



PROSPECTUS

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



February 24, 2016

Parcel No. 2
Tract No. E-16-686
Upper Willamette Resource Area

Missing Links

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 **EUGENE DISTRICT OFFICE, 3106 PIERCE PARKWAY, SPRINGFIELD, OREGON**. The timber sale will commence at 10:00 a.m. on Thursday, **March 24, 2016**.

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 February 24, 2016. 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.

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 the 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 Eugene District Office at (541) 683-6798.

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 this sale, and a Finding of No Significant Impact has been documented. These documents are available for inspection as background for this sale at the Eugene District Office.

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

Attachments:

- Form 5440-9
- Form 5430-11
- Form 5450-17
- Form 5450-22

Tract No. E-16-686 Missing Links
 Lane County, Oregon: O&C

Bid Deposit Required: \$ 87,100.00

All timber designated for cutting on Lot 1, NE1/4, E1/2NW1/4, NE1/4SE1/4, Section 19, T. 20 S., R. 1 E.,
 E1/2NE1/4, N1/2SE1/4, SE1/4SE1/4, Section 13, T. 20 S., R. 1 W.,
 NE1/4NE1/4, S1/2NE1/4, N1/2SE1/4, SE1/4SE1/4, Section 23, T. 20 S., R. 1 W.,
 Will. Mer.

Estimated Volume 32' Log (MBF)	Species	Estimated Volume 16' Log (MBF)	Appraised Price Per MBF	Estimated Volume Times Approx. Price
2,839	Douglas-fir	3,177	\$ 237.00	\$ 752,949.00
997	Western hemlock	1,129	\$ 88.00	\$ 99,352.00
27	Western redcedar	34	\$ 402.00	\$ 13,668.00
8	Incense-cedar	9	\$ 484.00	\$ 4,356.00
3,871	TOTALS	4,349		\$ 870,325.00

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: Volume for all Douglas-fir, western hemlock, western redcedar, and incense-cedar in the Partial Harvest Areas 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 20 BAF. This sale contains a total of 254 plots. 157 sample trees were randomly selected on these plots to determine v-bar. A map showing the location of the sample trees is available at the Eugene District Office.

Volume for Douglas-fir in the right-of-ways has been cruised using the 3P system to select sample trees. The sample trees have been cruised and the volume computed using the **National Cruise Processing Program** for estimating volume in 16 foot lengths and the volume expanded to a total right-of-way volume. A map showing the location and description of these sample trees is available at the Eugene District Office. The timber volumes for all other conifers in the right-of-ways were based on a 100% cruise using the **National Cruise Processing Program** for estimating board foot volume of trees in 16 foot logs.

With respect to merchantable Douglas-fir (sample) trees: The average tree is 13.1" DBHOB; the average log contains 44 bd. ft.; the total gross merchantable volume is approximately 3,346 MBF; and 94% recovery is expected.

CUTTING AREA: Approximately 242 acres must be partial harvested, and approximately 3 acres of right-of-way must be clear cut.

ACCESS: Access to the sale is provided by:

1. A public road;
2. BLM existing roads;
3. BLM roads to be constructed.
4. Roads covered by a Road Use and Right-of-Way Agreement between the BLM and United States Forest Service (USFS). In the maintenance and use of USFS road, the Purchaser shall enter into a license agreement with the USFS. The license agreement shall be delivered to USFS for execution at least 15 days prior to any use of Agency roads. See the Prospectus for full terms and conditions of use.

ROAD MAINTENANCE: The Purchaser shall pay road maintenance and rockwear fees estimated at \$21,471.94 to the BLM. See the Exhibit D map for specifications of road maintenance responsibility. Only the map page of the Exhibit D is included in the Prospectus. Refer to the contract file for the full Exhibit D.

In addition to the quantities shown below, 200 cubic yards (truck measure) of maintenance rock (gradation to be determined by AO) is required. Additional road reinforcement (rocking) may be required for wet weather haul and will be at the Purchaser's expense.

ROAD CONSTRUCTION:

Spurs 19A, 23A, and three Landing Spurs; Road No. 20-1-25 ext.

Length: 31.5 Stations

Class: SN-14

Special Requirements: Operations limited to periods of dry weather.

ROAD RENOVATION:

Spur 20A; Road Nos. 20-1-10.3, -13, -14, -24, -25; 20-1E-19, 20-1E-19.3

Length: 468.05 Stations

Class: SN-14 / SN-16

Special Requirements: Culvert replacement/installation on streams shall be done between July 1 and August 31 (both days inclusive). Written notification 7 working days prior to operations on Spur 20A. The Purchaser shall enter into a contract with the USFS for the purchase of merchantable timber located in the right-of-way of Spur 20A.

Suggested Rock Source: Commercial, Pleasant Hill Vicinity

Surfacing Estimated Quantities (CY truck measure)

<u>3/4" minus</u>	<u>1-1/2" minus</u>	<u>3" minus</u>	<u>Jaw Run</u>
280	233	3,130	849

Asphalt: 12 Tons

CULVERTS:

<u>Diameter:</u>	<u>Length:</u>	<u>Number:</u>
18"	320'	10
24"	116'	3
42"	44'	1

Total Estimated Exhibit C (construction and renovation)

Road Costs: \$186,480.51

ROAD DECOMMISSIONING:

Spurs 19A, 20A, 23A, and Road Nos. 20-1-13, 20-1-24

Barriers: 5

Estimated Cost of Decommissioning: \$3,775.75

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

DURATION OF CONTRACT: Duration of the contract will be 36 months for cutting and removal of timber.

SPECIAL PROVISIONS: The contract will contain special provisions regarding road construction, road renovation, road maintenance, road decommissioning, logging methods, prevention of erosion, logging residue reduction, and submission of a written logging plan specifying landing locations and logging schedule.

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

It is estimated that 435 MBF of additional timber, such as corridor and guyline trees may be removed under the contract, but it is not included in the advertised sale volume, nor is it included in the timber sale appraisal.

OTHER SPECIAL REQUIREMENTS:

1. All orange marked trees greater than 25" DBH within 400 feet of fish bearing streams and 200 feet of all other streams and trees greater than 20" DBH on United States Forest Service land felled for safety and operational reasons shall remain on site.
2. The Purchaser shall be required to clean logging, road, decommissioning, and slash piling equipment prior to entry on BLM lands.
3. No felling, yarding, or loading is permitted in or through the Reserve Areas as shown on Exhibit A.
4. No Partial Harvest activities shall be conducted during sap flow from April 1 to June 15 of each year, unless otherwise approved by the Authorized Officer.
5. Hauling operations on native surface roads shall be restricted to dry periods (typically July 1 to September 30).
6. In Partial Harvest Area Nos. 1 and 3 shown on Exhibit A, no harvest activities including road construction/ decommissioning, shall be conducted from March 1 to July 15 of each year. Road renovation will be permitted.
7. The Purchaser shall provide a map of requested skyline and skid trail locations a minimum of seven (7) working days in advance of cutting to obtain approval of the locations from the Authorized Officer.

8. Adjacent to Partial Harvest Area No. 1, an approximately 1 acre yarding wedge is necessary across the United States Forest Service to accommodate logging systems. The Purchaser shall enter into a contract with the United States Forest Service for the purchase of merchantable timber.
9. Adjacent to Partial Harvest Area No. 3, an approximately 1/2 acre yarding wedge is necessary across Lost Creek Timber (LCT) property to accommodate logging systems. In the use of guylines/tailholds and the yarding wedge the Purchaser shall enter into a Short Form Tramway Agreement with LCT. The Tramway Agreement shall be delivered to LCT for execution at least 15 days prior to any use. The Purchaser shall provide Lost Creek a performance bond for the use of the yarding wedge.
10. The Purchaser shall have the option to rock Spur No. 19A and Road No. 20-1E-19.3 for wet weather haul at Purchaser's expense. Any costs for rocking and installation of additional drainage features will be at the Purchaser's expense and shall be completed in accordance with the plans and specifications shown in Exhibit C of this contract.
11. Purchaser shall pile logging slash at all landings and within 25 feet of Road Nos. 20-1-10.3, 20-1-13, 20-1-14, 20-1E-19, and 20-1E-19.3.
12. Feller Buncher operations may be permitted in ground based areas with a written waiver request by Purchaser and approval by Authorized Officer. If approved, whole tree yarding, or yarding with tops attached will be authorized.
13. The Purchaser will be required to file a Notification of Operations with the Oregon Department of Forestry office for all harvest operations and road construction/renovation on BLM, USFS, and LCT Lands.
14. On Road Nos. 20-1-10.3 and 20-1-14, Purchaser shall provide flaggers to control traffic. The roads shall not be blocked for more than thirty minutes.
15. The Purchaser shall be required to spread BLM provided seed and mulch at new culverts and designated areas in accordance with the plans and specifications shown in Exhibit C off this contracts.

OPTIONAL CONTRIBUTION: The Purchaser will have the option of performing pile burning or contributing \$1,405.80 in lieu thereof. The option 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.

NARRATIVE DESCRIPTION OF HOW TO GET TO SALE AREA:

To Partial Harvest Areas: From Pleasant Hill, proceed southeast on Highway 58 for approximately 4.5 miles to junction of Rattlesnake Road. Proceed south on Rattlesnake Road for approximately 4.5 miles to junction of Lost Creek Road. Proceed south on Lost Creek Road for approximately 1.9 miles to junction of Eagles Rest Road.

To Partial Harvest Areas Nos. 1 and 2: Continue on Eagles Rest Road (19-1-33.1) for approximately 6.9 miles to Partial Harvest Area No. 2 and junction of Road No. 20-1-14. Follow Timber Sale Location signs to Partial Harvest Area No. 1.

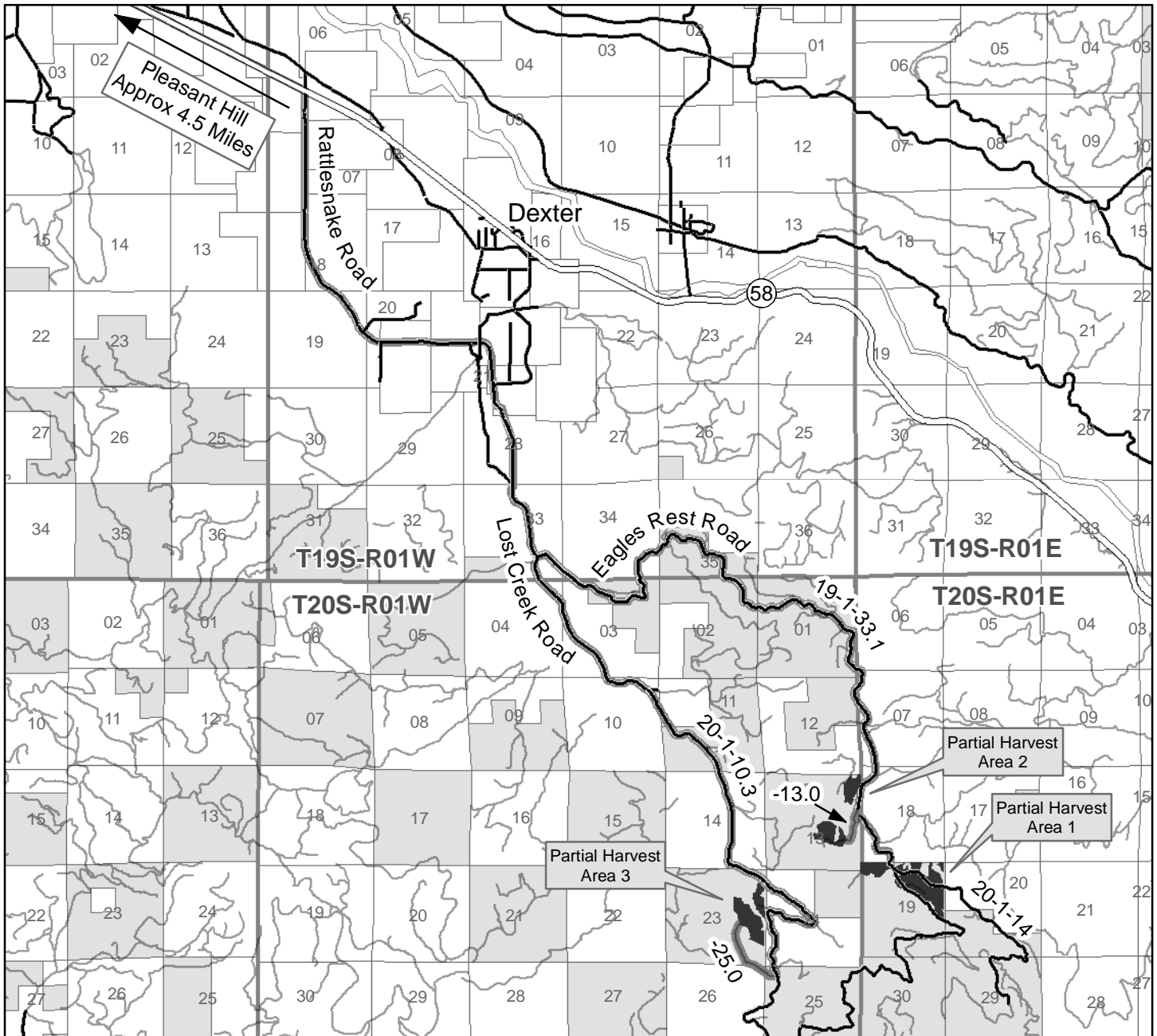
To Partial Harvest Area No. 3: Return to Lost Creek Road and proceed south for approximately 1.6 miles to junction of Road No. 20-1-10.3. Proceed southeast on Road No. 20-1-10.3 for approximately 4.2 miles to the Partial Harvest Area.



Timber Sale Location Map

Sale Name: Missing Links

T. 20 S., R. 1 E., SEC. 19, T. 20 S., R. 1 W., SECS. 13 & 23, WILL. MER., EUGENE DISTRICT



Harvest Unit — Travel Route

0 0.5 1 1.5 2 Miles

NARRATIVE DESCRIPTION OF HOW TO GET TO SALE AREA:

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To Partial Harvest Area Nos. 1 and 2: Continue on Eagles Rest Road (19-1-33.1) for approximately 6.9 miles to Partial Harvest Area No. 2 and junction of Road No. 20-1-14. Follow Timber Sale Location signs to Partial Harvest Area No. 1.

To Partial Harvest Area No. 3: Return to Lost Creek Road and proceed south for approximately 1.6 miles to junction of Road No. 20-1-10.3. Proceed southeast on Road No. 20-1-10.3 for approximately 4.2 miles to the Partial Harvest Area.



United States Department of the Interior
Bureau of Land Management
Oregon State Office
P.O. Box 2965
Portland, Oregon 97208-2965

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Seasonal Restriction Matrix



Restricted Activity:	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
Road Construction, Decommissioning, Use of native-surface Roads, and ground based yarding <ul style="list-style-type: none"> October 1 – June 30 May vary due to weather conditions; soil moisture still overrides weather conditions 	X	X	X	X	X	X						
Partial Harvest Area Activities (Sap flow) <ul style="list-style-type: none"> April 1 – June 15 Sap flow restrictions may be conditionally waived at the discretion of BLM 				X	X	X						
Stream Culvert Installation and Removal <ul style="list-style-type: none"> September 1 – June 30, both days inclusive 	X	X	X	X	X	X						
Wildlife Seasonal Restriction <ul style="list-style-type: none"> Partial Harvest Areas 1 and 3 March 1 – July 15 of each year, both days inclusive 			X	X	X	X	X					

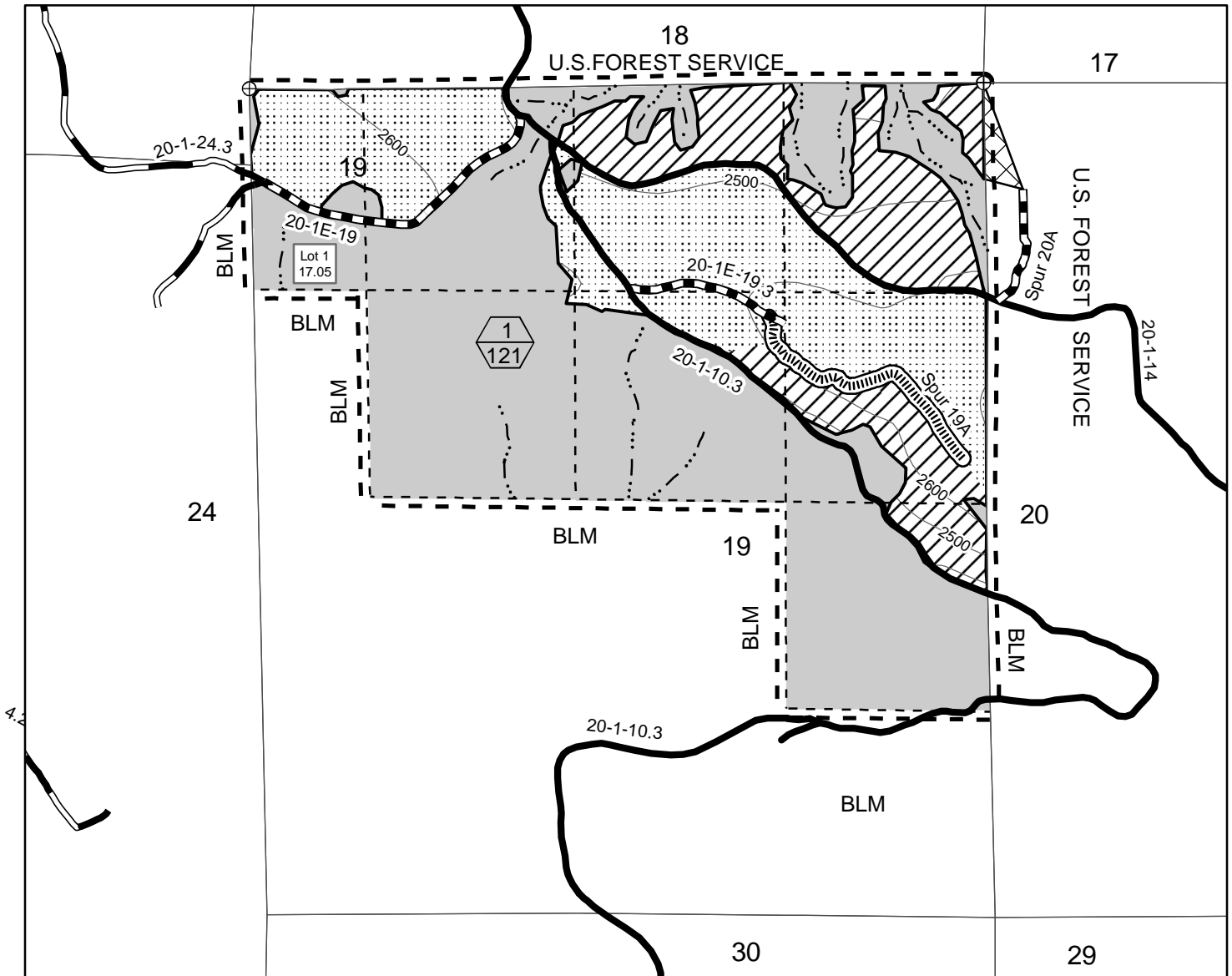
NOTE: This chart is for informational purposes only. Refer to Section 42 Special Provisions of the timber sale contract for exact date restrictions and specifications. Subject to transient winter snow, elevation ranges from 900 – 2000 feet.



**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

EXHIBIT A
Sheet 1 of 3

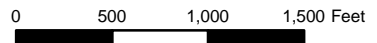
MISSING LINKS TIMBER SALE CONTRACT NO.: ORE06-TS16-686
T. 20 S., R. 1 E., SEC. 19, WILL. MER., EUGENE DISTRICT



- Partial Harvest Area - Ground based
- Partial Harvest Area - Cable
- Yarding Area on USFS
- Boundary of Cutting Area - Posted, Painted
- Reserve Area
- Contract Area
- Right-of-Way (Clearcut)
- Construction - Native
- Paved Road
- Rocked Road
- Renovation
- Stream
- Corner Found
- Unit Number (Top)/ Unit Acres (Bottom)

GRAND TOTALS FOR SECS 13, 19 & 23	
PARTIAL HARVEST AREA	242.00
RIGHT-OF-WAY (CLEARCUT)	3.00
RESERVE AREA	492.05
CONTRACT AREA	737.05 Acres

TOTAL FOR SECTION 19	
PARTIAL HARVEST AREA	121.00
RIGHT-OF-WAY (CLEARCUT)	1.00
RESERVE AREA	175.05
CONTRACT AREA	297.05 Acres



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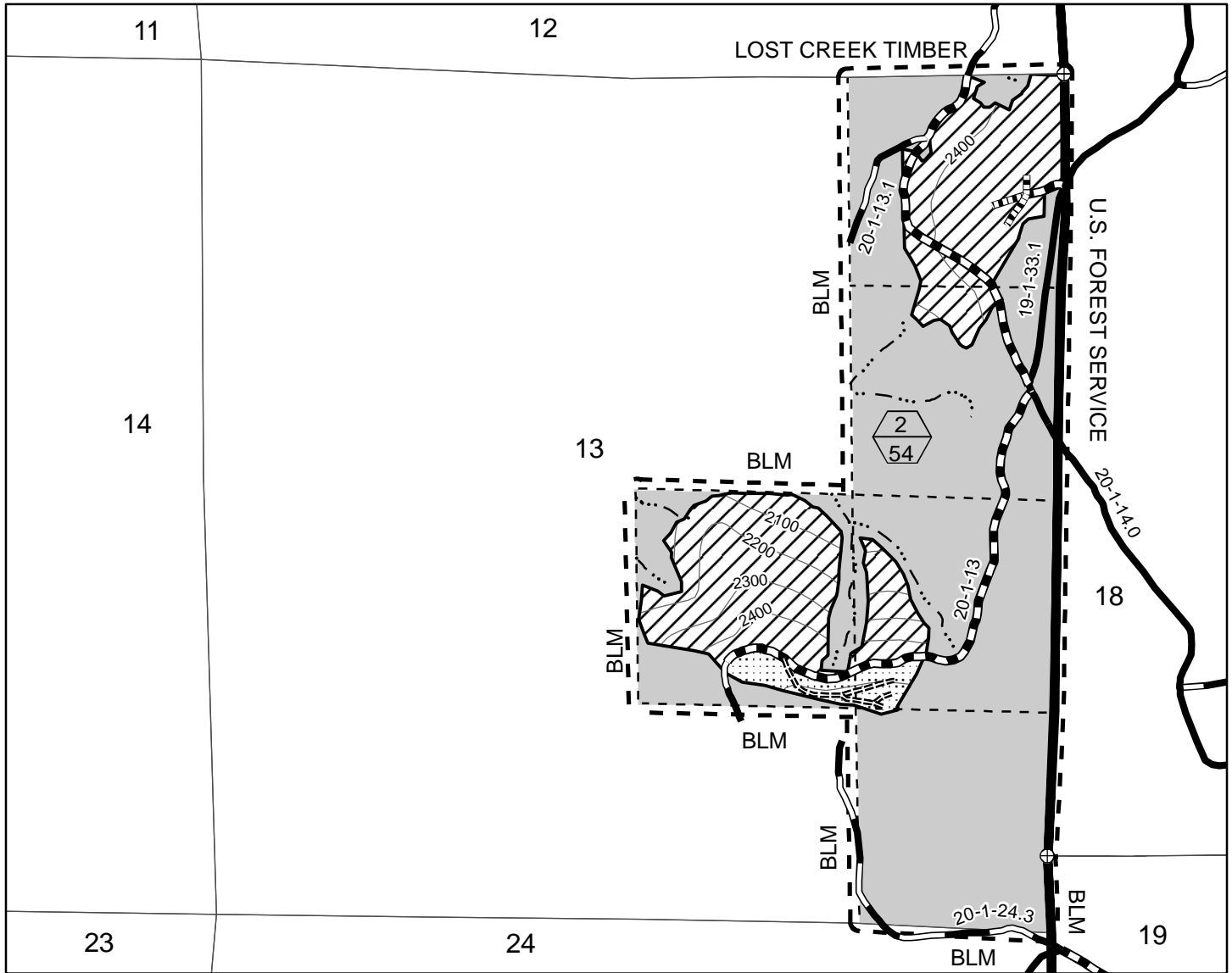
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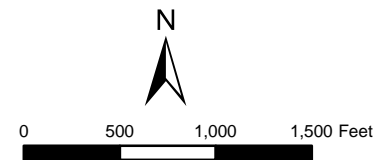
EXHIBIT A
Sheet 2 of 3

MISSING LINKS TIMBER SALE CONTRACT NO.: ORE06-TS16-686
T. 20 S., R. 1 W., SEC. 13, WILL. MER., EUGENE DISTRICT



- Partial Harvest Area - Ground based
- Partial Harvest Area - Cable
- Boundary of Cutting Area - Posted, Painted
- Reserve Area
- Contract Area
- Designated Skid Trail
- Construction - Purchaser Locate Landing Spurs

- Paved Road
- Rocked Road
- Renovation
- Stream
- Corner Found
- Unit Number (Top)/ Unit Acres (Bottom)



2/16/2016

TOTAL FOR SECTION 13	
PARTIAL HARVEST AREA	54
RESERVE AREA	146
CONTRACT AREA	200 Acres

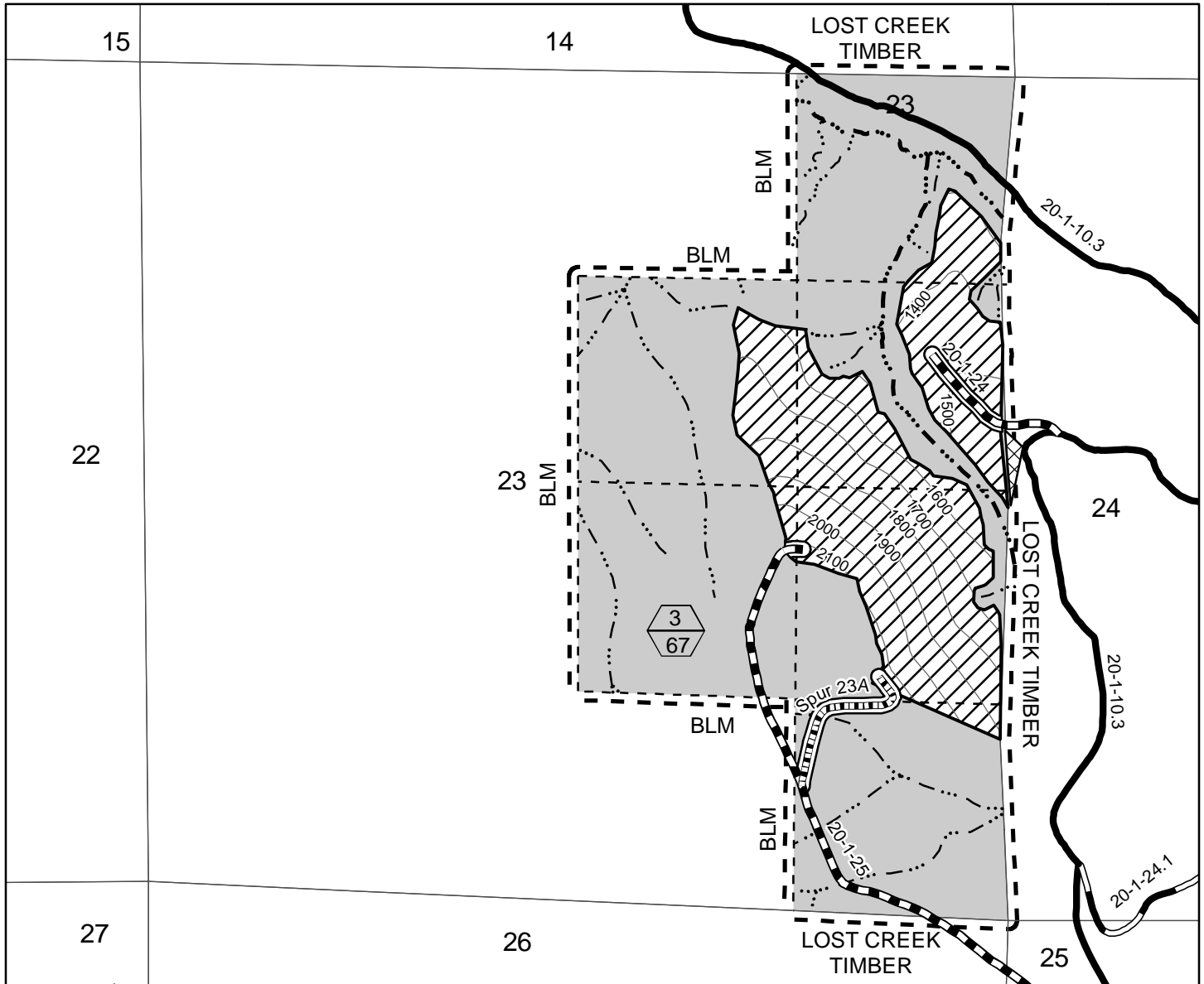
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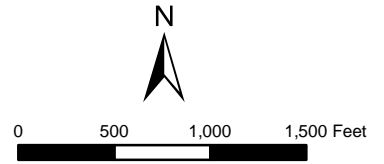
**UNITED STATES
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EXHIBIT A
Sheet 3 of 3

MISSING LINKS TIMBER SALE CONTRACT NO.: ORE06-TS16-686
T. 20 S., R. 1 W., SEC. 23, WILL. MER., EUGENE DISTRICT



- Partial Harvest Area - Cable
- Yarding Area on Private Land
- Boundary of Cutting Area - Posted, Painted
- Reserve Area
- Contract Area
- Right-of-Way (Clearcut)
- Paved Road
- Rocked Road
- Renovation
- Construction - Rock
- Stream
- Fish Bearing Stream
- Unit Number (Top)/ Unit Acres (Bottom)



TOTAL FOR SECTION 23	
PARTIAL HARVEST AREA	67
RIGHT-OF-WAY (CLEARCUT)	2
RESERVE AREA	<u>171</u>
CONTRACT AREA	240 Acres

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Contract No.

ORE06-TS16-686

EXHIBIT B

LUMP SUM SALE

Missing Links

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	3,177 MBF		
Western hemlock	1,129 MBF		
Western redcedar	34 MBF		
Incense-cedar	9 MBF		
TOTALS	4,349 MBF		

The apportionment of the total purchase price is as follows:

Partial Harvest Area No. 1 – 121 Acres (17.6 MBF/Acre)

Douglas-fir	1,542 MBF
Western hemlock	560 MBF
Western redcedar	17 MBF
Incense-cedar	5 MBF
	<hr/> 2,124 MBF

Partial Harvest Area No. 2 – 54 Acres (17.6 MBF/Acre)

Douglas-fir	688 MBF
Western hemlock	250 MBF
Western redcedar	8 MBF
Incense-cedar	2 MBF
	<hr/> 948 MBF

Partial Harvest Area No. 3 – 67 Acres (17.5 MBF/Acre)

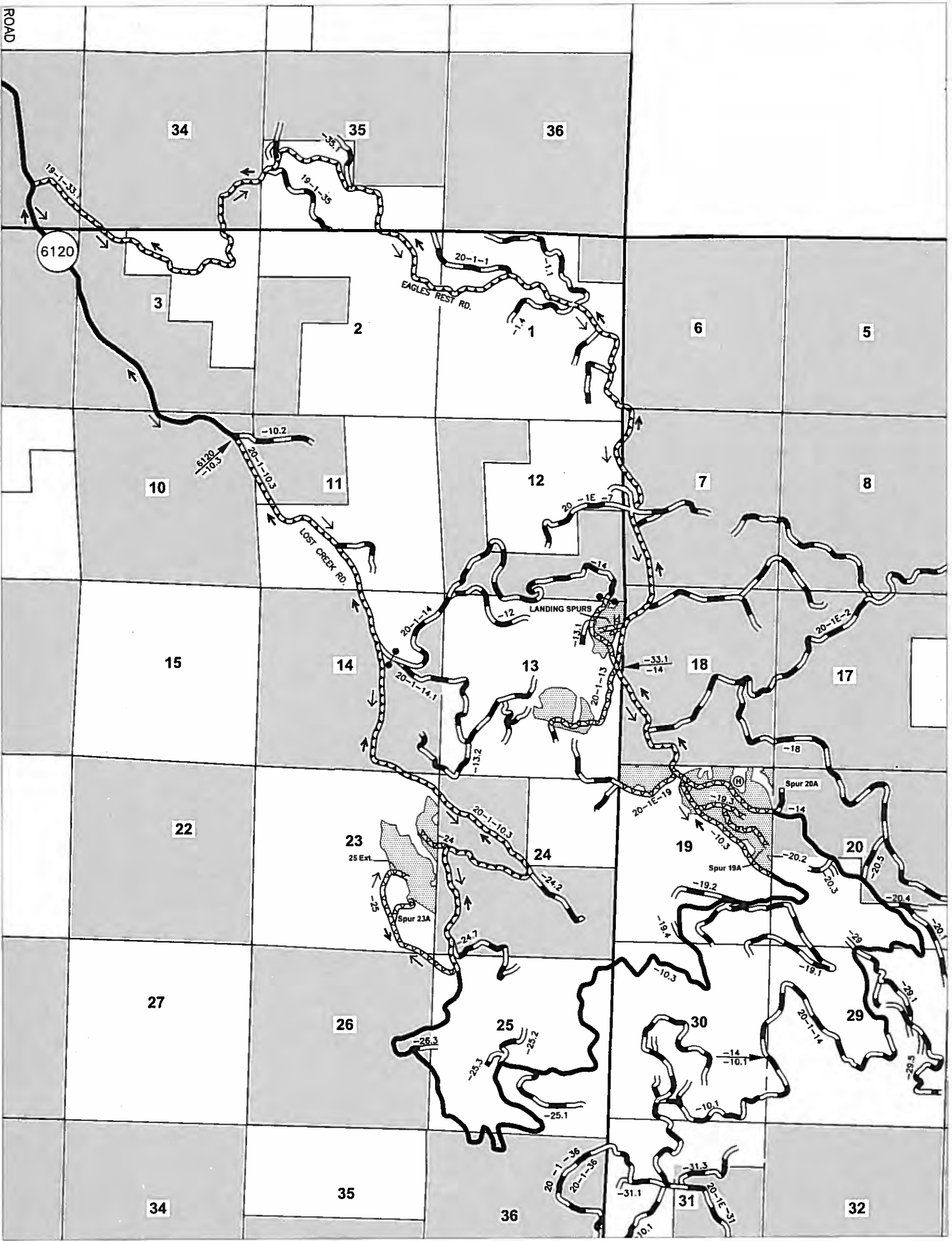
Douglas-fir	853 MBF
Western hemlock	310 MBF
Western redcedar	9 MBF
Incense-cedar	2 MBF
	<hr/> 1,174 MBF

Right-of-Way Area No. 1 – 1 Acre (53.0 MBF/Acre)

Douglas-fir	50 MBF
Western hemlock	3 MBF
	<hr/> 53 MBF

Right-of-Way Area No. 3 – 2 Acres (25.0 MBF/Acre)

Douglas-fir	44 MBF
Western hemlock	6 MBF
	<hr/> 50 MBF



T19S
T20S

R1W R1E

SALE NAME: MISSING LINKS
 CONTRACT NO: ORE06-TS16-686

U.S. DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 EUGENE DISTRICT, UPPER WILLAMETTE R.A.

LEGEND

- BLM MAINTAINED ROADS
- PURCHASER MAINTAINED ROADS
- ROCKED ROAD
- PAVED ROAD
- TIMBER HAUL ROUTE
- MINERAL HAUL ROUTE
- GATE
- BLM LAND
- PRIVATE LAND
- HARVEST UNITS
- SEGMENT LABEL

**EXHIBIT D
ROAD MAINTENANCE MAP**

T. 19 S., R. 1 W., Sections 33, 34, 35
 T. 20 S., R. 1 W., Sections 1, 2, 3, 10, 11, 12, 13, 14, 23, 24, 25, 26
 T. 20 S., R. 1 E., Sections 6, 7, 18, 19, 20
 WILLAMETTE MERIDIAN, LANE COUNTY, OREGON

DESIGNED BY: M. MILLAY
 DRAWN BY: P. PISANI
 DATE: 02/2016



SPECIAL PROVISIONS FOR LOGGING RESIDUE REDUCTION

Upon completion of harvest on any individual units, logging slash at all landings, slash located along designated roads, as approved or directed by the Authorized Officer, shall be treated as follows:

CONSTRUCTION AND COVERING OF LANDING AND ROADSIDE PILES

1. Purchaser shall pile logging slash at all landings and machine pile logging slash within 25 feet of the road surface of Road Nos. 20-1-10.3, 20-1-13, 20-1-14, 20-1E-19, and 20-1E-19.3, where they pass through Partial Harvest Areas as directed by the Authorized Officer. Surfacing on paved Road Nos. 20-1-10.3 and 20-1-14 shall be protected during slash piling operations. Any necessary surfacing repairs after slash piling is completed will be at the Purchaser's expense and in accordance with Exhibit D. With the approval of the Authorized Officer, the Purchaser shall have the option to hand pile.
2. All logs more 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.
3. All slash greater than one (1) inch in diameter, up to and including six (6) inches in diameter on the large end, having a minimum length of three (3) feet shall be piled. Prior to piling, all pieces greater than twenty (20) feet in length shall be bucked, or piled separately as directed by Authorized Officer.
4. Prior to commencement of mechanized slash work, all equipment must be cleaned prior to entering of BLM lands, as approved by the Authorized Officer.
5. Equipment used shall be equipped with hydraulic thumb or a controllable, grapple head. The machine shall have a minimum reach of twenty-five (25) feet and shall travel on the road only.
6. All piles shall be compact and free of dirt, gravel, or other noncombustible material. Protruding pieces shall be trimmed to prevent puncturing and allow covering in a manner that permits the piles to shed water. Height shall be at least six (6) feet and no greater than twelve (12) feet. Width shall be not less than twelve (12) feet or greater than twenty-four (24) feet as directed by the Authorized Officer. Piles shall not have a width greater than two times the height.
7. Piling shall be completed within thirty (30) days of the completion of yarding for each landing.
8. All piles shall be covered with black polyethylene plastic four (4) mil. thick. Each pile shall have 50 percent coverage up to a maximum of 200 square feet, covering the top of pile, or as approved by the Authorized Officer. The covering shall be securely anchored to the pile with combustible cord in a manner to maintain coverage for a year, to the satisfaction of the Authorized Officer. All covering shall be completed on piles by September 15th of each year, or as directed by the Authorized Officer.
9. Piles shall be located as directed by the Authorized Officer. No pile shall be located on down logs or within ten (10) feet of any other pile, reserve trees, or culverts unless approved by the Authorized Officer.
10. All piles must be accepted in writing by the Authorized Officer. If the Purchaser elects to buy out of the pile burning in accordance with Section 42(e)(1) of the contract, acceptance of the piles by the Authorized Officer will constitute relinquishment of the pile material from Purchaser to the BLM. Upon relinquishment, BLM will commence disposal of pile material.
11. Upon completion of harvest, all resulting piles will be burned as authorized by the Authorized Officer and in accordance to Special Provisions 12-20.

PILE BURNING

12. Notwithstanding the provisions of Section 15 of this contract, the Government shall assume all obligations for the disposal or reduction of the fire hazards caused by slash created by the Purchaser's operations on Government lands, except for logging residue reduction, slash pullback operations listed above, and burning and fire control assistance as required herein. Upon phone notification by the Authorized Officer of required performance prior to ignition, the Purchaser shall, under supervision of the Authorized Officer or his designated representative, assist in pile burning and fire control. In addition, debris which has been buried at landings and is determined to be the source of holdover fire shall be excavated by the Purchaser with a tractor and/or hydraulic excavator as directed by the Authorized Officer.
13. The Purchaser shall remove plastic covering in excess of 100 square feet prior to ignition, unless conditionally waived by the Oregon Department of Forestry. All excess plastic shall be removed and disposed of in a lawful manner off of BLM land.
14. The Purchaser shall furnish, at his own expense, the services of personnel and equipment on all units requiring burning as shown below:
 - (a) One (1) work leader (Firefighter Type 1 (FFT1)) to supervise crew and to serve as Purchaser's representative.
 - (b) At least one (1) additional firefighter (Firefighter Type 2 (FFT2)) for ignition of piles.
 - (c) Drip torches and slash fuel (3:1 ratio of diesel to gasoline, or biofuel equivalent).
 - (d) Aluma-gel or other incendiary device.
 - (e) One (1) chain saw with fuel.
 - (f) One (1) hand tool per above listed personnel.
15. 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 lug sole 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.
16. 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.
17. In the event of a fire escapement, the Purchaser's personnel and equipment shall, under supervision of the Authorized Officer or his designated representative, take action to control and mop-up the escaped fire until released from such service by the Government. If it becomes necessary to suppress a fire which escapes from the prescribed fire area for a period beyond midnight of the day following ignition, then the Government shall, at its option:
 - (a) Reimburse the Purchaser for such additional use of personnel and equipment at wage rates show. 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

- (b) Release the Purchaser from additional suppression work and assume responsibility for suppressing the escaped fire.
18. 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.
19. The Purchaser may be required to burn slash on a 12 hour notice, 10 days after the initial notice is received. Burning may need to be accomplished at night or on Saturday, Sunday, or holidays. 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 site preparation work and/or the use of additional personnel and equipment to accomplish the planned burn, the Purchaser also shall be responsible for such additional costs.
20. The Purchaser must obtain a Permit to Use Fire or Power-Driven Machinery from the Oregon Department of Forestry. Burning will be done in accordance with Oregon Administrative Rule 629-48 as well as a Burn Plan approved by the BLM.

Road and Skid Trail Decommissioning Work List

- (1) The Purchaser shall complete the following decommissioning measures according to the specifications and schedule below and as shown on Sheets 2 and 3 of this Exhibit. All decommissioning shall be completed during the dry season, typically between July 1 and September 30, as determined by the Authorized Officer.
- (aa) Purchaser shall decompact skid trails to a depth of 18 inches with decompaction equipment such as a track mounted excavator with ripping teeth and an opposable thumb, during the dry season. Minimize damage to residual tree roots. The Purchaser shall decompact the entire trail prism. Slash and debris shall be pulled on top of the decompact surface as directed by the Authorized Officer. If equipment other than an excavator is used, it shall be approved by the Authorized Officer. It shall also be capable of decompacting to the required depth and provide lateral shatter of compacted layer.
 - (bb) Purchaser shall construct drainage dips, waterbars and/or lead-off ditches, as directed by the Authorized Officer. Waterbars shall be constructed in accordance with the specifications shown on Exhibit H.
 - (cc) The Purchaser shall block roads and skid trails with root wads, logs, boulders, and slash as directed by the Authorized Officer.

Road	Surface	(aa) Decompact and Place Log Slash	(bb) Drainage	(cc) Block
Skid Trails	Native	X	X	X
Spur 19A	Native	X if Native	X	X
Spur 20A	Native		X	X
Spur 23A	Rock		X*	X
20-1-13	Rock			X
20-1-24	Rock			X

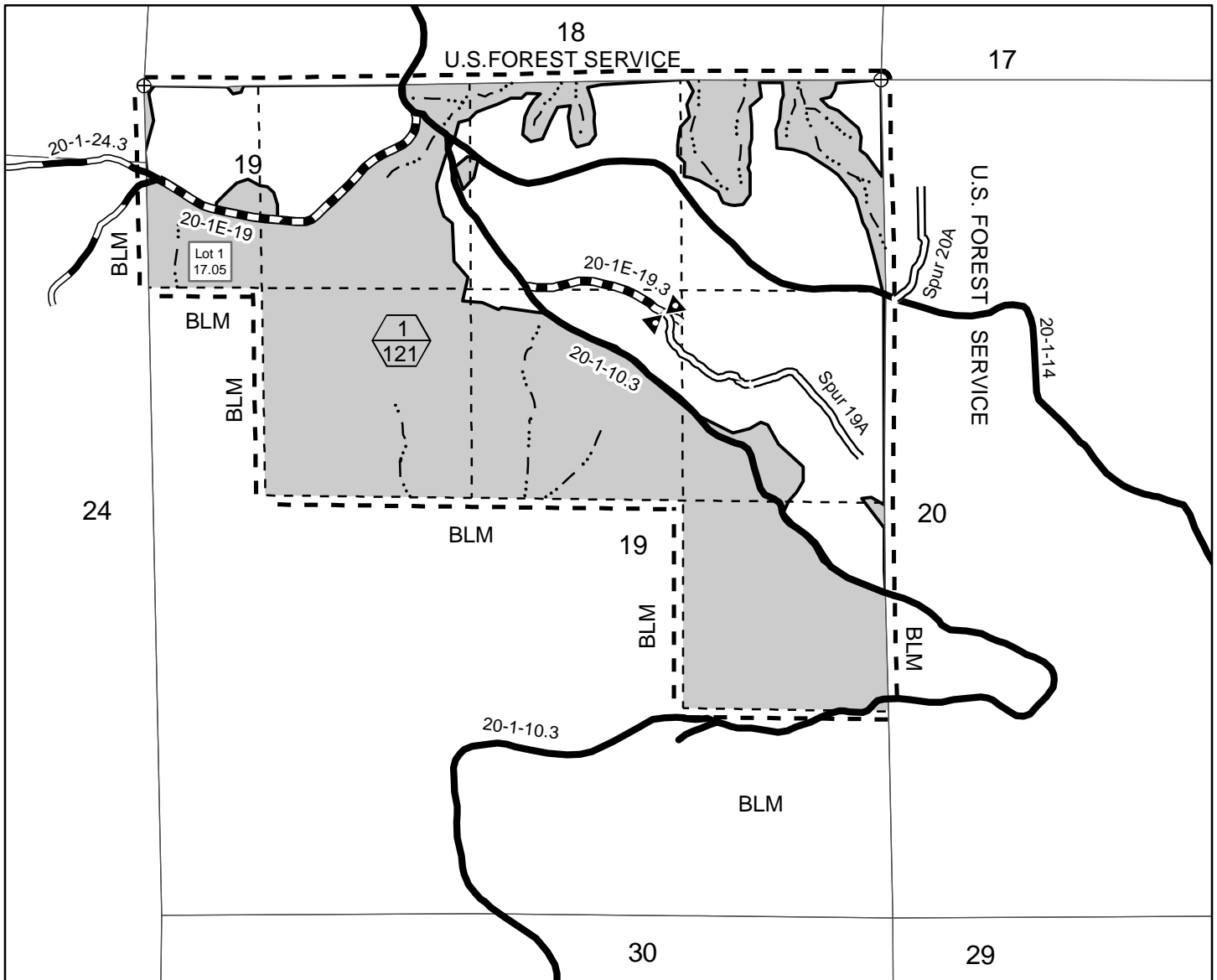
*The Purchaser will be required to construct waterbars immediately above and below existing culverts after harvest operations. Culverts are located on Spur 23A at stations 4+50 and 6+50.



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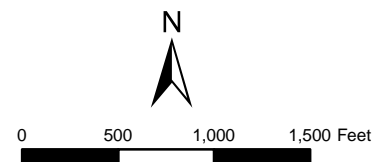
EXHIBIT G
Sheet 2 of 4

MISSING LINKS TIMBER SALE CONTRACT NO.: ORE06-TS16-686
T. 20 S., R. 1 E., SEC. 19, WILL. MER., EUGENE DISTRICT



- | | | | |
|--|--|--|---|
| | Boundary of Cutting Area - Posted, Painted | | Rocked Road |
| | Reserve Area | | Renovation |
| | Contract Area | | Stream |
| | Road To Be Treated | | Corner Found |
| | Paved Road | | Unit Number (Top)/
Unit Acres (Bottom) |
| | | | Barrier |

Road Decommissioning



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. This information may not meet National Map Accuracy Standards. This product was developed through digital means and may be updated without notification.

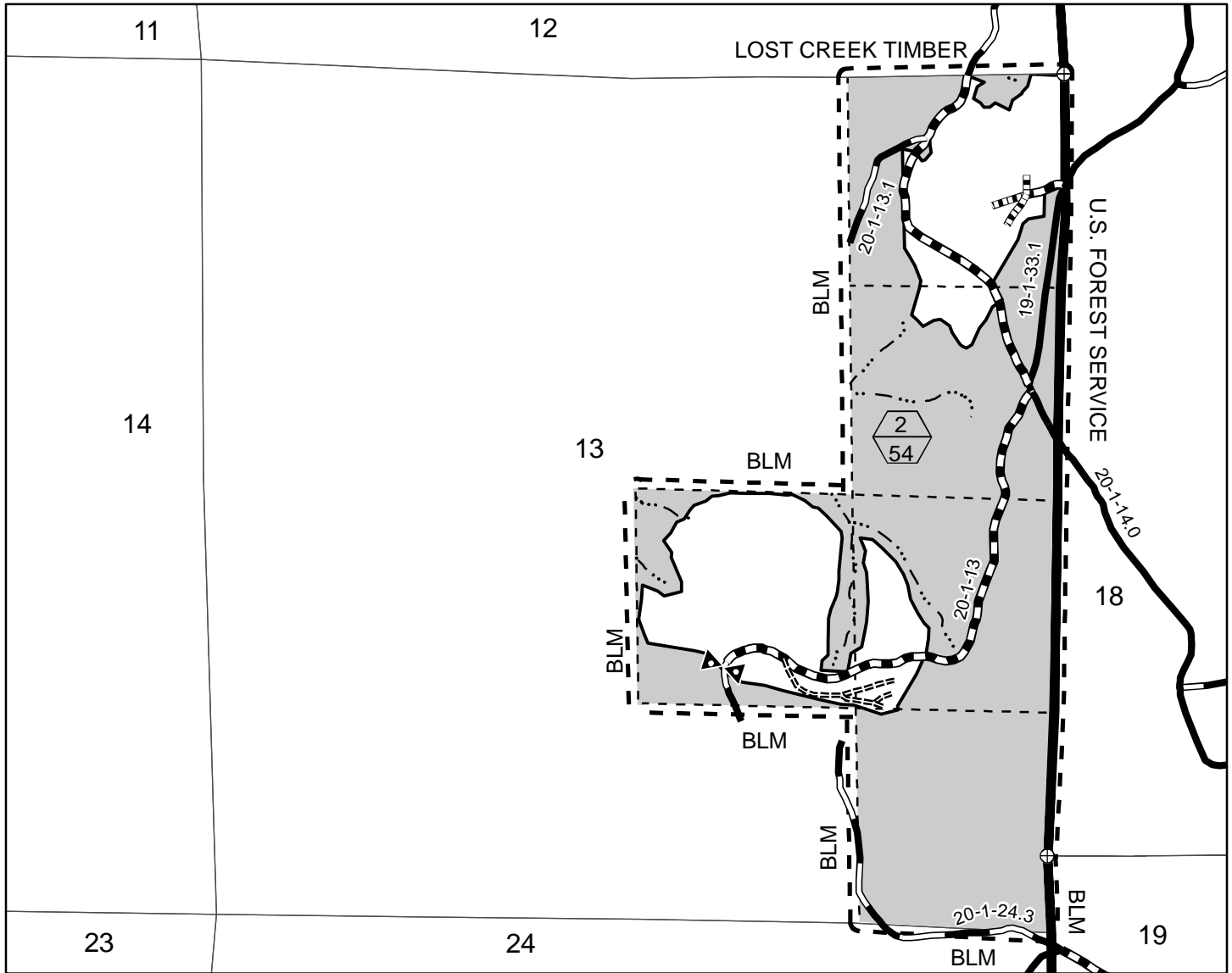
United States Department of the Interior
Bureau of Land Management
Oregon State Office
P.O. Box 2965
Portland, Oregon 97208-2965



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BUREAU OF LAND MANAGEMENT**

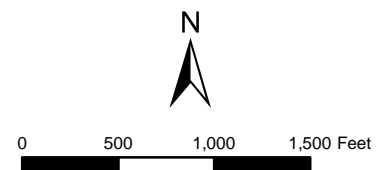
EXHIBIT G
Sheet 3 of 4

MISSING LINKS TIMBER SALE CONTRACT NO.: ORE06-TS16-686
T. 20 S., R. 1 W., SEC. 13, WILL. MER., EUGENE DISTRICT



- | | |
|--|---|
| Boundary of Cutting Area - Posted, Painted | Construction - Purchaser Locate Landing Spurs |
| Reserve Area | Stream |
| Contract Area | Corner Found |
| Designated Skid Trail | Unit Number (Top)/ Unit Acres (Bottom) |
| Paved Road | Barrier |
| Rocked Road | |
| Renovation | |

Road Decommissioning



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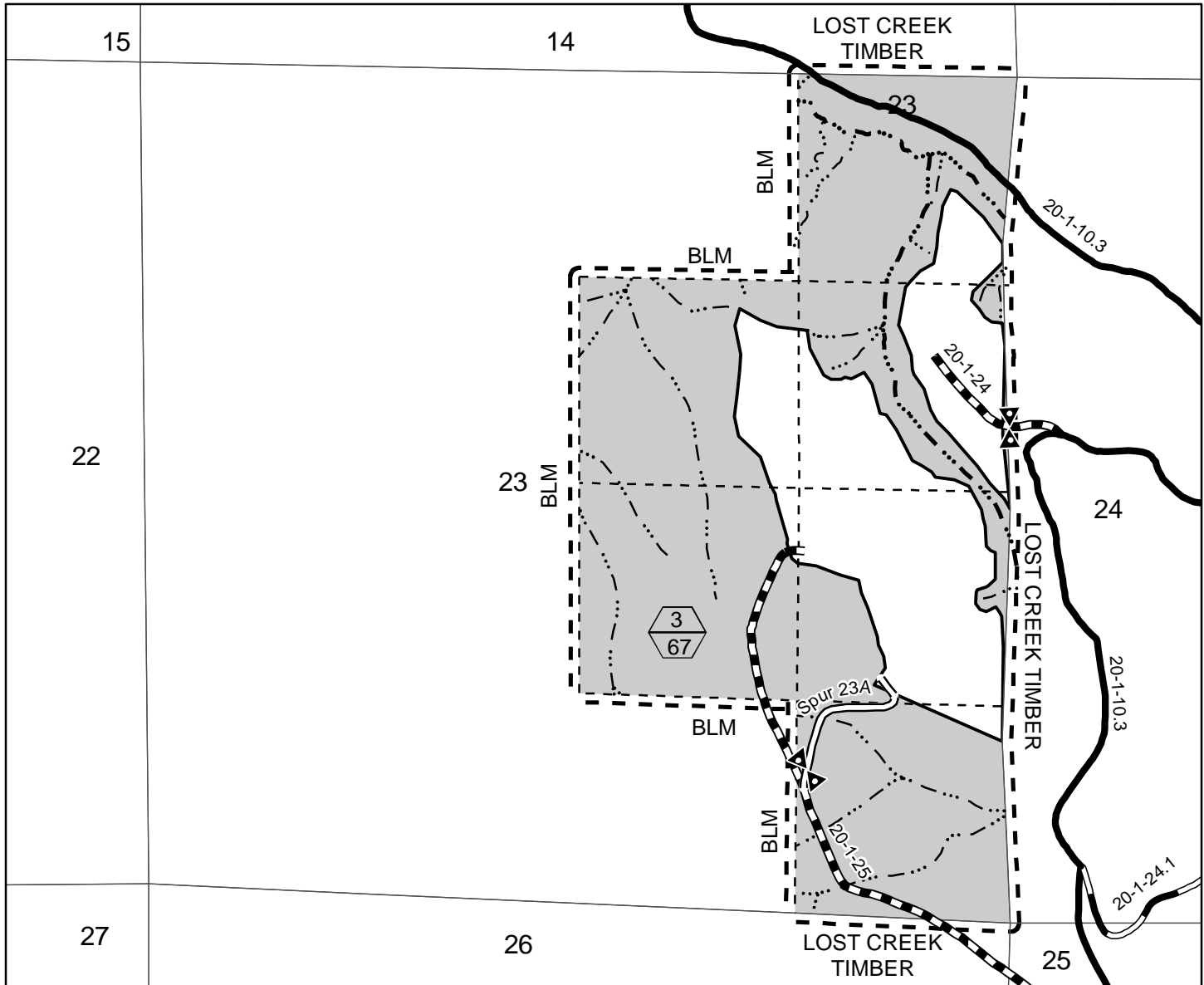
United States Department of the Interior
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Portland, Oregon 97208-2965



**UNITED STATES
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BUREAU OF LAND MANAGEMENT**

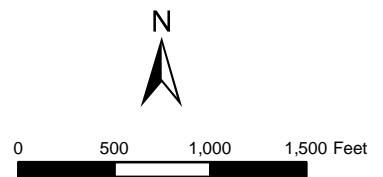
EXHIBIT G
Sheet 4 of 4

MISSING LINKS TIMBER SALE CONTRACT NO.: ORE06-TS16-686
T. 20 S., R. 1 W., SEC. 23, WILL. MER., EUGENE DISTRICT



- | | | | |
|--|--|--|---|
| | Boundary of Cutting Area - Posted, Painted | | Rocked Road |
| | Reserve Area | | Renovation |
| | Contract Area | | Stream |
| | Right-of-Way (Clearcut) | | Fish Bearing Stream |
| | Road To Be Treated | | Unit Number (Top)/
Unit Acres (Bottom) |
| | Paved Road | | Barrier |

Road Decommissioning



United States Department of the Interior
Bureau of Land Management
Oregon State Office
P.O. Box 2965
Portland, Oregon 97208-2965

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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.

See Sheet 1 which is attached hereto and made a part hereof.

Tract No. E-16-686

Parcel No. 2

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 EUGENE DISTRICT OFFICE, 3106 PIERCE PARKWAY, SPRINGFIELD, OREGON.

SALE DATE: March 24, 2016

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)

(Signature)

(Address)

(Signature)

(Address)

(Signature)

(Address)

(Name of Corporation)

(Signature)

(Title)
UNITED STATES OF AMERICA
By _____
(Signature)

(Title)

(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 Cutting and/or Removal

- (a) All timber on the Reserve Areas shown on Exhibit A and all orange painted and posted trees in the Partial Harvest Areas which are on or mark the boundaries of the Reserve Areas.
- (b) All trees marked with orange paint above and below stump height in the Partial Harvest Areas as shown on Exhibit A.
- (c) All orange marked trees greater than 25 inches DBH within 400 feet of Fish Bearing Streams and 200 feet of all other streams shown on Exhibit A felled for safety or operational reasons shall remain on site as coarse woody debris. Where necessary for safety or operational reasons, coarse woody debris logs may be bucked into shorter lengths and/or moved within the unit.
- (d) All existing decay class 3, 4, and 5 snags, down wood, and existing rootwads in the Partial Harvest Areas as shown on Exhibit A. Decay classes are illustrated on Exhibit I which is attached hereto and made a part hereof.
- (e) In the Partial Harvest Areas 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.
- (f) In the renovation of Spur 20A or in the Yarding Area on USFS shown on Exhibit A, all conifer trees 20" or greater DBH shall be reserved where operationally possible. Any conifer trees greater than 20.0" that are felled for safety or operational purposes shall be retained as close as possible to the location where the tree was felled and shall not be bucked.

SEC. 42 - Special Provisions

- (a) Logging
 - (1) Before beginning operations on the contract area for the first time, entering a new Partial Harvest Area, 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) In the Partial Harvest Areas shown on Exhibit A, all trees designated for cutting shall be felled to the lead and bucked into log lengths not to exceed forty (40) feet before being yarded unless otherwise approved by the Authorized Officer. Trees shall be directionally felled away from Reserve Areas, coarse woody debris, and snags, except when necessary for safety or operational reasons.
 - (4) No felling, yarding, or loading is permitted in or through the Reserve Areas shown on Exhibit A, unless otherwise approved by the Authorized Officer.
 - (5) In Partial Harvest Area Nos. 1 and 3 shown on Exhibit A, no harvest activities, including road construction/decommissioning, shall be conducted from March 1 to July 15 of each year, both days inclusive. This restriction may be modified (reduced or extended) based on relevant survey information. Road renovation will be permitted.
 - (6) The use of native surface roads shall occur during periods of dry weather (typically July 1 - September 30) or as determined by the Authorized Officer.

- (7) In the Partial Harvest Areas shown on Exhibit A, no harvest activities shall be conducted from April 1 to June 15 of each year, both days inclusive, for sap flow, unless otherwise requested and approved in writing by the Authorized Officer.
- (8) During logging operations, the Purchaser shall keep Road Nos. 20-1-10.3 and 20-1-14, where they pass through the contract area, clear of trees, rock, dirt, and other debris so far as is practicable.
- (9) The Purchaser shall provide warning signs and flaggers in accordance with Section 29 of the contract to control traffic on Road Nos. 20-1-10.3 and 20-1-14 during active harvest operations. The roads shall not be blocked by such operations for more than 30 minutes.
- (10) Surfacing on Road Nos. 20-1-10.3 and 20-1-14 shall be protected during logging operations. Any necessary repairs after logging is completed will be at the Purchaser's expense and in accordance with Exhibit D.
- (11) No landings shall be located within 50 feet of reserve area boundaries adjacent to streams, unless otherwise approved by the Authorized Officer.
- (12) In the Partial Harvest Areas-Cable shown on Exhibit A, yarding shall be done with a carriage equipped skyline system capable of laterally yarding at least 75 feet from the skyline road. The carriage shall be capable of being held in position on the skyline during lateral yarding. Skyline roads shall not be placed closer than 150 feet apart with parallel settings on roads if topography allows unless approved by the Authorized Officer. During yarding, the lead end of the logs shall be suspended clear of the ground. Intermediate supports and/or lift trees may be needed.
- (13) Before clearing any skyline road necessary for yarding in the Partial Harvest Areas-Cable as shown on Exhibit A, the Purchaser shall:
 - (aa) Mark the location of the skyline road on the ground with fluorescent pink plastic flagging. Such skyline roads shall be limited to the minimum width necessary for yarding of logs with minimum damage to reserve trees but, in any case, the width of each skyline road shall not exceed 12 feet, measured between trunks of reserve trees.
 - (bb) 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. Prior to cutting the Yarding Area on USFS, Purchaser shall comply with the provisions set forth in Section 42(b)(15)(gg).
 - (cc) Skyline roads shall be placed on the landscape to avoid disturbance to snags, down wood, and existing rootwads where feasible.
- (14) Prior to attaching any logging equipment to a reserve tree, the Purchaser shall obtain approval from the Authorized Officer and shall take precautions to protect the tree from damage as directed in writing by the Authorized Officer.
- (15) On the Designated Skid Trail in Partial Harvest Area No. 2 as shown on Exhibit A, the Purchaser shall keep equipment within the width and operated only on the existing Designated Skid Trail as approved by the Authorized Officer.
- (16) In the Partial Harvest Areas-Ground based shown on Exhibit A, felling and yarding may be done with ground based equipment on slopes of 35% or less. The equipment used and timing of the harvest shall have prior approval of the Authorized Officer. Ground based yarding may occur when soil moisture content provides the most resistance to compaction as determined by the Authorized Officer. Typical dates are between July 1 and September 30.
- (17) In the Partial Harvest Areas-Ground based shown on Exhibit A, felling may be done with mechanized harvesting equipment capable of directionally falling trees, cutting trees to length,

completely delimiting the trees and depositing the slash in windrows between the reserve trees as approved by the Authorized Officer under the following conditions:

- (aa) Mechanized harvester shall travel along the windrows of limbs and slash created by the harvesting process and shall be kept to a single pass.
- (18) Before felling and yarding any timber in the Partial Harvest Areas-Ground based as shown on Exhibit A, the Purchaser shall locate and construct designated skid trails as follows:
- (aa) Mark the location of designated skid trails on the ground with fluorescent pink plastic flagging in consultation with the Authorized Officer.
 - (bb) Provide a map of requested skid trail locations a minimum of seven (7) working days in advance of cutting to obtain approval of the locations from the Authorized Officer.
 - (cc) Space designated skid trails at a minimum of 150 feet apart unless otherwise agreed to in writing by the Authorized Officer. Use existing skid trails where possible.
 - (dd) Limit the width of each skid trail to a maximum of 12 feet.
 - (ee) Skid trails shall not be located within 50 feet of reserve area boundaries adjacent to streams, unless otherwise approved by the Authorized Officer.
 - (ff) Skid trails shall be placed on the landscape to avoid disturbance to snags, down wood, and existing rootwads where feasible.
- (19) Before cutting and removing any reserve trees necessary to facilitate logging in the Partial Harvest Areas shown on Exhibit A, the Purchaser shall identify the location of the skid trails in accordance with Section 42(a)(18) and skyline yarding roads in accordance with Section 42(a)(13), and tailhold, tieback, guylines, lift, intermediate support, and danger trees on the ground in a manner approved by the Authorized Officer at the pre-work conference and documented in the Logging Plan. Said Purchaser identification of trees to be cut and removed does not constitute authority to proceed with cutting and removal. In addition, before proceeding, the following conditions must be met:
- (aa) All skid trails and/or skyline yarding roads upon which timber is identified by the Purchaser to be cut and removed in accordance with this special provision must be necessary for the safe and expeditious removal of timber sold under this contract and shall be limited to the minimum width necessary for yarding of logs with a minimum of damage to reserve trees, however, unless otherwise approved in writing by the Authorized Officer, the width of each skid trail, and/or cable yarding road shall be limited to 12 feet.
 - (bb) The Purchaser may immediately cut and remove additional timber to clear skid trails and skyline yarding roads; and provide tailhold, tieback, guylines, lift and intermediate support trees; and clear danger trees when the trees have been marked with blue paint above and below stump height by the Authorized Officer and thereby approved for cutting and removal by the Authorized Officer. The volume of the timber to be sold will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures. No timber may be cut or removed under terms of this provision unless sufficient installment payments have been made in accordance with Section 3(b) of the contract or sufficient bonding has been provided in accordance with Section 3(d) of the contract.
 - (cc) The Purchaser agrees that sale of this additional timber shall be accomplished by a unilateral modification of the contract executed by the Contracting Officer and that such timber shall be sold at the unit prices shown in Exhibit B of this contract unless: the value of the timber must be reappraised subject to the terms for contract extension set forth in Section 9 of the contract; or, the Authorized Officer determines that any tree that exceeds 30 inches diameter at breast height shall be appraised and sold by bilateral modification of the contract at current fair market value in accordance with Sec. 8 of the contract.

- (dd) This authorization for the Purchaser to cut and remove additional timber prior to the execution of a modification may be withdrawn by the Contracting Officer if the Authorized Officer determines that the Purchaser has cut and removed any tree not previously marked and approved for cutting by the Authorized Officer, which under Section 10 of the contract constitutes a violation of the contract and under Section 13 of the contract may constitute a trespass rendering the Purchaser liable for damages under applicable law.
 - (ee) If authorization is withdrawn, the Contracting Officer shall issue a written notice to the Purchaser that the sale of additional timber under this special provision is no longer approved. In this case, the Purchaser shall inform the Authorized Officer at least one (1) working day prior to the need for cutting and removing any additional timber, and execute a bilateral modification prior to cutting for such additional approved timber at the unit prices shown in Exhibit B of the contract or in accordance with Section 8 or Section 9 of the contract as determined by the Authorized Officer in accordance with this provision. The Contracting Officer may issue a written order to the Purchaser to suspend, delay, or interrupt any or all contract work for the period of time deemed necessary and appropriate for the Government to safely measure and mark additional timber.
 - (ff) The Government may reserve trees previously designated for cutting and removal by applying orange paint in the Partial Harvest Areas above and below stump height and the letter "R" on two sides of the trees as replacements for additional trees cut and removed for skid trails and/or skyline yarding roads when the Authorized Officer determines such reservation is necessary to maintain stand densities consistent with objectives set forth in the management prescription. This may include the replacement of trees damaged by storm events, insects, or disease. The volume of this timber to be reserved will be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures and the value shall be based on the unit prices shown in Exhibit B of the contract. The Purchaser agrees that the Total Purchase Price shall be reduced accordingly through a unilateral modification to the contract executed by the Contracting Officer.
- (20) In accordance with the requirements of Section 8 of the contract it has been determined that it is in the best interest of the Government and within the provisions of 43 CFR 5402.0-6 to sell additional timber located in the Partial Harvest Areas to meet all applicable State safety laws, codes, or regulations. This timber must be cut or removed so that the Purchaser can continue active falling and yarding operations. The Purchaser is, therefore, authorized to cut and remove such additional timber in accordance with the provisions of Section 8 of the contract: provided, however, that:
- (aa) Orange marked trees greater than 25" DBH within 400 feet of Fish Bearing Streams and 200 feet of all other streams felled for safety or operational reasons shall not be removed in accordance with Section 41(c). Trees greater than 20" DBH felled for the renovation of Spur 20A or within the Yarding Area on United States Forest Service shall not be removed in accordance with Section 41(f).
 - (bb) The Purchaser shall identify each tree sold and cut in accordance with the provision by marking the cut surface of the stump immediately after falling with a large "X". The "X" shall be cut with a chain saw. The stump shall be marked by hanging flagging so that the stump can be visually located from a distance of not less than 50 feet. The Purchaser shall also paint an identifiable "X" on the butt log. The butt log shall remain on the contract area until such time as the Authorized Officer has scaled such additional timber and authorizes removal from the contract area.
 - (cc) The volume and price for such timber shall be determined by the Authorized Officer in accordance with Bureau of Land Management prescribed procedures and paid for by the Purchaser in accordance with Section 3(b) or 3(d) of the contract as required by Section 8 of the contract.
 - (dd) No timber may be cut or removed under the terms of this provision if all contract payments required by Section 3(b) or 3(d) of the contract have been made.

- (ee) The permission to cut and remove additional timber contained in this provision may be withdrawn by the Contracting Officer if the Authorized Officer determines that the Purchaser:
- (1) Failed to properly mark any stump with the "X" cut.
 - (2) Failed to identify the location of any stump.
 - (3) Cut any tree in or adjacent to skyline yarding corridors that was not necessary to facilitate skyline yarding.
 - (4) Cut any reserve tree in or adjacent to tractor skid trails that was not necessary to facilitate ground based yarding.
 - (5) Failed to properly segregate any pulled over tree that was yarded to the landing.
 - (6) Cut any reserve tree that was not severely (as defined during the prework conference and documented in the approved logging plan) damaged from felling and yarding operations.
 - (7) Cut more than the minimum number of trees necessary to properly serve as guyline anchor stumps.
 - (8) Cut or topped more than the minimum number of trees necessary to properly serve as tailhold trees.
 - (9) Failed to maintain accurate and current (no more than 24 hours old) documentation of cut and removed timber.

If the permission to cut and remove additional timber provision is withdrawn, the Purchaser shall inform the Authorized Officer at least five working days prior to the need for cutting and yarding any guyline tree, tailhold tree, tie-back tree, danger tree, corridor tree, pulled over tree, and severely damaged tree. All sales of additional timber shall comply with Section 8 of the contract. The Contracting Officer may order the Purchaser, in writing, to suspend, delay, or interrupt all or any part of the work of this contract for the period of time that the Contracting Officer determines appropriate for the Government to safely measure and mark additional timber.

All skyline yarding and/or ground based equipment skid trails upon which timber may be cut and removed in accordance with this special provision must be needed for the removal of timber sold under this contract and shall be limited to the narrowest width necessary for the yarding of logs with minimum damage to reserved trees.

The Purchaser shall be liable for damages in accordance with Section 13 of the contract for any reserved timber cut or removed in violation of the terms of this special provision.

(b) Road Construction, Renovation, Use, and Maintenance

- (1) The Purchaser shall construct Spurs 19A, 23A, and three Landing Spurs, and renovate Spur 20A and Road Nos. 20-1-10.3, 20-1-13, 20-1-14, 20-1E-19, 20-1E-19.3, 20-1-24, and 20-1-25 in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof. Exhibit C contains 41 sheets.
- (2) The Purchaser shall have the option to rock Spur 19A and Road No. 20-1E-19.3 for wet weather haul. Any costs for rocking and installation of additional drainage features will be at the Purchaser's expense and shall be completed in accordance with the plans and specifications shown in Exhibit C of this contract.
- (3) Prior to removal of any timber, except right-of-way timber, the required construction and/or renovation of the haul route for that timber shall be completed prior to hauling as specified in Exhibit C.

- (4) Culvert replacement/installation on streams shall be done between July 1 and August 31 (both days inclusive), and shall be completed prior to hauling and fall rains. During installation of the stream culverts, dewatering of the culvert bed, silt fences and/or straw bales may be required as directed by the Authorized Officer. All work shall be completed in accordance with the plans and specifications shown in Exhibit C.
- (5) The Purchaser shall furnish and place 200 cubic yards of surface maintenance rock in accordance with Exhibit D, Subsection 3102. Road reinforcement (rocking) and additional maintenance that may be required for wet weather haul shall be at the Purchaser's expense.
- (6) BLM 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 pay the required maintenance obligations described in Section 42(b)(9). The Purchaser shall pay current Bureau of Land Management maintenance fees for the sale of additional timber under modification of the contract.

<u>Road No. and Segment</u>	<u>Length Miles Used</u>	<u>Road Control</u>	<u>Road Surface Type</u>
19-1-33.1	7.01	BLM	Paved
20-1-10.3 Segs A-C	4.64	BLM	Paved
20-1-14 Seg H (por.)	0.81	BLM	Paved

- (7) 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 and/or the U.S. Forest Service for the removal of Government timber sold under the terms of this contract and/or the hauling of rock as required in Exhibit C and D, provided that the Purchaser comply with the conditions set forth in Section 42(b)(8) and pay the required rockwear obligation described in Section 42(b)(10). The Purchaser shall pay current Bureau of Land Management rockwear fees for the sale of additional timber under modification to the contract.

<u>Road No. and Segment</u>	<u>Length Miles Used</u>	<u>Road Control</u>	<u>Road Surface Type</u>
Spur 19A	0.33	BLM	Native
Spur 20A	0.09	USFS	Native
Spur 23A	0.21	BLM	Rock
Purchaser Locate x3	0.06	BLM	Rock
20-1-13	0.64	BLM	Rock
20-1-14 Seg G	0.31	BLM	Rock
20-1-14 Seg H	0.64	BLM	Paved
20-1E-19	0.38	BLM	Rock
20-1E-19.3	0.14	BLM	Rock
20-1-24	0.21	BLM	Rock
20-1-25	0.78	BLM	Rock

USFS = U.S. Forest Service

- (8) 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.
- (9) The Purchaser shall pay to the Government a road maintenance obligation in the amount of Twenty Thousand Six Hundred Fifty-six and 71/100 dollars (\$20,656.71) for the transportation of timber included in the contract price over roads listed in Section 42(b)(6).

The above road maintenance amount is for the use of 12.46 miles of road, or less. Unless the total maintenance 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.

- (10) The Purchaser shall also pay to the Government a road maintenance obligation for rockwear in the amount of Eight Hundred Fifteen and 23/100 dollars (\$815.23) for the transportation of timber included in the contract price over the roads listed in Section 42(b)(7). The total rockwear amount shall be paid prior to the removal of timber from the contract area.
- (11) The Authorized Officer may, at any time by written notice, terminate the Purchaser's road maintenance obligations and require instead payment of current Bureau of Land Management road maintenance fees for the particular surface type of the roads involved. These fees will be applied to the remaining contract volume on the sale area to be transported over roads listed in Section 42(b). The Purchaser shall pay the total maintenance amount for said roads within 30 days following receipt of written notice; provided, however, that if the total amount exceeds One Thousand and no/100 dollars (\$1,000.00), the Purchaser may elect to make payment in installments in the same manner as and together with payments required in Section 3 of this contract.
- (12) With the prior written approval of the Authorized Officer, the Purchaser may arrange for cooperative maintenance with other users on Road No. 20-1-14 Seg. G (por.) included in Section 42(b)(7) of this contract; provided, that such cooperative arrangement shall not relieve the Purchaser of his liability for the maintenance and repair of such roads resulting from wear or damage, in accordance with this contract. Prior to hauling, the Purchaser shall furnish the Authorized Officer a copy of any cooperative maintenance agreement(s) entered into with other users on these roads.
- (13) In the use of tailholds/guylines, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. 300B between the United States of America and Lost Creek Timber.
 - (aa) Prior to the use of tailholds/guylines, the Purchaser shall execute a Short Form Tramway Agreement with Lost Creek Timber. The Short Form Tramway Agreement shall be delivered to Lost Creek Timber at least 15 days prior to use.
 - (bb) Prior to use, Licensee agrees to provide Licensor an insurance certificate (listing Licensor as an additional insured) evidencing general and automobile liability insurance, including loggers broad form property damage, in single limit amounts of \$1,000,000.00 each.
- (14) In the use of the Yarding Area on Private Land shown on Exhibit A, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. 300B between the United States of America and Lost Creek Timber.
 - (aa) Prior to using the yarding wedge, the Purchaser shall furnish a performance bond in the amount of Five Hundred and 00/100 dollars (\$500.00) for slash piling and disposal. Lost Creek Timber shall approve slash treatment prior to release of the bond.
 - (bb) If Lost Creek Timber has not removed timber from their land in Section 23, the Purchaser shall cut and deck the right-of-way timber and the timber in the Yarding Area on Private Land shown on Exhibit A in accordance with the specifications of Lost Creek Timber, the owner of the right-of-way timber.
 - (cc) The Purchaser shall either remove landing slash from Lost Creek Timber lands and dispose of it in a legal manner, or construct and cover landing piles in accordance with the specifications of Lost Creek Timber.
- (15) In the renovation and use of Spur 20A and a tributary yarding wedge, the Purchaser shall comply with the conditions of Interagency Right-of-Way and Road Use Agreement between the U.S. Forest Service and BLM. Said agreement is available for inspection at the Bureau of Land Management, Eugene District Office, 3106 Pierce Parkway, Springfield, Oregon. Such conditions include but are not limited to the following actions by the purchaser :
 - (aa) Obtain a license agreement from the US. Forest Service. The license agreement, bond and insurance certificate shall be delivered to the US. Forest Service at least 15 days prior to use of agency roads.
 - (bb) Furnish a performance bond in the amount of Five Hundred and 00/100 dollars (\$500.00).

- (cc) Maintain comprehensive liability insurance covering all operations, including vehicles, in amounts not less than One Million and 00/100 dollars (\$1,000,000.00) bodily injury for injury to any one person, One Million and 00/100 dollars (\$1,000,000.00) for any one occurrence and, One Million and 00/100 dollars (\$1,000,000.00) property damage for any one occurrence.
 - (dd) Maintain Spur 20A in accordance with Section 42(b)(7).
 - (ee) Decommission Spur 20A upon completion of use in accordance with Exhibit G.
 - (ff) Prior to cutting and removing any timber for the renovation of Spur 20A, the Purchaser shall enter into a special timber sale contract with the U.S. Forest Service, the owner of the timber, for the purchase of the timber. The volume of said timber shall be determined by the BLM after the Purchaser provides notification of the intent to begin renovation. The value of said timber shall be computed at the price per MBF as set forth in Exhibit B.
 - (gg) Prior to cutting and removing any timber from the Yarding Area on USFS shown on Exhibit A, the Purchaser shall enter into a special timber sale contract with the U.S. Forest Service, the owner of the timber, for the purchase of the timber. The volume of said timber shall be determined by BLM at the time the corridors are approved. The value of said timber shall be computed at the price per MBF as set forth in Exhibit B.
- (16) The Purchaser also agrees that if he elects to use any private road 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 use.

(c) Environmental Protection

- (1) The Purchaser shall be required to clean logging, road, and decommissioning equipment to remove dirt and plant debris that may contain noxious weed seeds from the undercarriage, tracks and tire treads prior to entry on BLM lands. The Authorized Officer shall require inspection of equipment to see that it was cleaned prior to arrival on site.
- (2) Cable yarding corridors shall be waterbarred and covered with slash immediately after use if necessary to prevent erosion, as determined by the Authorized Officer.
- (3) Upon each season's shutdown and prior to fall rains, the Purchaser shall block skid trails and newly constructed roads that have not been rocked, and shall place them in an erosion-resistant condition by constructing drainage dips, waterbars, and/or lead-off ditches. 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.
- (4) In addition to the requirements set forth in Section 26 of this contract, the Purchaser shall, upon completion of hauling, complete road and skid trail decommissioning measures in accordance with Exhibit G (containing 3 sheets) which is attached hereto and made a part hereof, and Exhibit H. All road and skid trail decommissioning shall be completed during the dry season, typically between July 1 and September 30, as determined 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, 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) Other active raptor nests have been discovered, and a determination is made that continued operations under this contract would adversely affect the present use of the discovered nesting area by the raptor, or;
- (ee) 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;
- (ff) When, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract.
- (gg) Species have been discovered which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, and the Contracting Officer determines that continued operations would affect the species or its habitat, or;
- (hh) When, in order to protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines 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 terminate the cutting and removal rights under the contract in order to comply with the Endangered Species Act, protect species that have been discovered which were identified for protection through survey and manage and/or protection buffer standards and guidelines 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, protect species that have been discovered which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP, or court order requirements necessitating the modification or termination.

In the event 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 paragraph, 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.

(d) Fire Prevention, Slash Disposal, and Watershed Protection

- (1) Fire Prevention and Control. 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 the closed fire season or periods of fire danger, prepare a fire prevention and control plan to the satisfaction of the Authorized Officer.
- (2) Logging Residue Reduction. In addition to the requirements of Section 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 reduction and site preparation measures required by this contract:
 - (aa) Prior to commencement of any operation under Section 42(d)(2)(bb) of this contract, a logging residue reduction and site preparation 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 site preparation shall be done in accordance with the plans developed at the prework conference.
 - (bb) Purchaser shall construct and cover landing piles, pile and cover slash within 25 feet of the road surface, and pile burn according to prescription in accordance with Exhibit F, which is attached hereto and made a part hereof. Exhibit F contains 3 sheets.

(e) Optional Contributions

- (1) The Purchaser shall perform all pile burning in accordance with Exhibit F Special Provisions 12-20. The Purchaser shall have the option of completing this work, or in lieu thereof, making a contribution to the Bureau of Land Management in the amount of One Thousand Four Hundred Five and 80/100 dollars (\$1,405.80).
 - (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 execution of the contract. Upon making such contribution, the Purchaser shall be relieved of obligations set out in this subsection.

(f) Log Export and Substitution

- (1) All timber sold to the Purchaser under the terms 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 (8-3/4) 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 that 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 (8-3/4) inches in thickness or less; (6) shakes and shingles.
- (2) 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.
- (3) 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) that shall be executed by the Purchaser. In addition, the Purchaser is required under the terms of this contract to retain for a

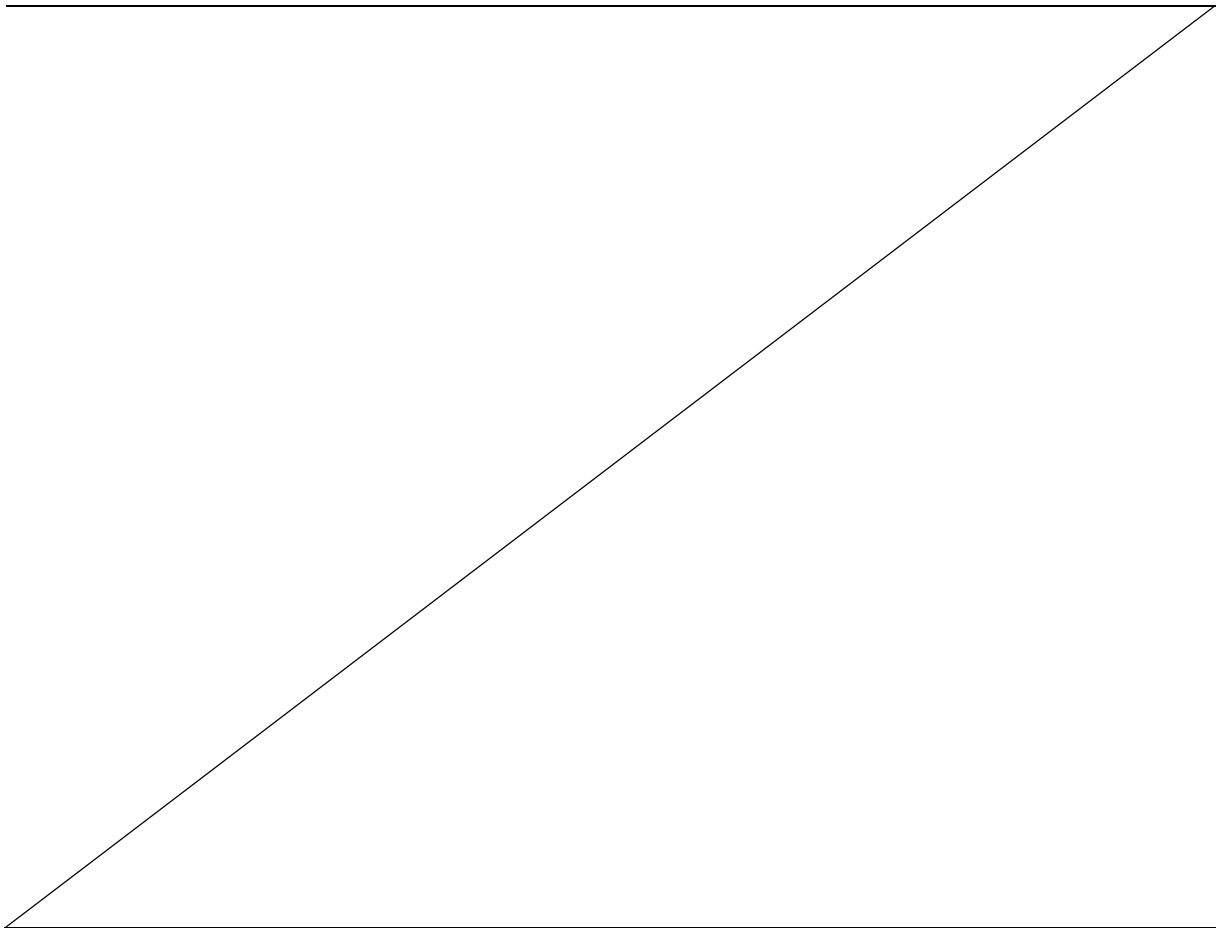
three-year period from the date of termination of the contract the records of all sales or transfer of logs involving timber from the sale for inspection and use of the Bureau of Land Management.

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 shall be branded on loads of 10 logs or less. One end of all branded logs to be processed domestically shall 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 SALE SUMMARY**

District Eugene
Sale Date March 24, 2016
Parcel No. 2

Sale Name Missing Links
ATSP Tract No. E-16-686
County & State Lane
Master Unit Eugene

Planning Unit Upper Willamette
Type of Sale Advertised
Time for Cutting & Removal 36 Mos.
Time for Removal of Personal Property 1 Mos.

O&C	CBWR	P.D.	Township	Range	Section	Subdivision
X			20 S.	1 E.	19	Lot 1, NE1/4, E1/2NW1/4, NE1/4SE1/4
X			20 S.	1 W.	13	E1/2NE1/4, N1/2SE1/4, SE1/4SE1/4
X			20 S.	1 W.	23	NE1/4NE1/4, S1/2NE1/4, N1/2SE1/4, SE1/4SE1/4

Subdivisions or Cutting Areas	Cutting Volumes by Species by MBF							Total Cutting Volume	Cutting Area Acres	
	DF	WH	WRC	IC					Partial	Clear
PH #1	1,542	560	17	5				2,124	121	
PH #2	688	250	8	2				948	54	
PH #3	853	310	9	2				1,174	67	
R/W #1	50	3						53		1
R/W #3	44	6						50		2
TOTAL	3,177	1,129	34	9				4,349	242	3

COSTS

Falling & Bucking	\$	Included With Yarding
Yard, Load, etc.		173.81
Transportation		52.09
Road Construction		42.88
Road Amortization		N/A
Road Maintenance		7.80

Other Allowances*

*Specify	Costs
Flagger	\$ 1.68
Road Decommissioning	0.71
Skid Trail Decommissioning	0.87
Slash Disposal	2.33
Total Other Allowances	\$ 5.59
Total Cost to Utilization Center	\$ 282.17
Utilization Center (Peelers)	NA
Miles to Utilization Center	NA
Utilization Center (Sawlogs)	Eugene / Springfield
Miles to Utilization Center	29
Weighted Miles to Utilization Center	29

Profit & Risk Allowance

Basic Profit & Risk	10	%
Additional Risk		
Low	1%	%
Medium	2%	%
High	3%	%
Total Profit & Risk	13	%

Tract Features

Ave Log (Bd. Ft.): D-fir	44	All	43	DBH: 12.8
Recovery D-fir	94	%	92	%
Salvage D-fir	0	%	0	%
Ave Volume per Acre	18			MBF
Ave Yarding Slope	45			%
Ave Yarding Distance	400			Ft.
Ave Age	56			Years
Volume Highlead				%
Volume Skyline	65			%
Volume Cat	35			%
Volume Aerial				%
Road Construction / Improvements (100' Sta)				
Class	SN-14	No. Sta.	31.5	Const
Class	SN-14/SN-16	No. Sta.	468.05	Renov
Class		No. Sta.		

Cruise

Cruised by	Dotson / Cranmer		
Date	October 2015		
Type of Cruise	V-Plot, 3-P, 100%		
Volume (MBF-Net Merch)			
Green	4,349	Salvage	0
D-fir Sawlog	3,177	Peeler	0
Export Volume	0		
Purchaser			
Address			
Contract No.			

OR-5420-1a
(June 1986)

UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Land Management
STUMPAGE COMPUTATION
MBF

District Eugene
ATSP Tract No. E-16-686
ADP No. _____
Sale Name Missing Links

Species	Realization Value	Mfg. Costs (-)	Pond Value	Logging Costs (-)	Profit & Risk (-)	Marg. * Logs (/)	Stumpage
Douglas-fir	---	---	596.38	282.17	77.53		236.68
Western hemlock	---	---	425.41	282.17	55.30		87.94
Western redcedar	---	---	786.16	282.17	102.20		401.79
Incense-cedar	---	---	880.01	282.17	114.40		483.44
Wt. Average			555.40				200.46

*Marginal Log Volume N/A MBF X \$/MBF Marg. Log Value
Marginal Log Value \$ = \$ Marginal Log Value/MBF
(D-fir Net Volume) MBF

APPRAISED PRICE SUMMARY

TEA RVA X Market Value

(Check one)

Number Trees		Species	Volume	Appraised Price		Bid Price	
Un-Merch	Merch			\$/M	Value	\$/M	Value
---	17,276	Douglas-fir	3,177	237.00	752,949.00		
---	8,446	W. hemlock	1,129	88.00	99,352.00		
---	340	W. redcedar	34	402.00	13,668.00		
---	81	Incense-cedar	9	484.00	4,356.00		
---		TOTALS	4,349		870,325.00		

LOG GRADES (By Percent)

Species	Code #1	#2	#3	2 Saw	3 Saw	4 Saw
				#4	#5	#6
Douglas-fir				36	55	9
Western hemlock				24	64	12
Western redcedar						100
Incense-cedar						100

Appraised By: B. Dotson
Appraisal Reviewed By: T. Ray

Date: 02/04/2016
Date: 02/12/2016