

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

Rowell Creek Timber Sale
ORS05-TS-2016.0301
Date: January 22, 2016

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, February 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 Itemizer Observer on or about January 27, 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.

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 5430-11, 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 5430-11
Form 5440-9

TIMBER SALE NOTICE

SALEM DISTRICT
MARYS PEAK RESOURCE AREA
ALSEA-RICKREALL MASTER UNIT

SALE DATE: February 24, 2016

CONTRACT NO. ORS05-TS-2016.0301, ROWELL CREEK TIMBER SALE

POLK COUNTY, OREGON: O&C: ORAL AUCTION: BID DEPOSIT REQUIRED: \$364,000.00

All timber designated for cutting on Lot 5, Lot 6, Lot 7, Lot 8, Lot 9, Lot 10, Lot 11, Lot 12, Lot 13, Lot 14, Lot 15, Lot 16, Lot 17, Lot 18, and W1/2 SW1/4 Section 1; T. 7 S., R. 8 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
34,110	10,257	Douglas-fir	12,477	\$277.60	\$3,463,615.20
7,176	975	Western Hemlock	1,210	\$143.80	\$173,998.00
38	3	Western red cedar	4	\$470.80	\$1,883.20
41,324	11,235	Totals	13,691		\$3,639,496.40

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 for the Partial Cut Units were based on a variable plot cruise for estimating the board foot volume of trees. Plots were measured with a 20 basal area factor for Partial Cut Units. The Right-of-Way volume is based on 100% cruise for estimating the board foot volume of trees. Approximately 0% of the total sale volume is salvage material. With respect to merchantable trees of all species; the average tree is 15.7 inches DBHOB; the average log contains 68 bd. ft.; the total gross volume is approximately 14,250 MBF; and 96% recovery is expected.

CUTTING AREA: Seven units totaling approximately 344 acres are partial cut, and approximately 23 acres are right-of-way. Acres shown on Exhibit A have been computed using a Trimble GeoXH 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 Rowell Creek Timber Sale is located approximately 4 air miles south of Grand Ronde, Oregon, off of the 6-8-13 road, in Section 1, T. 7 S., R. 8 W. Proceed up the 6-8-13 road approximately 4 miles, then 6-8-35.1 for approximately 2 miles and arrive at contract area. See general vicinity map 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 Nestucca Forests, LLC and Bureau of Land Management controlled roads. In the use of Nestucca Forests, LLC controlled roads – Nestucca Forests, LLC maintenance, the Purchaser shall enter into a license agreement with Nestucca Forests, LLC and pay to Nestucca Forests, LLC a road use fee of twenty-seven thousand three hundred eighty-two and 00/100 dollars (\$27,382.00) and a road maintenance and rockwear fee of one hundred thirty two thousand three hundred thirty-seven and 61/100 dollars (\$132,337.61), carry liability insurance with limits of \$1,000,000/\$1,000,000/\$1,000,000.

In the use of Bureau of Land Management controlled roads – Purchaser Maintenance, the purchaser will be required to perform maintenance on approximately 5.52 miles of renovated and constructed roads. The Purchaser shall also pay to the Government a road maintenance obligation for rockwear in the amount of seven thousand two hundred five and 10/100 dollars (\$7,205.10).

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

1. Construction:

Road P_{Spur}, 2,575 feet, 14-foot subgrade
Surfacing – Aggregate base course, depth 8 inches

Road P₁, 550 feet, 14-foot subgrade with 1 foot ditch
Surfacing – Aggregate base course, depth 8 inches

Road P₂, 1,562 feet, 14-foot subgrade with 1 foot ditch
Surfacing – Aggregate base course, depth 8 inches

Road P₃, 190 feet, 14-foot subgrade
Surfacing – Aggregate base course, depth 8 inches

Road P₄, 700 feet, 14-foot subgrade
Surfacing – Aggregate base course, depth 8 inches

Road P₅, 750 feet, 14-foot subgrade with 1 foot ditch
Surfacing – Aggregate base course, depth 8 inches

Road P₅, 470 feet, 14-foot subgrade
Surfacing – Aggregate base course, depth 8 inches

Road P₆, 1,735 feet, 14-foot subgrade with 1 foot ditch
Surfacing – Aggregate base course, depth 8 inches

Road P₇, 2,860 feet, 14-foot subgrade with 1 foot ditch
Surfacing – Aggregate base course, depth 8 inches

Road P₈, 1,310 feet, 14-foot subgrade with 1 foot ditch
Surfacing – Aggregate base course, depth 8 inches

Road P₉, 535 feet, 14-foot subgrade
Surfacing – Aggregate base course, depth 8 inches

Road P₁₀, 1,845 feet, 14-foot subgrade with 1 foot ditch
Surfacing – Aggregate base course, depth 8 inches

Road P₁₁, 380 feet, 14-foot subgrade
Surfacing – Aggregate base course, depth 8 inches

Road P₁₂, 1,400 feet, 14-foot subgrade with 1 foot ditch
Surfacing – Aggregate base course, depth 8 inches

Road P₁₃, 705 feet, 14-foot subgrade
Surfacing – Aggregate base course, depth 8 inches

Road P₁₄, 400 feet, 14-foot subgrade with 1 foot ditch
Surfacing – Aggregate base course, depth 8 inches

Road -36.0/-1.0 Tie, 720 feet, 16-foot subgrade with 1 foot ditch
Surfacing – Aggregate base course, depth 8 inches

2. Renovation/Improvement:

Road 6-8-36.0, 5,030 feet, 16-foot subgrade
Surfacing – Aggregate base course, depth 8 inches

Road 6-8-36.0, 250 feet, 16-foot subgrade with 1 foot ditch
Surfacing – Aggregate base course, depth 8 inches, aggregate surface course, depth 6 inches

Road 7-8-1.0, 2,904 feet, 16-foot subgrade
Surfacing – Aggregate base course, depth 8 inches

Road 7-8-2.0, 1,848 feet, 16-foot subgrade
Surfacing – Aggregate base course, depth 8 inches

Road 7-8-11.0, 317 feet, 16-foot subgrade
Surfacing – Aggregate surface course, depth 6 inches

Road R₁, 1,690 feet, 14-foot subgrade with 1 foot ditch
Surfacing – Aggregate surface course, depth 8 inches

3. Estimated Quantities:

Clearing/Grubbing:

2.5 acres of new construction
2.2 acres of renovation
12.8 acres of improvment

Excavation:

17,543 cubic yards of common
676 cubic yards of rock

Culvert and Flume:

672 feet of 18 inch Type S, CPP
30 feet of 24 inch Type S, CPP

Aggregate Material:

<u>Quantity</u> - loose yards	<u>Description</u>
14,244 cubic yards	3" minus crushed rock - Commercial
210 cubic yards	1 1/2" minus crushed rock - Commercial

Rolling: 230 Hours
30,706 feet @ 400 feet/hour = 76.77 hours * 3(subgrade + 2 lifts) = 230 hours

4. Miscellaneous Items:

Slash Treatment (Scattering):

17.5 acres

Brushing:

3.4 acres

Seeding/Mulching:

21.3 acres

Renovation blading:

1.9 miles

SPECIAL ATTENTION ITEMS:

Sec. 42.k. Special Yarding Areas

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

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 1,467 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

Activity	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Road Renovation & Construction												
Ground-based Yarding												
Log Hauling												
Skyline Yarding												
Generally allowed												
Generally not allowed – or restriction applies												

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 and/or right-of-way areas of the Roads to be Constructed, Improved and Renovated shown on Exhibit A.
- b. All trees marked with orange paint in the Partial Cut Areas shown on Exhibit A.
- c. All preexisting down logs and snags in the Partial Cut Areas shown on Exhibit A, except as otherwise provided in this contract
- d. All trees other than Douglas-fir and western hemlock in the Partial Cut Areas shown on Exhibit A.
- e. All trees under 7 inches DBHOB not designated for cutting.

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. 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.

e. All trees designated for cutting which are within one hundred (100) feet of the Stream Protection Zones shall be felled away from the Stream Protection Zones. Trees or portions of trees falling within any Stream Protection Zone shall be reserved from removal.

f. 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.

g. In the Partial Cut Area – Ground-Based Yarding areas 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 150 apart unless otherwise approved 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.

h. 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, and western hemlock otherwise reserved in Section 41 of the contract or any Douglas-fir tree that exceeds thirty-eight (38) inches diameter at breast height, or any western hemlock tree that exceeds thirty-six (36) 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.

(6) The Government may reserve trees previously designated for cutting and removal by applying orange paint as replacements for additional trees cut and removed for skid roads and/or cable yarding roads when the Authorized Officer determines such reservation is necessary to maintain stand densities consistent with objectives set forth in the management prescriptions. This may include the

replacement of trees damaged by storm events, or 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.

i. In the Partial Cut Areas shown on Exhibit A, all trees designated for cutting shall be felled and cut into log lengths not to exceed forty (40) feet plus trim before being yarded.

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. In the special yarding area on Unit 7, as shown on Exhibit A, yarding shall be done with a skyline-type system. The skyline-type system shall be equipped with either an energized or slackpulling carriage having lateral yarding capabilities. All logs must be transported completely clear of the ground. This area extends one hundred (100) feet slope distance on both sides of creek. The use of designated skyline corridors shall be necessary when yarding across the stream buffered area. The number of designated corridors and their location will be approved by the Authorized Officer prior to skyline rigging.

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

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

n. 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.

o. 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 and ten (10) feet long. The Purchaser shall be required to furnish the covering materials.

ROAD CONSTRUCTION, RENOVATION, MAINTENANCE AND USE

p. The Purchaser shall construct approximately 18,687 feet of road, improve approximately 4,594 feet of road and renovate approximately 7,445 feet of road in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof.

q. No road construction or renovation shall be conducted on the Contract Area shown on Exhibit A between October 31 of one calendar year and May 1 of the following calendar year, both days inclusive, or during other periods of wet soil conditions as determined by the Authorized Officer.

r. Any required road construction or renovation shall be completed and accepted prior to the removal of any timber, except right-of-way timber, over that road.

s. The Purchaser is authorized to use the roads listed below and shown on Exhibit C 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.u. and pay the required rockwear obligation described in 42.t. The Purchaser shall pay current Bureau of Land Management rockwear fees for the sale of additional timber under modification of the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
P	0.49	Bureau of Land Management	Crushed Aggregate
P ₁	0.10	Bureau of Land Management	Crushed Aggregate
P ₂	0.30	Bureau of Land Management	Crushed Aggregate
6-8-36.0 A+B	1.00	Bureau of Land Management	Crushed Aggregate
7-8-1.0	0.55	Bureau of Land Management	Crushed Aggregate
-36.0/-1.0 Tie	0.14	Bureau of Land Management	Crushed Aggregate
R1	0.32	Bureau of Land Management	Crushed Aggregate
P ₃	0.04	Bureau of Land Management	Crushed Aggregate
P ₄	0.13	Bureau of Land Management	Crushed Aggregate
P ₅	0.23	Bureau of Land Management	Crushed Aggregate
P ₆	0.33	Bureau of Land Management	Crushed Aggregate
P ₇	0.54	Bureau of Land Management	Crushed Aggregate
P ₈	0.25	Bureau of Land Management	Crushed Aggregate
P ₁₄	0.08	Bureau of Land Management	Crushed Aggregate
P ₉	0.10	Bureau of Land Management	Crushed Aggregate
P ₁₀	0.35	Bureau of Land Management	Crushed Aggregate
P ₁₃	0.13	Bureau of Land Management	Crushed Aggregate
7-8-2.0 H	0.16	Bureau of Land Management	Crushed Aggregate
7-8-2.0/P ₁₁	0.07	Bureau of Land Management	Crushed Aggregate
P ₁₂	0.27	Bureau of Land Management	Crushed Aggregate

t. The Purchaser shall also pay to the Government a road maintenance obligation for rockwear in the amount of seven thousand two hundred five and 10/100 dollars (\$7,205.10) for the transportation of

timber included in the contract price. The amount of the rockwear shown above shall be paid prior to removal of timber from the contract area.

u. As shown on Exhibit E, 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 hereof.

v. In the use of the roads listed below and shown on Exhibit E, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. S-905 between the United States of America and Nestucca Forests, LLC. These conditions include: Payment to Nestucca Forests, LLC a road use obligation of twenty-seven thousand three hundred eighty-two and 00/100 dollars (\$27,382.00) and a road maintenance and rockwear obligation of one hundred thirty two thousand three hundred thirty-seven and 61/100 dollars (\$132,337.61) payable at the time indicated in the license agreement. This document is available for inspection at the office of the Authorized Officer. Prior to the use of this road, the Purchaser shall furnish the Authorized Officer a copy of the executed license agreement. Default by the Purchaser of said Right-of-Way and Road Use Agreement or any license agreement executed pursuant thereto, for failure to pay appropriate road use fees shall be considered a violation of this contract. The amount of unpaid fees shall be considered as the amount of damage suffered by the Government as a result of the violation of this provision. The Purchaser will be required to carry liability insurance with limits of \$1,000,000/\$1,000,000/\$1,000,000.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
6-8-13.0 A-E	5.50	Nestucca Forests, LLC	Crushed Aggregate
6-8-35.1 A-D	1.80	Nestucca Forests, LLC	Crushed Aggregate
6-8-36.1 A	0.95	Nestucca Forests, LLC	Crushed Aggregate
7-8-2.0 A-G+I	2.81	Nestucca Forests, LLC	Crushed Aggregate

w. 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.

x. With the prior written approval of the Authorized Officer, the Purchaser may arrange for cooperative maintenance with other users of roads included in Exhibit E 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. The Purchaser shall furnish the Authorized Officer a copy of any cooperative maintenance agreements entered into with other users on these roads.

ENVIRONMENTAL PROTECTION

y. 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 (<i>Festuca rubra</i>)	100%
Oregon Certified Seed (Blue Tag)	
Purity	97% 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 provided.

z. 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.

aa. Immediately following 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.

bb. 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.

FIRE PROTECTION

cc. 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

dd. 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.

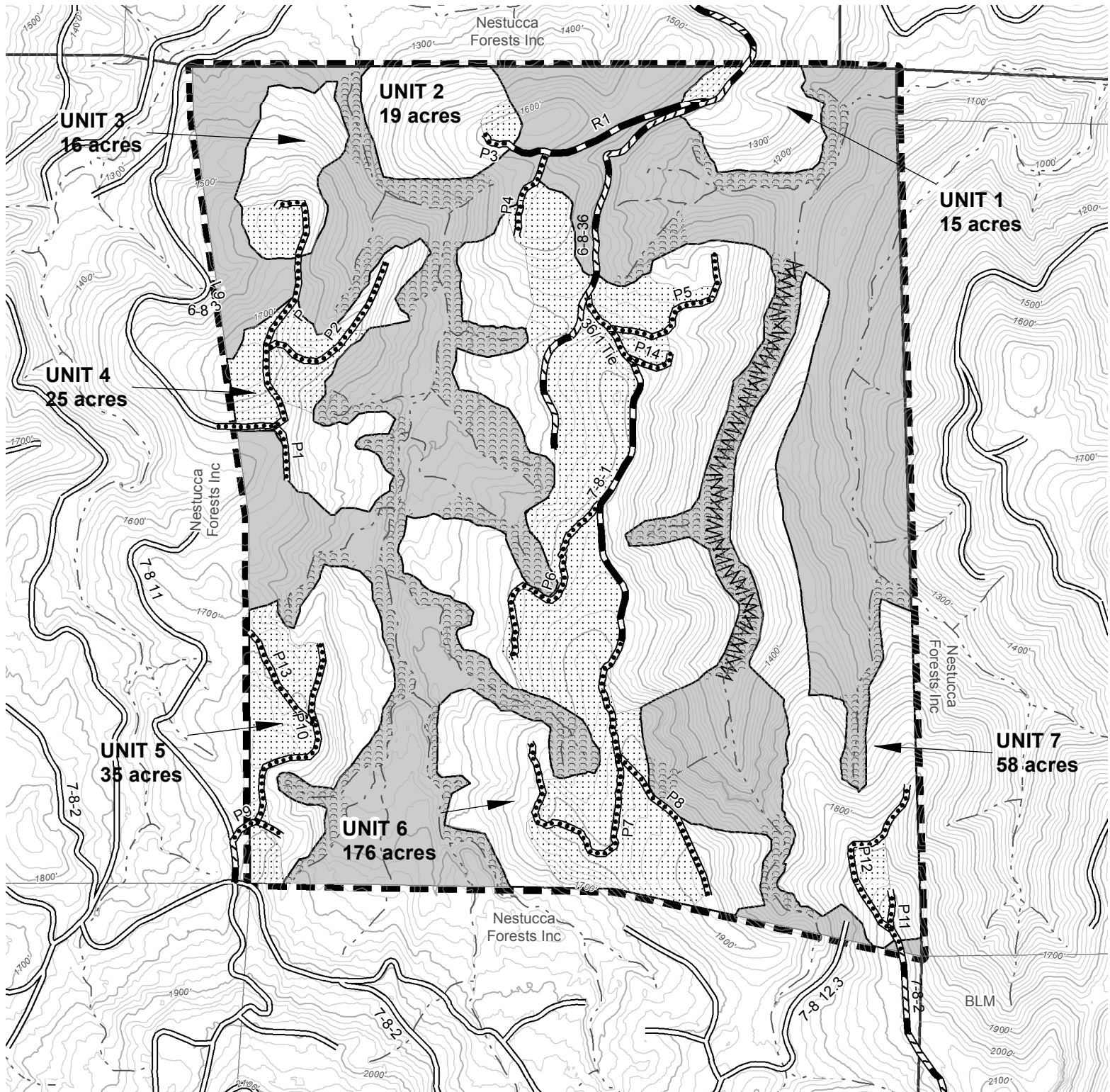
In the event of the Purchaser's noncompliance with this subsection of the contract, the Authorized Officer may take appropriate action as set forth in Section 10 of this contract. In addition, the Purchaser may be declared ineligible to receive future awards of Government timber for a period of one year.



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

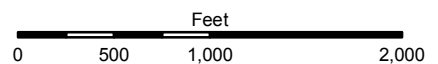
Rowell Creek Timber Sale
EXHIBIT A
Sheet 1 of 1

TIMBER SALE CONTRACT MAP - CONTRACT NO. ORS05 -TS-2016.0301
T. 7 S., R. 8 W., Section 1, W. M. - SALEM DISTRICT - OREGON



- | | |
|--------------------------|---|
| Road to be Constructed | Reserve Area |
| Road to be Improved | Stream Protection Zone |
| Road to be Renovated | Partial Cut Area - Ground-Based Yarding |
| Existing Road | Partial Cut Area - Skyline Yarding |
| Stream | |
| Boundary - Contract Area | |
| Boundary - Cutting Area | |

Partial Cut Area	344.00 acres
Right of Way Area	23.00 acres
Reserve Area	338.41 acres
Total Contract Area	705.41 acres



Contour interval: 20ft.

NOTES: Boundary of Partial Cut Areas are painted orange and posted. Unit acres do not include existing roads or Rights-of-Way. 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

EXHIBIT B / PRE-SALE

5450-3

Contract No.

ORS05-TS-2016.0301

Rowell Creek

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 (Units Specified)		PRICE PER UNIT	ESTIMATED VOLUME OR QUANTITY X UNIT PRICE
Douglas Fir	12,477.0	MBF	\$277.60	\$3,463,615.20
Western Hemlock	1,210.0	MBF	\$143.80	\$173,998.00
Western Redcedar	4.0	MBF	\$470.80	\$1,883.20
TOTALS	13,691.0	MBF		\$3,639,496.40

The apportionment of the total purchase price is as follows:

Unit 1

Douglas Fir	487.0 MBF	X	\$277.60	=	\$135,191.20
Western Hemlock	48.0 MBF	X	\$143.80	=	\$6,902.40
Total	535.0 Mbf				\$142,093.60 ÷ 15.0 acres = \$9,472.91/Acre

Unit 2

Douglas Fir	617.0 MBF	X	\$277.60	=	\$171,279.20
Western Hemlock	61.0 MBF	X	\$143.80	=	\$8,771.80
Total	678.0 Mbf				\$180,051.00 ÷ 19.0 acres = \$9,476.37/Acre

Unit 3

Douglas Fir	520.0 MBF	X	\$277.60	=	\$144,352.00
Western Hemlock	51.0 MBF	X	\$143.80	=	\$7,333.80
Total	571.0 Mbf				\$151,685.80 ÷ 16.0 acres = \$9,480.36/Acre

Unit 4

Douglas Fir	812.0 MBF	X	\$277.60	=	\$225,411.20
Western Hemlock	80.0 MBF	X	\$143.80	=	\$11,504.00
Total	892.0 Mbf				\$236,915.20 ÷ 25.0 acres = \$9,476.61/Acre

Unit 5

Douglas Fir	1,137.0 MBF	X	\$277.60	=	\$315,631.20
Western Hemlock	112.0 MBF	X	\$143.80	=	\$16,105.60
Total	1249.0 Mbf				\$331,736.80 ÷ 35.0 acres = \$9,478.19/Acre

Unit 6

Douglas Fir	5,716.0 MBF	X	\$277.60	=	\$1,586,761.60
Western Hemlock	564.0 MBF	X	\$143.80	=	\$81,103.20
Total	6280.0 Mbf				\$1,667,864.80 ÷ 176.0 acres = \$9,476.50/Acre

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

EXHIBIT B / PRE-SALE

5450-3

Contract No.

ORS05-TS-2016.0301

Rowell Creek

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**.

Unit 7

Douglas Fir	1,883.0 MBF	X	\$277.60	=	\$522,720.80
Western Hemlock	186.0 MBF	X	\$143.80	=	\$26,746.80
Total	2069.0 Mbf				\$549,467.60 ÷ 58.0 acres = \$9,473.58/Acre

Unit RW1

Douglas Fir	816.0 MBF	X	\$277.60	=	\$226,521.60
Western Hemlock	69.0 MBF	X	\$143.80	=	\$9,922.20
Western Redcedar	4.0 MBF	X	\$470.80	=	\$1,883.20
Total	889.0 Mbf				\$238,327.00 ÷ 15.0 acres = \$15,888.47/Acre

Unit RW2

Douglas Fir	219.0 MBF	X	\$277.60	=	\$60,794.40
Western Hemlock	26.0 MBF	X	\$143.80	=	\$3,738.80
Total	245.0 Mbf				\$64,533.20 ÷ 3.0 acres = \$21,511.07/Acre

Unit RW3

Douglas Fir	168.0 MBF	X	\$277.60	=	\$46,636.80
Western Hemlock	8.0 MBF	X	\$143.80	=	\$1,150.40
Total	176.0 Mbf				\$47,787.20 ÷ 3.0 acres = \$15,929.07/Acre

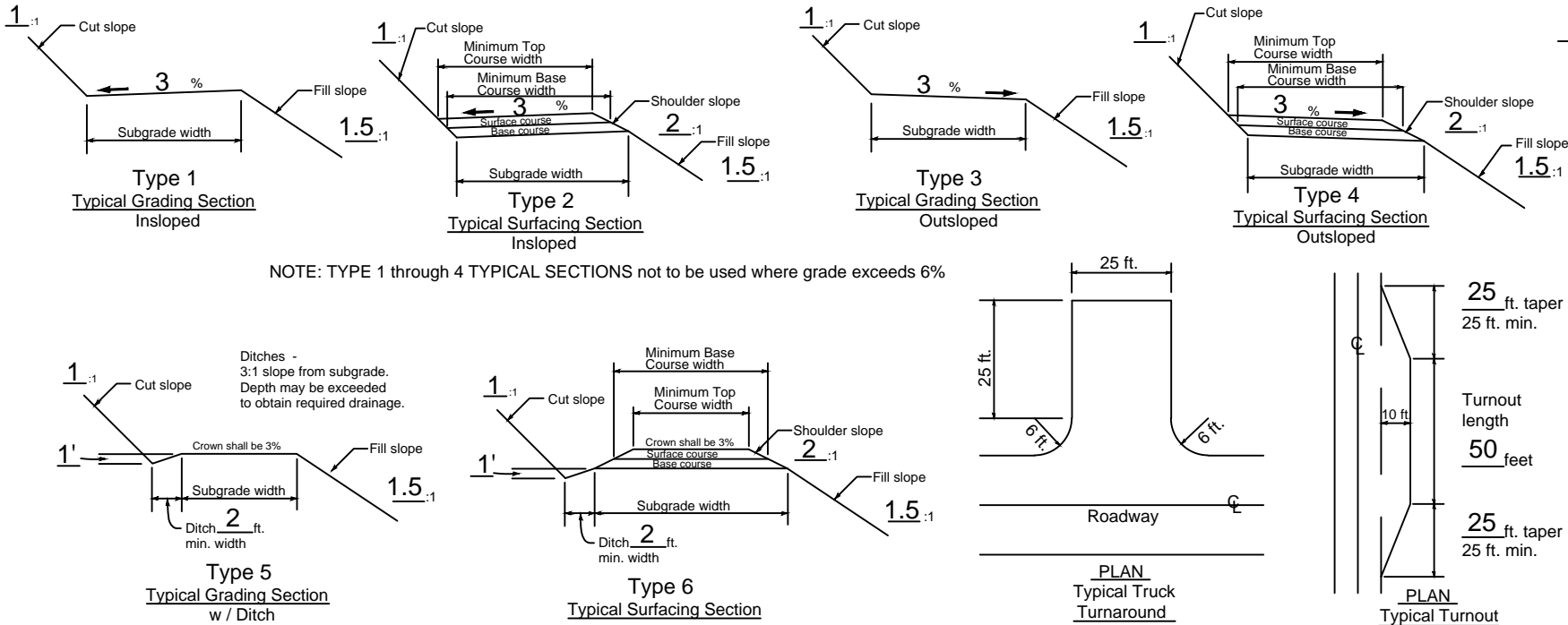
Unit RW4

Douglas Fir	102.0 MBF	X	\$277.60	=	\$28,315.20
Western Hemlock	5.0 MBF	X	\$143.80	=	\$719.00
Total	107.0 Mbf				\$29,034.20 ÷ 2.0 acres = \$14,517.10/Acre

150: ROAD PLAN AND DETAIL SHEET

ROAD NUMBER	STATION OR MILE POST	TO STATION OR MILE POST	LENGTH mi. or sta.	TYPICAL SECTION TYPE	ALIGNMENT Minimum Radius of Curve	ROAD WIDTH (*1 & 4)		GRADIENT		CLEARING WIDTH (*7)				SURFACING (*5)										REMARKS	
						Subgrd.	Ditch	Maximum Favorable	Maximum Adverse	Beyond		Existing roads (*6)		BASE COURSE					SURFACE COURSE						
										Top Cut	Toe Fill	L		R	Minimum Width	Comp. Depth	Surface Type (*3)	Grading Size (*3)	No. of Lifts	Minimum Width	Comp. Depth	Surface Type (*3)	Grading Size (*3)		No. of Lifts
6-8-36.0	0.00	1.00	0.95	4	-	16	0	18%	18%	-	-	-	-	15	8	ABC	A	2	-	-	-	-	-		
6-8-36.0	27+50	30+00	0.05	6	-	16	1	18%	18%	-	-	-	-	15	8	ABC	A	2	14	6	ASC	C	1	Ditch template and cross-drain on grade	
7-8-1.0	0.00	0.55	0.55	4	-	16	0	18%	18%	-	-	-	-	15	8	ABC	A	2	-	-	-	-	-		
7-8-2.0	1.60	1.95	0.35	4	-	16	0	18%	18%	-	-	-	-	15	8	ABC	A	2	-	-	-	-	-		
7-8-11.0	0.00	0.06	0.06	4	-	16	0	18%	18%	-	-	-	-	-	-	-	-	-	15	6	ASC	C	1		
R1	0.00	0.32	0.32	6	-	14	1	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-		
P SPUR	0+00	25+75	0.49	4	-	14	0	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-		
P1	0+00	5+50	0.10	6	-	14	1	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-		
P2	0+00	15+62	0.30	6	-	14	1	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-		
P3	0+00	1+90	0.04	4	-	14	0	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-		
P4	0+00	7+00	0.13	4	-	14	0	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-		
P5	0+00	7+50	0.14	6	-	14	1	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-		
P5	7+50	12+20	0.09	4	-	14	0	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-		
P6	0+00	17+35	0.33	6	-	14	1	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-		
P7	0+00	28+60	0.54	6	-	14	1	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-	Transition to outslope from 8+80 to 18+80	
P8	0+00	13+10	0.25	6	-	14	1	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-		
P9	0+00	5+35	0.10	4	-	14	0	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-		
P10	0+00	18+45	0.35	6	-	14	1	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-		
P11	0+00	3+80	0.07	4	-	14	0	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-	As needed: ditch template with ditch-outs	
P12	0+00	14+00	0.27	6	-	14	1	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-		
P13	0+00	7+05	0.13	4	-	14	0	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-		
P14	0+00	4+00	0.08	6	-	14	1	18%	18%	-	-	-	-	13	8	ABC	A	2	-	-	-	-	-	Outslope from 0+00 to 1+00	
-36.0/-1.0 TIE	0+00	7+20	0.14	6	-	16	1	18%	18%	-	-	-	-	15	8	ABC	A	2	-	-	-	-	-		

Note: Maintenance rock of 800 cy, meeting Section 1000 specifications, shall be placed on haul route throughout the life of the timber sale. Not required for road acceptance under Section 18 of this contract.



*NOTES

- Extra subgrade widths**
Add to each shoulder: 1 foot for fills of 1 to 6 feet. Widen inside or outside shoulder of tight curves as needed for log trucks to maneuver, with tires remaining on roadbed.
- 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%.
- Surface type**

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

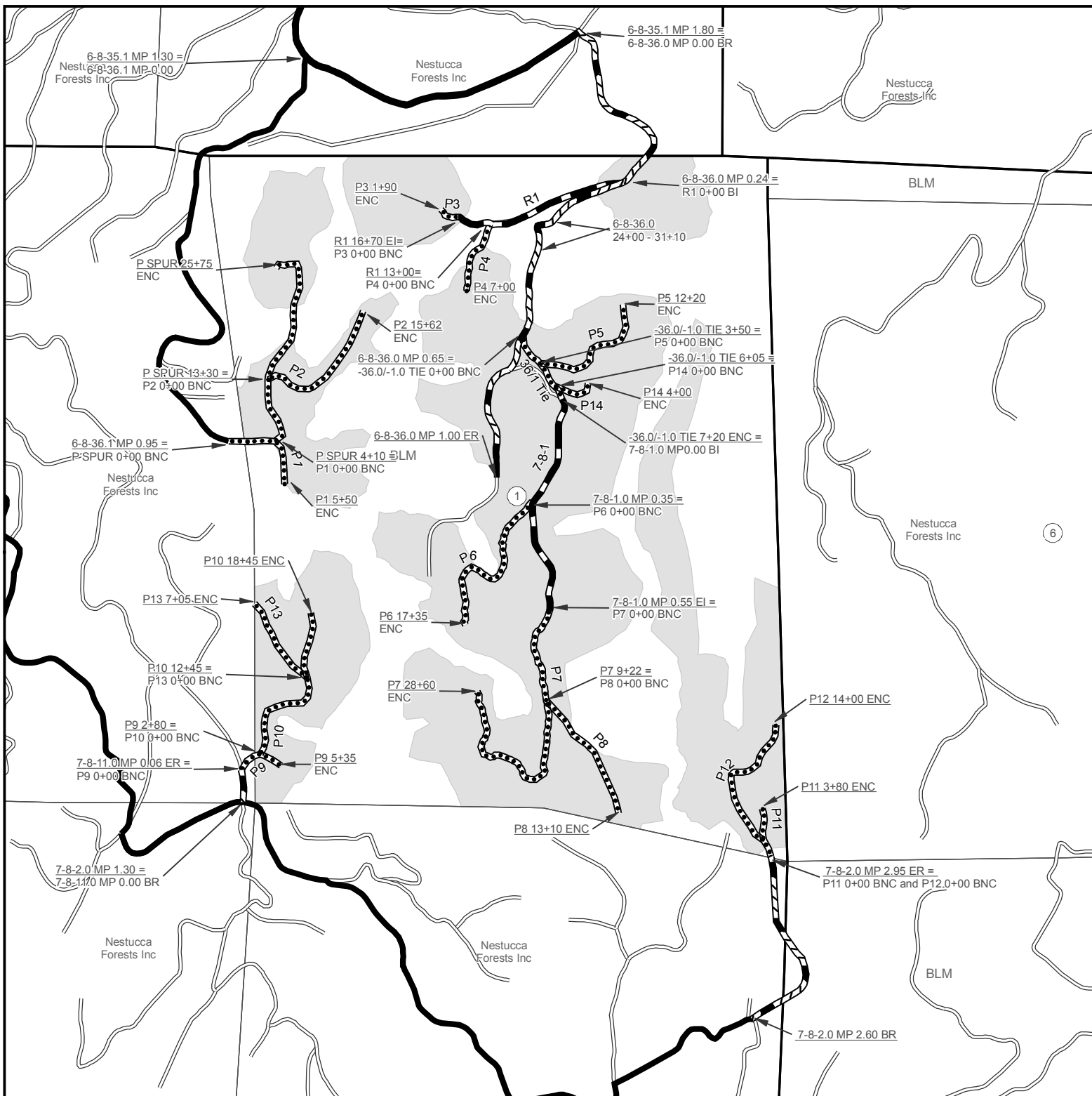


United States Department of the Interior
BUREAU OF LAND MANAGEMENT

ROAD PLAN MAP

T. 7 S., R. 8 W., Section 1 W.M.

EXHIBIT C
Sale Name: Rowell Creek TS
ORS05-TS-2016.0301
Sheet 35 of 35



- Haul Routes
- Road to be Constructed
- Road to be Improved
- Road to be Renovated
- Existing Road
- Rowell Creek Project Location

- BR Begin Renovation
- ER End Renovation
- BI Begin Improvement
- EI End Improvement
- BNC Begin New Construction
- ENC End New Construction

0 1,000 2,000
Feet

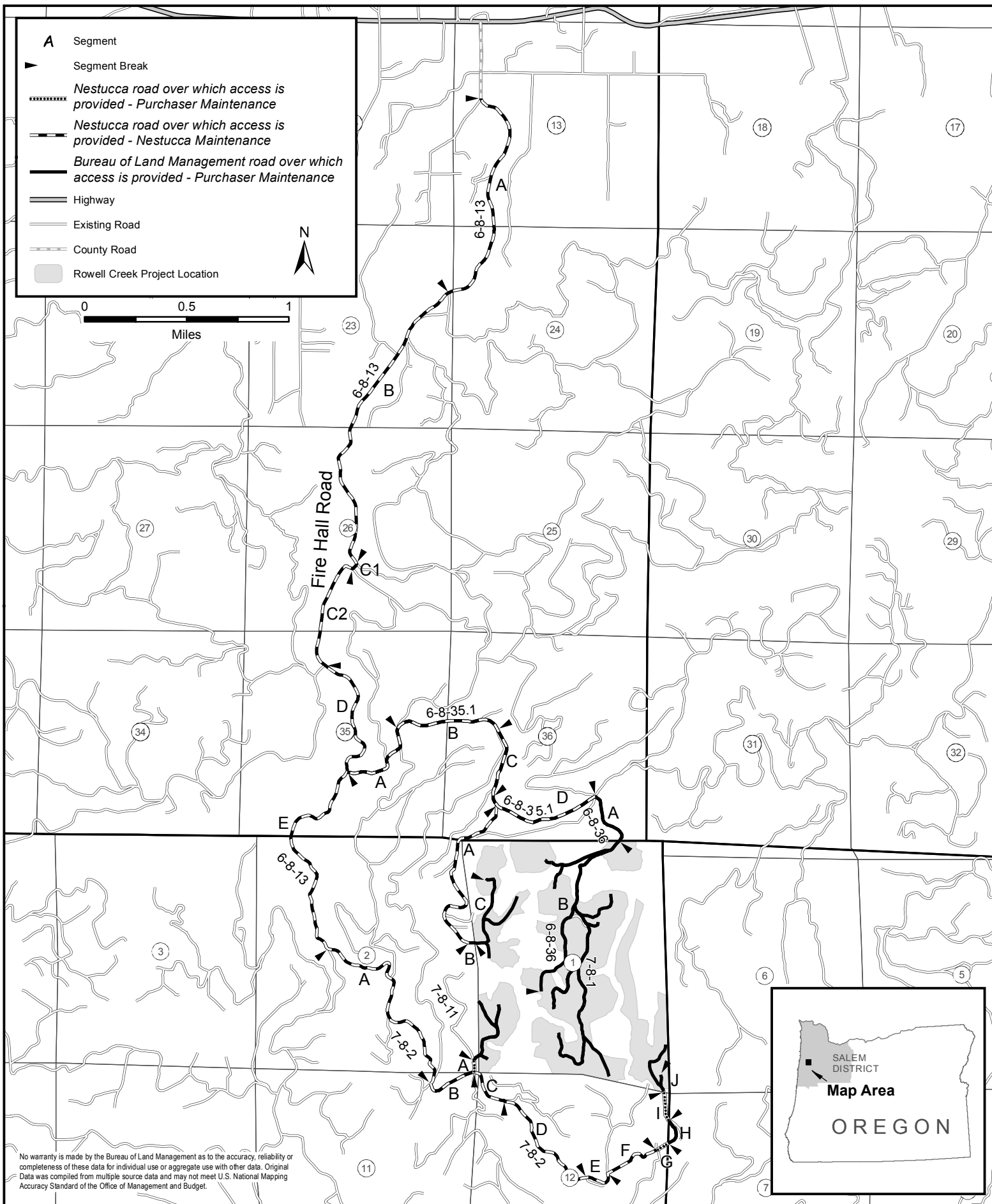


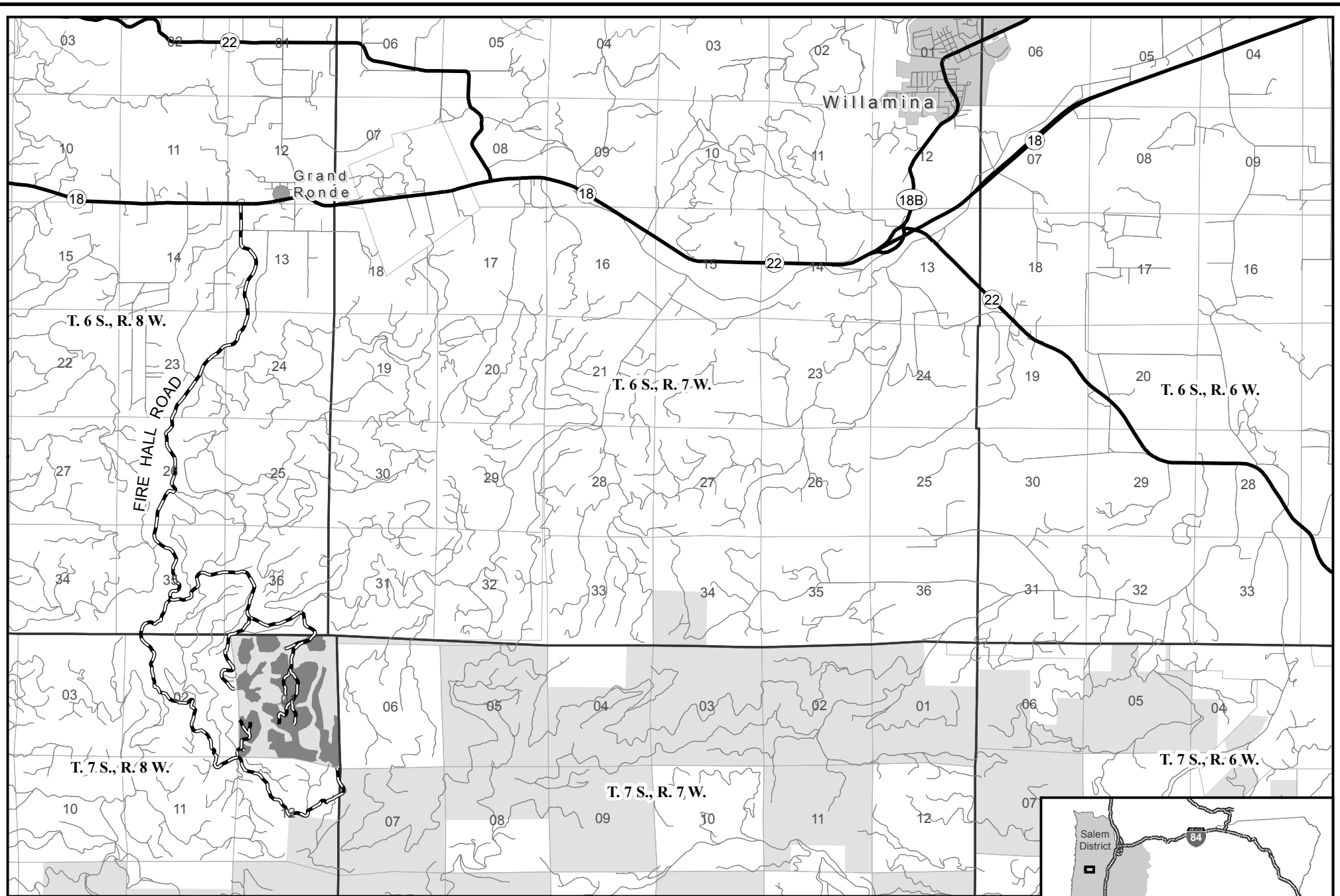









United States Department of the Interior
BUREAU OF LAND MANAGEMENT
ROAD USE AND MAINTENANCE MAP

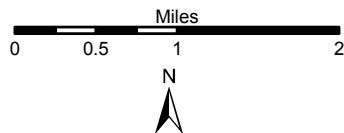
T. 7 S., R. 8 W., Section 1 W.M.

Rowell Creek TS
ORS050-TS-2016.0301
EXHIBIT E



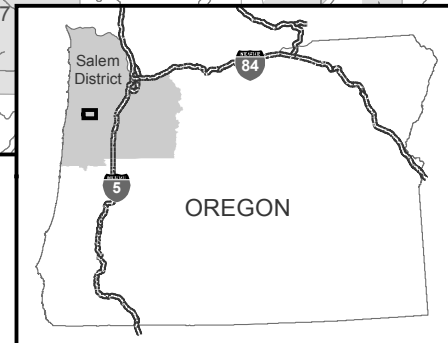


-  Rowell Creek Project Location
-  State Highway
-  Project Access
-  Other Road
-  Small City or Town
-  City or Town
-  BLM land



United States Department of the Interior
Bureau of Land Management
ROWELL CREEK VICINITY MAP
Salem District - Oregon
T. 7 S., R. 8 W., Section 1 W.M.

No warranty is made by the Bureau of Land Management as to the accuracy, reliability, or completeness of these data for individual or aggregate use with other data. Original data were compiled from various sources and may be updated without notification. 12/22/2015



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

Salem
Rowell Creek
ORS05-TS-2016.301

Legal Description

Forest Type	Township	Range	Section	Subdivision
O&C	7S	8W	1	Lot 5,6,7,8,9,10,11,12,13,14,15,16,17,18, W1/2 SW1/4

Cutting Volume (16' MBF)

Unit	DF	WH	WRC						Total	Regen	Partial	ROW
1	487	48							535	0	15	0
2	617	61							678	0	19	0
3	520	51							571	0	16	0
4	812	80							892	0	25	0
5	1,137	112							1,249	0	35	0
6	5,716	564							6,280	0	176	0
7	1,883	186							2,069	0	58	0
RW1	816	69	4						889	0	0	15
RW2	219	26							245	0	0	3
RW3	168	8							176	0	0	3
RW4	102	5							107	0	0	2

Totals	12,477	1,210	4						13,691	0	344	23
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**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

Salem
Rowell Creek
ORS05-TS-2016.301

Logging Costs per 16' MBF

Stump to Truck	\$	110.81
Transportation	\$	39.03
Road Construction	\$	41.15
Road Amortization	\$	2.00
Road Maintenance	\$	17.71

Other Allowances :

Equipment Washing	\$ 0.03
Grass Seeding	\$ 0.02
Misc	\$ 0.14
Water Bars/ Berms	\$ 0.03
Total Other Allowances :	\$ 0.22

Total Logging Costs per 16' MBF

\$ 210.93

Utilization Centers

Center #1 : Willamina OR 25 Miles
Center #2 0 Miles
Weighted distance to Utilization Centers 25

Length of Contract

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

Profit & Risk

Total Profit & Risk	10 %
Basic Profit & Risk	10 % + Additional Risk 0 %
Back Off	0 %

Tract Features

Avg Log	Douglas-fir : 71 bf	All : 68 bf
Recovery	Douglas-fir : 96 %	All : 96 %
Salvage	Douglas-fir : 0 %	All : 0 %
Avg Volume (16' MBF per Acre)		37
Avg Yarding Slope		35 %
Avg Yarding Distance (feet)		238
Avg Age		65
Volume Cable		65 %
Volume Ground		35 %
Volume Aerial		0 %
Road Construction Stations		186.67
Road Improvement Stations		45.94
Road Renovation Stations		74.45
Road Decommission Stations		0.00

Cruise

Cruised By	BrianW. Barclay
Date	10/08/2015
Type of Cruise	VP and 100%
County, State	Polk, OR

Net Volume

Green (16' MBF)	13,691
Salvage (16' MBF)	0
Douglas-fir Peeler	0
Export Volume	0
Scaling Allowance (\$0.00 per 16' MBF)	\$0.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Salem
Rowell Creek
ORS05-TS-2016.301

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	34,110	12,477	\$ 542.81	\$ 54.28	\$ 210.93			\$ 277.60	\$ 3,463,615.20
WH	7,176	1,210	\$ 394.20	\$ 39.42	\$ 210.93			\$ 143.80	\$ 173,998.00
WRC	38	4	\$ 757.50	\$ 75.75	\$ 210.93			\$ 470.80	\$ 1,883.20
Totals	41,324	13,691							\$ 3,639,496.40

Log Code by Percent

Species	Code #1	Code #2	Code #3	Code #4	Code #5	Code #6
Douglas-fir				65.0	31.0	4.0
Western Hemlock				36.0	56.0	8.0
Western red-cedar						100.0

Marginal Log Volume

Species	Grade #7	Grade #8
Douglas-fir		
Western Hemlock		
Western red-cedar		

Appraised By : Barclay, Brian

Date : 11/04/2015

Area Approval By : Barclay, Brian

Date : 11/04/2015

District Approval By :

Date :

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

Salem
Rowell Creek
ORS05-TS-2016.301

Prospectus

Appraisal Method : (16' MBF)

Species	Trees	Net Volume 16' MBF	Net Volume 32' MBF	Net Volume CCF
Douglas-fir	34,110	12,477	10,257	
Western Hemlock	7,176	1,210	975	
Western red-cedar	38	4	3	
Total	41,324	13,691	11,235	

All Species

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
14,281	41,324	345	15.7	14,250	209,445	68

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
209,445	865	210,310	5.1	13,691	14,281	96 %

Douglas-fir

Gross Volume	Number Trees	Avg bf Volume Per Tree	DBH	Gross Merch Volume	Merch Logs	Avg bf Gross Merch Log
12,986	34,110	380	16.8	12,961	182,153	71

Merch Logs	Cull Logs	Total Logs	Logs per Tree	Net Volume	Gross Volume	Recovery
182,153	367	182,520	5.4	12,477	12,986	96 %

Cutting Areas

Unit	Regen Acres	Partial Cut Acres	Right Of Way Acres	Total Acres
1		15		15
2		19		19
3		16		16
4		25		25
5		35		35
6		176		176
7		58		58
RW1			15	15
RW2			3	3
RW3			3	3
RW4			2	2
Totals :		344	23	367