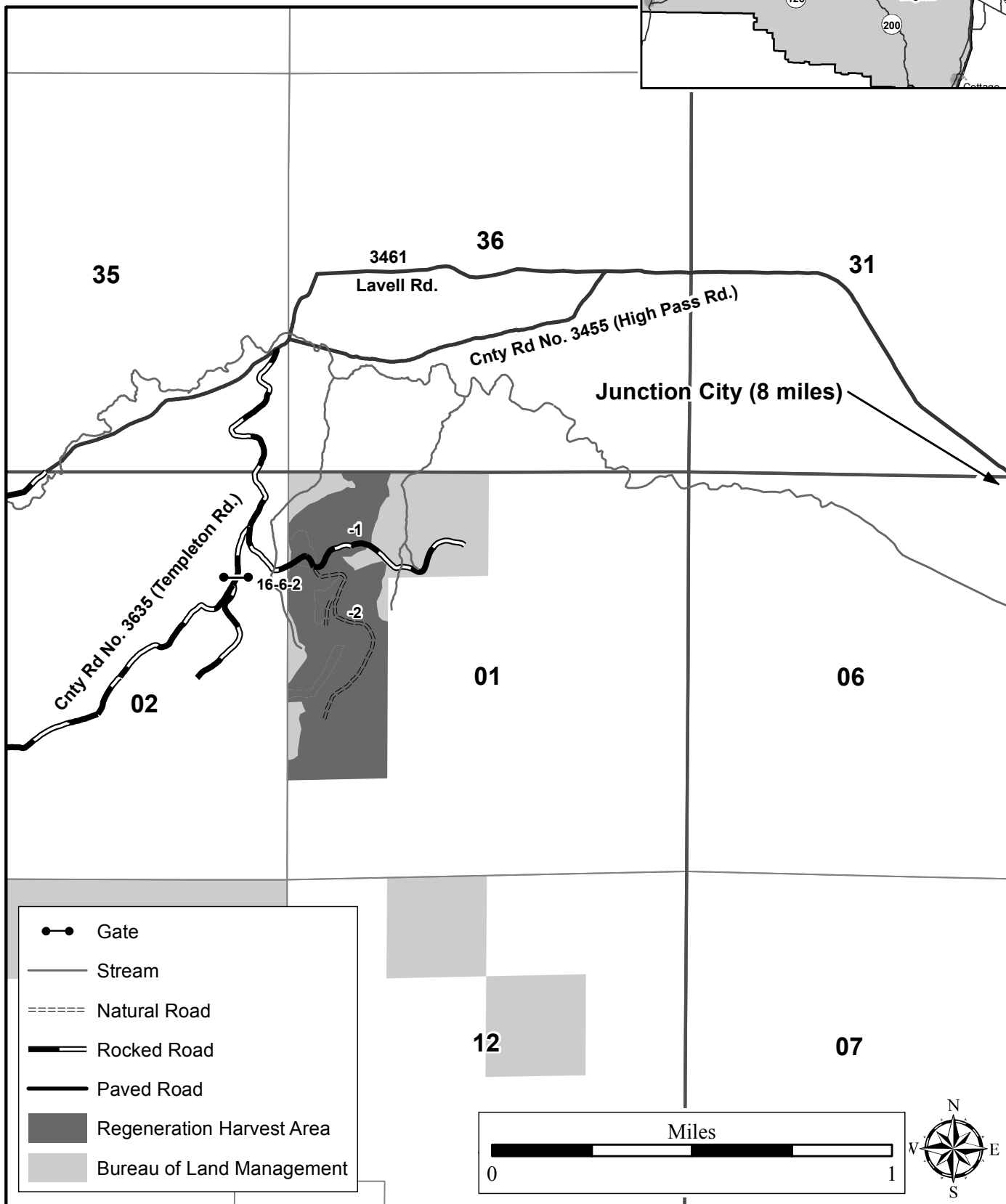


T. 15 S.

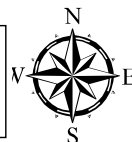
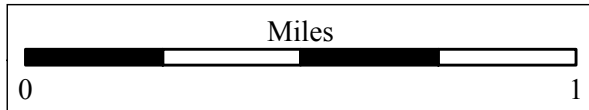
T. 16 S.

T. 15 S.

T. 16 S.



- Gate
- Stream
- Natural Road
- Rocked Road
- Paved Road
- Regeneration Harvest Area
- Bureau of Land Management



R. 6 W.

R. 5 W.

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.

Seasonal Restriction Matrix

Restricted Periods are Shaded and X'd.

	Jan		Feb		Mar		Apr		May		June		July		Aug		Sept		Oct		Nov		Dec	
	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15	1	15
<u>Ground-based yarding</u>																								
<u>Regeneration Harvest Areas</u>																								
<ul style="list-style-type: none"> Typically October 1 – June 30; may vary due to weather conditions. 																								
<u>Right-of-Way logging and clearing</u>																								
<u>Right-of-Way Areas</u>																								
<ul style="list-style-type: none"> Typically October 1 – May 31; may vary due to weather conditions. 																								
<u>Hauling on natural-surfaced roads</u>																								
<u>Regeneration Harvest Areas</u>																								
<ul style="list-style-type: none"> Typically October 15 – May 31; may vary due to weather conditions. 																								

NOTE: This chart is for informational purposes only. Refer to Section 42 Special Provisions of the timber sale contract for exact date restrictions and stipulations.

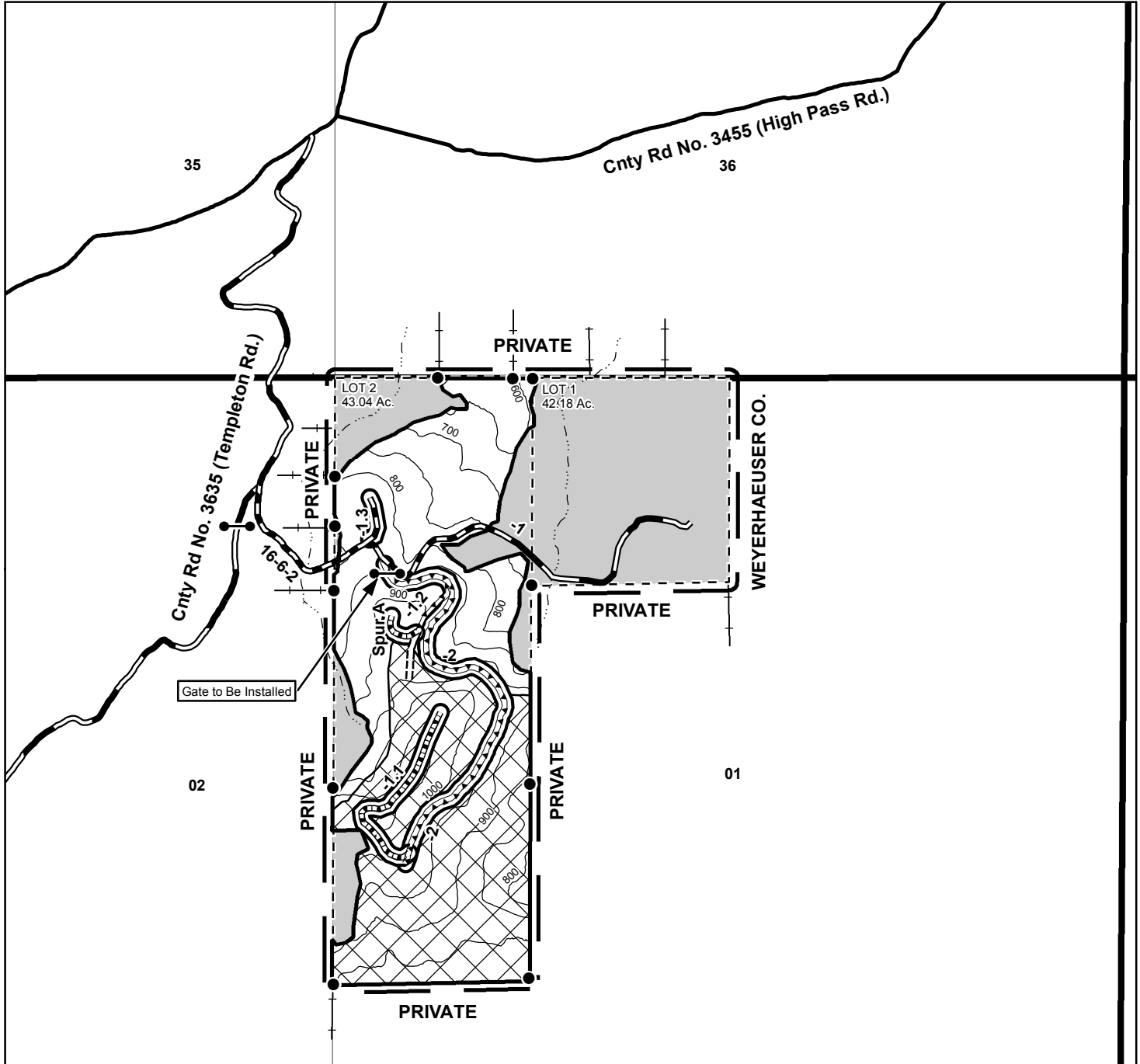


No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.

UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Land Management

Nails Creek Timber Sale Contract No. ORN03-TS19-327
T. 16 S., R. 6 W., Sec. 1, Northwest Oregon District

Exhibit A



- | | |
|--|-------------------|
| Boundary - Cutting Area (Blazed, Painted & Posted) | Construction |
| Regeneration Harvest Area | Renovation |
| Directional Falling | Improvement |
| Reserve Area | Natural Road |
| Contract Area | Rocked Road |
| Found Corner | Paved Road |
| Gate | Right of Way Area |
| | Stream |
| | Property Line |

Regeneration Harvest Area	98.00
Right of Way Area	3.80
Reserve Area	63.42
Contract Area	165.22 A

Feet
0 500 1,000 1,500

pcastelli

P:\nw\Siustlaw\Projects\TimberSale\2019\NailsCreek\EX_A_Nails_Creek_sec_01.mxd

3/20/2019

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORN03-TS19-327

Nails Creek

LUMP SUM SALE

The following estimates and calculations of value of timber sold are made solely as an administrative aid for determining: (1) adjustments made or credits given in accordance with Secs. 6, 9, or 11; (2) when payments are due; and (3) value of timber subject to any special bonding provisions. The value of timber will be determined by multiplying the value per acre as shown below, times the amount of acreage as determined by the Authorized Officer, which has been cut or removed or designated for taking. Except as provided in Sec. 2, Purchaser shall be liable for total purchase price even though quantity of timber actually cut or removed or designated for taking is less than the estimated volume or quantity shown. Cutting areas are shown on **Exhibit A**.

SPECIES	ESTIMATED VOLUME OR QUANTITY <i>(Units Specified)</i>	PRICE PER UNIT	AMOUNT OF ESTIMATED VOLUME OR QUANTITY X UNIT PRICE
Douglas-fir	6,527.0 MBF		
Western hemlock	1.0 MBF		
TOTALS	6,528.0 MBF		

The apportionment of the total purchase price is as follows:

ReGen Harvest Area – 98 Acres	(64.1 MBF/Acre)
Douglas-fir	6,284.0 MBF
Bigleaf maple	1.0 MBF
	<hr/> 6,285.0 MBF

<u>Right-of-Way Area</u> – 3.8 Acres	(63.9 MBF/Acre)
Douglas-fir	243.0 MBF

T. 15 S.

T. 16 S.

High Pass Rd.
(Co. Rd. No. 3455)

To Junction City →

High Pass Rd.
(Co. Rd. No. 3455)

County Rd. No. 3635

35

36

Templeton Rd. (County Rd. No. 3635)

02

01

R. 06 W.

SALE NAME: Nails Creek
CONTRACT NO.: ORN03-TS19-327

- | | |
|------------------|--------------------|
| County Maint. | Gate |
| Purchaser Maint. | BLM |
| Natural Road | Private |
| Paved Road | Road Segment Break |
| Rocked Road | Road Segment |
| Timber Haul | |
| Rock Haul | |

United States Department of the Interior
Bureau of Land Management
Northwest Oregon District Siuslaw Field Office

Road Maintenance Map

T. 16 S., R. 6 W., Sec. 1

Willamette Meridian

Lane County, Oregon

Designed By:	<u>M. Fieber</u>
Drawn By:	<u>M. Fieber</u>
Date:	<u>3/12/2019</u>
No Scale	

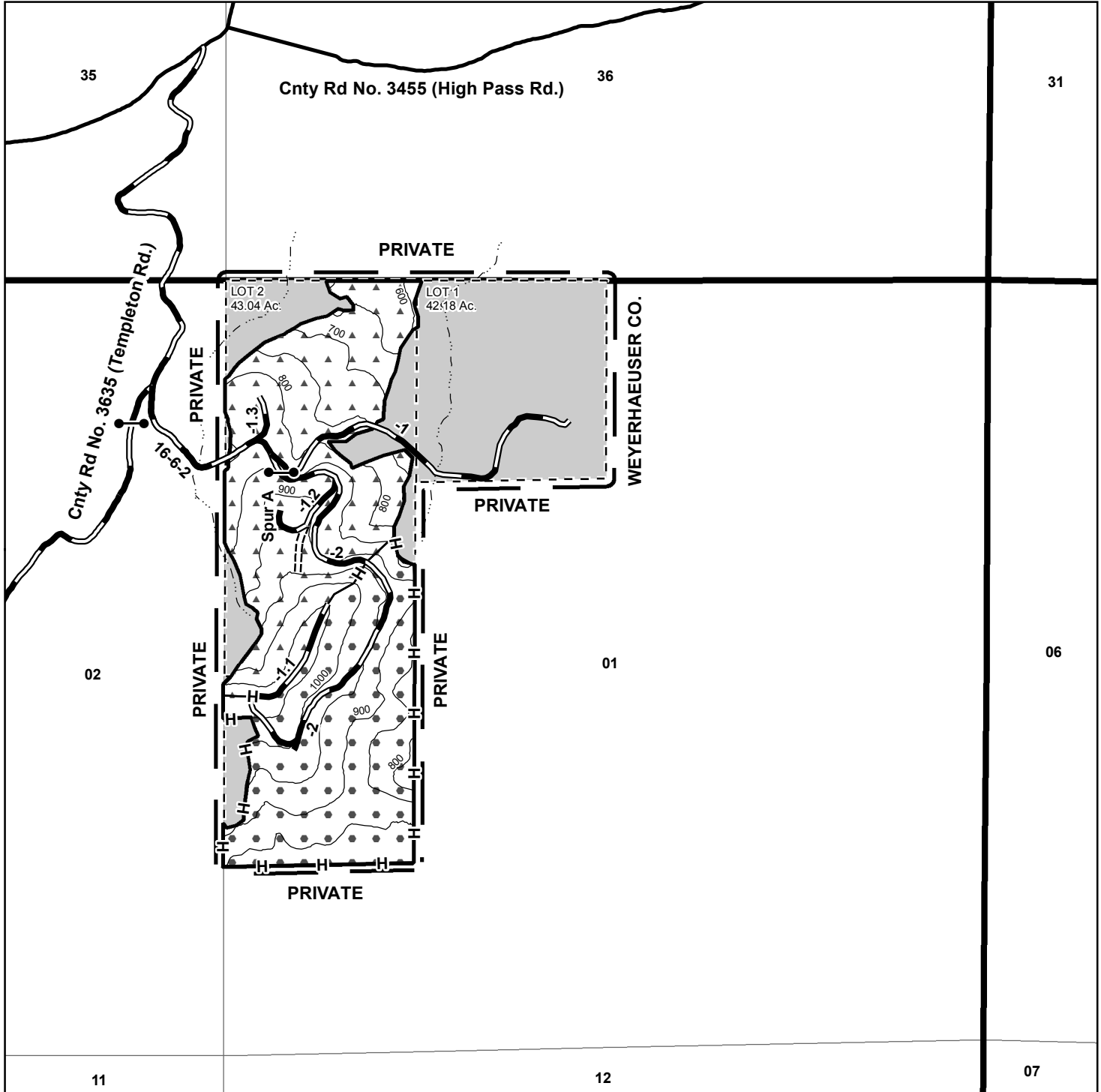


UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Land Management

Exhibit F

Nails Creek Timber Sale Contract No. ORN03-TS19-327
T. 16 S., R. 6 W., Sec. 1, Northwest Oregon District

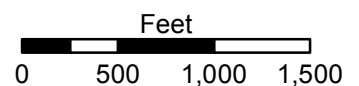
No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.



- Contract Area
- █ Reserve Area
- H—H Fire Line
- ▲▲▲ Site Preparation and Piling
- Potential Area of Broadcast Burn
- == Rocked Road
- Paved Road
- ==== Natural Road
- Stream
- Gate



Regeneration Harvest Area	98.00
Right of Way Area	3.80
Reserve Area	63.42
Contract Area	165.22 A



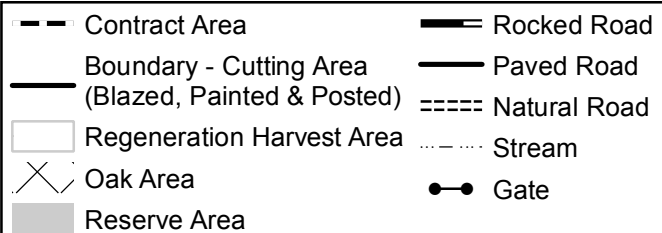
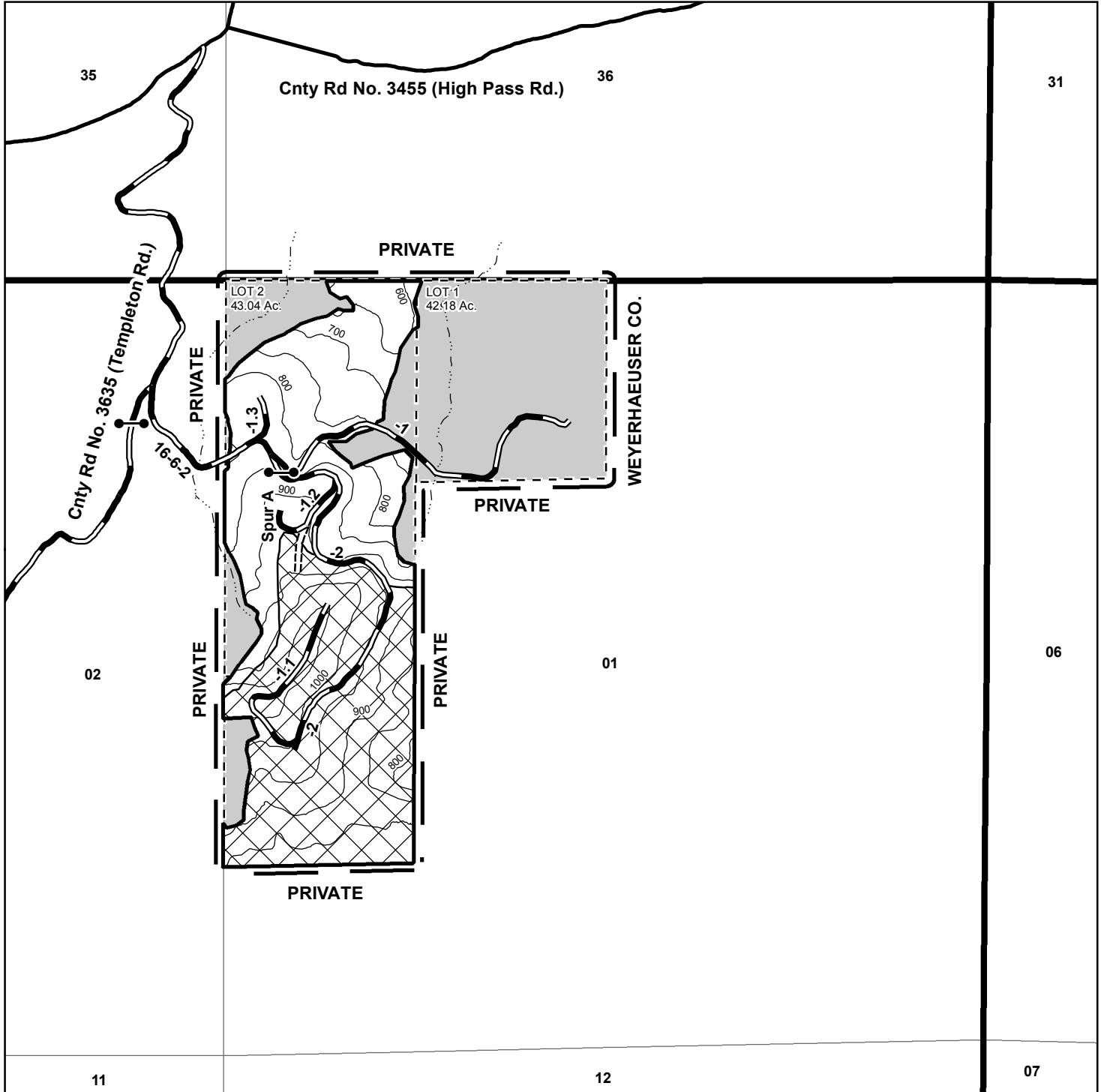


UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Land Management

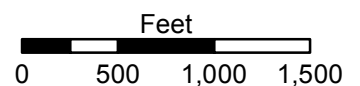
Exhibit G

Nails Creek Timber Sale Contract No. ORN03-TS19-327
T. 16 S., R. 6 W., Sec. 1, Northwest Oregon District

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification.



Regeneration Harvest Area	98.00
Right of Way Area	3.80
Reserve Area	63.42
Contract Area	165.22 A



removal of personal property. Any improvements remaining on Government lands and rights-of-way at the end of the period for removal, or any extension, shall become the property of Government. Any equipment or other personal property remaining on Government

land and rights-of-way at the end of this period may be removed at the expense of Purchaser and disposed of in accordance with applicable law.

Sec. 41. Timber Reserved from Cutting - The following timber on this contract area is hereby reserved from cutting and removal under the terms of this contract and is retained as the property of Government.

Contract No. ORN0

Parcel No.

THIS IS A SALE PROSPECTUS ONLY. ATTACHMENTS MAY NOT INCLUDE ALL EXHIBITS REFERRED TO IN THE CONTRACT PROVISIONS. THE COMPLETE CONTRACT, INCLUDING ALL EXHIBITS, IS AVAILABLE FOR INSPECTION AT THE NORTHWEST OREGON DISTRICT SPRINGFIELD INTERAGENCY OFFICE AT 3106 PIERCE PARKWAY, SPRINGFIELD, OREGON.

SALE DATE:

Sec. 42. Special Provisions - Purchaser shall comply with the special provisions which are attached hereto and made a part hereof unless otherwise authorized, in writing, by the Contracting Officer.

IN WITNESS WHEREOF, the parties hereto have executed this contract as of the day first above written.

If Individual or Partnership, sign here:

If Corporation, sign here:

(Name of Firm)

(Name of Corporation)

(Signature)

(Signature)

(Address)

(Title)

(Signature)

UNITED STATES OF AMERICA

(Address)

By _____
(Signature)

(Signature)

(Title)

(Address)

(Date)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

(If Purchaser is a corporation, the following certificate must be executed by the Secretary or Assistant Secretary of the Corporation.)

I, _____, certify that I am the _____ Secretary of the corporation named as Purchaser herein; that _____, who signed the contract was then _____ of said corporation, that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

Signature: _____

SEC. 41 - Timber Reserved From Removal and/or Cutting

- (a) All timber on the Reserve Area shown on Exhibit A and all orange painted and posted trees which are on or mark the boundaries of the Reserve Area.
- (b) All trees marked with orange paint above and below stump height within the Regeneration Harvest Area shown on Exhibit A. These trees shall not be felled or damaged during logging operations, except when necessary for safety. Trees cut for safety reasons shall remain on site.
- (c) In the Regeneration Harvest Area shown on Exhibit A, all Pacific Yew, hardwood trees, and snags which do not present a safety hazard or where removal is not needed for operational activities as determined by the Authorized Officer. All Pacific Yew, hardwood trees, and snags that are felled for safety and operational reasons shall remain on site. Where necessary for safety or operational reasons, Pacific Yew, hardwood trees, and snags may be bucked into shorter lengths and/or moved within the unit as close to where felled as safely possible.
- (d) Existing down woody material greater than 20" diameter at the large end and greater than 20' in length and all downed wood of decay classes 3-5 in the Regeneration Harvest Area shown on Exhibit A. Decay classes are illustrated on Exhibit I, which is attached hereto and made a part hereof. Where necessary for safety or operational reasons, such down woody material may be bucked into shorter lengths and/or moved within the unit.

SEC. 42 - Special Provisions

- (a) The Purchaser agrees not to sell and/or exchange more than 30 percent of the timber or log volume from this preferential sale to concerns that do not meet the Small Business Administration small business size standard (13 CFR 121).

The Purchaser understands that in addition to other penalties, which may be imposed for violating the foregoing, the purchaser may be declared ineligible to participate in future Federal timber sales that are set-aside for preferential bidding by small business qualified concerns for two semi-annual triggered periods succeeding the violation.

The Purchaser shall provide a current, interim Log Scale and Disposition of Timber Removed Report (Form 5460-15) upon request by the Authorized Officer at any time during the contract period for cutting and removal specified in Section 4 of this contract as amended.

(b) Logging

- (1) Before beginning operations on the contract area for the first time or after a shutdown of 14 or more days, the Purchaser shall notify the Authorized Officer in writing of the date he plans to begin operations. This written notification must be received by the Authorized Officer no less than 14 days prior to the date the Purchaser plans to begin or resume operations. The Purchaser shall also notify the Authorized Officer in writing if he intends to cease operations for any period of 10 or more days.
- (2) Prior to the commencement of operations, the Purchaser shall obtain from the Authorized Officer written approval of a written operations and logging plan commensurate with the terms and conditions of the contract which shall include measures needed to assure protection of the environment and watershed. A pre-work conference between the Purchaser's authorized representative and the Authorized Officer's representative must be held at a location designated by the Authorized Officer before the logging plan will be approved. All logging shall be done in accordance with the plan.
- (3) No felling, yarding, or loading shall be permitted in or through the Reserve Area shown on Exhibit A, unless otherwise approved by the Authorized Officer.
- (4) In the Regeneration Harvest Area shown on Exhibit A, all trees designated for cutting shall be felled to lead, whole tree yarded, or yarded with tops attached unless otherwise approved by the Authorized Officer.

- (5) In the Regeneration Harvest Area shown on Exhibit A, the Purchaser shall directionally fall timber away from Reserve Areas, trees reserved in Section 41(b), and oak trees where operationally feasible in, as shown on Exhibit A.
- (6) Prior to attaching any logging equipment to a reserve tree, the Purchaser shall obtain written approval from the Authorized Officer and shall take precautions to protect the tree from damage as directed in writing by the Authorized Officer.
- (7) In the Regeneration Harvest Area shown on Exhibit A, except where ground-based yarding as allowed in Section 42(b)(8), yarding shall be done with a skyline system capable of yarding 1,400 feet slope distance from the landings and laterally yarding at least 75 feet from the skyline roads. The carriage shall be capable of being held in position on the skyline during lateral yarding. Skyline roads shall be spaced a minimum of 150 feet apart at one end, unless otherwise approved by the Authorized Officer. During yarding, the lead end of the log shall be suspended clear of the ground. Yarding over streams will not be allowed. Intermediate supports and/or lift trees may be needed. Before clearing any skyline road necessary for yarding in the Regeneration Harvest Area, the Purchaser shall:
 - (aa) Place skyline roads on the landscape to avoid disturbance to snags and down wood where feasible.
 - (bb) Mark the location of the skyline road on the ground with fluorescent pink flagging. Such skyline roads shall be limited to the minimum width necessary for yarding of logs with minimum damage to reserve trees.
 - (cc) Provide a map of requested skyline road locations a minimum of seven (7) working days in advance of cutting to obtain approval of the locations from the Authorized Officer. Proposed skyline roads shall remain free from felled trees until approved.
 - (dd) Locate cable yarding corridors to avoid oak trees where feasible in the directionally falling area.
- (8) In the Regeneration Harvest Area shown on Exhibit A, ground based equipment is limited to slopes under 35%. Specialized cut to length systems may operate in 35 to 50% slope range, with slash mats, upon approval of the Authorized Officer. Yarding may be done by equipment operated entirely on designated skid trails during periods of low soil moisture. Trees shall be felled to the lead of the skid trails where possible. Before felling and yarding any timber in the area to be logged by ground-based equipment, the Purchaser shall locate and construct designated skid trails as follows:
 - (aa) Skid trails shall be placed on the landscape to avoid disturbance to snags, down wood, and existing rootwads where feasible.
 - (bb) Space designated skid trails at a minimum of 150 feet apart unless otherwise agreed to in writing by the Authorized Officer.
 - (cc) Use existing skid trails where possible.
 - (dd) Limit the width of each skid trail to a maximum of 12 feet.
 - (ee) Limit excavation on designated skid trails to a maximum cut of 1 foot and maximum length of 1,000 feet at any one location with prior approval of the Authorized Officer.
 - (ff) Obtain written approval of completed construction from the Authorized Officer prior to commencing logging operations.
 - (gg) Within 210 feet of streams, locate skid trails at least 75 feet from the posted boundary, unless otherwise approved by the Authorized Officer.
 - (hh) Locate skid trails to avoid oak trees where feasible in the directional falling area.
- (9) Snag Creation
 - (aa) Within the Regeneration Harvest Area shown on Exhibit G, the Purchaser shall select and girdle trees for snag creation within 1 year of the completion of yarding. Select trees marked with orange paint above and below stump height that are less than 50 inches at breast height (DBH). Trees girdled shall be reserved in accordance with Section 41(b).

- (bb) The Purchaser shall select and create a total of ninety-nine (99) snags within the Regeneration Harvest Area by girdling. Eighty-eight (88) snags shall be created in the Oak Area shown on Exhibit G (high girdle 57 trees and low girdle 31 trees). Eleven (11) snags shall be created outside the Oak Area shown on Exhibit G by low girdling.
- (cc) The Purchaser shall tally all trees by diameter class and species on a daily basis. The tally may be requested by the Authorized Officer at any time during girdling operations. At the end of girdling operations a completed tree tally shall be submitted to the Authorized Officer.
- (dd) Trees selected for snag creation shall be located at least 200' from Road Nos. 16-6-1 and 16-6-2 Seg. A and from the property line of Lot 2.
- (ee) All cuts shall completely sever the cambium but not exceed 1/2 inch depth into the wood of the tree.
- (ff) No adjustments of volume or value shall be made to meet these requirements.
- (gg) High Girdle
 - 1. The bark and cambium layer shall be removed from a 12-inch wide or greater band completely encircling the bole of the tree.
 - 2. Trees shall retain at least 15 live limbs greater than 5 feet long below the girdle site.
 - 3. Mark high girdled trees with a band of high visibility pink paint, a painted tree number near DBH, and two pieces of high visibility pink flagging tied on a branch or around the bole directly below the girdle site. Flagging shall extend a minimum of four feet downward and must be visible from the ground.
- (hh) Low Girdle
 - 1. The bark and cambium layer shall be removed from a 12-inch wide or greater band completely encircling the trunk of the tree.
 - 2. Mark base girdled trees with a band of high visibility pink paint and a painted tree number near DBH level.
- (10) Purchaser's operations shall facilitate BLM's safe and practical inspection of Purchaser's operations and BLM's conduct of other official duties on the Contract Area. Purchaser has all responsibility for compliance with safety requirements for Purchaser's employees, contractors and subcontractors.

In the event that the Authorized Officer identifies a conflict between the requirements of this contract or agreed upon methods of proceeding hereunder and State or Federal safety requirements, the contract may be modified. If the cost of such contract modification is of a substantial nature (\$2,000.00 or more), the Purchaser may request, in writing, an adjustment in the total contract purchase price specified in Section 2 of the timber sale contract, as amended, to compensate for the changed conditions.

Unless otherwise specified in writing, when operations are in progress adjacent to or on roads and/or trails in the harvest unit area, Purchaser shall furnish, install, and maintain all temporary traffic controls that provide the road or trail user with adequate warning of and protection from hazardous or potentially hazardous conditions associated with its operations.

Purchaser shall prepare a Traffic Control Plan, which the Purchaser has determined is compliant with state and local OSHA and Transportation standards, no later than the pre-work meeting and prior to commencing operations. Traffic control devices shall be appropriate to current operating and/or weather conditions and shall be covered or removed when not needed. Flagmen and devices shall be as specified in state OSHA and Transportation standards for logging roads or the "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD) published by the U.S. Department of Transportation - Federal Highway Administration. Included in the Traffic Control Plan, Purchaser shall note traffic control device locations on a Purchaser produced copy of the contract Exhibit "A" Map.

(c) Road Construction, Renovation, Improvement, Use, and Maintenance

- (1) The Purchaser shall construct Spur A and Road No. 16-6-1.1; renovate Road Nos. 16-6-1, 16-6-1.3 and 16-6-2 Seg. A; and improve Road Nos. 16-6-1.2, 16-6-2 Seg. B, and Templeton Road curve widening; in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof. Exhibit C contains 31 sheets.
- (2) Prior to removal of any timber, except right-of-way timber, the required construction, renovation, and/or improvement of the haul route for that timber shall be completed as specified in Exhibit C.
- (3) The Purchaser shall rock Spur A and Road Nos. 16-6-1, 16-6-1.1, 16-6-1.2, 16-6-1.3, and 16-6-2 for wet weather haul. Rocking shall be in accordance with Exhibit C. If the Purchaser exercises the option to not rock any of these roads, the purchase price will be increased by the cost of surfacing as appraised at the time of sale.
- (4) Purchaser Maintenance: The Purchaser is authorized to use the roads listed below and shown on Exhibit D which are under the jurisdiction of the Bureau of Land Management, for the removal of Government timber sold under the terms of this contract and/or the hauling of rock as required in Exhibit C, provided that the Purchaser comply with the conditions set forth in Section 42(c)(5) and pay the required rockwear obligation described in Section 42(c)(6).

Road No. and Segment	Length Miles Used	Road Owner	Road Surface Type
Spur A	.03	BLM	Rock
16-6-1	.14	BLM	Rock
16-6-1.1	.17	BLM	Rock
16-6-1.2	.05	BLM	Rock
16-6-1.3	.07	BLM	Rock
16-6-2 Seg. A	.25	BLM	Rock
16-6-2 Seg. B	.51	BLM	Rock

- (5) The Purchaser shall perform any required road repair and maintenance work on roads used by him, under the terms of Exhibit D, "Road Maintenance Specifications", of this contract, which is attached hereto and made a part hereof. This includes dust abatement (watering) on Road No. 16-6-2 Seg. A from MP 0.00 to MP 0.25, in accordance with Exhibit D, Section 3403, and as directed by the Authorized Officer.
- (6) The Purchaser shall pay the Government a road maintenance obligation for rockwear in the amount of Two Thousand Six Hundred Four and 89/100 dollars (\$2,604.89) for the transportation of timber included in the contract price over the roads listed in Section 42(c)(4). Unless the total road maintenance obligation for rockwear amount is paid prior to commencement of operations on the contract area, payments shall be made in installments of not less than One Thousand and 00/100 dollars (\$1,000.00); payable in the same manner as and together with payments required in Sec. 3 of this contract.
- (7) The Purchaser shall comply with the terms of Facility Permit No. 180788 from Lane County Department of Public Works for County Road No. 3635 (Templeton Road). Such terms include, but are not limited to:
 - (aa) The Purchaser must contact Lane County Department of Public Works at (541) 682-6902 a minimum of 2 business days prior to beginning work under this permit to arrange an on-site pre-operations meeting.
 - (bb) Trees designated for cutting shall be cut and decked as directed by the Authorized Officer.
 - (cc) Warning signs and flaggers are required when operating on Templeton Road (County Road No. 3635).
- (8) The Purchaser shall call the Oregon Utility Notification Center (1-800-332-2344) prior to performing any work on Templeton Road and request a line locate.

- (9) The Purchaser also agrees that if he elects to use any private road, other than those provided for in this contract, which is the subject of a right-of-way agreement with the Government, for the removal of Government timber sold under the terms of this contract, he shall request and agree to the modification of this contract to provide for such.

(d) Environmental Protection

- (1) Upon each season's shutdown, and prior to the onset of wet weather, the Purchaser shall block skid trails and natural surfaced roads as directed by the Authorized Officer, and shall place them in an erosion-resistant condition by constructing drainage dips, waterbars, and/or lead-off ditches. The waterbars and drainage dips shall be constructed in accordance with the specifications shown on Exhibit H, which is attached hereto and made a part hereof. Exhibit H contains 2 sheets. Blocking shall be completed as directed by the Authorized Officer.
- (2) In addition to the requirements set forth in Section 26 of this contract, the Purchaser shall, upon completion of hauling, complete the following decommissioning measures according to the road schedule below. All decommissioning shall be completed during the dry season and as directed by the Authorized Officer.
- (aa) Decompact skid trails and natural surfaced roads and landings with decompaction equipment, such as a track-mounted excavator.
- (bb) Construct drainage dips, waterbars and/or lead-off ditches as directed by the Authorized Officer. Waterbars drainage dips shall be constructed in accordance with the specifications shown on Exhibit H.
- (cc) Place logging slash greater than 6 inches in diameter, where available, on surfaces in a discontinuous pattern, as directed by the Authorized Officer.
- (dd) Purchaser shall block roads at entry points with root wads, slash, cull logs and/or boulders (3 foot minimum diameter) as directed by the Authorized Officer.

		If not rocked				If rocked		
		(aa)	(bb)	(cc)	(dd)	(bb)	(cc)	(dd)
Road Number	Road Rocking	Decompact	Waterbar	Logging Slash	Block	Waterbar	Logging Slash	Block
Skid/Equipment Trails	N/A	X	X	X	X			
Spur A	Optional		X		X			
16-6-1	Optional							
16-6-1.1	Optional		X		X			
16-6-1.2	Optional		X		X			
16-6-1.3	Optional		X		X			
16-6-2A	Optional							
16-6-2B	Optional		X		G			G

G = Gate

- (3) Cable yarding corridors shall be waterbarred immediately after use, if necessary to prevent erosion, as determined by the Authorized Officer.
- (4) In order to prevent the spread of noxious weeds, the Purchaser shall be required to clean all equipment prior to entry onto BLM lands as directed by the Authorized Officer.
- (5) The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Contracting Officer that:
- (aa) threatened or endangered plants or animals protected under the Endangered Species Act of 1973, as amended, may be affected by the operation, and a determination is made that consultation or reinitiation of consultation is required concerning the species prior to continuing operation, or;

- (bb) when, in order to comply with the Endangered Species Act, or to prevent incidental take of northern spotted owls in accordance with management direction in the Record of Decision (ROD) and Resource Management Plan (RMP), or to protect occupied marbled murrelet sites in accordance with management direction of the ROD and RMP, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (cc) federal proposed, federal candidate, Bureau sensitive or State listed species protected under BLM Manual 6840 - Special Status Species Management - have been identified, and a determination is made that continued operations would affect the species or its habitat, or;
- (dd) when, in order to comply with a court order, which enjoins operations on the sale or otherwise requires the Bureau of Land Management to suspend operations, or;
- (ee) when, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (ff) species have been discovered which were identified for protection in accordance with management direction established in the ROD and RMP, and the Contracting Officer determines that continued operations would affect the species or its habitat, or;
- (gg) when, in order to protect species which were identified for protection in accordance with management direction established in the ROD and RMP, the Contracting Officer determines it may be necessary to modify or terminate the contract.

Those operations necessary for a safe removal of personnel and equipment from the contract area and those directed by the Contracting Officer, which are required in order to leave the contract area in an acceptable condition will be permitted. Discontinued operations may be resumed upon receipt of written instructions and authorization by the Contracting Officer.

During any period of suspension, the Purchaser may withdraw performance and payment bond coverage aside from that deemed necessary by the Authorized Officer to secure cut and/or removed timber for which the Bureau of Land Management has not received payment, and/or unfulfilled contract requirements associated with harvest operations that have already occurred and associated post-harvest requirements.

In the event of a suspension period or a combination of suspension periods that exceed a total of 30 days, the First Installment held on deposit may be temporarily reduced upon the written request of the Purchaser. For the period of suspension extending beyond 30 days, the First Installment on deposit may be reduced to five (5) percent of the First Installment amount listed in Section 3.b. of the contract. Any First Installment amount temporarily reduced may be refunded or transferred to another BLM contract at the request of the Purchaser. However, if the Purchaser has outstanding debt owing the United States, the Contracting Officer must first apply the amount of First Installment that could be refunded to the debt owed in accordance with the Debt Collection Improvement Act, as amended (31 USC 3710, et seq.). Upon Purchaser's receipt of a bill for collection and written notice from the Contracting Officer lifting the suspension, the Purchaser shall restore the First Installment to the full amount shown in Section 3.b. of the contract within 15 days after the bill for collection is issued, subject to Section 3.j. of the contract. The Purchaser shall not resume contract operations until the First Installment amount is fully restored.

In the event of a suspension period or a combination of suspension periods that exceed a total of 30 days, the unamortized Out-of-Pocket Expenses for road or other construction required pursuant to Exhibit C of the contract shall be refunded or transferred to another BLM contract at the request of the Purchaser. Upon written notice from the Contracting Officer lifting the suspension, the Purchaser shall reimburse the Government the amounts refunded or transferred. The Purchaser may choose to pay this reimbursement at once or in installments payable at the same time as payments are due for the timber under the contract and in amounts approximately equal to the expenses associated with the timber for which payment is due.

In the event that operating time is lost as a result of the incorporation of additional contract requirements, or delays due to Endangered Species Act consultation with the U.S. Fish and Wildlife Service or U.S. National Marine Fisheries Service, or court-ordered injunctions, the Purchaser agrees that an extension of time, without reappraisal, will constitute a full and complete remedy for any claim that delays due to the suspension hindered performance of the contract or resulted in damages of any kind to the Purchaser.

The Contracting Officer may determine that it is necessary to modify the contract or terminate the cutting and removal rights under the contract in order to comply with the Endangered Species Act, prevent incidental take of northern spotted owls in accordance with the ROD and RMP, protect occupied marbled murrelet sites in accordance with the ROD and RMP, protect species that have been discovered which were identified for protection in accordance with management direction established in the ROD and RMP, or comply with a court order. Following the issuance of a written notice that cutting and removal rights will be terminated, the Purchaser will be permitted to remove timber cut under the contract, if allowed by the Endangered Species Act, if able to proceed without causing incidental take of northern spotted owls in accordance with the ROD and RMP, consistent with marbled murrelet occupied site protection in accordance with the ROD and RMP, consistent with species protection in accordance with management direction established in the ROD and RMP, or court order requirements necessitating the modification or termination.

In the event the contract is modified or cutting and removal rights are terminated under this subsection, the Purchaser agrees that the liability of the United States shall be limited to the actual costs incurred by the Purchaser which have not been amortized by timber removed from the contract area. This calculation of liability shall utilize actual Purchaser costs and Government estimates of timber volumes. At the Authorized Officer's request, the Purchaser agrees to provide documentation of the actual costs incurred in the performance of the contract. In addition, the Purchaser shall be released from the obligation to pay the contract price for any timber which is not authorized to be removed from the contract area.

The Purchaser specifically and expressly waives any right to claim damages, other than those described in the preceding paragraphs, based on an alleged breach of any duty to the Purchaser, whether express or implied, in regard to the manner in which the Government defended the litigation which resulted in the court order affecting the operation of the contract. This waiver also extends to any claims based on effects on the operation of the contract that arise from litigation against another agency. Furthermore, the Purchaser specifically acknowledges and agrees that a court ruling that the Government violated the Administrative Procedures Act cannot be interpreted, in itself, to mean that the Government had not acted reasonably in regard to its duties to the Purchaser under this contract.

(e) Fire Prevention

- (1) Primarily for purposes of fire prevention and control, the Purchaser shall, prior to the operation of power driven equipment in construction or logging operations under this contract during fire season or periods of fire danger, prepare a fire prevention and control plan to the satisfaction of the Authorized Officer.

(f) Logging Residue Reduction

- (1) In addition to the requirements of Sections 15 and 26 of this contract, and notwithstanding the Purchaser's satisfactory compliance with State laws and regulations regarding offsetting or abating the additional fire hazard created by this operation and the State's willingness to release the Purchaser from liability for such hazard, the Purchaser shall remain responsible to the Government for performance of the following logging residue reduction and/or site preparation measures required by this contract:
 - (aa) Prior to commencement of any logging residue reduction and/or site preparation, a prework conference between the Purchaser's representative and the Authorized Officer must be held at a location designated by the Authorized Officer. All logging residue reduction and/or site preparation shall be done in accordance with the plans developed at the prework conference.

- (bb) Machine pile and cover all slash situated within twenty-five (25) feet of Spur A and Road Nos. 16-6-1, 16-6-1.1, 16-6-1.2, 16-6-1.3, and 16-6-2 Seg. B. Machine pile and cover all slash in additional harvest areas as directed by the authorized officer. Slash shall be piled by a machine equipped with a hydraulic thumb or a controllable, grapple head. Finished piles shall be tight and free of dirt.
- (1) Machine piles shall be located as far as possible from reserve trees, snags, culverts, or unit boundaries to minimize damage.
 - (2) Slash between two (2) inches and nine (9) inches in diameter on the large end, having a minimum length of three (3) feet shall be piled as directed by Authorized Officer. Pile size shall be a maximum of 16 feet in diameter by 12 feet in height, and minimum pile size shall be 8 feet in diameter by 6 feet in height or as directed by the Authorized Officer. Slash left on the ground shall not exceed 6 inches in depth.
 - (3) All piles shall be covered with black four (4) millimeter polyethylene plastic to cover at least 75 percent of the surface of each pile. There should be an adequate supply of finer fuels located within and under the covered area of the pile to ensure ignition of the larger fuels. Plastic shall be held in place with woody debris and tied with combustible cord. The plastic must be secured so that it is held in place during strong wind conditions and maintains coverage for at least one year. The Purchaser is required to furnish the covering materials. Covering shall be completed within 30 days of completion of piling or as directed by the Authorized Officer.
 - (4) Harvest Areas shall be piled during the same season they are logged.
- (cc) Hand pile and cover slash situated within harvest areas as directed by the authorized officer. Finished piles shall be tight and free of dirt.
- (1) Hand piles shall be located as far as possible from green trees, snags, or unit boundaries to minimize damage. Slash shall not be piled on down logs, stumps, drainage ditches, turnouts, shoulders, cut banks, or within 10 feet of any other pile.
 - (2) Slash between two (2) inches and six (6) inches in diameter on the large end, having a minimum length of two (2) feet shall be piled as directed by Authorized Officer. Piles shall be constructed by aligning individual pieces in the same direction and placing the heavier slash on top. Piles shall have a stable base to prevent toppling. The long axis of individual pieces shall be oriented up and down the slope. Pile size shall be a maximum of 8 feet in diameter by 8 feet in height, and minimum pile size shall be 6 feet in diameter by 5 feet in height at the time of final inspection by the Government. Slash left on the ground shall not exceed 6 inches in depth.
 - (3) All piles shall be covered with black four (4) millimeter polyethylene plastic to cover at least 90% of the surface of each pile. There should be an adequate supply of finer fuels located within and under the covered area of the pile to ensure ignition of the larger fuels. Plastic shall be held in place with woody debris or tied with combustible cord. The plastic must be secured so that it is held in place during strong wind conditions and maintains coverage for at least one year. The Purchaser is required to furnish the covering materials. Covering shall be done at time of piling.
 - (4) Cutting Areas shall be piled during the same season that they are logged.
- (dd) Pile and cover landing slash within twenty five (25) feet of the edge of each landing. All tops, broken pieces, limbs and debris more than two (2) inches in diameter at the large end and longer than three (3) feet in length shall be piled within fifteen (15) days of completion of hauling logs from that landing. Landing piles shall be kept free of dirt and located at least twenty (20) feet from any reserve tree and/or as directed by the Authorized Officer.

- (1) All logs greater than six (6) inches in diameter at the large end and longer than eight (8) feet in length shall be decked or windrowed at the location designated by the Authorized Officer, except logs sold and removed from the contract area.
 - (2) Upon completion of landing piling, the Purchaser shall prepare the landing piles for burning by securely covering each landing pile with black four (4) millimeter polyethylene plastic. Landing piles shall be at least seventy five (75) percent covered with the covering extending three-quarters of the way down all sides. There should be an adequate supply of finer fuels located within and under the covered area of the pile to ensure ignition of the larger fuels. Plastic shall be held in place with woody debris and tied with combustible cord. The plastic must be secured so that it is held in place during strong wind conditions and maintains coverage for at least one year. The Purchaser is required to furnish the covering materials. The timing of this covering work shall be in accordance with instructions from the Authorized Officer. If the structure of the landing piles will not permit adequate consumption of piled debris by burning, the Purchaser shall re-pile them at the direction of the Authorized Officer.
- (ee) Within the Potential Area of Broadcast Burn shown on Exhibit F, hand construct fire lines to mineral soil minimum of two (2) feet wide within a ten (10) foot wide clear corridor, shall be located, constructed and maintained as directed by the Authorized Officer not to exceed six thousand six hundred (6,600) horizontal feet in length. Concentrations of slash containing burnable material six (6) inches in diameter and larger shall be pulled back ten (10) feet from the mineral fire line at locations to be designated on the ground and dispersed within the Potential Area of Broadcast Burn. On side slopes that are steeper than thirty (30) percent, fire line shall be cup trenched sufficiently to catch rolling material 6 inches or less in diameter. Berms shall be placed at the outside of fire lines away from the Potential Area of Broadcast Burn. The Authorized Officer shall designate the time of construction. Fire lines shall be constructed within thirty (30) days of notification by the Authorized Officer. Water bars shall be constructed and maintained on the fire lines to the satisfaction of the Authorized Officer.
- (2) Within the Regeneration Harvest Area, the Purchaser shall perform logging residue reduction and site preparation work on approximately eighteen (18) acres shown as Site Preparation/Piling Area on Exhibit F.
- (aa) The required work shall consist of any one treatment or combination of treatments listed in the table below, as determined by the Authorized Officer and specified in writing by the Contracting Officer. The number of acres and locations of each treatment shall be determined by the Authorized Officer.

<u>Treatment</u>	<u>Cost/Acre</u>
Hand Pile and Cover	\$ 390.00
Hand Pile Burn	\$ 60.00
Machine Pile and Cover	\$ 375.00
Machine Pile Burn	\$ 75.00

- (bb) The following treatments were assumed for appraisal purposes on this contract:

<u>Appraised Treatment</u>	<u>Acres</u>	<u>Cost/Acre</u>	<u>Total Cost per Treatment</u>
Hand Pile and Cover	15	\$ 390.00	\$ 5,850.00
Hand Pile Burn	15	\$ 60.00	\$ 900.00
Machine Pile and Cover	3	\$ 375.00	\$ 1,125.00
Machine Pile Burn	3	\$ 75.00	\$ 225.00
Total Appraised Cost			\$ 8,100.00

- (cc) The Total Purchase Price set forth in Section 2 shall be adjusted in a unilateral modification executed by the Contracting Officer by the amount that the total cost of the logging residue reduction and site preparation treatments designated pursuant to Section 42(f)(2)(bb) differs from Eight Thousand One Hundred and 00/100 dollars (\$8,100.00), as calculated by using the estimated acres determined by the Authorized Officer and the per acre costs listed in Section 42(f)(2)(aa).
- (3) Notwithstanding the provisions of Sec. 15 of this contract, the Government shall assume all obligations for disposal or reduction of fire hazards created by Purchaser's operations on Government lands, except for burning and mop-up assistance as required herein and measures required in Section 42(f). In accordance with written instruction to be issued by the Authorized Officer at least 10 days in advance of the earliest date of required performance, the Purchaser shall, under supervision of the Authorized Officer or designated representative, assist in preparing units for burning, burning, mop-up, and patrol by furnishing, at the Purchaser's own expense, the services of personnel and equipment on harvest area as shown below:
- (aa) For Igniting, Holding, and Mop-Up of Piles:
- (1) One (1) work leader (Firefighter Type 1 (FFT1)) to supervise crew and equipment operations, and to serve as Purchaser's representative.
 - (2) Two (2) person crew (Firefighter Type 2 (FFT2))
 - (3) Sufficient fuel for burning, five (5) drip torches or propane burners, one (1) power saw, and one (1) backpack pump, one (1) tool for each crew member.
 - (4) Radios capable of inter-crew communications and communication with a BLM representative at a ratio of one (1) radio per every five (5) crew members.
 - (5) All ignition, holding, and mop-up personnel will be directly supervised by a BLM representative.
- (bb) For Igniting, Holding, and Mop-Up of Broadcast Burn Areas: 50 Acres
- (1) One (1) work leader (Firefighter Type 1 (FFT1)) to supervise crew and equipment operations, and to serve as Purchaser's representative.
 - (2) Twenty (20) person hand crew (Firefighter Type 2 (FFT2)), including a designated crew foreman (CRWB).
 - (3) Sufficient fuel for burning, twelve (12) drip torches or propane burners, two (2) power saws, two (2) backpack pumps, and one (1) tool for each crew member.
 - (4) Radios capable of inter-crew communications and communication with a BLM representative at a ratio of one (1) radio per every five (5) crew members.
 - (5) One (1) water tender truck with driver. The water tender truck shall have two thousand five hundred (2,500) gallon capacity or more.
 - (6) Two (2) Type 6 engines with operators (ENGB) and one (1) crew member. Engine must be equipped with foam and drafting capability.
 - (7) Two (2) portable pumps with fuel and equipment to draft water.
 - (8) One thousand five hundred (1,500) feet of one and one half (1½) inch hose, one thousand (1,000) feet of one (1) inch hose, five hundred (500) feet of three-quarter (¾) inch hose, twelve (12) one and a half (1½) inch gated wye valves, fifteen (15) one and a half (1½) inch to one (1) inch reducers, six (6) one (1) to three-quarter (¾) inch reducers, ten (10) one (1) inch combination fog and stream nozzles, and six (6) one and one half (1½) inch combination fog and stream nozzles. All hose couplings shall have the standard thread adopted by the State Fire Marshall pursuant to ORS 476.610 as amended.
 - (9) All ignition personnel will be directly supervised by a BLM representative.

Aircraft and pilots used for Logging Residue Reduction or the suppression of escaped fires from Logging Residue Reduction operations, shall be acquired from a list of aircraft and pilots approved (i.e., carded for these specific activities) by the Office of Aircraft Services or the U.S. Forest Service. This list is available from BLM District Offices upon request.

All listed personnel shall be physically fit, experienced and fully capable of functioning as required. In addition, all listed personnel shall be qualified according to the National Wildfire Coordinating Group (NWCG) Wildland Fire Qualification System Guide, PMS-310-1 and provide documentation of these qualifications. On the day of ignition all listed personnel shall be fluent in speaking and understanding English, clothing shall consist of long pants and long sleeved shirts, and be of approved aramid fabric (Nomex™ or equivalent), as well as being free of diesel fuel oil. All personnel shall wear boots with minimum eight (8) inch tall uppers that provide ankle support, approved hardhats and leather gloves. Personnel who do not meet these requirements or do not have proper clothing and personal protective equipment (PPE) will not be allowed to participate. All listed tools and equipment shall be in good usable condition. All power-driven equipment shall be fully fueled and available for immediate use. During periods of use under this subsection, the Purchaser shall provide fuel and maintenance for all such power-driven equipment.

Except as provided hereafter for fire escapement, the Purchaser shall continue the required assistance in mop up on each cutting unit shown on Exhibit A for seventy-two (72) hours, as directed by the Authorized Officer within a five (5) day period commencing at 8:00 a.m. the day following the completion of ignition in that unit, or until released from such service by the Government, whichever occurs first.

In event of a fire escapement, the Purchaser's personnel and equipment shall, under supervision of the Authorized Officer, take action to control and mop up the escaped fire until released from such service by the Government. If it becomes necessary to use furnished personnel and equipment for the suppression of a fire which escapes from the prescribed fire area for a period beyond the remainder of the day in which the fire escapes, then the Government shall, at its option: (1) reimburse the Purchaser for such additional use of personnel and equipment at wage rates shown in the current Administratively Determined Pay Rates for the Western Area and at equipment rates shown in the current Oregon-Washington Interagency Fire Fighting Equipment Rental Rates schedule until the Purchaser is released from such service by the Government; or (2) release the Purchaser from additional suppression work and assume responsibility for suppressing the escaped fire.

In situations where an escaped fire is controlled and contained by an adequate fire break (i.e., trail, road, stream, rock formation, etc.), the Government may permit the Purchaser to remove personnel for that day; provided that all mop up work on the escaped fire is included with mop up work on the prescribed fire area. In such an event, the Purchaser must sign a statement of agreement to complete mop up work on all escaped fire areas concurrently with mop up work on the prescribed fire area.

In case of injury to personnel or damage to equipment furnished as required by this subsection, liability shall be borne by the Purchaser, unless such injury or damage is caused by Government negligence.

Time is of the essence in complying with this provision. In the event the Purchaser fails to provide the personnel and equipment required herein, the Purchaser shall be responsible for all additional cost incurred by the Government in disposing of slash including but not limited to the wages and other costs of providing federal employees and others as substitute labor force, the cost of providing substitute equipment and appropriate additional overhead expenses. If the Purchaser's failure results in a deferral of burning and new conditions necessitate additional personnel and equipment to accomplish the planned burn, the Purchaser also shall be responsible for such additional costs.

- (4) In lieu of performing slash disposal as identified in Section 42(f)(1)(aa,bb,cc,dd), Section 42(f)(2), and Section 42(f)(3)(aa), the Purchaser may remove material identified for slash disposal after notifying the Authorized Officer in writing. Any material identified for slash disposal that is not removed in accordance with this provision shall be treated in accordance with Section 42(f)(1)(aa,bb,cc,dd), Section 42(f)(2), and Section 42(f)(3)(aa). Upon completion of slash removal, the purchaser shall report tonnage of slash removed in accordance with this provision.

(g) Optional Contributions

- (1) The Purchaser shall construct fireline in accordance with Section 42(f)(1)(ee). The Purchaser shall have the option of completing this work, or in lieu thereof, may make a contribution to the Bureau of Land Management in the amount of Six Thousand Eight Hundred Thirty-two and 98/100 dollars (\$6,832.98).
 - (aa) The amount of contribution shown above shall be paid prior to cutting. The Purchaser shall notify the Authorized Officer in writing of his intention to make this contribution prior to the date of execution of the contract. Upon making such contribution, the Purchaser shall be relieved of obligations set out in this subsection. The Purchaser may elect to make the payment in installments in the same manner as and together with payments required in Section 3 of this contract.
- (2) The Purchaser shall prescribe burn and mop-up in accordance with Section 42(f)(3)(bb). The Purchaser shall have the option of completing this work, or in lieu thereof, may make a contribution to the Bureau of Land Management in the amount of Twenty-three Thousand Four Hundred Forty-six and 50/100 dollars (\$23,446.50).
 - (aa) The amount of contribution shown above shall be paid prior to cutting. The Purchaser shall notify the Authorized Officer in writing of his intention to make this contribution prior to the date of execution of the contract. Upon making such contribution, the Purchaser shall be relieved of obligations set out in this subsection. The Purchaser may elect to make the payment in installments in the same manner as and together with payments required in Section 3 of this contract.

(h) Log Export and Substitution

- (1) All timber sold to the Purchaser under the terms of this contract, except exempted species, is restricted from export from the United States in the form of unprocessed timber, and is prohibited from being used as a substitute for exported private timber. For the purpose of this contract, unprocessed timber is defined as: (1) any logs except those of utility grade or below, such as sawlogs, peeler logs and pulp logs; (2) cants or squares to be subsequently remanufactured exceeding eight and three-quarters (8¾) inches in thickness; (3) split or round bolts or other roundwood not processed to standards and specifications suitable for end-product uses; or (4) western red cedar lumber which does not meet lumber of American Lumber Standards Grades of Number 3 dimension or better, or Pacific Lumber Inspection Bureau R-List Grades of Number 3 Common or better. Thus, timber manufactured into the following will be considered processed: (1) lumber and construction timber, regardless of size, manufactured to standards and specifications suitable for end-product uses; (2) chips, pulp, and pulp products; (3) green or dry veneer and plywood; (4) poles and piling cut or treated for use as such; (5) cants, squares, and lumber cut for remanufacturing of eight and three-quarters (8¾) inches in thickness or less; (6) shakes and shingles.

Substitution will be determined under the definition found in 43 CFR 5400.0-5(n).

The Purchaser is required to maintain and upon request to furnish the following information:

- (aa) Date of last export sale.
 - (bb) Volume of timber contained in last export sale.
 - (cc) Volume of timber exported in the past twelve (12) months from the date of last export sale.
 - (dd) Volume of Federal timber purchased in the past twelve (12) months from the date of last export sale.
 - (ee) Volume of timber exported in succeeding twelve (12) months from date of last export sale.
 - (ff) Volume of Federal timber purchased in succeeding twelve (12) months from date of last export sale.
- (2) In the event the Purchaser elects to sell any or all of the timber sold under this contract in the form of unprocessed timber, the Purchaser shall require each party buying, exchanging, or receiving such timber to execute a Form 5460-16 (Certificate as to Nonsubstitution and the Domestic Processing of Timber).

The original of such certification shall be filed with the Authorized Officer. Additionally, when the other party is an affiliate of the Purchaser, the Purchaser will be required to update information under item (2) of Form 5450-17 (Export Determination) and file the form with the Authorized Officer.

In the event an affiliate of the Purchaser has exported private timber within twelve (12) months prior to purchasing or otherwise acquiring Federal timber sold under this contract, the Purchaser shall, upon request, obtain from the affiliate information in a form specified by the Authorized Officer and furnish the information to the Authorized Officer.

Prior to the termination of this contract, the Purchaser shall submit to the Authorized Officer Form 5460-15 (Log Scale and Disposition of Timber Removed Report) which shall be executed by the Purchaser. In addition, the Purchaser is required under the terms of this contract to retain for a three-year period from the date of termination of the contract the records of all sales or transfer of logs involving timber from the sale for inspection and use of the Bureau of Land Management.

Unless otherwise authorized in writing by the Contracting Officer, the Purchaser shall brand clearly and legibly one end of all logs with a scaling diameter (small end inside bark) of over 10 inches, prior to the removal of timber from the contract area. All loads of 11 logs or more will have a minimum of 10 logs clearly and legibly branded on one end regardless of the diameter of the logs. All logs will be branded on loads of 10 logs or less. One end of all branded logs to be processed domestically will be marked with a 3 square inch spot of highway yellow paint. The Purchaser will stop trucks for accountability monitoring at mutually agreed upon location when notified by the Authorized Officer.

If multiple trailers (mule trains) are used, each bunked load shall be considered an individual load, and these guidelines will apply to each bunked load. If a flatbed stake trailer is used, each bundle will be treated as a separate load.

At the discretion of the Contracting Officer, the Purchaser may be required to brand and paint all logs. Any increased costs for log branding and painting shall be the responsibility of the Purchaser.

In the event of the Purchaser's noncompliance with this subsection of the contract, the Authorized Officer may take appropriate action as set forth in Section 10 of this contract. In addition, the Purchaser may be declared ineligible to receive future awards of Government timber for a period of one year.



**United States
Department of the Interior
Bureau of Land Management**

Timber Appraisal

Sale Name: Nails creek	Sale Date: Thursday, June 27, 2019
BLM District: NW Oregon DO	Unit of Measure: 16' MBF
Contract #: ORN03-TS-2019.0327	Contract Term: 24 months
Sale Type: Advertised	Contract Mechanism: 5450-3
	Sale of Timber - Lump Sum

SBA Set-Aside

Content

**Timber Appraisal Summary
Stumpage Summary
Unit Summary
Stump to Truck
Transportation
Engineering Allowances
Other Allowances**

Prepared By: Zimmerlee, Chance Z - 3/20/2019

Approved By: Teigland, Kevin O - 4/30/2019

Legal Description of Contract Area

Land Status	County	Township	Range	Section	Subdivision	Meridian
O&C	Lane	16S	6W	1	Lot 1 and 2 SW1/4NW1/4, NW1/4SW1/4	Willamette

Species Totals

Species	Net	Gross Merch	Gross	# of Merch Logs	# of Cull Logs	# of Trees
Douglas Fir	6,527.0	6,805.0	6,968.0	37,318	780	5,388
Bigleaf Maple	1.0	2.0	2.0	35	0	14
Totals	6,528.0	6,807.0	6,970.0	37,353	780	5,402

Cutting Area Acres

Regeneration Harvest Acres	Partial Cut Acres	Right of Way Acres	Total Acres	Net Volume per Acre
98.0	0.0	3.8	101.8	64.1

Logging Costs

Stump to Truck	\$919,635.24
Transportation	\$255,262.50
Road Construction	\$133,905.06
Maintenance/Rockwear	\$12,330.26
Road Use	\$0.00
Other Allowances	\$53,069.27
Total:	\$1,374,202.33
Total Logging Cost per MBF:	\$210.51

Utilization Centers

Location	Distance	% of Net Volume
Eugene/Springfield	22.0 miles	100 %

Profit & Risk

Profit	9 %
Risk	0 %
Total Profit & Risk	9 %

Tract Features

Quadratic Mean DBH	25.7 in
Average GM Log	182 bf
Average Volume per Acre	64.1 mbf
Recovery	94 %
<u>Net MBF volume:</u>	
Green	6,528.0 mbf
Salvage	0 mbf
Export	0 mbf
<u>Ground Base Logging:</u>	
Percent of Sale Volume	9 %
Average Yarding Slope	20 %
Average Yarding Distance	400 ft
<u>Cable Logging:</u>	
Percent of Sale Volume	91 %
Average Yarding Slope	35 %
Average Yarding Distance	400 ft
<u>Aerial Logging:</u>	
Percent of Sale Volume	0 %
Average Yarding Slope	0 %
Average Yarding Distance	0 ft

Cruise

Cruise Completed	July 2018
Cruised By	AR,CZ
Cruise Method	
VP, 100%	

Stumpage Computation

Species	# of Trees	Net Volume	Pond Value	(-) Profit & Risk	(-) Logging Costs	(+) Marginal Log Value	Appraised Price/MBF	Appraised Value
Douglas Fir	5,388	6,527.0	\$563.51	\$50.72	\$210.51	\$0.00	\$302.30	\$1,973,112.10
Bigleaf Maple	14	1.0	\$190.00	\$17.10	\$210.51	\$0.00	\$19.00 *	\$19.00
Totals	5,402	6,528.0						\$1,973,131.10

* Minimum Stumpage values were used to compute the Appraised Price/MBF (10% of Pond Value)

Percent of Volume By Log Grade

Species	No. 1 & 2 Peeler	No. 3 Peeler	Special Mill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	Camp Run
Douglas Fir			6.0 %	83.0 %	11.0 %		

Species	No. 1 Sawmill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	No. 5 Sawmill		Camp Run
Bigleaf Maple				100.0 %			

Nails creek**Unit Summary****ORN03-TS-2019.0327****Unit: RW**

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	243.0	253.0	260.0	200
Totals:	243.0	253.0	260.0	200

Net Volume/Acre: 63.9 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	3.8
Total Acres:	3.8

Unit: unit 1

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	6,284.0	6,552.0	6,708.0	5,188
Bigleaf Maple	1.0	2.0	2.0	14
Totals:	6,285.0	6,554.0	6,710.0	5,202

Net Volume/Acre: 64.1 MBF

Regeneration Harvest	98.0
Partial Cut	0.0
Right of Way	0.0
Total Acres:	98.0

Total Stump To Truck	Net Volume	\$/MBF
\$919,635.24	6,528.0	\$140.88

Stump to Truck: Falling, Bucking, Yarding, & Loading

Yarding System	Unit of Measure	# of Units of Measure	\$/Unit of Measure	Total Cost	Remarks
Cable: Medium Yarder	GM MBF	6,153.0	\$140.88	\$866,834.64	5 loads/day @4800
Wheel Skidder	GM MBF	401.0	\$78.90	\$31,638.90	7 loads/day @4800
Wheel Skidder	GM MBF	253.0	\$78.90	\$19,961.70	7 loads/day @4800
Subtotal				\$918,435.24	

Additional Costs

Item	Unit of Measure	# of Units of Measure	\$/Unit of Measure	Total Cost	Remarks
Subtotal				\$0.00	

Additional Moves

Equipment	Unit of Measure	# of Units of Measure	\$/Unit of Measure	Total Cost	Remarks
Cable: Medium Yarder	Total	1.0	\$600.00	\$600.00	24 month contract
Shovel	Total	1.0	\$600.00	\$600.00	24 month contract
Subtotal				\$1,200.00	

Total	Net Volume	\$/MBF
\$255,262.50	6,528.0	\$39.10

Utilization Center	One Way Mileage	Description	Unit of Measure	# of Units	\$/Unit of Measure	Total Cost	% of Sale Volume
Eugene/Springfield	22.0	Log Haul	GM MBF	6,807.0	\$37.50	\$255,262.50	100 %

Comments:

\$90 per hour*2 hour round trip = \$180 per trip/ 4.8 per load = \$37.50

Engineering Allowances

Total	Net Volume	\$/MBF
\$146,235.32	6,528.0	\$22.40

Cost Item	Total Cost
Road Construction:	\$133,905.06
Road Maintenance/Rockwear:	\$12,330.26
Road Use Fees:	\$0.00

Total	Net Volume	\$/MBF
\$53,069.27	6,528.0	\$8.13

Environmental Protection

Cost item	Total Cost
Skid trails decom	\$267.88
Equipment Washing	\$975.00
Subtotal	\$1,242.88

Miscellaneous

Cost item	Total Cost
Low Girdle	\$1,008.00
High Girddle	\$7,980.00
Subtotal	\$8,988.00

Road Construction, Maintenance, Use, & Decommissioning

Cost item	Total Cost
Road decom	\$1,328.39
Subtotal	\$1,328.39

Slash Disposal & Site Prep

Cost item	Total Cost
Fuels appraisal	\$41,510.00
Subtotal	\$41,510.00