

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Salem District Office
1717 Fabry Road, S.E.
Salem, Oregon 97306

Fall-Cole Timber Sale
ORS05-TS-2014.0302
Date: August 20, 2014

PROSPECTUS

THIS IS A PROSPECTUS ONLY. ATTACHMENTS MAY NOT INCLUDE ALL EXHIBITS REFERRED TO IN THE CONTRACT. THE COMPLETE CONTRACT, INCLUDING ALL EXHIBITS, IS AVAILABLE FOR INSPECTION AT THE SALEM DISTRICT OFFICE.

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, in the timber sale room at the District Office, 1717 Fabry Road, S.E., Salem, Oregon. Written bids and deposits will be accepted beginning at 8:30 a.m. and the timber sale oral auction will commence at 9:00 a.m., on Wednesday, September 17, 2014.

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 Corvallis Gazette-Times on or about August 20, 2014. 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(s) to ensure accurate knowledge of the exact publication date.

AN ENVIRONMENTAL ASSESSMENT was prepared for each timber sale tract, and a Finding of No Significant Impact has been documented. These documents are available for inspection as background for each timber sale tract at the Salem District Office.

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

THE SUCCESSFUL BIDDER, as a condition of award, will be required to sign Form 5430-011, Independent Price Determination, which is a certification that the bid was arrived at by the bidder or offeror independently, and was tendered without collusion with any other bidder or offeror. Also, Form 5450-17, Export Determination must be completed by the successful bidder. To expedite procedure, this form should be completed and submitted with the written bid.

THE VOLUMES LISTED herein are estimates only. The sale volumes listed are 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 advertised appraised price. The Purchaser shall be liable for the total purchase price, without regard to the amount bid per unit, even though the quantity of timber actually cut or removed or designated for taking is more or less than the estimated volume or quantity so listed.

THIS TIMBER SALE has been cruised based upon Eastside Scribner board foot measure. The minimum bid figures shown by species are dollars per thousand board feet (MBF). The minimum bid increment will be \$0.10 per MBF.

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. A minimum performance bond of not less than \$500 will be required for all installment contracts less than \$2,500.

QUALIFIED SMALL BUSINESS concerns may apply to SBA for a loan to provide financing for access road construction required under the terms of qualifying timber sale contracts, and necessary contract changes will be made. Approval of loan applications rests with SBA and may be contingent on availability of funds. Applicants for such loans shall notify BLM of their intention to apply for a loan.

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, responsible or refuses to respond within fifteen (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.

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 5420, 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.

CONTRACT TERMINATION: 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;
2. Comply with a court order, or;
3. Protect occupied marbled murrelet sites in accordance with the Standards and Guidelines of the Salem District Record of Decision (ROD) and Resource Management Plan (RMP), or;
4. Protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines established in the ROD and RMP.

This contract provision limits the liability of the Government to the actual costs incurred by the Purchaser which have not been amortized by timber removed from the contract area.

ADDITIONAL INFORMATION concerning this timber sale tract is available at the above District Office. A copy of the timber sale contract is also available for inspection at the District Office. The prospectus for this/these sale(s) is also available online at: <http://www.blm.gov/or/districts/salem/timbersales/index.php>. The prospectus includes maps and tables that cannot be made Section 508 compliant. For help with its data or information, please contact the Salem District Office at 503-375-5646.

Attachments:

Form 5450-17

Form 5440-9

TIMBER SALE NOTICE

THIS IS A SCALE SALE

SALEM DISTRICT
MARYS PEAK RESOURCE AREA
ALSEA-RICKREALL MASTER UNIT

SALE DATE: September 17, 2014

CONTRACT NO. ORS05-TS-2014.0302, FALL-COLE TIMBER SALE, Scale Sale

BENTON COUNTY, OREGON: O&C: ORAL AUCTION: BID DEPOSIT REQUIRED: \$3,800.00

All timber designated for cutting on SW1/4, NW1/4SE1/4, S1/2SE1/4, Section 26; NE1/4SW1/4, S1/2SW1/4, SE1/4, Section 27; NW1/4, E1/2SW1/4, W1/2SE1/4, Section 34; T. 14 S., R. 7 W., W.M.

THIS TIMBER SALE HAS BEEN CRUISED BASED UPON EASTSIDE SCRIBNER MEASURE.

Minimum bid figures shown by species are dollars per thousand board feet (MBF). The minimum bid increment will be \$0.10 per MBF.

Approx. No. Merchantable Trees	Est. Vol. MBF 32' Log	Species	Est. Vol. MBF 16' Log	Appraised Price Per MBF	Estimated Volume Times Appraised Price
10,696	560	Douglas-fir	682	\$53.30	\$36,350.60
742	25	red alder	28	\$36.20	\$1,013.60
25	4	western hemlock	5	\$39.70	\$198.50
93	2	bigleaf maple	2	\$33.00	\$66.00
11,556	591	Totals	717		\$37,628.70

LOG EXPORT AND SUBSTITUTION RESTRICTIONS: All timber offered for sale hereunder is restricted from export from the United States in the form of unprocessed timber and also prohibited from substitution of exported private timber.

CRUISE INFORMATION: The timber volumes were based on a 1/5TH acre fixed plot cruise in Units 1 through 3, and a 100% cruise in the special mark areas, using form class tables for estimating board foot volume of trees in 16-foot logs. Approximately 0% of the total sale volume is salvage material. With respect to merchantable trees of all species; the average tree is 10.2 inches DBHOB; the average log contains 29 bd. ft.; the total gross volume is approximately 751 MBF; and 95% recovery is expected. This cruise information is given for informational purposes only and the contract price and volume will be determined by a scale using eastside scribner.

CUTTING AREA: Three units totaling approximately 61 acres shall be partial cut and approximately 2 acres of special mark shall be cut. Acres shown on Exhibit A have been computed using a Trimble GeoXT Global Positioning System receiver. Acreage was calculated based on Global Positioning System traverse procedures including differential correction.

DURATION OF CONTRACT: Will be 36 months for cutting and removal of timber.

LOCATION: The Fall Cole Timber sale is located approximately 22 air miles from Philomath, Oregon. From Philomath, travel approximately 18 miles on Highway 34. Turn left onto Deadwood Hwy and travel approximately 1 mile. Turn Left onto South Fork Road and continue travel for approximately 8.6 miles. Turn right on Fall Creek Access Road and arrive in contract area. See general vicinity map and Exhibit E for details.

***NOTE:** Access to the sale is through locked gates. Prospective bidders may obtain a key from Andy Frazier (503) 315-5979 at the Salem District Office.

ACCESS AND ROAD MAINTENANCE: Access is provided on Bureau of Land Management controlled roads. In the use of Bureau of Land Management controlled roads – Bureau of Land Management Maintenance, the Purchaser shall pay the Government a road maintenance obligation of three thousand three and 51/100 dollars (\$3,003.51) for timber haul.

In the use of Bureau of Land Management controlled roads – Purchaser Maintenance the Purchaser will be required to perform maintenance on approximately 5.16 miles of road.

Purchaser maintenance shall include frequent blading and shaping of road surface; ditch, culvert, and catch basin cleaning; removal of minor slides and other debris. Roads shall be left in a condition to withstand adverse weather at the end of the seasonal operations.

ROAD RENOVATION: The purchaser will be required to do all work set forth below. The purchaser shall supply all materials unless otherwise indicated.

1. Renovation:

Road 14-7-34.3, MP 0.00 – 0.10, 528 feet, 14-foot subgrade

Surface blading; ditch restoration; aggregate placement; Surfacing – Aggregate base course, depth 4 inches, useable width 12 feet

Road 14-7-25.0, MP 0.00 – 3.59, 18,955 feet, 16-foot subgrade

Culvert replacement; improvement of existing drainage structures; ditch restoration;

Road 14-7-27, MP 0.00 – 1.25, 6,600 feet, 14-foot subgrade

Surface blading and compacting; culvert replacement; improvement of existing drainage structures; ditch restoration; Surfacing – Aggregate base course, depth 4 inches, useable width 12 feet

Road 14-7-35.0, MP 0.00 – 0.22, 1,162 feet, 14-foot subgrade

Surface blading and compacting; culvert replacement; improvement of existing drainage structures; ditch restoration; Surfacing – Aggregate base course, depth 4 inches, useable width 12 feet

2. Estimated Quantities:

Culvert and Flume:

634 feet of 24 inch culvert

386 feet of 30 inch culvert

112 feet of 36 inch culvert

19 culvert markers – 6' heavy weight steel t-posts, green w/ white tops

Aggregate Material:

Quantity:

2,438 cubic yards

150 cubic yards

200 cubic yards

Description:

3" minus crushed rock Ex. C

1 1/2" minus crushed rock Ex. C

3" minus crushed rock Ex. D

Rock Source: Commercial source, or source that meets specs and is approved by the Authorized Officer

DESIGNATION AND SALE OF ADDITIONAL TIMBER (Sec. 42.i.)

This contract contains provisions for the sale and removal of additional timber necessary to facilitate safe and efficient purchaser operations. These provisions include:

- The designation and sale of additional timber, such as corridor and guyline trees, at contract price, as necessary to facilitate safe and efficient logging. Such trees may be felled and removed when they are painted by the Authorized Officer;
- Sale of additional timber volume at current fair market value where the species and/or size of trees are not representative of the forest stand(s) being thinned;
- Government reservation of trees previously marked for cutting (replacement) when the Authorized Officer determines that it is necessary in order to maintain stand densities consistent with objectives set forth in management prescriptions;
- The use of unilateral modifications executed by BLM for such additional timber and replacement timber;
- Revocation of the purchaser's right to cut additional timber if the Authorized Officer determines that trees have been cut and removed that were not previously marked and approved for cutting and removal by the Authorized Officer; and,
- It is estimated that approximately 68 MBF of such additional timber may be removed under the contract, but is not included in the advertised sale volume nor was it included in the timber sale appraisal

SEASONAL RESTRICTION MATRIX

[illegible]

TIMBER SALE CONTRACT SPECIAL PROVISIONS

Sec. 41. RESERVED

- a. All timber on the Reserve Areas shown on Exhibit A and all painted orange or posted trees which are on or mark the boundaries of the Reserve Areas.
- b. All preexisting down logs in the Partial Cut Areas shown on Exhibit A.
- c. All snags in the Partial Cut Areas shown on Exhibit A, except as otherwise provided in this contract.
- d. All trees in the Partial Cut Areas shown on Exhibit A other than Douglas-fir.
- e. All trees less than five (5) inches DBHOB not designated for cutting.
- f. Trees required to meet the residual tree requirements set forth in Exhibit I attached hereto and made a part hereof.

Sec. 42. Special Provisions

LOGGING

a. Periodic Payment and First Installment Adjustment

1. Notwithstanding the provisions of Sec. 3(b), the amount of the first installment may be reduced by the Government when the Contracting Officer requests the Purchaser to interrupt or delay operations for a period expected to last more than thirty (30) days during the operating season. Such interruption or delay must be beyond the Purchaser's control. Operating Season shall be defined, for this purpose, as the time of year in which operations of the type required are normally conducted and not specifically restricted under the contract. The first installment may be reduced to five (5) percent of the installment amount listed in Sec. 3(b), during the delay period. The Purchaser must request such a reduction in writing. When the Contracting Officer notifies the Purchaser that operations may proceed, the Purchaser shall have fifteen (15) days after such notification to return the first installment to the full value specified in Sec. 3(b). Failure to return the first installment to the full value within the allotted time will be considered a material breach of contract. No timber shall be cut or removed from the Contract Area until the first installment is restored to the full amount.

2. Notwithstanding the provisions of Sec. 3(b), adjustments in the due dates for periodic payments may be made by the Government if the Contracting Officer interrupts or delays contract operations for a period expected to last at least thirty (30) days, and the interruption or delay is beyond the Purchaser's control. Any adjustment made shall provide the Purchaser with an equal amount of operating time as would have been available without the delay. The Purchaser shall request such adjustment in writing before the due date for a periodic payment contained in Sec. 3(b).

b. 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 prework 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. The Purchaser shall provide a minimum of seven (7) days' notice when requesting the scheduling of a prework conference.

c. Before beginning operations on the Contract Area for the first time or after a shutdown of seven (7) 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 seven (7) 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 seven (7) or more days.

d. All trees designated for cutting shall be cut so that the resulting stumps shall not be higher than twelve (12) inches measured from the ground on the uphill side of the trees.

e. All snags located in the Partial Cut Areas shown on Exhibit A that must be felled to comply with Sec. 28, Safety and Health of this contract shall be felled by the Purchaser.

f. No trees may be felled in or into the Reserve Areas on Exhibit A, or adjacent private land, unless expressly authorized by other provisions of this contract. Tops, limbs, and other logging debris entering the Reserve Areas from felling operations shall be pulled back into the Partial Cut areas shown on Exhibit A.

g. In the Partial Cut Area - Skyline Yarding shown on Exhibit A, yarding shall be done with a standing skyline-type cable system. The skyline-type system shall be equipped with a clamping, energized or mechanical slackpulling carriage capable of yarding fifteen hundred (1,500) feet slope distance from the landing and having at least seventy-five (75) feet lateral yarding capabilities. The carriage shall be capable of being held in position on the skyline during all lateral yarding and shall be able to pass intermediate support jacks as required. Skyline yarding roads shall be spaced an average of one hundred fifty (150) feet apart at the point where the skyline intersect the Partial Cut Area boundaries. Skyline yarding roads shall be located perpendicular to the yarding slope unless otherwise approved by the Authorized Officer. The Purchaser shall directionally fall trees into the lead with the yarding direction. The leading end of all logs shall be transported free of the ground during yarding. The rigging of tail or lift trees, intermediate supports, and use of tailholds outside the Partial Cut Areas shall be required where necessary to meet this requirement.

h. In the Partial Cut Area – Ground-Based Yarding shown on Exhibit A, all yarding shall be done by equipment operated on designated skid roads. Skid roads shall generally be restricted to slopes less than 35% and be located perpendicular to the slope to minimize road cutting. Skid roads shall be spaced no closer than one hundred fifty (150) feet apart unless otherwise agreed to by the Authorized Officer. All trees that must be removed to facilitate construction of these skid roads shall be felled prior to falling operations in the remainder of this area. The Purchaser shall directionally fall trees into the lead with the skidding direction and winch or carry to these skid roads. No yarding equipment shall be permitted to operate off these skid roads.

i. Before cutting and removing any trees necessary to facilitate logging in the Partial Cut Areas shown on Exhibit A, the Purchaser shall identify the location of the skid roads, cable yarding roads, and tailhold, tieback, guyline, 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:

1. All skid roads and cable 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 road and/or cable yarding road shall be limited to twelve (12) feet.

2. The Purchaser may immediately cut and remove additional timber to clear skid roads and cable yarding roads and provide tailhold, tieback, guyline, lift and intermediate support trees, and clear danger trees when the trees have been marked with blue or green colored 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 Sec. 3.(b). of the contract or sufficient bonding has been provided in accordance with Sec. 3.(d). of the contract.

3. 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 Sec. 9 of the contract; or, the Authorized Officer determines that all trees other than Douglas-fir otherwise reserved in Section 41 of the contract or any Douglas-fir tree that exceeds twenty-four (24) 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.

4. 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.

5. 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 Sec. 8 or Sec. 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.

j. No yarding or loading is permitted in or through the Reserve Area shown on Exhibit A, except as otherwise provided in this contract.

k. No ground-based yarding shall be conducted on the Partial Cut Areas - Ground-Based Yarding shown on Exhibit A between November 1 of one calendar year and September 15 of the following calendar year, both days inclusive, or during any period of wet soil conditions as determined by the Authorized Officer.

l. No skyline yarding shall be conducted on the Partial Cut Areas - Skyline Yarding shown on Exhibit A between May 1 and October 31 of each calendar year, both days inclusive.

m. Excessive damage to reserve timber, as determined by the Authorized Officer, will result in suspension of yarding operations until corrective measures to prevent further damage have been approved by the Authorized Officer.

n. No yarding or falling operations shall be conducted on the Partial Cut Areas shown on Exhibit A between March 1 and July 7 of each calendar year, both days inclusive. This seasonal restriction may be waived in writing by the Authorized Officer for any calendar year if the end of May surveys indicates that spotted owls are not nesting or nesting activity has been completed.

o. No falling operations shall be conducted on the Partial Cut Areas shown on Exhibit A between April 1 and August 6 of each calendar year, both days inclusive.

p. Daily operation of power driven equipment shall be limited to the period of 2 hours after sunrise until 2 hours before sunset between April 1 and September 15 of each calendar year, both days inclusive.

q. Roads 14-7-25 and 14-7-35 will be passable for pedestrians and bicyclists from Friday at 5:00 PM, PST to Sunday at 8:00 PM, PST.

r. 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.

s. Within thirty (30) feet of the edge of each landing and in areas of heavy slash accumulations along all roads adjacent to the Partial Cut Areas shown on Exhibit A, all logs, tops, and debris shall be decked or windrowed as directed by the Authorized Officer, except logs sold and removed from the Contract Area. No landing debris shall be dozed off the landings and covered with dirt. Piles shall not be closer than ten (10) feet from reserve trees and snags or twenty-five (25) feet from unit boundaries. Upon completion of piling the Purchaser shall prepare the piles for burning by securely covering each pile with polyethylene plastic film a minimum of 0.004 inch thick and at least ten (10) feet wide by ten (10) feet long. Covering shall be anchored to the satisfaction of the Authorized Officer. The Purchaser shall be required to furnish the covering materials.

ROAD RENOVATION, MAINTENANCE AND USE

t. The Purchaser shall renovate approximately 35,535 feet of road in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof.

u. No road renovation shall be conducted on the Contract Area shown on Exhibit A between November 1 of one calendar year and April 30 of the following calendar year, both days inclusive, or during other periods of wet soil conditions as determined by the Authorized Officer. No road renovation shall be conducted on holidays or weekends.

v. Any required renovation shall be completed and accepted prior to the removal of any timber over that road.

w. The Purchaser is authorized to use the roads listed below and shown on Exhibit E which is under the jurisdiction of the Bureau of Land Management for the removal of Government timber sold under the terms of this contract and the hauling of rock as required in Exhibit C, provided that the Purchaser pay the required maintenance obligations described in Section 42.x. The Purchaser shall pay current Bureau of Land Management maintenance fees for the sale of additional timber under modification to the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
14-6-34.1 Seg. C1	5.90	Bureau of Land Management	Asphalt

x. Provided, that the Purchaser shall pay the Government a road maintenance obligation of three thousand three and 51/100 dollars (\$3,003.51) for the transportation of timber included in the contract price and the hauling of rock as required in Exhibit C over said roads. Unless the total maintenance amount is paid prior to commencement of operations on the Contract Area, payments shall be made in installments payable in the same manner as and together with payments required by Sec. 3 of this contract.

y. The Purchaser is authorized to use the roads listed below and shown on Exhibit E 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 the hauling of rock as required in Exhibit C provided that the Purchaser comply with the conditions set forth in Section 42.z.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
14-7-25.0 Seg. Part	3.59	Bureau of Land Management	Asphalt
14-7-27.0 Seg. A Part	1.25	Bureau of Land Management	Aggregate Base Course
14-7-27.5	0.07	Bureau of Land Management	Aggregate Base Course
14-7-35.0 D Part	0.22	Bureau of Land Management	Aggregate Base Course
14-7-34.3 Seg. Part	0.10	Bureau of Land Management	Aggregate Base Course

z. The Purchaser shall perform any 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 thereof.

aa. The Purchaser also agrees that if they elect to use any other 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, Purchaser shall request and agree to the modification of this contract to provide for such use and for allowances for amortization of the Government's share of the capital investment of any such road.

ENVIRONMENTAL PROTECTION

bb. If in connection with operations under this contract the Purchaser, his contractors, subcontractors, or the employees of any of them, discover, encounter, or become aware of any objects or sites of cultural value on the Contract Area such as historical or prehistorical ruins, graves or grave markers, fossils, or artifacts, the Purchaser shall immediately suspend all operations in the vicinity of the cultural value and notify the Authorized Officer of the findings. Operations may resume at the discovery site upon receipt of written instructions and authorization by the Authorized Officer.

cc. In addition to the requirements set forth in Section 26 of this contract, the Purchaser shall complete grass seeding on exposed soil on all skyline roads, ground-based skid roads, and landings as directed by the Authorized Officer. Grass seed and suitable equipment to apply seed shall be furnished by the Purchaser.

Seed to be supplied shall meet the following requirements:

<u>SPECIES</u>	<u>RATE</u>
Red Fescue (Festuca rubra)	100%
Oregon Certified Seed (Blue Tag)	
Purity	95% minimum
Germination	85% minimum
Noxious Weed Content	None (Tested: None Found)

The Purchaser shall apply grass seed uniformly on the designated areas at a rate equal to forty (40) pounds per acre. Evidence of seed certification shall be furnished to the Authorized Officer prior to application. Grass seed which has become wet, moldy or otherwise damaged shall not be accepted.

dd. In addition to the requirements set forth in Sec.26 of this contract, in order to reduce or prevent the spread of noxious weeds to BLM lands, all road construction, piling, and ground-based logging equipment including loaders shall be cleaned of all plant parts and soil prior to entry onto BLM lands. Equipment shall be inspected by the Authorized Officer at a site approved by the Authorized Officer to verify that the equipment had been reasonably cleaned prior to entry onto BLM lands.

ee. Immediately following completion of ground-based yarding activities for any operating season, the Purchaser shall construct water bars on ground-based skid roads and block them to vehicular traffic as directed by the Authorized Officer. The location of water bars shall be approved by the Authorized Officer prior to construction.

ff. The Purchaser shall immediately discontinue specified construction or timber harvesting operations upon written notice from the Contracting Officer that:

- (1) 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;
- (2) when, in order to comply with the Endangered Species Act or to protect occupied marbled murrelet sites in accordance with the Standards and Guidelines of the Salem District Record of Decision (ROD) and Resource Management Plan (RMP), the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (3) 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;
- (4) 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;
- (5) 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;
- (6) when, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
- (7) 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;
- (8) 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.h. 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 occupied marbled murrelet sites in accordance with the ROD and RMP, 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, marbled murrelet occupied site protection in accordance with the ROD and RMP, 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 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.

LOGGING RESIDUE REDUCTION

gg. Immediately upon completion of harvest on any individual units, logging slash located in the Fuel Reduction Areas will be treated as directed by the Authorized Officer in accordance with the specifications identified on Exhibit F and Exhibit G attached hereto and made a part hereof.

FIRE PROTECTION

hh. Primarily for purposes of fire prevention and control, the Purchaser shall comply with the following provisions when operating at Oregon Department of Forestry Industrial Fire Precaution Level (IFPL) I (Closed Fire Season). At IFPL II and III, additional fire prevention and control provisions may be added as determined by the Authorized Officer and specified in written instructions to the Purchaser to mitigate dry fuel and weather conditions.

(1) 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) Provide and maintain in good working order, and immediately available on the contract area, the following equipment for use during closed fire season or periods of fire danger:

(a) Fire fighting tools shall be kept at each landing or at such other place at the Authorized Officer shall designate whenever people are working on the contract area. All fire fighting tools shall be kept in a sturdily constructed box which shall be painted red and lettered on the front or top in large letters "For Fire Only." The box shall have a hinged lid and a hasp by which the lid can be sealed. One (1) box may serve two landings, not over six hundred (600) feet apart. When filled, the box shall not weigh over two hundred (200) pounds. The fire tools shall be in good condition, be

tight on strong handles, and have sharp cutting edges. There shall be not less than four (4) tools in each box or less than one (1) tool for each man working on the contract area. Three-fourths (3/4) of all fire tools shall be shovels, hazel hoes, or other scraping tools. The fire tools shall be used only for fighting fire.

(b) At each landing or such other place as the Authorized Officer shall designate during periods of operation, one (1) fire engine or tank truck of one thousand (1000) gallons or more capacity, or multiple engines equal to 1000 gallons capacity, with five hundred (500) feet of 1 ½ inch hose, one thousand (1000) feet of 1 inch hose, one (1) 1 ½ inch gated wye, one (1) 1 inch gated wye, two (2) 1 ½ to 1 inch reducers, and three (3) 1 inch nozzles. The fire engine, tank truck or smaller engines shall be equipped with a pump capable of delivering a minimum of forty (40) pounds per square inch (psi) engine pressure through fifty (50) feet of 1 ½ inch hose. The pump may be either a power take off (PTO), or a truck-mounted auxiliary engine. All equipment shall be acceptable to the Authorized Officer and shall conform to the standards set forth in Oregon Revised Statutes 477.645 through 477.670 and any rule promulgated pursuant to these statutes. All hose couplings shall have the standard thread adopted by the BLM (1 ½ inch National Hose Thread (NH), 1 inch National Pipe Straight Hose Thread (NPSH) or be provided with suitable adapters. At the close of each working day, all bulldozers, tank trucks, and/or engines shall be filled with fuel and made ready for immediate use. All tank trucks, and /or engines and portable tanks shall be filled with water and made available for immediate use.

(c) Two (2) backpack pumps at each landing and one (1) at each tail block, or any other block, all to be kept full of water and in good operating condition.

(d) A chemical fire extinguisher of at least eight (8) ounces minimum capacity of a type approved by the Oregon State Forester and a size 0 or larger shovel shall be carried during the closed fire season or periods of fire danger by each falling crew and each buckner using a power saw on the contract area. Such fire extinguisher shall be filled and in effective operating condition and shall at all times be immediately available to the operator when the saw is being fueled or the motor of the saw is running. Any fueling of a power saw shall be done in an area which has first been cleared of all flammable material. Power saws shall be moved at least twenty (20) feet from the place of fueling before the engine is started. Each power saw shall be equipped with an exhaust system and a spark arresting device which are of types approved by the Oregon State Forester.

(e) Where blocks and cables are used on the contract area during periods of fire danger, the Purchaser shall remove all flammable material at least ten (10) feet from the place where the tail or any other block shall hang when the cable is tight. Such clearings shall be inspected periodically by the Purchaser and shall be kept free of flammable material.

(f) During Oregon Department of Forestry Closed Fire Season, no smoking shall be permitted outside of closed vehicles.

LOG EXPORT RESTRICTION

ii. All timber sold to the Purchaser under the terms of the contract, except exempted species, is restricted from export under 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 or specifications or suitable for end-product uses; or (4) western red cedar lumber which does not meet lumber of American 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 timbers 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.

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:

1. Date of last export sale.
2. Volume of timber contained in last export sale.
3. Volume of timber exported in the past twelve (12) months from the date of last export sale.
4. Volume of Federal timber purchased in the past twelve (12) months from the date of last export sale.
5. Volume of timber exported in succeeding twelve (12) months from date of last export sale.
6. Volume of Federal timber purchased in succeeding twelve (12) months from date of last export sale.

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 "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 purchaser or otherwise acquiring Federal timber sold under this contract, the Purchaser shall, upon request, obtain from the affiliate information in the 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 locations when notified by the Authorized Officer.

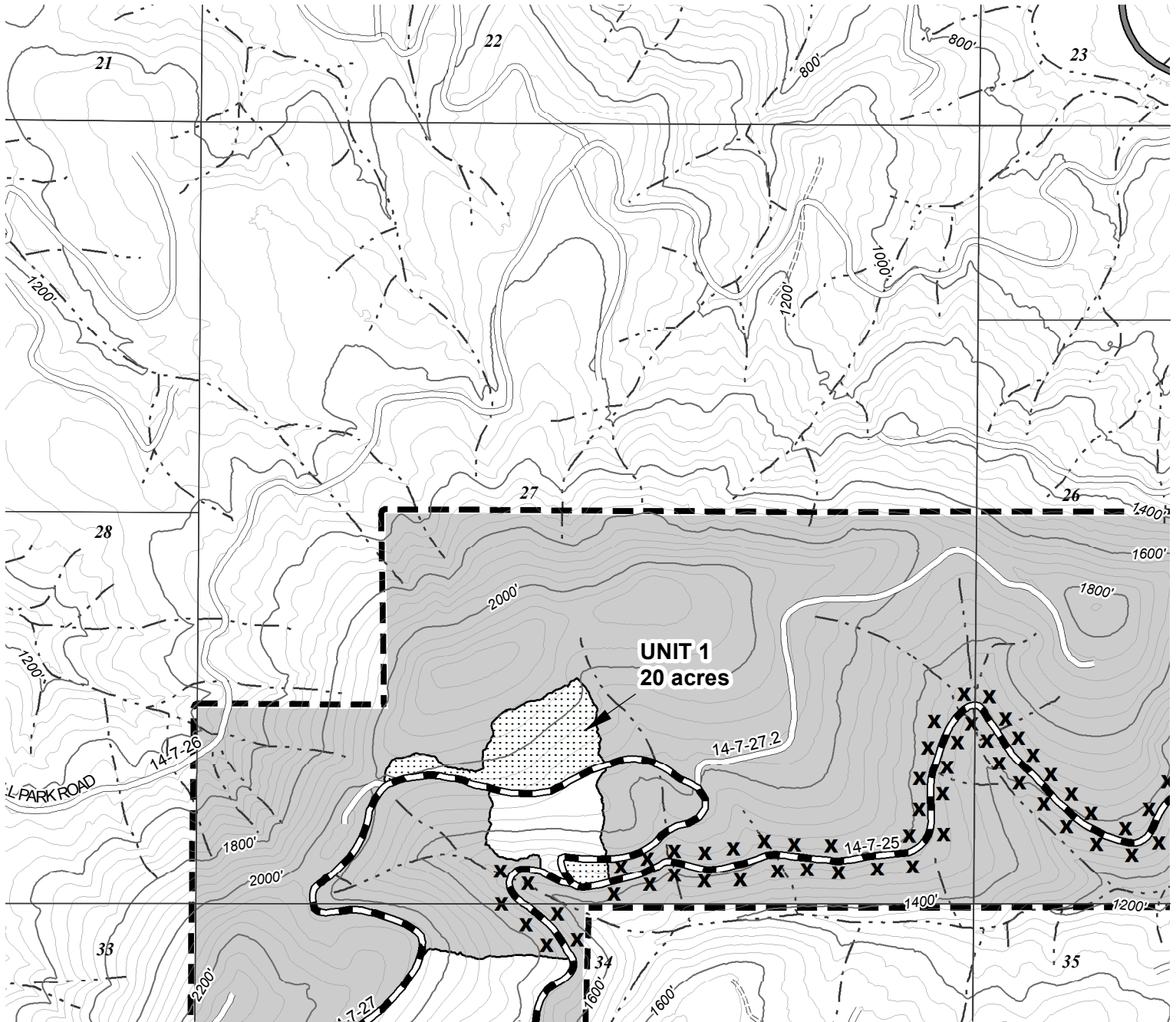
If multiple trailers (mule trains) are used, each bunked load shall be considered an individual load, and these guidelines will apply to each bunked load. If a flatbed stake trailer is used, each bundle will be treated as a separate load.

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.

TIMBER SALE CONTRACT MAP - CONTRACT NO. ORS05 -TS-2014.0302

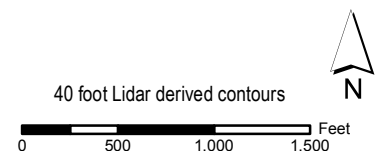
T. 14 S., R. 7 W., Section 27, W. M. - SALEM DISTRICT - OREGON



- | | |
|----------------------|---|
| Road to be Renovated | Partial Cut Area - Ground-Based Yarding |
| Major Access Road | Partial Cut Area - Skyline Yarding |
| Existing Road | Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark) |
| Impassable Road | Boundary - Cutting Area |
| Gate | Boundary - Contract Area |
| Stream | Reserve Area |

Special Mark (within Reserve)	2 acres
Partial Cut Area	61 acres
Reserve Area	859 acres
Total Contract Area	920 acres

NOTES: Boundary of Partial Cut Areas are painted orange and posted. Unit acres do not include existing roads. Acres shown on Exhibit A have been computed using a Trimble Geo XT Global Positioning System receiver. Acreage was calculated based on Global Positioning System traverse procedures including differential correction.



UNITED STATES DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Salem District - Oregon

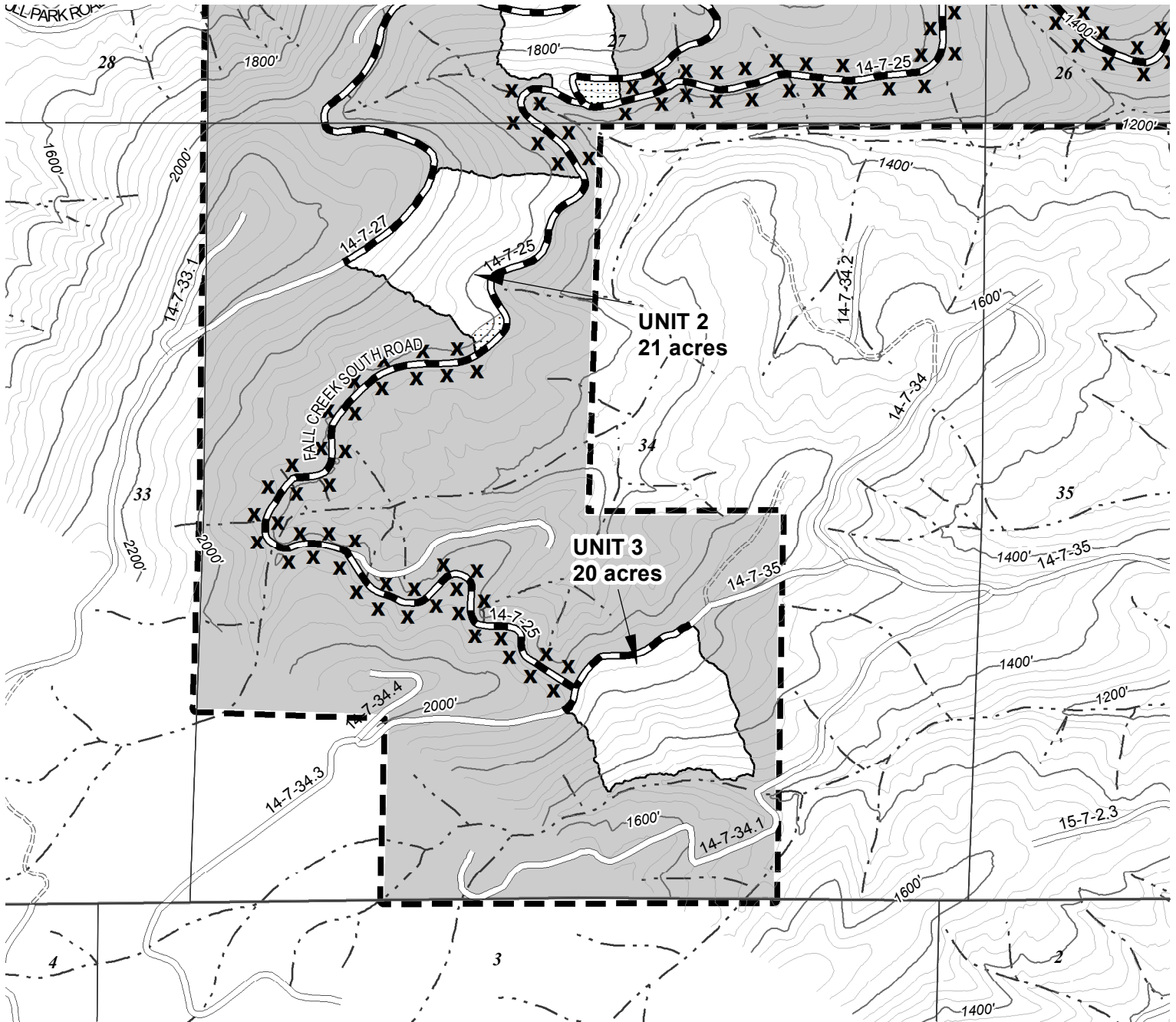
Fall-Cole
Timber Sale

EXHIBIT A

Sheet 2 of 3

TIMBER SALE CONTRACT MAP - CONTRACT NO. ORS05 -TS-2014.0302

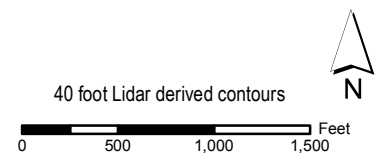
T. 14 S., R. 7 W., Section 34, W. M. - SALEM DISTRICT - OREGON



- Road to be Renovated
- Existing Road
- Impassable Road
- Gate
- Stream
- Partial Cut Area - Ground-Based Yarding
- Partial Cut Area - Skyline Yarding
- Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark)
- Boundary - Cutting Area
- Boundary - Contract Area
- Reserve Area

Special Mark (within Reserve)	2 acres
Partial Cut Area	61 acres
Reserve Area	859 acres
Total Contract Area	920 acres

NOTES: Boundary of Partial Cut Areas are painted orange and posted. Unit acres do not include existing roads. Acres shown on Exhibit A have been computed using a Trimble Geo XT Global Positioning System receiver. Acreage was calculated based on Global Positioning System traverse procedures including differential correction.



UNITED STATES DEPARTMENT OF THE INTERIOR
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Salem District - Oregon

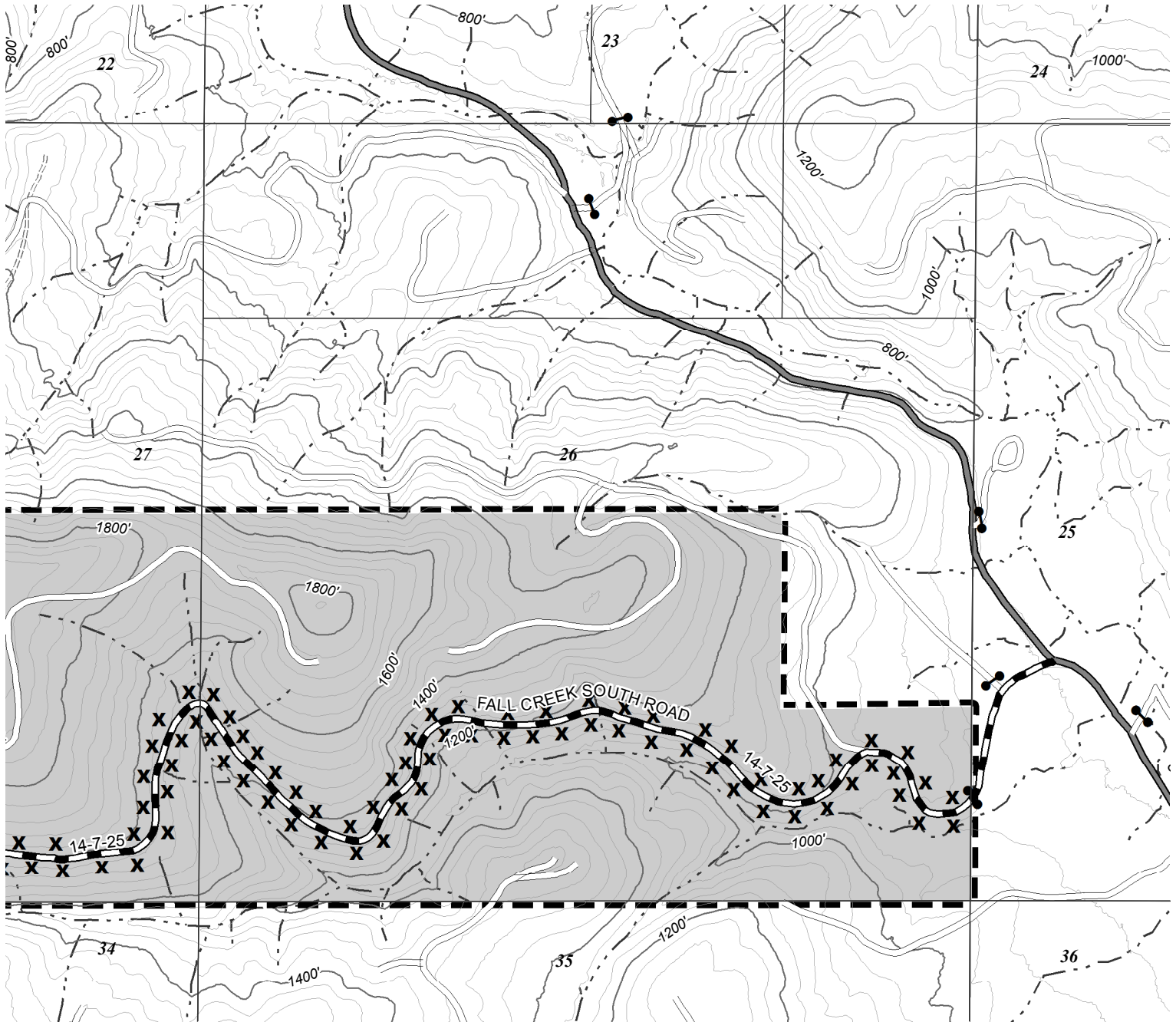
Fall-Cole
Timber Sale

EXHIBIT A

Sheet 3 of 3

TIMBER SALE CONTRACT MAP - CONTRACT NO. ORS05 -TS-2014.0302

T. 14 S., R. 7 W., Section 26, W. M. - SALEM DISTRICT - OREGON

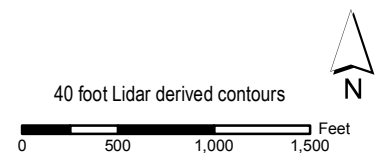


- Road to be Renovated
- Major Access Road
- Existing Road
- Impassable Road
- Gate
- Stream

- Partial Cut Area - Ground-Based Yarding
- Partial Cut Area - Skyline Yarding
- Approximate location in which trees are marked for cutting in the Reserve Area with blue paint (Special Mark)
- Boundary - Cutting Area
- Boundary - Contract Area
- Reserve Area

Special Mark (within Reserve)	2 acres
Partial Cut Area	61 acres
Reserve Area	859 acres
Total Contract Area	920 acres

NOTES: Boundary of Partial Cut Areas are painted orange and posted. Unit acres do not include existing roads. Acres shown on Exhibit A have been computed using a Trimble Geo XT Global Positioning System receiver. Acreage was calculated based on Global Positioning System traverse procedures including differential correction.



**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT (BLM)**

**EXHIBIT B
SCALE SALE PURCHASE PRICE SCHEDULE AND MEASUREMENT SPECIFICATIONS**

I. Total Actual Purchase Price - In accordance with Section 3.(d). of the contract, the Purchaser agrees to pay the Government for the timber sold under the contract in accordance with the following schedule and measurement requirements. Timber sold is comprised of Merchantable Timber, Merchantable Timber Remaining, and Other Timber as defined below. In the event an Extension of Time is approved, the prices per measurement unit are subject to readjustment (refer to Section 9 of the contract).

Schedule of Species, Measurement Units, and Prices		
Species	Measurement Unit	Price Per Measurement Unit
Douglas-fir	MBF	\$

II. Merchantable Timber - All timber which can be cut into logs, which equal or exceed the following specifications, shall be considered merchantable timber. Purchaser shall pay for same in accordance with Sec. 3 of the contract at the unit prices shown in Section I of this Exhibit.

Schedule of Minimum Material Specifications			
Species and Products	Length	Diameter (inside bark at small end)	Net Scale
Douglas-fir	8 feet	5 inches	33 1/3% of gross volume of any log segment

If Purchaser elects to remove any logs which do not meet the above minimum log specifications and which have not been reserved to Government in Sec. 42 of the contract, such logs shall be scaled for their merchantable content as provided herein and be paid for in accordance with Sec. 2 and 3 of this contract and the value in Section 1 of this Exhibit.

III. Merchantable Timber Remaining - Measurement Requirements - The remaining volume of any merchantable sold timber on the contract area shall be determined as provided in Section 3.(e). of the contract. Purchaser shall pay for same in accordance with Sec. 3 of the contract at the unit prices shown in Section I of this Exhibit.

IV. Scaling

A. Log Rule and Measurement - All logs shall be scaled according to the Northwest Log Rules Eastside Log Scaling Handbook, as amended, or supplemented by BLM before the first advertisement date of the sale. A Scaling Authorization Form (OR 5300-18) must be completed prior to beginning of operations. Log scaling procedures including sample design shall be determined by the Contracting Officer in accordance with standard BLM sampling methods.

B. Scaling Service - Log scaling services shall be provided and performed by BLM personnel or parties under contract to BLM.

1. All logs shall be scaled and volumes determined by BLM or a certified contract scaler.
2. The BLM scaler or contract scaler is designated to collect Eastside MBF scale data from all loads.

C. **Other Timber** – Red alder, bigleaf maple and western hemlock will be sold at the volumes and values listed in the table below.

Species	Estimated Volume	Price Per Unit	Estimated Volume X Unit Price
Red Alder	28 MBF	\$36.20	\$1,013.60
Bigleaf Maple	2 MBF	\$33.00	\$66.00
Western Hemlock	5 MBF	\$39.70	\$198.50

D. **Defect Caused by Abnormal Delay** - Scaling deductions made for rot, check or other defect resulting from abnormal delay in scaling caused by Purchaser shall be recorded separately and charged to the Purchaser in accordance with Section 3. of the contract.

E. **Log Presentation** - Purchaser shall present logs so that they may be scaled in an economical and safe manner in accordance with the Memorandum(s) of Agreement for Yard Scaling required in Section IV.G.5. of this Exhibit.

F. **Check Scale** - The Government shall conduct check scales as set forth in the following section.

Normally a check scale shall include at least 200 short logs (20 feet or less) or at least 100 multiple-segment logs. Sample the species and defect situation as fairly as possible. Individually analyze more complex scaling situations and increase the number of logs check scaled if necessary.

The following standards shall be used to determine the proficiency of individual scalers.

Gross Scale. A variance of one and one half (1½) percent in gross scale is the standard unless otherwise justified.

Net scale. The allowable variance is as follows:

Check scaler's percent defect in logs	Scalers allowable variance
0-10 percent	2 percent
over 10 percent	.2 x percent defect to a maximum of 5 percent

Determinations as to volume of timber made by a government check scaler in conformance with the standards as set forth herein shall be final. All loads check scaled by BLM shall be identified with the check scaler's initials legibly marked or painted in the face of the first log in each load. When such checks show a variance in scale in excess of acceptable standards, in two or more consecutive check scales, an adjustment to the volume reported as scaled shall be made by BLM. Such adjustments shall be made based on the difference between available BLM check scales and the original scale during the period covered by the unsatisfactory check scales. Unless otherwise approved in writing by the Authorized Officer, the volume to which this difference shall be applied shall be 50 percent of the volume scaled between the last satisfactory check and the first unsatisfactory check, 100 percent of the volume scaled during the unsatisfactory check, and 50 percent of the volume between the last unsatisfactory check scale and the next satisfactory check scale.

G. Accountability

1. Purchaser shall notify the Authorized Officer seven (7) days prior to starting or stopping of hauling operations performed under the contract.
2. All logs shall be painted and branded at the landing and accounted for in accordance with Sec. 42. ii. of the contract. Each truck driver shall obtain a load receipt and a BLM scaler receipt from

the Log Truck Ticket Book issued by the Authorized Officer and comply with the instructions specified on the cover of said book. While products are in transit, the truck driver shall display the load receipt and BLM scaler receipt on the bunk or wing log at the front of the load on the driver's side. All logs on each load shall be delivered to the destination listed on the woods receipt. The BLM scaler receipt shall be surrendered at the location of BLM scaling, the unloading location, or as requested by BLM.

3. The Purchaser shall not haul logs from the contract area on weekends; Memorial Day, Fourth of July, Labor Day, Thanksgiving, Christmas, and New Year's holidays; or outside the hours of 4:00 a.m. to 8:00 p.m. daily, unless otherwise approved in writing by the Authorized Officer or designated in the Approved Logging Plan (Refer to Section 42.b of the contract).

4. The Purchaser shall furnish BLM a map showing the route which shall be used to haul logs from the timber sale area to the scaling location. Such route shall be the most direct haul route between the two points, unless another route is approved by BLM. The route of haul may be changed only with advance notice to and approval by BLM. The haul route map shall be attached to the Approved Logging Plan.

5. All loads shall be scaled at scale locations listed on the Scaling Authorization (Form OR 5300-18) as approved by the Authorized Officer. The Purchaser shall ensure that all scale site owners listed on the Scaling Authorization enter into a Memorandum of Agreement for Yard Scaling before requesting BLM approval of the Scaling Authorization. Areas for scaling BLM logs shall be designated on the ground and identified on the yard map as required in the Memorandum(s) of Agreement for Yard Scaling.

6. Any removal of logs from loaded trucks before being accounted for and/or scaled as required by the contract shall be considered a willful trespass and render the Purchaser liable for damages under applicable law. Any payment made for purchase of such logs shall be deducted from amount due because of trespass.

7. In the event that BLM logs arrive at the log yard after daily scaling operations, an Overnight Load Control Record, Exhibit B page 5, will be completed by the Scale Site Authorized Representative. Before any BLM loads are released for scaling the BLM contract scaler or a BLM authorized representative shall complete the record and attach the form to the load receipt.

H. Scaling Lost Products - The value of lost loads shall be equal to the highest value load for the month in which the lost load is hauled regardless of where the highest value load is scaled. If no loads have been scaled in that month, value shall be determined from the closest month in which loads were scaled.

V. Estimated Volumes and Values - The following volume estimates and calculations of value of timber sold are made solely as an administrative aid for determining payment amounts, when payments are due, the value of timber subject to any special bonding provisions, and other purposes specified in various portions of the contract. The cutting areas are shown on Exhibit A of the contract.

A. Merchantable Timber Volume Removed from Contract Area - The total volume of removed timber shall be determined using the Government's records of scaled volumes of timber skidded or yarded monthly, or a shorter period if agreed to by the Purchaser and Government, to loading points or removed from the contract area.

B. Merchantable Timber Not Yet Removed from Contract Area - The value of merchantable timber which has not been removed shall be determined by multiplying the value per acre as shown below times the amount of acreage subject to the purpose of the value determination, as determined by the Authorized Officer:

Total Estimated Purchase Price And/Or Schedule of Volumes and Values for Merchantable Timber Not Yet Removed from Contract Area					
Cutting Area		Total Estimated Volume (MBF)		Total Estimated Purchase Price	
Cutting Area Number	Approximate Number of Acres	Volume Per Acre	Total Volume	Value Per Acre	Total Value
Unit 1	20	11.15	223		
Unit 2	21	11.19	235		
Unit 3	20	11.2	224		
Special Mark	2	17.5	35		
Sale Total	63	11.38	717		

OVERNIGHT LOAD CONTROL RECORD	
Log Delivery Location	
Timber Sale	
1	Time and Date Load Delivered
2	Sale Name
3	Load Receipt No.
4	Number of Logs
5	Signature of Person Receiving the Load
6	Date and Time Load Released
7	Signature of Person Releasing the Load

Instructions:

1. Designated individual fills out the heading and lines 1 through 5 (including FULL SIGNATURE in ink on line 5.)
2. Contractor or BLM scaler shall fill out lines 6 and 7 (including FULL SIGNATURE in ink) when loads are released for scaling, otherwise the BLM and/or yard owner shall be required to sign.
3. Unless otherwise agreed, scaler shall attach this form to the Load Receipt.

OVERNIGHT LOAD CONTROL RECORD	
Log Delivery Location	
Timber Sale	
1	Time and Date Load Delivered
2	Sale Name
3	Load Receipt No.
4	Number of Logs
5	Signature of Person Receiving the Load
6	Date and Time Load Released
7	Signature of Person Releasing the Load

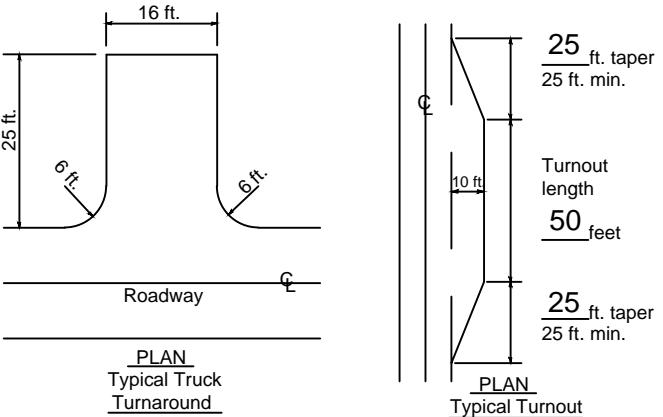
Instructions:

1. Designated individual fills out the heading and lines 1 through 5 (including FULL SIGNATURE in ink on line 5.)
2. Contractor or BLM scaler shall fill out lines 6 and 7 (including FULL SIGNATURE in ink) when loads are released for scaling, otherwise the BLM and/or yard owner shall be required to sign.
3. Unless otherwise agreed, scaler shall attach this form to the Load Receipt.

150: ROAD PLAN AND DETAIL SHEET

Contract No. ORS05-TS-2014.0302Sheet 7 of 38

Note: Maintenance rock of 1000 cy will also be furnished, placed and processed throughout the life of the timber sale. Not required for road acceptance under Section 18 of this contract.



1. Extra subgrade widths.
Add to each shoulder: 1 ft. for fills of 1-6 ft. and 2 ft. for fills over 6 ft. Widen the inside shoulder of curves as needed for log trucks to maneuver with tires remaining on roadbed.
2. Backslopes

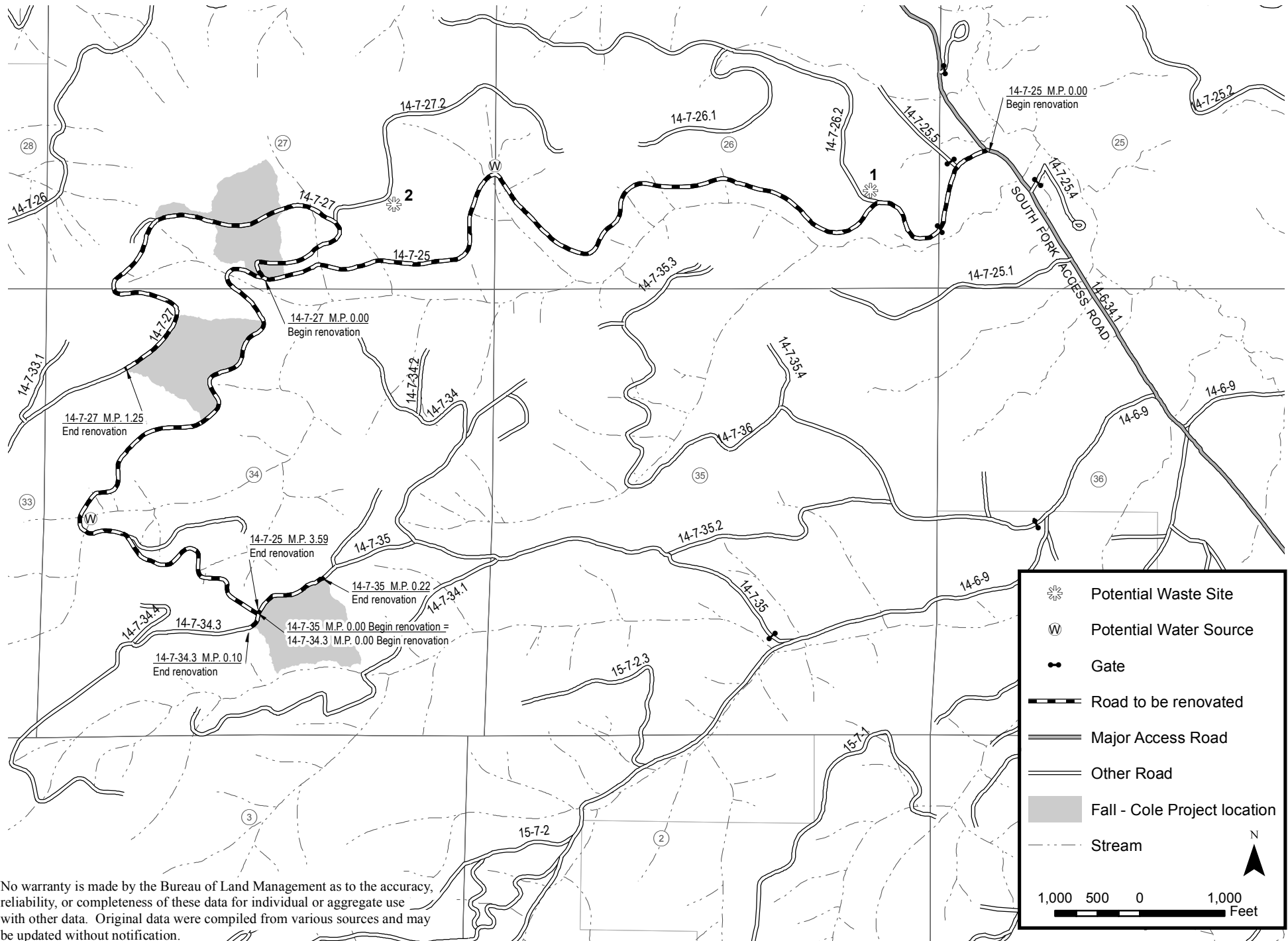
Materials	Cut slopes	Fill slopes
Solid rock	1/2:1	Angle of repose
Soft rock and shale	3/4:1	_____
Common		
Slopes under 55%	1:1	1-1/2:1
Slopes over 55%	1-1/2:1	1-1/2:1

Note:
Full bench construction is required on side slopes exceeding 60%.
3. Surface type

	Grading
PRR - Pit run rock	A - 3"minus
GRR - Grid rolled rock	B - 2"minus (base course)
SRN - Screened rock	C - 3" (base course)
JRR - Jaw run rock	
ABC - Aggr. base course	C - 1 1/2"minus
ASC - Aggr. surface course	D - 1"minus (surface course)
WC - Wood chips	E - 3/4"minus (surface course)
4. Subgrade
Width - 10 ft. in addition to subgrade width, as shown on this plan.
Located as directed by Authorized Officer.
5. Surfacing
Turnouts, curve widening and the first 50' of all road aprons will be surfaced, for all road stations requiring surfacing, as listed above.
6. Clearing width _____ 200
See Section _____
7. As posted and painted for Right-of-Way, and as required in Section 2100 of this contract.
8. Grading (Renovation) _____ 500
See Section _____
9. Drainage _____ 400
See Section _____
Culvert aggregate shall meet Section 1000 gradation requirements, ABC - 3"minus, and does not fulfill the surfacing requirements as listed above.
10. Compaction _____ 300 _____ 500
See Sections _____ and _____

ROAD PLAN MAP

T. 14 S., R. 7 W., W.M. - SALEM DISTRICT - OREGON

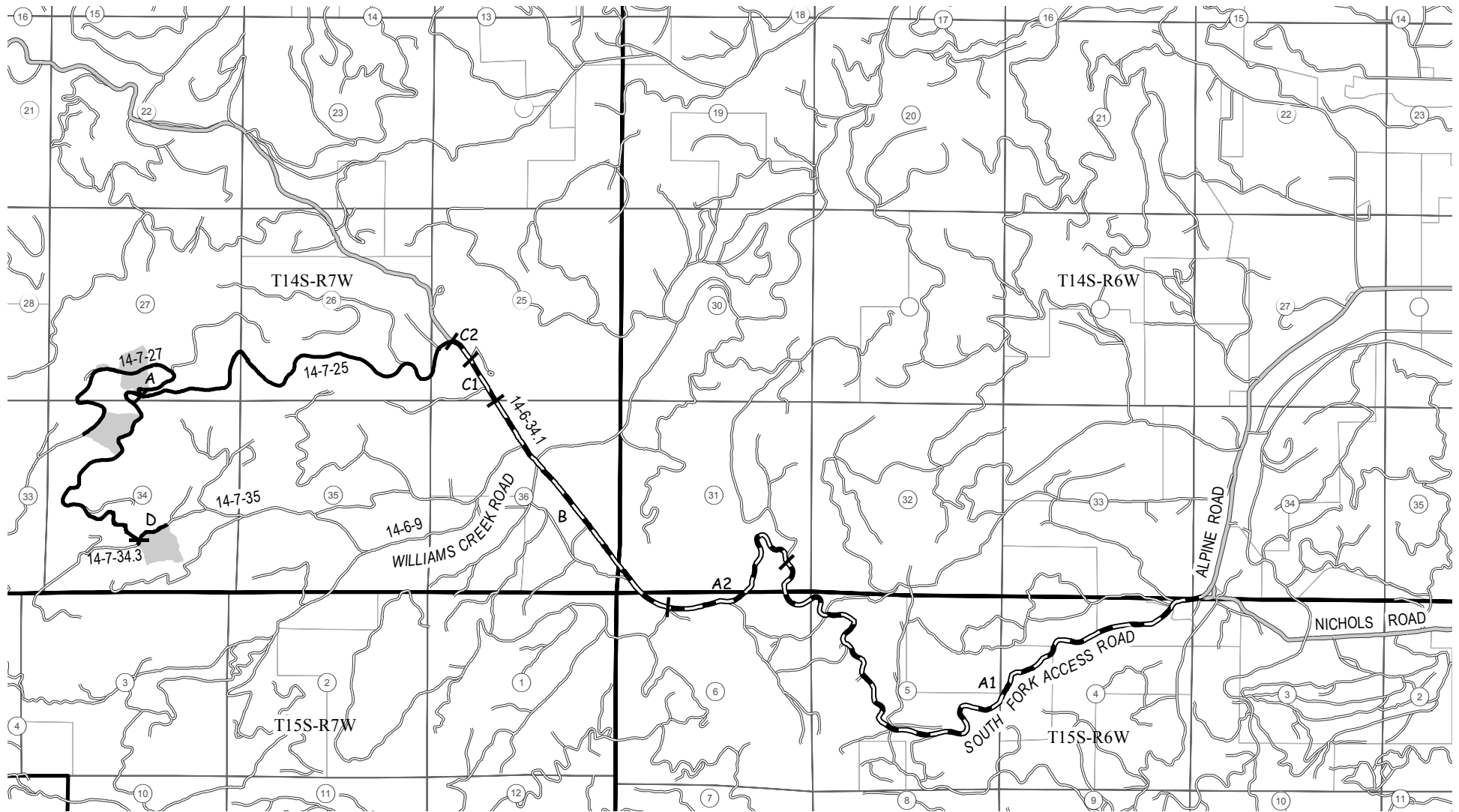


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ROAD USE AND MAINTENANCE MAP

T. 14 S., R. 6 & 7 W., T. 15 S., R. 6 W., W.M. - SALEM DISTRICT - OREGON

Fall-Cole Timber Sale
ORS05-TS-2014.0302
EXHIBIT E



- Bureau of Land Management road over which access is provided - Bureau of Land Management Maintenance
- Bureau of Land Management road over which access is provided - Purchaser Maintenance
- Major Access Road
- Other Road

- Segment
- Segment Break

Fall - Cole Project location



1 1/2 0 1 Miles

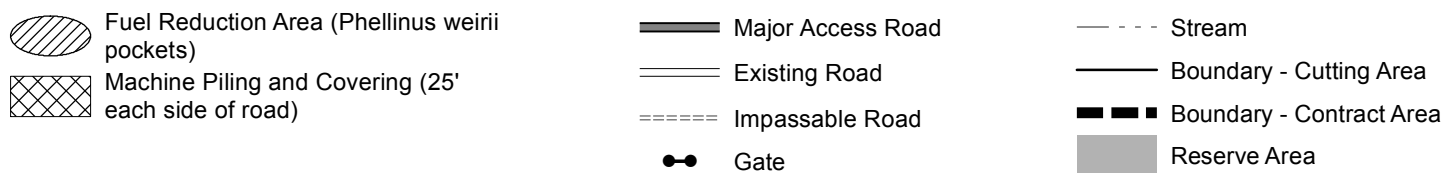
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Fall-Cole Timber Sale

Sheet 1 of 3

T. 14 S., R. 7 W., Section 27, W. M. - SALEM DISTRICT - OREGON



40 foot Lidar derived contours

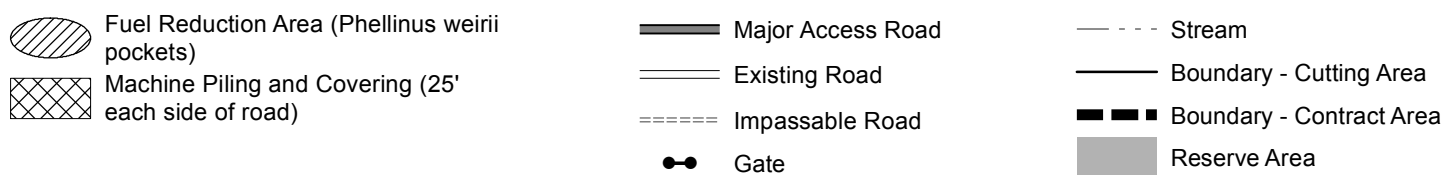


0 500 1,000 1,500 Feet


Fall-Cole Timber Sale

Sheet 2 of 3

T. 14 S., R. 7 W., Section 26, W. M. - SALEM DISTRICT - OREGON



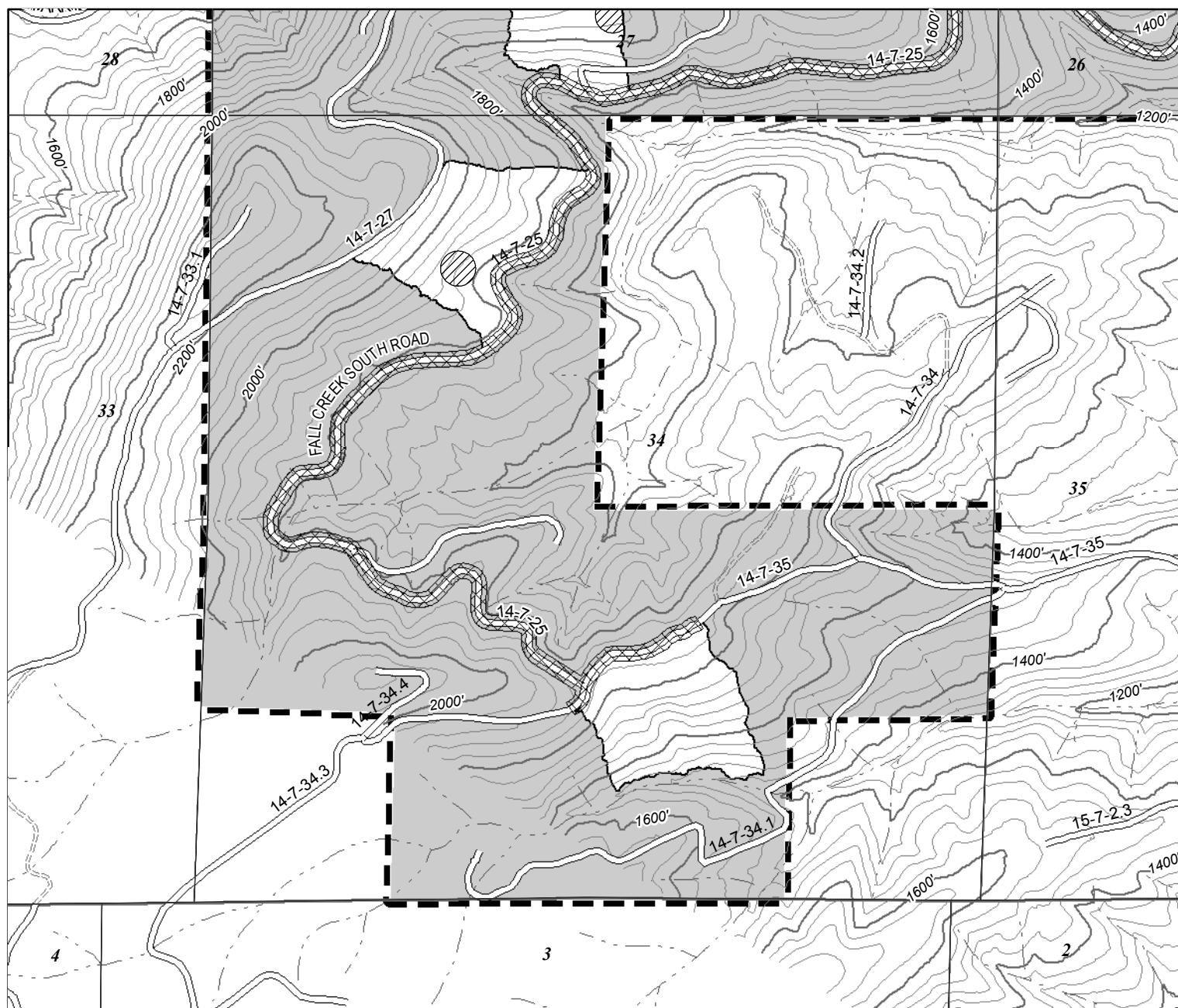
40 foot Lidar derived contours












0 500 1,000 1,500 Feet

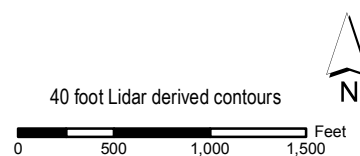
TIMBER SALE CONTRACT MAP - CONTRACT NO. ORS05 -TS-2014.0302

T. 14 S., R. 7 W., Section 34, W. M. - SALEM DISTRICT - OREGON



- | | | | | | |
|--|---|---|-----------------|---|--------------------------|
|  | Fuel Reduction Area (Phellinus weirii pockets) |  | Existing Road |  | Stream |
|  | Machine Piling and Covering (25' each side of road) |  | Impassable Road |  | Boundary - Cutting Area |
| | |  | Gate |  | Boundary - Contract Area |
| | | | |  | Reserve Area |

NOTES: Boundary of Partial Cut Areas are painted orange and posted. Unit acres do not include existing roads. Acres shown on Exhibit A have been computed using a Trimble Geo XT Global Positioning System receiver. Acreage was calculated based on Global Positioning System traverse procedures including differential correction.



LOGGING RESIDUE REDUCTION

Immediately upon completion of harvest, activity generated logging slash at all landings, and along specified roads as shown on Exhibit F will be treated as follows:

CONSTRUCTION AND COVERING OF LANDING PILES

1. Within twenty-five (25) feet (horizontal distance) of the edge of each landing, all tops, broken pieces, limbs, and other activity generated logging slash greater than one (1) inch in diameter at the large end and longer than three (3) feet in length shall be piled and covered for burning within fifteen (15) days of the removal of logs from the landing area.
2. Landing piles should be located as far as possible from green trees, snags, or unit boundaries to minimize damage.
3. Landing piles shall be kept free of dirt and other non-wood debris and constructed as compactly as possible. 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, and the completed piles shall be free of projecting limbs or slash which would interfere with the adequate covering of the piles. To the maximum extent possible, hardwood slash shall be mixed with conifer slash to create piles that are more burnable.
4. The landing piles shall be adequately covered with four (4) mil. (0.004) inch thick black polyethylene plastic to ensure ignition. The plastic shall be furnished by the Purchaser. The plastic shall be oriented southwest (SW) to northeast (NE) and over the top of the pile. Plastic shall be held in place with woody debris or tied with rope or twine. The plastic must be secured so that it is held in place during strong wind conditions. Covering shall be completed before September 15th of the year in which the piling occurred, or as directed by the Authorized Officer.
5. No landing debris shall be dozed off the landing and covered with dirt. Debris which has been buried and is determined to be the source of holdover fire shall be excavated by the Purchaser, at the Purchaser's expense, with a tractor and/or hydraulic excavator as directed by the Authorized Officer.
6. If landing debris is minimal and determined by the Authorized Officer to not be a major fire hazard, the debris shall be removed from the landing area and scattered on yarding corridors or skid trails to a depth not to exceed six (6) inches, as directed by the Authorized Officer.
7. If the construction of the landing piles will not permit adequate consumption of the piled debris, the Purchaser shall be required to re-pile the debris at the direction of the Authorized Officer.

MACHINE PILE CONSTRUCTION AND COVERING

1. Within twenty-five (25) feet (horizontal distance) of specified roads identified on the Exhibit F, activity generated logging slash shall be piled and covered for burning within the same logging season as yarding operations and during periods of low soil moisture as determined by the Authorized Officer.
2. A track mounted hydraulic excavator shall be used to pile woody debris.
3. Prior to piling; the excavator shall be cleaned in accordance with section 42.bb.
4. The excavator shall be equipped with a hydraulic thumb or a rotating controllable grapple head. The machine shall have a minimum reach of twenty-five (25) feet.
5. Along roads, the excavator will be limited to construction of machine piles from the roadbed to avoid compaction within the harvest area.
6. All equipment shall meet the approval of the Authorized Officer.
7. Machine piles shall be located as far as possible from green trees, snags, or unit boundaries to minimize damage.
8. Machine piles shall be kept free of dirt and other non-wood debris and constructed as compactly as possible. There shall be an adequate supply of finer fuels located within and under the covered area of the pile to ensure ignition of the larger fuels, and the completed piles shall be free of projecting limbs or slash which would interfere with the adequate covering of the piles. To the maximum extent possible, hardwood slash shall be mixed with conifer slash to create piles that are more burnable. Logging debris greater than six (6) inches in diameter at the small end shall not be piled.
9. The machine piles shall be adequately covered with four (4) mil. (0.004) inch thick black polyethylene plastic to ensure ignition. The plastic shall be furnished by the Purchaser. The plastic shall be oriented southwest (SW) to northeast (NE) and over the top of the pile. Plastic shall be held in place with woody debris or tied with rope or twine. The plastic must be secured so that it is held in place during strong wind conditions. Covering shall be completed before September 15th of the year in which the piling occurred, or as directed by the Authorized Officer.

SITE PREPARATION

Two (2) *Phellinus weirii* pockets have been identified in Unit No. 1 totaling two (2) acres. One (1) *Phellinus weirii* pocket has been identified in Unit No. 2 totaling one (1) acre. Up to three (3) additional acres may be identified for treatment in Unit No. 1, Unit No. 2, or Unit No. 3 following harvest. These additional acres may increase the size of the pre-identified *Phellinus weirii* pockets listed above or may be newly identified *Phellinus weirii* pockets. Not more than 6 acres in total will be treated in all units. The Authorized Officer shall notify the Purchaser of the date work is to begin. Work shall begin within ten (10) days of such date. A pre-work meeting prior to startup of the site preparation will be required. Site preparation shall be completed as follows:

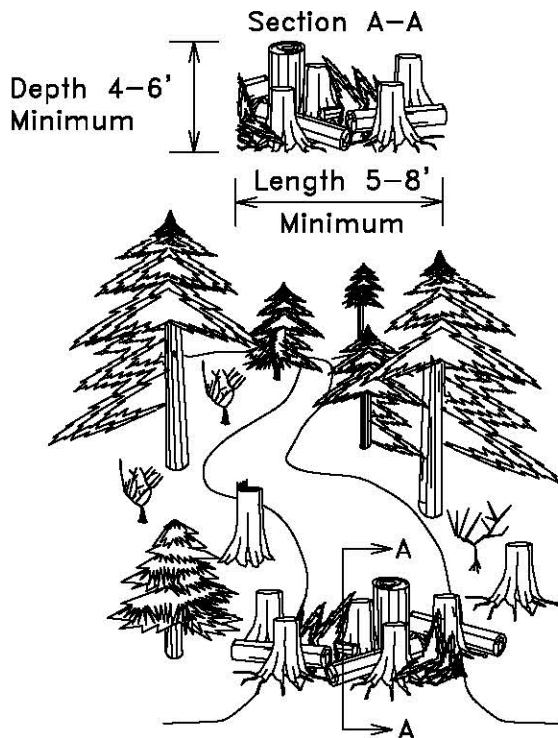
SLASHING AND LOPPING

1. All standing woody vegetation (brush), whips, and designated trees over one (1) foot in height shall be felled (slashed) and lopped into six (6) foot or smaller lengths in Fuel Reduction Areas identified on the Exhibit F.
2. All logging slash and slashed woody vegetation that is greater than six (6) feet in length and between one (1) inch and six (6) inches in diameter shall be lopped. Larger diameter material which has a portion meeting this specification must be bucked at the six (6) inch diameter.
3. All woody vegetation, whips, and designated trees shall be completely severed from the stump(s). Stump height shall not exceed six (6) inches measured on the uphill side.
4. All Douglas-fir and grand fir trees, and hardwood trees designated by the Authorized Officer shall be slashed. Western redcedar and western hemlock trees shall be reserved from slashing.

CONSTRUCTION AND COVERING OF HAND PILES

1. Within *Phellinus weirii* pockets in Unit No. 1, Unit No. 2, or Unit No. 3 all activity generated logging slash, woody vegetation (brush), whips, and designated trees greater than two (2) feet long and between one (1) inch and six (6) inches in diameter at the large end shall be hand piled. Larger material which has a portion meeting this specification must be bucked at the six (6) inch diameter and that portion shall be piled.
2. Hand piles should be located as far as possible from green trees, snags, or unit boundaries to minimize damage.
3. All hand piles shall have the slashed limbs, and logs placed parallel in the pile and should be constructed as compactly as possible. There shall be an adequate supply of finer fuels located within and under the covered area of the pile to ensure ignition of the larger fuels, and the completed piles shall be free of projecting limbs or slash which would interfere with the adequate covering of the piles. Piles shall be no larger than ten (10) feet in diameter, nor taller than six (6) feet unless otherwise directed by the Authorized Officer. To the maximum extent possible, hardwood slash shall be mixed with conifer slash to create piles that are more burnable. Hand piles shall not be placed in stream channels or on roads.
4. The hand piles shall be adequately covered with four (4) mil. (0.004) inch thick black polyethylene plastic to ensure ignition. The plastic shall be furnished by the Purchaser. The plastic shall be oriented southwest (SW) to northeast (NE) and over the top of the pile. Plastic shall be held in place with woody debris or tied with rope or twine. The plastic must be secured so that it is held in place during strong wind conditions. Covering shall be completed before September 15th of the year in which the piling occurred, or as directed by the Authorized Officer.
5. The Purchaser shall provide all tools, materials, equipment, personnel and incidentals necessary to satisfactorily perform and complete the work at the Purchasers expense.

U.S. DEPARTMENT OF THE INTERIOR
 Bureau of Land Management
 Salem District



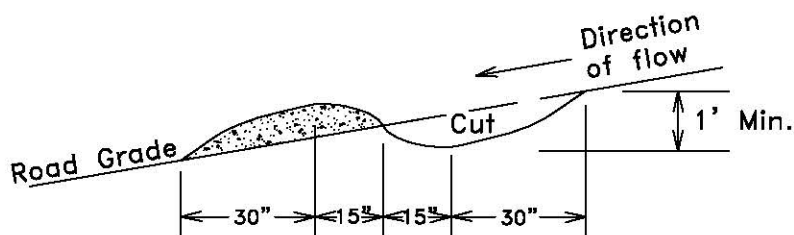
1. Roads shall be blocked as shown using available debris
2. All barricade material shall be stock piled in a large configuration of stumps, logs, large rocks, woody material and earth. Earth will be used to aid debris from being cut, stolen or moved from site.
3. Barricade locations will be flagged by the Authorized Officer prior to construction
4. The barricade shall span the entire width of the roadway and shall sufficiently block all vehicular access to the road

DRAWING #1

Typical Debris Barricade Detail
 (Not to Scale)

Typical Waterbar Detail
 (Not to scale)

DRAWING #2



1. Waterbars shall be constructed as shown.
2. Exact locations will be flagged by the Authorized Officer prior to construction.
3. All waterbars shall be skewed 30 degrees.
4. Waterbars shall extend from the cut bank to the fill slope and be readily crossed by passenger type vehicles.

EXHIBIT I
Designation by Prescription
Scale Timber Sale Requirements

I. Cutting Operations

A. In the required logging plan, the Purchaser shall provide a list of fallers who will be conducting the cutting operations.

B. The Purchaser shall notify the Authorized Officer at least 48 hours in advance of replacement or addition of a timber faller.

C. Approved Cutting Areas - No yarding of cut timber will be allowed until the cutting operations have been approved in writing by the Authorized Officer.

II. Selection Criteria

A. Maintain stand structural and species diversity while reducing stand density and root rot:

1. All tree species besides Douglas-fir, all snags and Continuous Vegetation Survey plot reference trees are reserved and will be left. Only Douglas-fir greater than seven (7) inches DBHOB count toward the basal area targets.
2. Residual conifer basal area per acre shall be 100 square feet in Partial Cut Areas shown on Exhibit I map. Select Douglas-fir greater than seven (7) inches DBHOB to leave, thinning from below to leave dominant and co-dominant healthy trees with best crown ratios. Leave all trees greater than sixteen (16) inches DBHOB.
3. Thin to 60 square feet basal area of Douglas-fir in 1.0 acre heavy thinning patches as shown on Exhibit I map. Center trees are flagged and posted. Perimeter of 118' foot radius (1.0 acre) circle is flagged in orange.
4. Retain six to eight un-thinned clumps to increase variability in each unit. Clumps shall be .1 acre in size (37' radius circle) at current density (total 20 clumps, 2.0 acres). Clumps shall be adjacent to heavy thinning patches or for snag protection. Protect snags that are greater than fourteen (14) inches DBHOB and greater than thirty (30) feet in height. Avoid proximity to cable landing areas.
5. Leave Douglas-fir trees greater than twelve (12) inches DBHOB that are full-crowned, "wolf" trees, broken-top, forked, deep crowns, evidence of wildlife use, or visible nests.

6. Remove any Douglas-fir within fifty (50) feet of recent dead or dying Douglas-fir in areas with evidence of laminated root rot (toppled trees with decayed roots, canopy gaps, yellowing crowns, etc.). The centers of three (3) root rot areas have been flagged and posted as shown on Exhibit I map.

III. Compliance Inspection

A. Compliance inspection by the government will consist of visual observation of on-going cutting operations and collecting plot data after the trees have been cut. Non-compliance with the Selection Criteria shall constitute a contract violation which may result in a suspension of operations as provided in Section 10 of the contract. Plot records may include:

1. Diameter and species of both cut trees (stumps) and residual trees to determine initial and residual basal area per acre.
2. The selection of residual trees and the work quality.

B. The approval level for the residual conifer basal area target for each unit shall be considered met if the average residual conifer basal area of all plots measured during one inspection is within ten (10) percent of the residual conifer basal area target. If this requirement falls below the approval level, a written warning will immediately be issued to the Purchaser.

C. If the Purchaser does not comply with the Designation By Prescription "Selection Criteria" of this Exhibit to the satisfaction of the Authorized Officer after a written warning has been issued, the Authorized Officer may suspend harvesting operations until corrective measures, as specified in writing by the Authorized Officer, have been taken by the Purchaser. Such corrective measures may include but are not limited to:

1. Replacement of faller(s) by the Purchaser.
2. Approval of fallers by the Authorized Officer based on fallers' satisfactory completion of a BLM test plot.

UNITED STATES DEPARTMENT OF THE INTERIOR
Bureau of Land Management
Salem District - Oregon

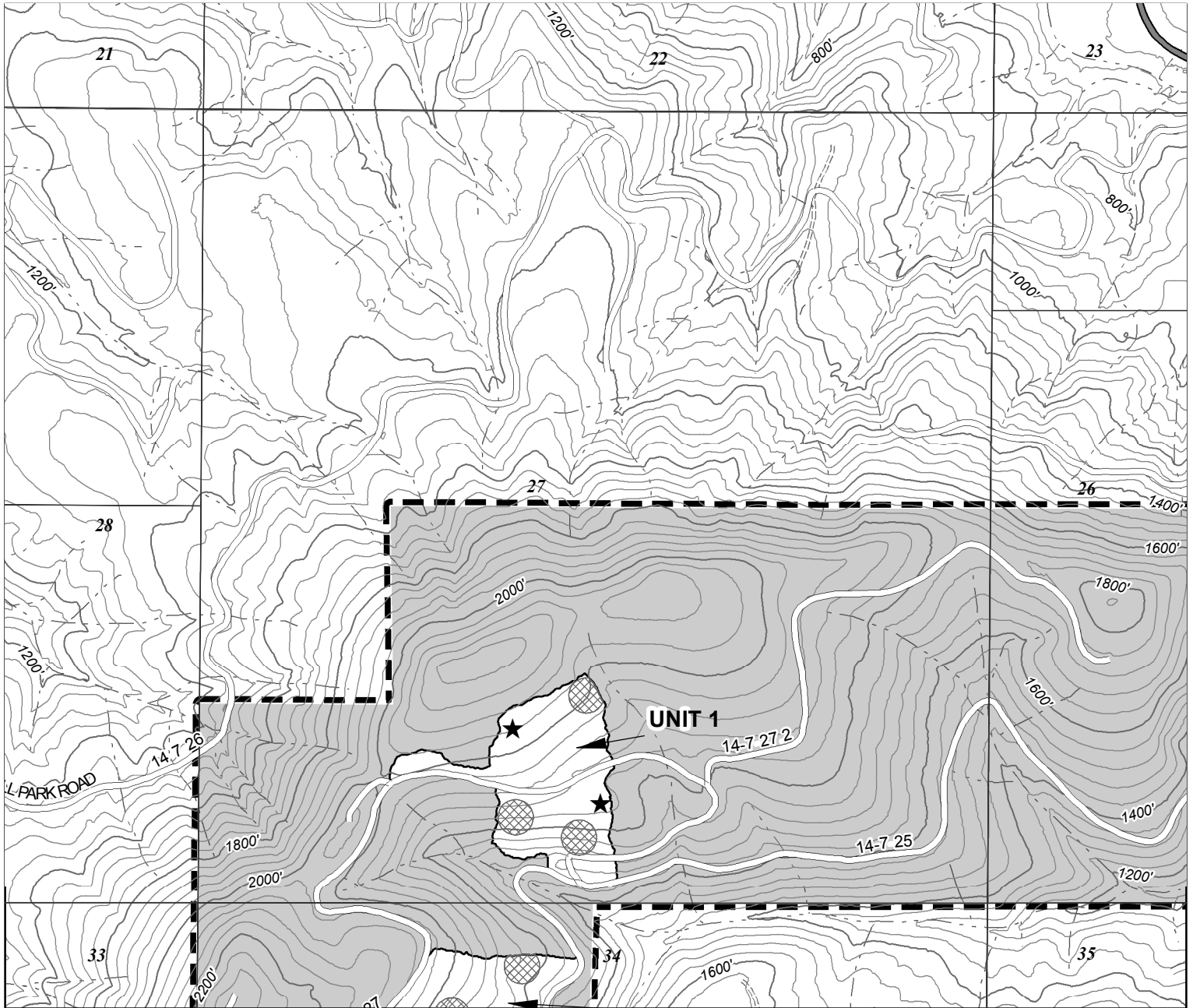
Fall-Cole
Timber Sale

EXHIBIT I

Sheet 3 of 4

TIMBER SALE CONTRACT MAP - CONTRACT NO. ORS05 -TS-2014.0302

T. 14 S., R. 7 W., Section 27, W.M. - SALEM DISTRICT - OREGON



Heavy Thin Area



Root Rot Area



Partial Cut Area



Major Access Road



Existing Road



Impassable Road



Stream



Boundary - Cutting Area



Boundary - Contract Area



Reserve Area

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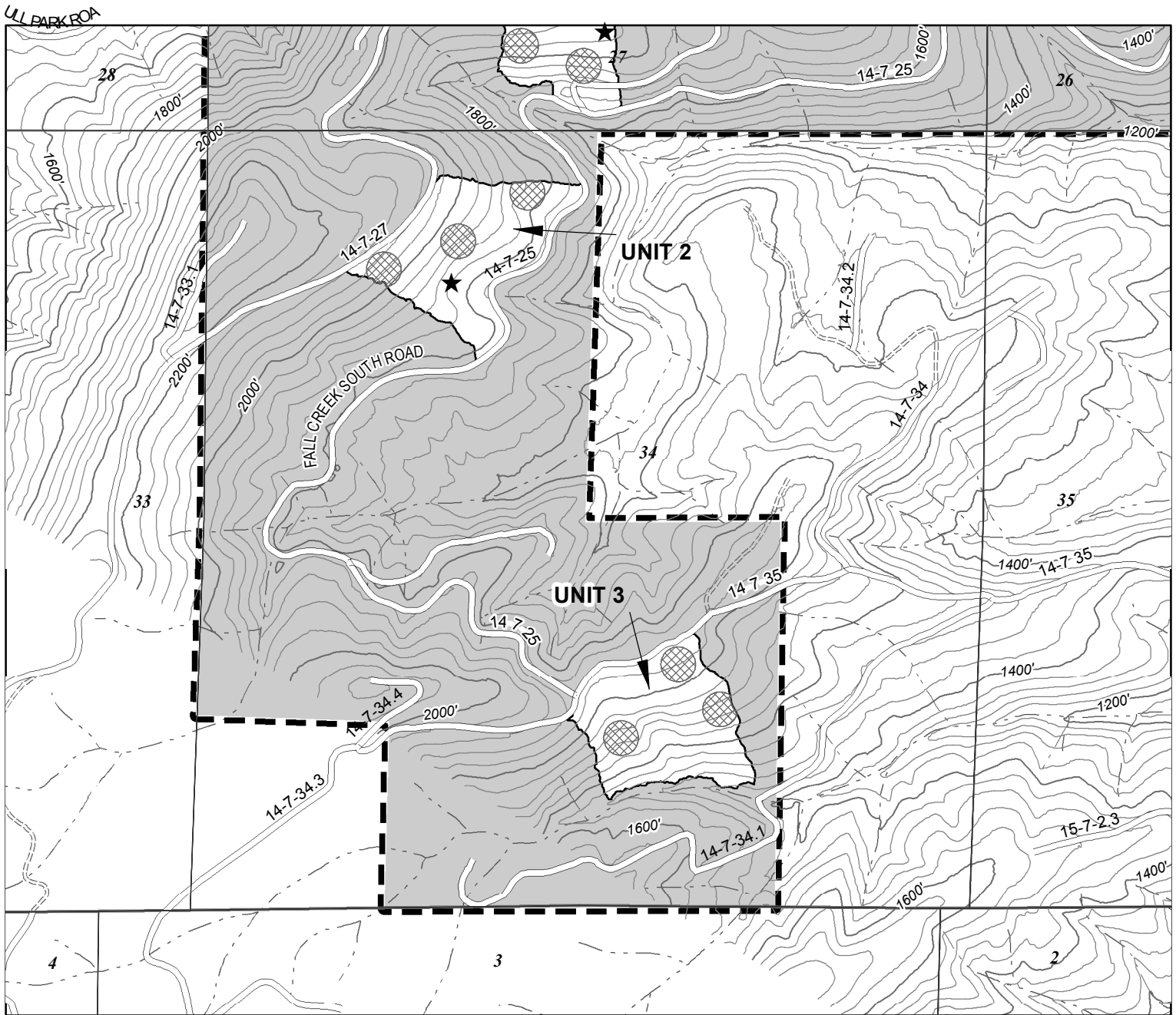
40 foot Lidar derived contours










0 500 1,000 1,500 Feet




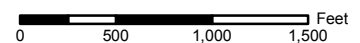
TIMBER SALE CONTRACT MAP - CONTRACT NO. ORS05 -TS-2014.0302

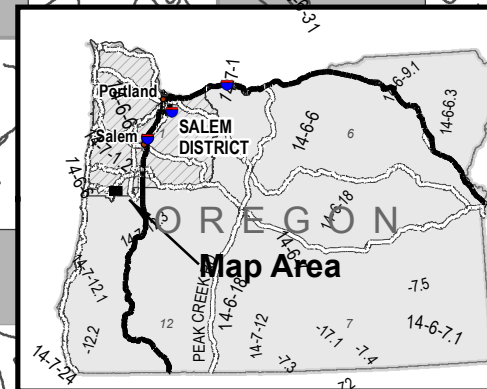
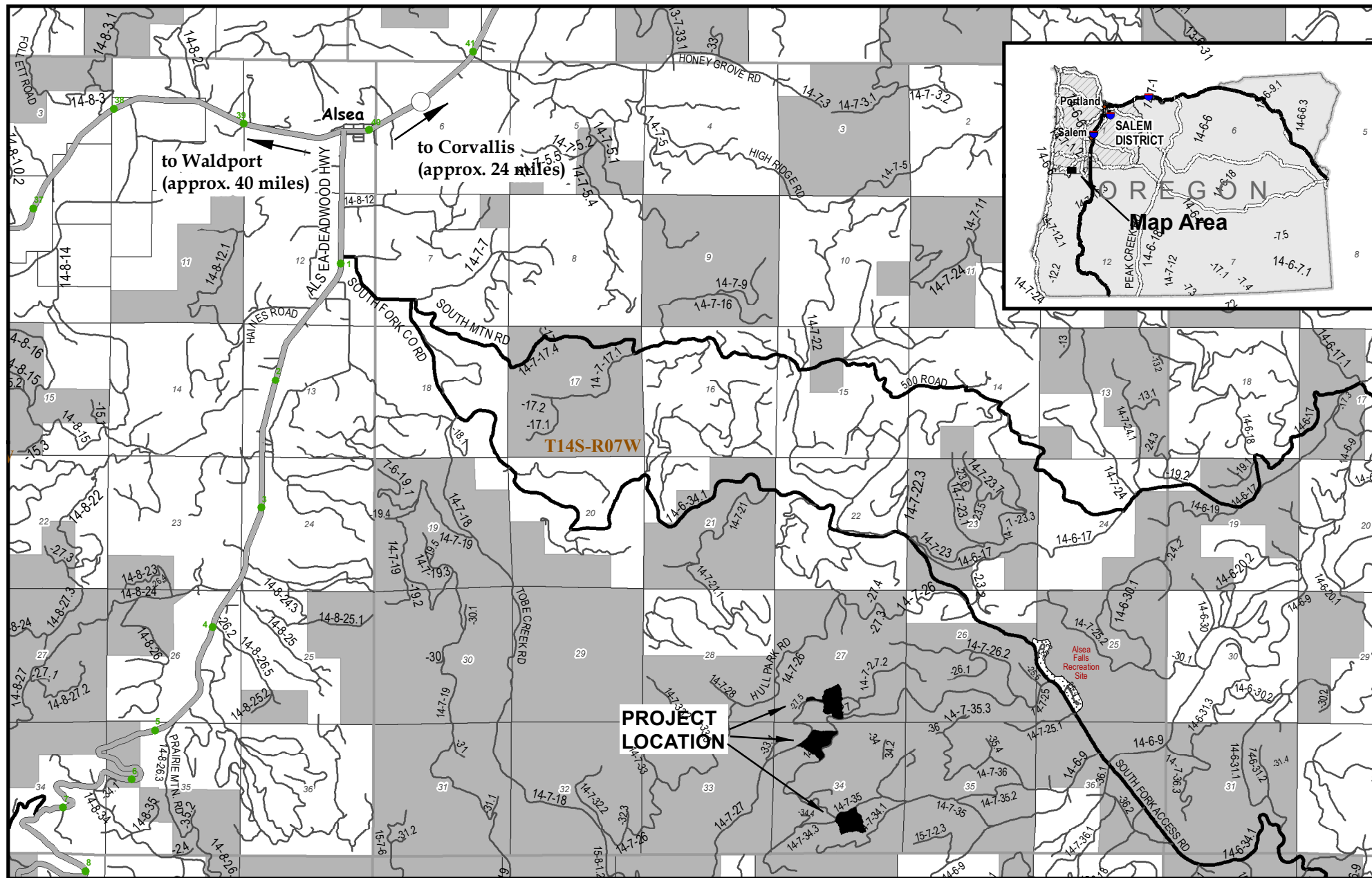
T. 14 S., R. 7 W., Section 34, W.M. - SALEM DISTRICT - OREGON



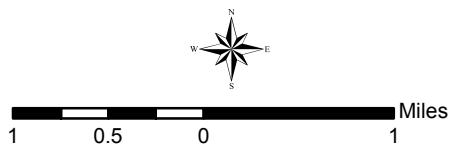
-  Heavy Thin Area
  Major Access Road
  Stream
 Root Rot Area
  Existing Road
  Boundary - Cutting Area
 Partial Cut Area
  Impassable Road
  Boundary - Contract Area

  Reserve Area





Fall-Cole Location Map



Fall-Cole Timber Sale Units
Bureau of Land Management

Highway
Major road
Other road

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**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Timber - Sale - Summary**

Salem
Fall-Cole
ORSO50-TS-2014.0302

Legal Description

Forest Type	Township	Range	Section	Subdivision
O&C	14S	7W	26	SW1/4, NW1/4 SE1/4, S1/2 E1/4
O&C	14S	7W	27	NE1/4 SW1/4, S1/2 SW1/4, SE1/4
O&C	14S	7W	34	NW1/4, E1/2 SW1/4, W1/2 E1/4

Cutting Volume (16' MBF)

Unit	DF	RA	WH	BLM					Total	Regen	Partial	ROW
1	223								223	0	20	0
2	235								235	0	21	0
3	224								224	0	20	0
SM		28	5	2					35	0	2	0
Totals	682	28	5	2					717	0	63	0

Logging Costs per 16' MBF

Stump to Truck	\$ 148.20
Transportation	\$ 63.26
Road Construction	\$ 201.45
Road Amortization	\$ 0.00
Road Maintenance	\$ 18.51
Other Allowances :	

Equipment Washing	\$ 0.21
Grass Seeding	\$ 0.17
Misc	\$ 3.14
Piling	\$ 12.57
Slashing	\$ 2.63
Water Bars/ Berms	\$ 0.18
Total Other Allowances :	\$ 18.90

Profit & Risk

Total Profit & Risk	14 %
Basic Profit & Risk	11 % + Additional Risk 3 %
Back Off	0 %

Tract Features

Avg Log	Douglas-fir : 29 bf	All : 29 bf
Recovery	Douglas-fir : 96 %	All : 95 %
Salvage	Douglas-fir : 0 %	All : 0 %
Avg Volume (16' MBF per Acre)		11
Avg Yarding Slope		21 %
Avg Yarding Distance (feet)		325
Avg Age		35
Volume Cable		69 %
Volume Ground		31 %
Volume Aerial		0 %
Road Construction Stations		0.00
Road Improvement Stations		0.00
Road Renovation Stations		272.45
Road Decommission Stations		0.00

Cruise

Cruised By	Barclay
Date	11/16/2011
Type of Cruise	Fixed plot 1/5 acre & 100%
County, State	Benton, OR

Net Volume

Green (16' MBF)	717
Salvage (16' MBF)	0
Douglas-fir Peeler	0
Export Volume	0
Scaling Allowance (\$0.00 per 16' MBF)	\$0.00

Total Logging Costs per 16' MBF

\$ 450.33

Utilization Centers

Center #1 : Noti, OR	41 Miles
Center #2	0 Miles
Weighted distance to Utilization Centers	41

Length of Contract

Cutting and Removal Time	36 Months
Personal Property Removal Time	1 Months

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Salem
Fall-Cole
ORSO50-TS-2014.0302

Stumpage Summary

Stumpage Computation (16' MBF)

Species	Trees	Net Volume	Pond Value	(-) Profit & Risk	(-) Logging Cost	(+) Marginal Log Value	(-) Back Off	Appraised Price	Appraised Value
DF	10,696	682	\$ 533.04	\$ 74.63	\$ 450.33			\$ 53.30	\$ 36,350.60
RA	742	28	\$ 361.85	\$ 50.66	\$ 450.33			\$ 36.20	\$ 1,013.60
WH	25	5	\$ 396.80	\$ 55.55	\$ 450.33			\$ 39.70	\$ 198.50
BLM	93	2	\$ 330.00	\$ 46.20	\$ 450.33			\$ 33.00	\$ 66.00
Totals	11,556	717							\$ 37,628.70

Log Code by Percent

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
Douglas-fir				2.0	72.0	26.0
Western Hemlock						100.0
Red Alder					21.0	79.0
Bigleaf Maple					100.0	

Marginal Log Volume

Species	Grade #7	Grade #8
Douglas-fir		
Western Hemlock		
Red Alder		
Bigleaf Maple		

Appraised By : Barclay, Brian

Date : 11/28/2011

Area Approval By :

Date :

District Approval By :

Date :

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

Salem
Fall-Cole
ORSO50-TS-2014.0302

Prospectus

Appraisal Method : (16' MBF)

Species	Trees	Net Volume 16' MBF	Net Volume 32' MBF	Net Volume CCF
Douglas-fir	10,696	682	560	
Red Alder	742	28	25	
Western Hemlock	25	5	4	
Bigleaf Maple	93	2	2	
Total	11,556	717	591	

All Species

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
756	11,556	65	10.2	756	26,031	29

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
26,031	337	26,368	2.3	717	756	95 %

Douglas-fir

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
711	10,696	66	10.2	711	24,589	29

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
24,589	0	24,589	2.3	682	711	96 %

Cutting Areas

Unit	Regen Acres	Partial Cut Acres	Right Of Way Acres	Total Acres
1		20		20
2		21		21
3		20		20
SM		2		2
Totals :		63		63