

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

Groovy Tunes Timber Sale
ORN01-TS-2019.0103
Date: July 22, 2019

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 NORTHWEST OREGON 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 his 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, August 21, 2019.

THIS TIMBER SALE NOTICE does not constitute the decision document for purposes of protest and appeal of a forest management decision. Consistent with 43 CFR Subpart 5003-Administrative Remedies, the notice of a timber sale, when published as a legal ad in a newspaper of general circulation shall constitute the decision document for purposes of protest and appeal. Protests may be filed with the Contracting Officer within 15 days of the publication of the aforementioned decision document in the newspaper. It is anticipated that the decision document will be published in the Albany Democrat Herald on or about July 24, 2019. BLM does not warrant publication on this exact date. All parties considering protest of the timber sale decision document are encouraged to review the aforementioned newspaper to ensure accurate knowledge of the exact publication date.

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 Northwest Oregon 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 MODIFICATION, SUSPENSION OR 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 to prevent incidental take of northern spotted owls in accordance with management direction in the Record of Decision (ROD) and Resource Management Plan (RMP), or; (2) Comply with a court order, or; (3) Protect species which were identified for protection through survey and manage and/or protection buffer standards and guidelines or management direction established in the ROD and RMP.

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: <https://www.blm.gov/or/resources/forests/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 Northwest Oregon District Office at 503-375-5646.

Attachments:

Form 5450-17

Form 5430-11

Form 5440-9

TIMBER SALE NOTICE

NORTHWEST OREGON DISTRICT
CASCADES FIELD OFFICE
SALEM DISTRICT MASTER UNIT

SALE DATE: August 21, 2019

CONTRACT NO. ORN01-TS-2019.0103, GROOVY TUNES TIMBER SALE
LINN COUNTY, OREGON: O&C: ORAL AUCTION: BID DEPOSIT REQUIRED: \$382,700.00

All timber designated for cutting on: SE1/4SW1/4, NE1/4SE1/4, S1/2SE1/4 Section 29, Section 33, T. 11 S., R. 1 E., 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
17,330	10,200	Douglas-fir	12,472	\$297.30	\$3,707,925.60
7,051	393	big-leaf maple	549	\$58.90	\$32,336.10
1,471	256	western hemlock	321	\$156.60	\$50,268.60
329	159	grand fir	198	\$162.00	\$32,076.00
8	4	western red cedar	5	\$472.00	\$2,360.00
7	4	incense-cedar	5	\$331.20	\$1,656.00
26,196	11,016		13,550		\$3,826,622.30

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 Harvest Area were based on a variable plot cruise for estimating the board foot volume of trees. Plots were measured using a 40 basal factor in the Regeneration Harvest Area and a 20 basal factor in the Partial Harvest Area. Approximately 0% of the total sale volume is salvage material. With respect to merchantable trees of all species; the average tree is 19.5 inches DBHOB; the average log contains 103 bd. ft.; the total gross volume is approximately 14,295 MBF; and 95% recovery is expected.

CUTTING AREA: 263 acres of Regeneration Harvest Area, 57 acres of Partial Harvest Area, and 10 acres of Right-of-Way, totaling 330 acres. Acres shown on Exhibit A have been computed using a Trimble 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: For access to the sale area please refer to the Timber Sale Vicinity Map and Exhibit E.

ACCESS AND ROAD MAINTENANCE:

Gate keys are required for access. Prospective bidders may obtain a 4C17 key from the Northwest Oregon District office in Salem, Monday through Friday from 8:00 a.m. to 4:00 p.m. CREDIT CARD is required at the time of checking out a key. A \$50.00 charge will apply if key is not returned.

The Purchaser shall pay the Government a rockwear fee of five-thousand nine-hundred thirty-seven and 66/100 dollars (\$5,937.66), for the transportation of timber in this contract.

In the use of Franklin-Clarkson Timber Co, LLC, c/o Campbell Global, LLC controlled roads which the Purchaser is authorized to use, the Purchaser shall enter into a license agreement with Franklin-Clarkson Timber Co, LLC and pay all fees prior to hauling to Franklin-Clarkson Timber Co, LLC. The Purchaser shall pay a road use fee of three-thousand nine-hundred ninety-six and 00/100 dollars (\$3,996.00), the Purchaser shall maintain all Franklin-Clarkson Timber roads authorized of use and pay a rockwear fee of one-thousand five-hundred fifty-eight and 44/100 dollars (\$1,558.44). The Purchaser will be required to carry liability insurance with limits of \$1,000,000/\$1,000,000/\$1,000,000 and a performance bond of \$2,000. The Purchaser shall pay Franklin-Clarkson Timber Co, LLC for right-of-way timber on road construction and material source development in the amount of nine-hundred sixty-two and 70/100 dollars (\$962.70) for 2 MBF.

In the use of Weyerhaeuser Company controlled roads which the Purchaser is authorized to use, the Purchaser shall enter into a license agreement with Weyerhaeuser Company and pay prior to hauling to Weyerhaeuser a road use fee of nineteen-thousand two-hundred and 00/100 dollars (\$19,200.00), a road maintenance fee of ten-thousand one-hundred twenty-three and 20/100 dollars (\$10,123.30) and a rockwear fee of six-thousand three-hundred ninety-three and 60/100 dollars (\$6,393.60). The Purchaser will be required to carry liability insurance with limits of \$1,000,000/\$1,000,000/\$1,000,000 and a performance bond of \$2,000.

In the use of Merceil M. Alley Revocable Living Trust the Purchaser shall enter into a license agreement with Merceil M. Alley Revocable Living Trust and construct a road on the property, deck any trees cut within right-of-way outside of right-of-way or from the culvert replacement and reestablish the fence. The Purchaser will be required to carry liability insurance with limits of \$1,000,000/\$1,000,000/\$1,000,000 and a performance bond of \$500.00.

The Purchaser shall comply with the conditions of an easement with Earl and Sherri Ellis for the replacement of culvert on P15 = 11-1E- 29. Any trees which need to be cut on Ellis property for culvert replacement, Purchaser must secure written authorization from land owner.

Purchaser shall develop a rock pit on BLM located in Township 11 South, Range 1 East, Section 35 for material to be developed, hauled and placed on BLM roads. Roads used only for rock haul shall be maintained by Purchaser and are controlled by either Weyerhaeuser Company or BLM.

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

Road Construction:

P1, Road 11-1E-33.4, 820 feet, 14-foot subgrade, no ditch, Surfacing – dirt
P2, Road 11-1E-33.7, 920 feet, 14-foot subgrade, no ditch, Surfacing - dirt
P3, Road 11-1E-33.8, 1120 feet, 14-foot subgrade, no ditch, Surfacing - dirt
P5, Road 11-1E-33.9, 815 feet, 14-foot subgrade, no ditch, Surfacing - dirt
P6, Road 11-1E-33.10, 1035 feet, 14-foot subgrade, no ditch, Surfacing - dirt
P7, Road 11-1E-33.11, 475 feet, 14-foot subgrade, no ditch, Surfacing – dirt
P8, Road 11-1E-33.12, 645 feet, 14-foot subgrade, no ditch, Surfacing – dirt
P9, Road 11-1E-33.13, 1760 feet, 14-foot subgrade, no ditch, Surfacing – dirt
P10, Road 11-1E-33.14, 540 feet, 14-foot subgrade, no ditch, Surfacing – dirt
P12, Road 11-1E-33.15, 965 feet, 14-foot subgrade, no ditch, Surfacing – dirt
P13, Road 11-1E-28.1, 1200 feet, 14-foot subgrade, no ditch, Surfacing - dirt
P14, Road 11-1E-29.3, 535 feet, 14-foot subgrade, no ditch, Surfacing - dirt
P15, Road 11-1E-29, 3096 feet, 14-foot subgrade, no ditch, Surfacing – Pit Run from 0 - 1430 feet, dirt from 1430 – 3096 feet
P16, Road 11-1E-29.1, 465 feet, 14-foot subgrade, no ditch, Surfacing - dirt
P17, Road 11-1E-29.2, 750 feet, 14-foot subgrade, no ditch, Surfacing - dirt
P18, Road 11-1E-29.4, 310 feet, 14-foot subgrade, no ditch, Surfacing - dirt
P19, Road 11-1E-33.4, 920 feet, 14-foot subgrade, no ditch, Surfacing – dirt
P20, Road 11-1E-33.5, 220 feet, 14-foot subgrade, no ditch, Surfacing - dirt
P21, Road 11-1E-33.3, 275 feet, 14-foot subgrade, no ditch, Surfacing – dirt

***Note:** Any dirt spur listed above may be rocked at Purchasers expense.*

Road Improvement:

Junction of 11-1E-21.0 and 11-1E-27.4, 250 feet, 22-foot subgrade, Surfacing – Pit Run and 3 inch minus, Usable width 20 feet.

Renovation:

Renovate 4.46 miles of road which include but not limited to brushing, blading, rolling, cleaning ditch, clean existing culverts, rocking roads and spot rock.

Estimated Quantities:

Clearing:

8.8 acres of new construction

0.04 acres of road improvement

Excavation:

9620 cubic yards of common

180 cubic yards of end haul

Culvert and Flume:

46 feet of 48 inch CMP, 14 gauge

Aggregate Material:

<u>Quantity</u>	<u>Description</u>
240 cubic yards	1 ½ minus crushed rock – spot rock
7 cubic yards	¾ minus crushed rock – culvert bedding
420 cubic yards	1 ½ minus crushed rock – maintenance rock
5834 cubic yards	Pit run
20 cubic yards	Riprap, Class 2

Rock Source:

Commercial Source for the Rip Rap, 1½ inch minus and ¾ inch minus

BLM Rock Source for Pit Run and quarry development

Watering: as needed to process material

Rolling: 6 hours per station

Miscellaneous Items:

Right-of-way Debris Disposal:

Debris shall be disposed of by scattering on government land. Material from P13, P15 and material source for P13 on private land shall be hauled to BLM for disposal by scattering.

In-water work window is June 1 – October 15.

Other:

Installation of gates: two sets of double gates, and one single gate. Fence replacement with post and fencing with like material on ground. Attach fence to new gate installs.

One gate at BLM property line on P15 road will become property of Purchaser. Other gate removal will be placed and set aside for landowner to use.

Purchaser shall pay and complete a driveway access permit with Linn County for construction of

the P15. Purchaser shall also contact Utility Locate before any work begins on P15.

All new construction roads shall be left in a maintenance free condition by constructing a combination of gates, barricades, water bars and/or drain dips.

SPECIAL ATTENTION ITEMS:

- Sec. 41.a-d. Reserved Timber
- Sec. 42.g-j. Seasonal Restrictions
- Sec. 42.l. Optional rocking of natural surface roads
- Sec. 42.u. Quarry Development and Use
- Sec. 42.x. Topping and Girdling

Seasonal Restriction Matrix

Seasonal Restriction	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
No blasting (42.j.).												
Skidding operations (42.g.).												
No road construction, decommissioning, stabilizing or hauling on natural surface roads (42.h.).												
No in-stream work (42.i.).												
<div> <div>Operations Restricted</div> <div>No Restrictions</div> </div>												

Sec. 41. Reserved

- a. All timber in the Reserve Area shown on Exhibit A and all orange painted trees which are on or mark the boundaries of the Reserve Area.
- b. All orange painted trees within the Unit Boundary shown on Exhibit A.
- c. All timber within the areas posted as Leave Island as shown on Exhibit A.
- d. All existing snags and down logs which do not present a safety hazard as determined by the Authorized Officer. Snags felled for safety reasons shall be retained on site.

Sec. 42. Special Provisions

LOGGING

- a. 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 they plan to begin operations. The Purchaser shall also notify the Authorized Officer in writing if they intend to cease operations for any period of seven (7) or more days.
- 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 ensure protection of the environment and watershed. A pre-work conference between the Purchasers authorized representative and the Authorized Officer must be held at a location designated by the Authorized Officer before the logging plan will be approved. All logging shall be done in accordance with the plan developed by this provision.
- c. At harvest unit landings, all logs, more than eight (8) inches in diameter at the large end and exceeding eight (8) feet in length shall be decked at the location designated by the Authorized Officer except logs sold and removed from the Contract Area.
- d. In all Harvest Areas – All yarding shall be done by equipment capable of transporting the leading end of logs clear of the ground and operated entirely on designated skid roads and/or skyline corridors. Before felling and yarding any timber, except road right-of-way timber, the Purchaser shall locate designated skid trails and/or skyline corridors as follows:
 1. Identify the location of designated skid roads and/or skyline corridors in a method approved by the Authorized Officer.
 2. Space designated skid roads and/or skyline corridors at a minimum of one-hundred and fifty (150) feet apart on one end unless otherwise agreed to in writing by the Authorized Officer.
 3. Ground-based operations are limited to slopes of thirty-five (35) percent or less. Ground-based operations may be approved on slopes up to fifty (50) percent when using specialized equipment, operating on previously constructed skid trails, or accessing isolated areas over steep pitches.

4. In areas where skyline yarding is necessary near stream channels, full suspension yarding is required within fifty (50) feet each side of the stream channel.

e. Before cutting and removing any trees necessary to facilitate logging in the Partial Harvest Areas shown on Exhibit A, the Purchaser shall identify the location of skid trail, skyline corridors; tailhold, tieback, guyline, lift, intermediate support, and the clearing limits of landings on the ground in a manner approved by the Authorized Officer at the pre-work conference and documented in the logging plan required in Sec. 42.b. 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 trails and/or skyline corridors upon which timber is identified by the Purchaser to be cut and removed in accordance with this special provision must be necessary for the safe and expeditious removal of timber sold under this contract and shall be limited to the minimum width necessary for yarding of logs with a minimum of damage to reserve trees, however, unless otherwise approved in writing by the Authorized Officer, the width of each skid trail and/or skyline corridor shall be limited to twelve (12) feet.

2. The Purchaser may immediately cut and remove additional timber to clear skid trails, skyline corridors; and provide tail hold, tieback, guyline, lift and intermediate support trees; and clear danger trees when the trees have been marked with a non-reserve color of 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 the trees otherwise reserved in Sec. 41 of the contract or any tree that exceeds forty-eight (48) 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 Sec. 10 of the contract constitutes a violation of the contract and under Sec. 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.

f. Excessive damage to the Reserve timber, as determined by the Authorized Officer, will result in suspension of operation until mitigation measures are in place to prevent further damage as directed by the Authorized Office.

g. No skidding between December 1st of one calendar year and March 31st of the following calendar year, both days inclusive, or during other periods of wet weather. This may be shortened or extended as determined by the Authorized Officer.

h. No road construction, road stabilizing, decommissioning or hauling on natural surface roads shall be conducted between December 1st of one calendar year and April 30th of the following calendar year, both days inclusive. This may be shortened or extended as determined by Authorized Officer.

i. No in-stream work shall be conducted between October 16th of one calendar year and May 31st of the following calendar year, both days inclusive, to protect water quality.

j. No blasting shall be conducted from March 1st thru July 15th, both days inclusive, due to nesting and breeding season of the Northern Spotted Owl, unless approved by the Authorized Officer.

SAFETY

k. Purchaser's operations shall facilitate BLM's safe and practical inspection of Purchaser's operations and BLM's conduct of other official duties on Contract Area. Purchaser has all responsibility for compliance with safety requirements for Purchaser's employees, contractors and subcontractors.

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

Unless otherwise specified in writing, when operations are in progress adjacent to or on roads and/or trails in the harvest unit area, Purchaser shall furnish, install, and maintain all temporary traffic controls that provide the road or trail user with adequate warning of and protection from hazardous or potentially hazardous conditions associated with its operations. Purchaser shall prepare a Traffic Control Plan, which the Purchaser has determined is compliant with state and local OSHA and Transportation standards no later than the pre-work meeting and prior to commencing operations. Traffic control devices shall be appropriate to current operating and/or weather conditions and shall be covered or removed when not needed. Flaggers and devices shall be as specified in state OSHA and Transportation standards for logging roads or the "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD) published by the U.S. Department of Transportation - Federal Highway Administration. Included in the Traffic Control Plan, Purchaser shall note traffic control device locations on a Purchaser produced copy of the Exhibit A Map.

ROAD CONSTRUCTION, MAINTENANCE, AND USE

l. The Purchaser shall construct 3.19 miles, renovate 4.46 miles, and improve 250 feet of roads in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made apart hereof. All natural surface roads may be rocked at Purchaser's expense with approval from Authorized Officer. Any required construction, renovation, or improvement of structures and roads shall be completed and accepted, in accordance with Section 18, prior to the removal of any timber, except right-of-way timber, over that road. The Purchaser shall not commence work until receipt of notice to do so from the Authorized Officer. Work shall commence no later than thirty (30) days after such notice and shall be completed within six (6) months after such notice.

m. The Purchaser is authorized to use the roads listed below and shown on Exhibit E for the removal of Government timber sold under the terms of this contract and/or the hauling of rock as required in Exhibit C, provided that the Purchaser pay the required maintenance and rockwear obligations described in Section 42.n., Section 42.p. and Section 42.q. Any road listed on Exhibit E and requiring construction, improvement, or renovation in Exhibit C of this contract, shall be maintained by the Purchaser until receiving written acceptance of the construction, improvement, or renovation from the Contracting Officer. The Purchaser shall pay current Bureau of Land Management rockwear fees for the sale of additional timber under modification to the contract.

Road No. and Segment	Length Miles Used	Road Control	Road Surface Type
11-1E-33.4 (P1) all	0.16	BLM	NATURAL
11-1E-33.7 (P2) all	0.17	BLM	NATURAL
11-1E-33.8 (P3) all	0.21	BLM	NATURAL
11-1E-33.9 (P5) all	0.15	BLM	NATURAL
11-1E-33.10 (P6) all	0.20	BLM	NATURAL
11-1E-33.11 (P7) all	0.09	BLM	NATURAL
11-1E-33.12 (P8) all	0.12	BLM	NATURAL
11-1E-33.13 (P9) all	0.33	BLM	NATURAL
11-1E-33.14 (P10) all	0.10	BLM	NATURAL
11-1E-33.15 (P12) all	0.18	BLM	NATURAL
11-1E-28.1 (P13) all	0.55	BLM	NATURAL
11-1E-29.3 (P14) all	0.09	BLM	NATURAL
11-1E-29 (P15) A-B	0.25	BLM	ASC
11-1E-29 (P15) C-D	0.31	BLM	NATURAL
11-1E-29.1 (P16) all	0.09	BLM	NATURAL
11-1E-29.2 (P17) all	0.14	BLM	NATURAL
11-1E-29.4 (P18) all	0.06	BLM	NATURAL
11-1E-33.4 (P19) all	0.17	BLM	NATURAL
11-1E-33.5 (P20) all	0.04	BLM	NATURAL
11-1E-33.3 (P21) all	0.08	BLM	NATURAL
11-1E-28 A-F	1.30	FRANKLIN-CLARKSON	ASC
11-1E-32 C	1.13	BLM	ASC
11-1E-33 A-F / G	1.07	BLM	ASC / NATURAL
11-1E-33.1 A-B	0.24	BLM	ASC
11-1E-33.1 C	0.24	BLM	NATURAL
11-1E-33.2 all	0.15	BLM	NATURAL
11-1E-21 A-B,D1	0.90	WEYCO	ASC
11-1E-21 C	0.98	BLM	ASC
11-1E-26 A	0.72	WEYCO	ASC
11-1E-26 B (part)	0.74	BLM	ASC
11-1E-35.2 A-B	0.51	BLM	ASC
11-1E-36.1 B (part)	0.11	BLM	ASC
11-1E-27.4 A (part)	0.74	BLM	ASC
11-1E-27.4 A (part)	1.21	WEYCO	ASC
11-1E-32 D (part)	0.57	WEYCO	ASC

n. The Purchaser shall pay the Government a rockwear fee of five-thousand nine-hundred thirty-seven and 66/100 dollars (\$5,937.66) for the transportation of timber included in this contract price over said roads.

o. Except for road maintenance in accordance with Section 42.p.(2), the Purchaser shall perform any required road repair and maintenance work on roads identified as Purchaser maintenance, under the terms of Exhibit D, Road Maintenance Specifications, of this contract, which is attached hereto and made a part hereof.

p. In the use of Road No. 11-1E-32, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. S-975 (Serial No. OR045540)_dated November 2, 1987, between the United States of America and Weyerhaeuser Company. This document is available for inspection at the Northwest Oregon District Office in Salem.

These conditions include:

(1) Payment of a road use obligation of Nineteen-thousand two-hundred and 00/100 dollars (\$19,200.00) for 9,600 MBF to Weyerhaeuser Company, payable at the time indicated in the License Agreement.

(2) Payment of a road maintenance obligation of Ten-thousand one-hundred twenty-three and 20/100 dollars (\$10,123.20) to Weyerhaeuser Company, payable at the time indicated in the License Agreement.

(3) Payment of a rockwear obligation of Six-thousand three-hundred ninety-three and 60/100 dollars (\$6,393.60) to Weyerhaeuser Company, payable at the time indicated in the License Agreement.

(4) Purchaser shall carry liability insurance coverages \$1,000,000/\$1,000,000/\$1,000,000 and performance bond of \$2000.00.

(5) Prior to the use of said roads, the Purchaser shall furnish the Authorized Officer a properly signed copy of the executed License Agreement.

(6) In the use of Road Nos. 11-1E-21, 11-1E-26, 11-1E-32 and 11-1E-34, the Licensee shall maintain these roads for rock haul used for the timber sale.

(7) 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.

(8) Contact Weyerhaeuser prior to signing license agreement on how they would like their gates managed during the timber sale activities for Hammond Mainline (11-1E-21) and Ford Mill (11-1E-32).

q. In the use of Road No. 11-1E-28, the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. S-743 (Serial No. OR045020) dated August 6, 1969, between the United States of America and Franklin-Clarkson Timber Co, LLC c/o Campbell Global, LLC. This document is available for inspection at the Northwest Oregon District Office in Salem.

These conditions include:

- (1) Payment of a road use obligation of Three-thousand nine-hundred ninety-six and 00/100 dollars (\$3,996.00) for 1,998 MBF to Franklin-Clarkson Timber Co. LLC, payable at the time indicated in the License Agreement.
- (2) Payment of a rockwear obligation of One-thousand five-hundred fifty-eight and 44/100 dollars (\$1,558.44) to Franklin-Clarkson Timber Co. LLC, payable at the time indicated in the License Agreement.
- (3) Road 11-1E-28 segments A – F shall be maintained by Purchaser.
- (4) Purchaser shall carry liability insurance coverages \$1,000,000/\$1,000,000/\$1,000,000 and performance bond of \$2000.00.
- (5) Prior to the use of said road, the Purchaser shall furnish the Authorized Officer a properly signed copy of the executed License Agreement.
- (6) Prior to cutting or removing any timber from road right-of-way between Stations 0+00 and 5+68 on Road No. P13 = 11-1E-28.1 and the material source, the Purchaser shall pay to Franklin-Clarkson Timber Co. LLC, the owner of the right-of-way timber, the total purchase price of Nine-hundred sixty-two and 70/100 dollars (\$962.70) for 2 MBF.
- (7) 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.
- (8) The gate controlled by Franklin-Clarkson Timber Co. LLC, on road 11-1E-28 will be left closed and locked unless prior approval for the gate has been granted to be left open for a specified set period of time.

r. In the use of Road No. 11-1E-29 (P15), the Purchaser shall comply with the conditions of Right-of-Way and Road Use Agreement No. S-1254 (Serial No. OR069522) dated February 6, 2019, between the United States of America and Marceil M. Alley Revocable Living Trust. This document is available for inspection at the Northwest Oregon District Office in Salem.

These conditions include:

- (1) Prior to the use of said road, the Purchaser shall furnish the Authorized Officer a properly signed copy of the executed License Agreement.

(2) Any trees cut within the Right-of-Way shall be decked at reasonable places along the right-of-way, as designated by Licensor. If trees are suitable for conversion into forest products shall be cut into lengths designated by Licensor.

s. In the use of Road No. P15 = 11-1E-29, the Purchaser shall comply with the conditions of Access Road Easement RE-S-1255 (Serial No. OR069222), dated March 20, 2019, between the United States of America and Earl and Sherri Ellis. This document is available for inspection at the Northwest Oregon District Office in Salem.

These conditions include:

(1) This easement is for access to replace the culvert on the haul route and install a new culvert of larger size. If any trees need to be cut within the easement Purchaser must secure written authorization to do so.

t. The Purchaser 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.

QUARRY DEVELOPMENT AND USE

u. The Purchaser shall develop a rock quarry, in strict accordance with the plans and specifications shown on Exhibit C, which is attached hereto and made a part hereof. Prior to the removal of any rock from the quarry shown on Exhibit C, the Purchaser shall follow the requirements in Section 1600 of Exhibit C of this contract. The required quarry development plan shall be given to the Authorized Officer a minimum of 7 days before commencing work. The Purchaser shall give the Authorized Officer a minimum of 10 working days to review the written blasting plan.

ENVIRONMENTAL PROTECTION

v. In order to prevent the spread of noxious weeds, the Purchaser shall pressure wash all earth disturbing equipment and logging equipment prior to entry onto BLM lands as directed by the Authorized Officer. Cleaning shall be defined as removal of all dirt, grease, plant parts and material that may carry noxious weed seeds. 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.

w. In addition to the requirements set forth in Sec. 26 of this contract, the Purchaser shall cover skid trails with logging slash and debris, install water bars or comparable erosion control measures, and block entrances or other created access points on the contract areas shown on Exhibit A as directed by the Authorized Officer. This work shall be completed within fifteen (15) days after completion of log hauling from each landing.

x. The Purchaser shall saw top eighty-nine (89), high girdle eighty-nine (89), and base girdle eighty-nine (89) green, reserve conifer trees as selected and directed by the Authorized Officer in Regeneration Harvest Areas shown on Exhibit A. Tree topping and base girdling shall be completed in accordance with Exhibit I of this contract. All topping and girdling operations shall be completed to the satisfaction of the Authorized Officer within one year after yarding is completed and within thirty (30) days after being notified by the Authorized Officer to commence topping and girdling operations.

y. 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 reinitiating 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 prevent incidental take of northern spotted owls in accordance with management direction in the 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. 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;
5. when, in order to comply with a court order, the Contracting Officer determines it may be necessary to modify or terminate the contract, or;
6. species have been discovered which were identified for protection in accordance with management direction established in the ROD and RMP, and the Contracting Officer determines that continued operations would affect the species or its habitat, or;
7. When, in order to protect species which were identified for protection in accordance with management direction established in the ROD and RMP, the Contracting Officer determines it may be necessary to modify or terminate the contract.

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

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

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

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

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

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

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

The Purchaser specifically and expressly waives any right to claim damages, other than those described in the preceding paragraphs, based on an alleged breach of any duty to the Purchaser, whether express or implied, in regard to the manner in which the Government defended the litigation which resulted in the court

order affecting the operation of the contract. This waiver also extends to any claims based on effects on the operation of the contract that arise from litigation against another agency. Furthermore, the Purchaser specifically acknowledges and agrees that a court ruling that the Government violated the Administrative Procedures Act cannot be interpreted, in itself, to mean that the Government had not acted reasonably in regard to its duties to the Purchaser under this contract.

FIRE PREVENTION

z. Primarily for purposes of fire prevention and control, the Purchaser shall, prior to the operation of power driven equipment in construction or logging operations under this contract during the fire season or periods of fire danger, prepare a fire prevention and control plan to the satisfaction of the Authorized Officer. Purchaser shall take such measures for prevention and suppression of fire on the contract area and other adjacent Government lands used or traversed by Purchaser in connection with operations as are required by applicable laws and regulations. However, when in the opinion of the Authorized Officer, weather and other conditions affecting fire incidence and control make special precautions necessary to protect the contract area and said Government lands, Purchaser shall take such additional or other fire prevention and control measures as may be required by the Authorized Officer. The Purchaser shall comply with Oregon Department of Forestry Industrial Fire Precaution Level (IFPL) I Fire Season requirements. 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.

LOGGING RESIDUE REDUCTION

aa. In addition to the requirements of Sec. 15 of this contract, and notwithstanding the Purchasers satisfactory compliance with State laws and regulations regarding offsetting or abating the additional fire hazard created by this operation and the States willingness to release the Purchaser from liability for such hazard, the Purchaser shall remain responsible to the Government for performance of the following hazard reduction measure(s) required by this contract: Perform logging residue reduction and site preparation work on approximately one-hundred seven (107) acres of Harvest Area located within harvest units. The required work shall consist of any treatment or combination of treatments, as determined by the Authorized Officer and specified in writing by the Contracting Officer. The number of acres of each treatment shall be determined by the Authorized Officer. Prior to commencement of any operation under this Section of the contract, a slash disposal and pre-work conference between the purchaser's representative and the Authorized Officer must be held at a location designated by the Authorized Officer. All slash disposal shall be done in accordance with the plans developed at this pre-work conference. Slash, as defined for this section, shall mean all material (brush, limbs, tops, unmerchantable stems, and chunks) severed or knocked over as a result of purchasers operations under the terms of this contract.

1. Excavator pile and burn slash within ground based portion of regeneration harvest units from skid trails and within 25 feet of 11-1E-32 road in harvest areas. Slash shall be piled by an excavator equipped with a hydraulic thumb. Finished piles shall be tight and free of dirt.

a. Unmerchantable logs greater than six (6) inches on the small end shall be left in place, or positioned so that they will not be burned.

b. Machine piles shall be located as far as possible from green trees, snags, or unit boundaries to minimize damage.

c. Machine 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.

d. A minimum 10-foot by 10-foot cover of four (4) mil. polyethylene shall cap each machine pile to maintain a dry ignition point. The cover shall be firmly fixed to each pile to hold it in place. 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. The Purchaser is required to furnish the covering materials. Covering shall be completed as directed by the Authorized Officer.

e. Harvest Areas shall be piled during the same season that they are logged.

2. All logging slash and slashed woody vegetation greater than two (2) feet long and between one (1) inch and six (6) inches in diameter at the large end should be hand piled and burned in areas identified post-harvest. Larger material which has a portion meeting this specification must be bucked at the six (6) inch diameter and that portion piled and burned.

a. All hand piles should have the slashed limbs, logs, and slashed woody vegetation placed parallel in the pile and should be constructed as compactly as possible with an adequate supply of finer fuels located within and under the covered area of the pile to ensure ignition of the larger fuels. Piles shall be no larger than eight (8) feet in diameter, nor taller than six (6) feet unless otherwise directed by the Authorized Officer. Hand piles should be placed so that no pile is closer than fifteen (15) feet from the bole of retained green trees or snags. Hand piles shall not be placed in stream channels, on roads, or large woody debris.

b. The total surface area of each pile shall be covered at least seventy-five percent (75%) with four (4) mil. (0.004) inch thick black plastic. The plastic shall be oriented from the south and west sides to north and east sides. Placement of the plastic shall start one (1) foot above the ground at the south and west sides of each pile and extend over the top and go three-quarters (3/4) the distance to the ground on the opposite north and east sides. Woody debris shall then be placed on top of the plastic so that both sides and the middle are held in place during strong wind conditions. If wood placed on top of the plastic isn't sufficient to hold the plastic down, the corners of the plastic shall be required to be tied down.

c. The Purchaser shall provide all tools, materials, equipment, personnel and incidentals necessary to satisfactorily perform and complete the work at the Purchasers expense.

3. Pile and burn landing slash within thirty (30) feet of the edge of each landing, all tops, broken pieces, limbs and debris more than one (1) inch in diameter at the large end and longer than three (3) feet in length shall be piled within fifteen (15) days of completion of hauling logs from that landing. Landing piles shall be kept free of dirt and located adjacent to roads at least twenty (20) feet from any Reserve Tree and/or as directed by the Authorized Officer. Upon completion of landing piling, the Purchaser shall prepare the landing piles for burning by securely covering each landing pile with four (4) mil. thick polyethylene plastic film at least 20 feet wide. Landing piles shall be 75

percent covered with the covering extending three-quarters of the way down all sides. The plastic shall be oriented southwest to northeast. Pieces of burnable material shall be placed on top of the plastic to secure it from moving and to prevent it from blowing off during strong wind episodes. The Purchaser is required to furnish the covering materials. The timing of this covering work shall be in accordance with instructions from the Authorized Officer. 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. If the structure of the landing piles will not permit adequate consumption of piled debris by burning, the Purchaser shall re-pile them at the direction of the Authorized Officer.

bb. Notwithstanding the provisions of Sec. 15 of this contract, the Government shall assume all obligations for disposal or reduction of fire hazards created by Purchaser's operations on Government lands, except for burning and mop-up assistance as required herein and measures required in Section 42(v). The Purchaser shall, under supervision of the Authorized Officer or designated representative, assist in preparing units for igniting, burning, mop-up, and patrol by furnishing, at the Purchaser's own expense, the services of personnel and equipment on each unit as shown below:

1. One work leader(s) Firefighter Type 1 (FFT1) qualified according to National Wildfire Coordinating Group (NWCG) Wildland Fire Qualifications System guide, PMS 310-1) to supervise crew and equipment operations, and to serve as Purchaser's representative.
2. Ten-person crew Firefighter Type 2 (FFT2) qualified according to National Wildfire Coordination Group (NWCG) Wildland Fire Qualifications System guide, PMS 310-1, with sufficient fuel for burning, eleven (11) drip torches, one (1) power saw, and one (1) backpack pump, one (1) tool for each crew member.
3. The crew shall arrive on the project area with radios capable of inter-crew communications and communication with a BLM representative at a ratio of one (1) radio per every five (5) crew members.
4. All ignition and mop-up personnel will be directly supervised by a BLM representative.

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

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

of use under this subsection, the Purchaser shall provide fuel and maintenance for all such power-driven equipment.

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

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

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

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

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

LOG EXPORT RESTRICTIONS

cc. 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 cost 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.

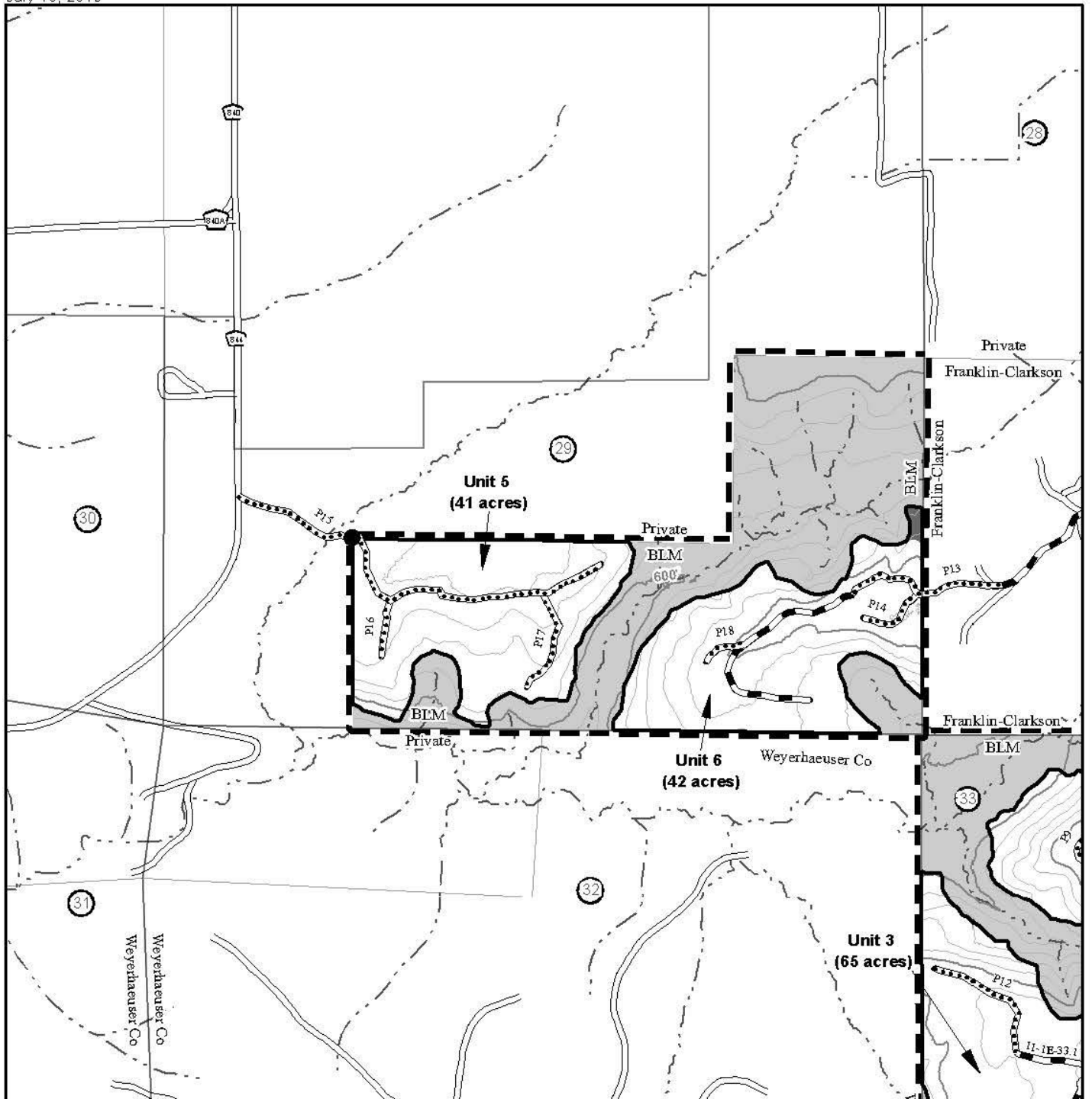
United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Northwest Oregon District - Oregon

Exhibit A
Groovy Tunes
Timber Sale
Sheet 1 of 2

TIMBER SALE CONTRACT MAP - Contract No. ORN01-TS-2019.0103
T. 11 S. - R. 1 E., Section 29 W.M.



July 18, 2019



- Found Corners
- ~ Stream
- ~ Existing Road
- ~ Road Construction
- ~ Road Renovation
- ▬ Contract Area
- ▬ Reserve Area
- ~ Unit Boundary
- ~ Regeneration Harvest
- ~ Leave Island

1,000 500 0 Feet

Regeneration Harvest Area	263 Acres
-Leave Islands	1 Acres
Partial Harvest Area	57 Acres
-Leave Islands	7 Acres
Road Right-of-Way	10 Acres
Reserve Area	434 Acres
Contract Area	772 Acres

Contour Interval : 40'

Note: Unit boundaries are painted orange and posted. Acres do not include existing or new roads. Acreage was calculated based on global positioning system traverse procedures including differential correction.

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Northwest Oregon District - Oregon

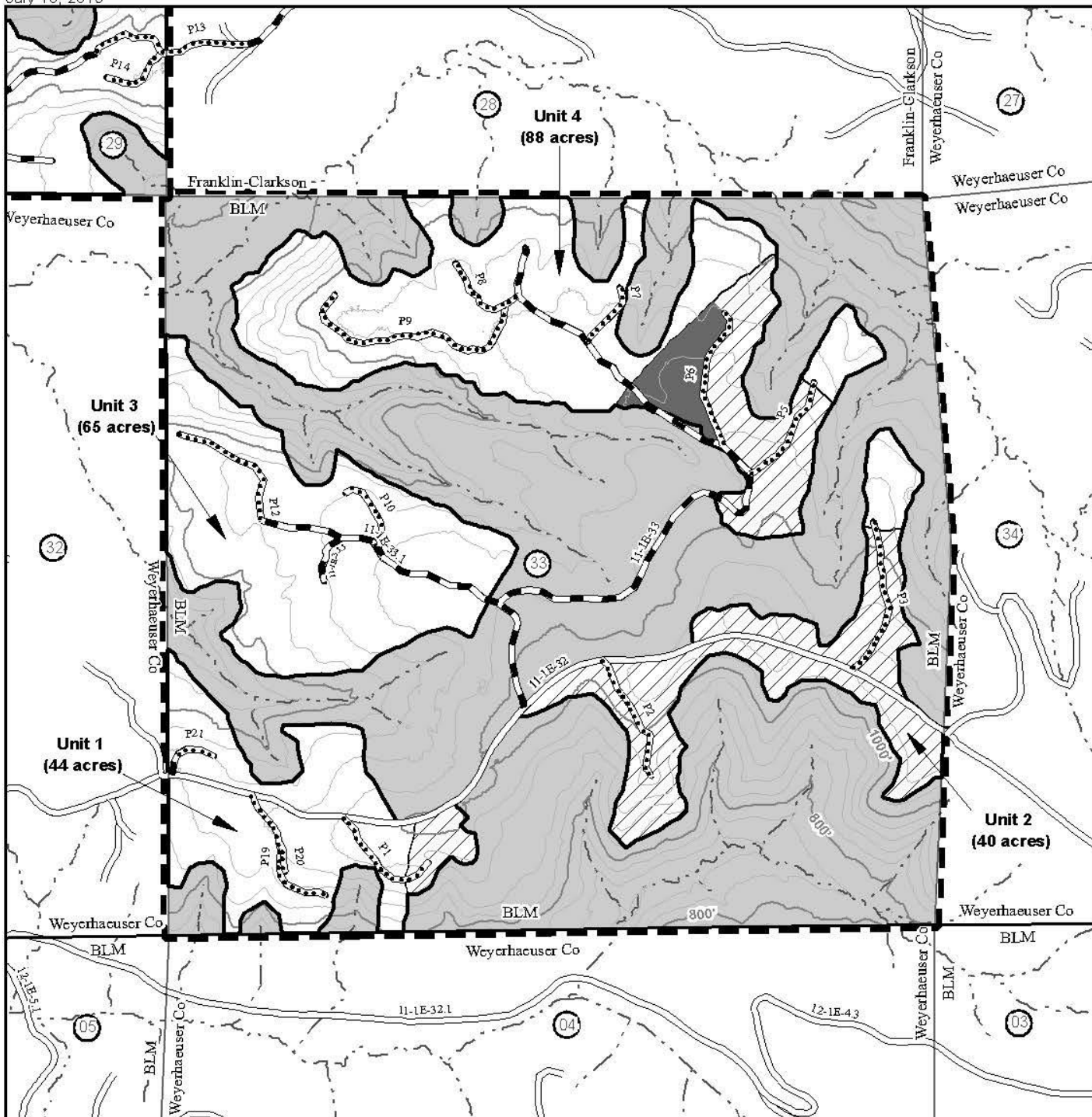
Exhibit A
Groovy Tunes
Timber Sale
Sheet 2 of 2

TIMBER SALE CONTRACT MAP - Contract No. ORN01-TS-2019.0103

T. 11 S. - R. 1 E., Section 33 W.M.



July 18, 2019



- | | | | |
|--|-------------------|--|----------------------|
| | Stream | | Reserve Area |
| | Existing Road | | Unit Boundary |
| | Road Construction | | Partial Harvest |
| | Road Renovation | | Regeneration Harvest |
| | Contract Area | | Leave Island |

1,000 500 0 Feet

Contour Interval : 40'

Regeneration Harvest Area	263 Acres
-Leave Islands	1 Acres
Partial Harvest Area	57 Acres
-Leave Islands	7 Acres
Road Right-of-Way	10 Acres
Reserve Area	434 Acres
Contract Area	772 Acres

Note: Unit boundaries are painted orange and posted. Acres do not include existing or new roads. Acreage was calculated based on global positioning system traverse procedures including differential correction.

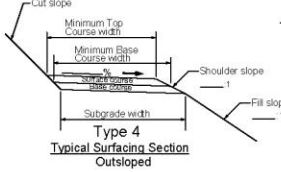
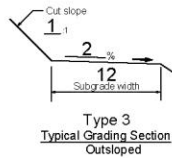
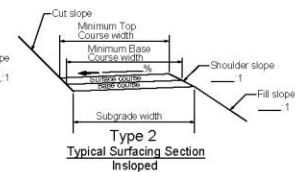
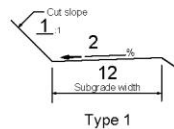
U.S. DEPT. OF THE INTERIOR
Bureau of Land Management
SALEM DISTRICT OFFICE - OREGON

Salé Name GROOVY TUNES
Contract No. ORN01-TS-2019.0103

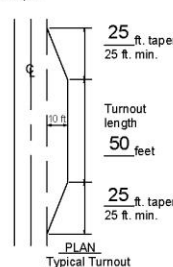
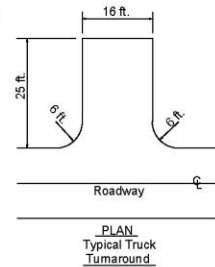
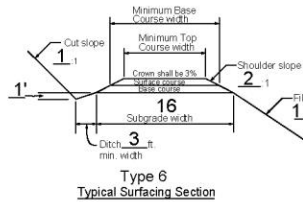
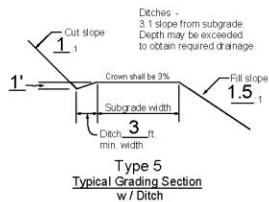
EXHIBIT C
Sheet 10 of 45

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
														BASE COURSE					SURFACE COURSE					
						Subgrd.	Ditch	Maximum Favorable	Maximum Adverse	Beyond		Existing roads (*6)		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	
										Top Cut	Toe Fill	L	R											
P1=11-1E-33.4	0+00	8+20	8+20	3		12	0	-9	9	5	5							12		ASC	C	1	New Const., Spot Rock 10 LCY at entrance	
P2=11-1E-33.7	0+00	9+20	9+20	3		12	0	-6	16	5	5							12		ASC	C	1	New Const., Spot Rock 10 LCY at entrance	
P3=11-1E-33.8	0+00	11+20	11+20	3		12	0	-3	14	5	5							12		ASC	C	1	New Const., Spot Rock 10 LCY at entrance	
P5=11-1E-33.9	0+00	8+15	8+15	3		12	0	-4	16	5	5							12		PRR		1	New Const., Spot Rock 10 LCY at entrance	
P6=11-1E-33.10	0+00	10+35	10+35	3		12	0	0	11	5	5							12		PRR		1	New Const., Spot Rock 10 LCY at entrance	
P7=11-1E-33.11	0+00	4+75	4+75	3		12	0	-3	15	5	5							12		PRR		1	New Const., Spot Rock 10 LCY at entrance	
P8=11-1E-33.12	0+00	6+45	6+45	3		12	0	0	13	5	5													New Const.
P9=11-1E-33.13	0+00	17+60	17+60	3		12	0	-5	11	5	5													New Const.
P10=11-1E-33.14	0+00	5+40	5+40	3		12	0	0	10	5	5							12		PRR		1		New Const.,
P12=11-1E-33.15	0+00	9+65	9+65	3		12	0	-8	14	5	5													New Const.
P13=11-1E-28.1	0+00	12+00	12+00	3		12	0	-4	18	5	5													New Const., Haul debris to BLM and debris from material source
P14=11-1E-29.3	0+00	5+35	5+35	1, 3		12	0	-5	6	5	5													New Const.
P15=11-1E-29	0+00	30+96	30+96	3		12	0	-10	18	5	5							14	10	PRR		2		New Const., Rock 916 LCY 0+00 to 14+30
																								install 4 gates, replace fence line, culvert
																								install, place 20 CY Rip Rap at culvert
P16=11-1E-29.1	0+00	4+65	4+65	3		12	0	0	16	5	5													New Const.
P17=11-1E-29.2	0+00	7+50	7+50	3		12	0	0	19	5	5													New Const.
P18=11-1E-29.4	0+00	3+10	3+10	3		12	0	0	14	5	5													New Const.
P19=11-1E-33.4	0+00	9+20	9+20	1, 3		12	0	-13	18	5	5							12		PRR		1		New Const., Spot Rock 10 LCY at entrance
P20=11-1E-33.5	0+00	2+20	2+20	3		12	0	-14	0	5	5													New Const.
P21=11-1E-33.3	0+00	1+50	1+50	1, 3		12	0	-2	0									12		PRR		1		Renovate, Spot Rock 10 LCY at entrance
P21=11-1E-33.3	1+50	3+25	2+25	3		12	0	0	9	5	5													New Const.
11-1E-28 A-F	0.81	1.30	0.49	6		12	1																	Renovate (Brush & Blade) 0.81 to 1.30
11-1E-28.1 C-D	12+00=0.22	0.55	0.33	3, 5		12	0																	Renovate, construct ditch outs 0.42 to 0.48



NOTE: TYPE 1 through 4 TYPICAL SECTIONS not to be used where grade exceeds 6%



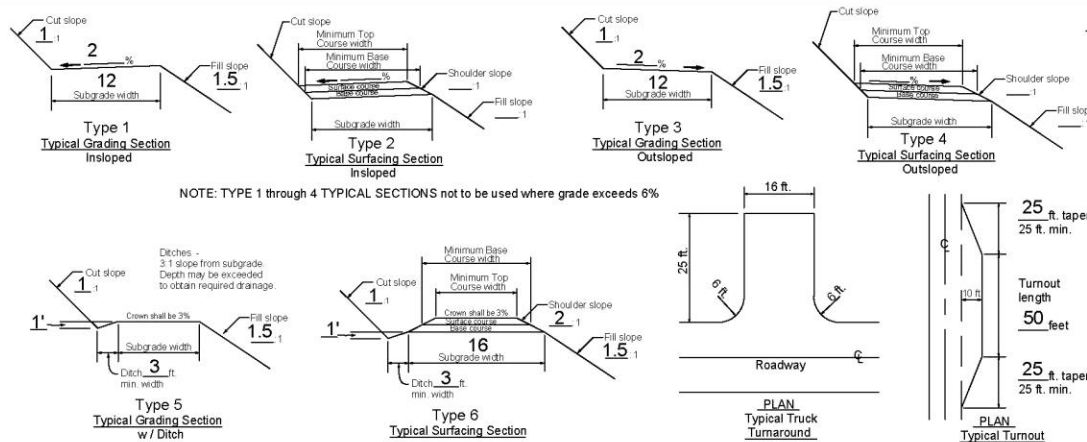
*NOTES

- 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 shown on the plans.
(See Road Plan Map, Exhibit C)
- Backslopes**
Materials: Solid rock 1 1/2:1, Soft rock and shale 1:1, Common 1:1, Slopes under 55% 1:1, Slopes over 55% 3/4:1.
Cut slopes: 1 1/2:1, Angle of repose.
Fill slopes: 1 1/2:1, 1:1/2:1.
Note: Full bench construction is required on side slopes exceeding 60%.
- Surface type**
PRR - Pit run rock
GRR - Grid rolled rock
SRN - Screened rock
JRR - Jaw run rock
ABC - Aggr. base course
ASC - Aggr. surface course
WC - Wood chips
Grading:
A - 3" (base course)
B - 2" (base course)
C - 3" jaw run (base course)
D - 1 1/2" (surface course)
E - 3/4" (surface course)
- Turnouts.**
Width - 10 ft. in addition to subgrade width, or as shown on the plans.
Located approximately as shown on the plans.
Intervisible and not more than 750 ft. apart.
- Surfacing.**
Turnouts, curve widening and road approach aprons shall be surfaced.
- Clearing width.**
See Section 200.
- As posted and painted for Right-of-Way:**
otherwise
- Grading (Renovation)**
- Drainage.**
See Culvert Summary, Sheet 22 of 45.
- Compaction.**
See Sections 300 and 500.

150: ROAD PLAN AND DETAIL SHEET

Contract No. ORN01-TS-2019.0103

Sheet 11 of 45

[illegible]

*NOTES

1. Extra subgrade widths
Add to each shoulder: 1 ft. for fills of 1-6 ft.
and 2 ft. for fills over 6 ft. When the inside
shoulder of curves as follow:
(See Road Plan Map, Exhibit C)
2. Backslopes
- | Materials | Cut slopes | Fill slopes |
|---------------------|------------|-----------------|
| Solid rock | 1 1/4:1 | Angle of repose |
| Soft rock and shale | 1/2:1 | |
| Common | | |
| Slopes under 55% | 1:1 | 1-1/2:1 |
| Slopes over 55% | 3/4:1 | 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" |
| GRR - Grid rolled rock | B - 2" |
| SRN - Screened rock | C - 3" jaw run (base course) |
| JRR - jaw run rock | |
| ABC - Aggr. base course | C - 1-1/2" |
| ASC - Aggr. surface course | D - 1" |
| WC - Wood chips | E - 3/4" |
4. Turnouts
Width - 10 ft. in addition to subgrade width,
or as shown on the plans.
Located approximately as shown on the plans.
Intervisible and not more than 750 ft. apart.
5. Surfacing
Turnouts, curve widening and road approach
aprons shall be surfaced.
6. Clearing width
See Section 200
7. As posted and painted for Right-of-Way:
otherwise _____
8. Grading (Renovation)
9. Drainage
See Culvert Summary, Sheet 22 of 45
10. Compaction
See Sections 300 and 500

UNITED STATES
DEPARTMENT OF THE INTERIOR
Bureau of Land Management
ROAD PLAN MAP
Sections 26, 27, 28, 29, 33, 34 and 35, T. 11 S., R. 1 E., W.M.

EXHIBIT C
ORN01-TS-2019.0103
Groovy Tunes
Sheet 45 of 45

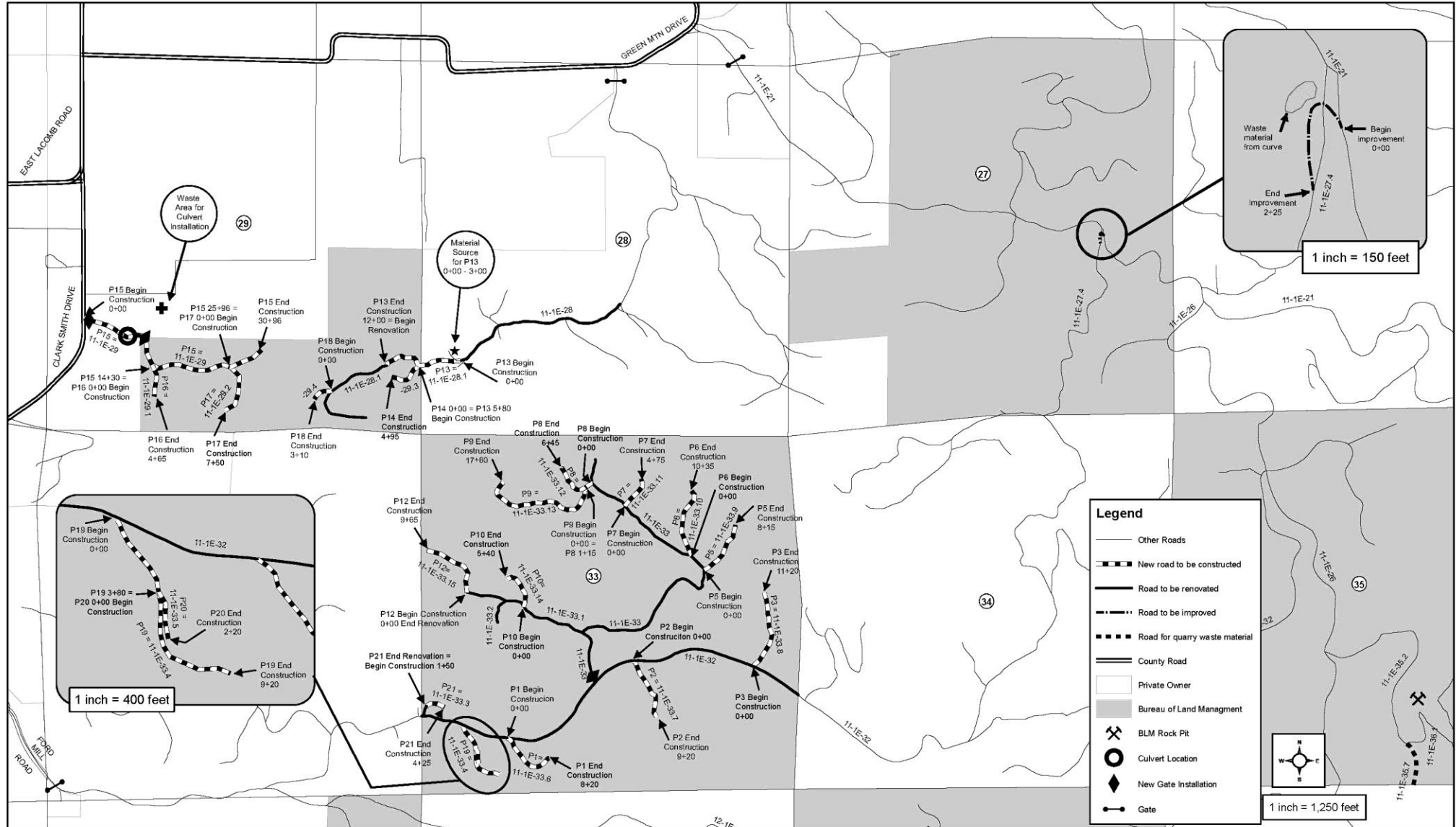


EXHIBIT E
ORN01-TS-2019.0103
Groovy Tunes
Sheet 1 of 1

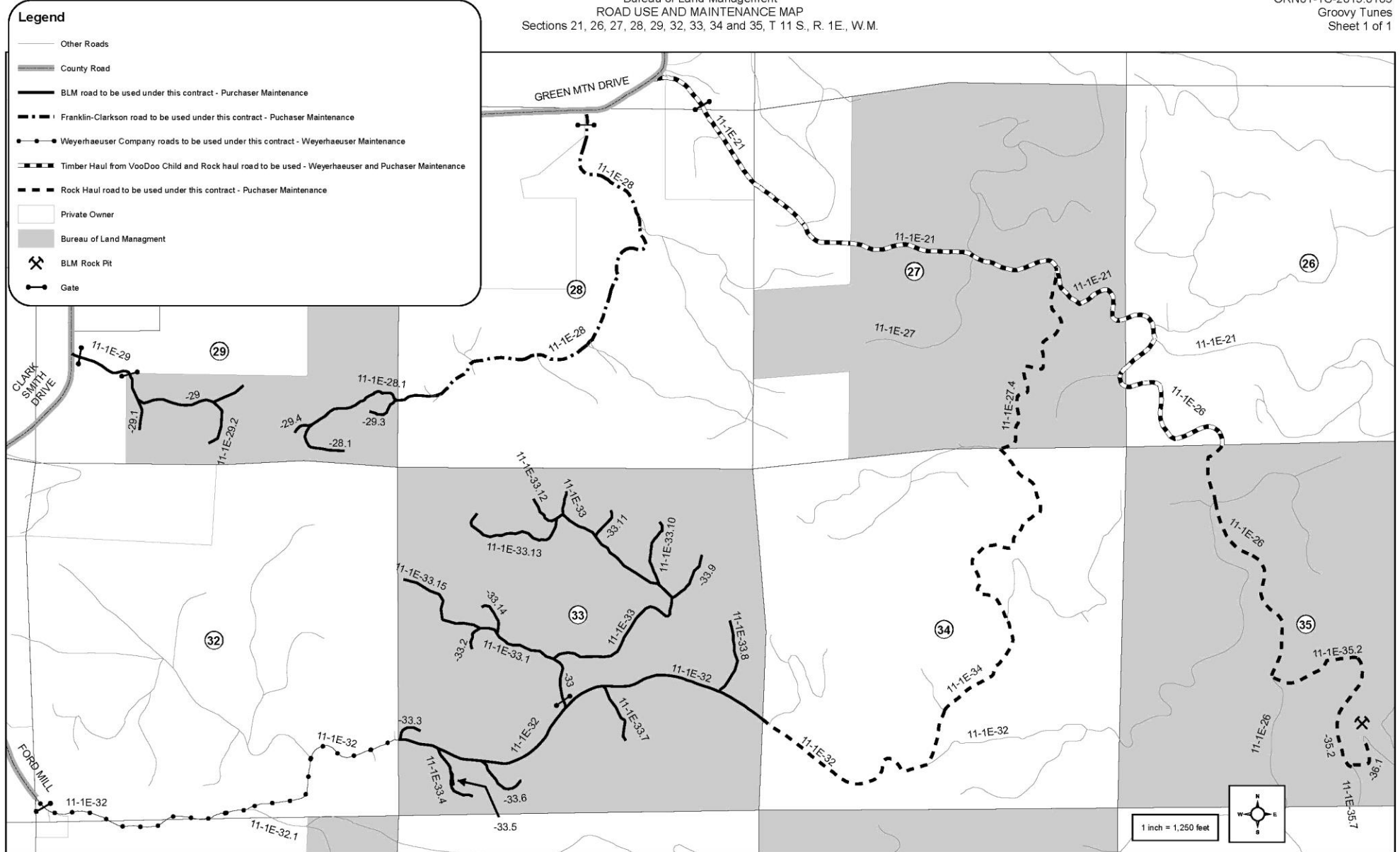


EXHIBIT I SPECIFICATIONS FOR SNAG CREATION

GENERAL:

1. Designated conifer trees (267) shall have tops removed (topping) by saw cutting, high girdling, or be base girdled as directed by the Authorized Officer.
2. One third (89) of the trees to be treated shall be High Girdled. One third (89) of the trees to be treated shall be Base Girdled. One third (89) of the trees to be treated shall be Topped.
3. Topped, top girdled or girdled trees shall be well distributed within unit boundaries as directed by the Authorized Officer. Do not create snags within falling distance of power lines, structures or roads that will remain open after harvesting activities are complete.
4. The Purchaser shall furnish all labor, equipment, supervision, and supplies to perform all work.

HIGH GIRDLE:

1. Girdling height of live trees will vary by stand age and should range from 50-120 feet, or the top-third of the tree. Average girdling height is likely to be 80-110 feet in the 60-70 year old stands, and 60-80 feet in the 40-50 year old stands.
2. Trees High Girdled shall retain 15-25 live limbs that are at least 5 feet in length below the girdled site.
3. All cuts will completely sever the cambium, but not exceed ½ inch depth into the wood of the tree.
4. All cuts will be free of sawdust and debris.
5. High Girdled trees shall be marked with high visibility florescent orange flagging around the bole at a point ten to twenty feet above the ground so that it is readily visible from at least one hundred (100) feet away from the tree in all directions and two pieces of flagging tied to a branch, or bole, directly below the girdling site.

TOPPING:

1. Topping shall be done at a point within approximately 50 to 100 feet in height where the diameter of the main stem is between ten and fourteen (10-14) inches, or as directed by the Authorized Officer.
2. Remove live limbs 10 feet below the point where the tree is topped.
3. Treetops which are severed shall be completely severed from the tree and in such a manner that they are lying completely on the ground. No tops shall remain hung up in tops of other trees or leaning against the bole of any tree.
4. Severed tree tops which land on or immediately adjacent to a constructed fire trail, within a fuel reduction area, or in the right-of-way of a road or designated trail shall be moved as directed by the Authorized Officer the same day in which it was severed.
5. The top of the main stem of the tree shall be cut flat (no face cut notch or angled back cut).

6. The top of the main stem shall then have a vertical “V” notch cut at least six (6) inches down into the stem with the open end of the “V” approximately three (3) inches or 1/3 the diameter of the cut face in width, or be otherwise modified as directed by the Authorized Officer.
7. Florescent orange flagging shall be hung around the bole at a point ten to twenty feet above the ground so that it is readily visible from at least one hundred (100) feet away from the tree in all directions.

BASAL GIRDLE:

1. The bark and cambium layer shall be completely removed with a chainsaw or hand tools in a band at least twelve (12) inches wide completely around the main stem of the tree at a height between two (2) and eight (8) feet above the ground.
2. No more than one-half (1/2) inch of wood inside the cambium layer shall be cut.
3. Florescent orange flagging shall be hung around the bole at above where the tree was girdled so that it is readily visible from at least one hundred (100) feet away from the tree in all directions.

Legal Description of Contract Area

Land Status	County	Township	Range	Section	Subdivision	Meridian
O&C	Linn	11S	1E	29	SE1/4SW1/4, NE1/4SE1/4, S1/2SE1/4	Willamette
O&C	Linn	11S	1E	33	Entire	Willamette

Species Totals

Species	Net	Gross Merch	Gross	# of Merch Logs	# of Cull Logs	# of Trees
Douglas Fir	12,472.0	12,951.0	12,973.0	112,216	620	17,330
Bigleaf Maple	549.0	744.0	750.0	12,329	6,112	7,051
Western Hemlock	321.0	342.0	349.0	5,047	25	1,471
Grandfir	198.0	213.0	213.0	1,812	7	329
Western Redcedar	5.0	5.0	5.0	48	0	8
Incense-cedar	5.0	5.0	5.0	33	0	7
Totals	13,550.0	14,260.0	14,295.0	131,485	6,764	26,196

Cutting Area Acres

Regeneration Harvest Acres	Partial Cut Acres	Right of Way Acres	Total Acres	Net Volume per Acre
263.0	57.0	10.0	330.0	41.1

Logging Costs

Stump to Truck	\$1,217,022.16
Transportation	\$641,700.00
Road Construction	\$181,978.40
Maintenance/Rockwear	\$66,492.83
Road Use	\$23,196.00
Other Allowances	\$58,838.50
Total:	\$2,189,227.89
Total Logging Cost per MBF:	\$161.57

Utilization Centers

Location	Distance	% of Net Volume
Lyons	27.0 miles	100 %

Profit & Risk

Profit	9 %
Risk	3 %
Total Profit & Risk	12 %

Tract Features

Quadratic Mean DBH	19.5 in
Average GM Log	103 bf
Average Volume per Acre	41.1 mbf
Recovery	95 %
Net MBF volume:	
Green	13,550.0 mbf
Salvage	0 mbf
Export	0 mbf
Ground Base Logging:	
Percent of Sale Volume	78 %
Average Yarding Slope	40 %
Average Yarding Distance	400 ft
Cable Logging:	
Percent of Sale Volume	22 %
Average Yarding Slope	10 %
Average Yarding Distance	400 ft
Aerial Logging:	
Percent of Sale Volume	0 %
Average Yarding Slope	0 %
Average Yarding Distance	0 ft

Cruise

Cruise Completed	April 2019
Cruised By	Rainey, Poteet, Tiegland, Barclay
Cruise Method	Variable Plot for both Regen Harvest and Thinning units.

Stumpage Computation

Species	# of Trees	Net Volume	Pond Value	(-) Profit & Risk	(-) Logging Costs	(+) Marginal Log Value	Appraised Price/MBF	Appraised Value
Douglas Fir	17,330	12,472.0	\$521.43	\$62.57	\$161.57	\$0.00	\$297.30	\$3,707,925.60
Bigleaf Maple	7,051	549.0	\$250.53	\$30.06	\$161.57	\$0.00	\$58.90	\$32,336.10
Western Hemlock	1,471	321.0	\$361.59	\$43.39	\$161.57	\$0.00	\$156.60	\$50,268.60
Grandfir	329	198.0	\$367.69	\$44.12	\$161.57	\$0.00	\$162.00	\$32,076.00
Western Redcedar	8	5.0	\$720.00	\$86.40	\$161.57	\$0.00	\$472.00	\$2,360.00
Incense-cedar	7	5.0	\$560.00	\$67.20	\$161.57	\$0.00	\$331.20	\$1,656.00
Totals	26,196	13,550.0						\$3,826,622.30

Percent of Volume By Log Grade

Species	No. 1 & 2 Peeler	No. 3 Peeler	Special Mill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	Camp Run
Douglas Fir				87.0 %	12.0 %	1.0 %	

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

Species	Peeler	No. 1 Sawmill	Special Mill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	Camp Run
Western Hemlock				69.0 %	24.0 %	7.0 %	

Species	Peeler	No. 1 Sawmill	Special Mill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	Camp Run
Grandfir				84.0 %	15.0 %	1.0 %	

Species	No. 1 Sawmill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill			Camp Run
Western Redcedar							100.0 %

Species	No. 1 Sawmill	No. 2 Sawmill	No. 3 Sawmill	No. 4 Sawmill	No. 5 Sawmill	No. 6 Sawmill	Camp Run
Incense-cedar							100.0 %

Unit: 1

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	2,107.0	2,183.0	2,183.0	2,753
Bigleaf Maple	103.0	130.0	130.0	1,278
Western Hemlock	46.0	49.0	49.0	178
Grandfir	17.0	18.0	18.0	23
Totals:	2,273.0	2,380.0	2,380.0	4,232

Net Volume/Acre: 51.7 MBF

Regeneration Harvest	40.0
Partial Cut	4.0
Right of Way	0.0
Total Acres:	44.0

Unit: 2

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	765.0	792.0	792.0	1,159
Bigleaf Maple	73.0	104.0	104.0	1,043
Western Hemlock	24.0	27.0	27.0	351
Grandfir	21.0	22.0	22.0	66
Incense-cedar	3.0	3.0	3.0	4
Totals:	886.0	948.0	948.0	2,623

Net Volume/Acre: 22.2 MBF

Regeneration Harvest	5.0
Partial Cut	35.0
Right of Way	0.0
Total Acres:	40.0

Unit: 3

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	1,946.0	2,023.0	2,040.0	2,100
Bigleaf Maple	66.0	86.0	86.0	616
Western Hemlock	22.0	23.0	23.0	75
Western Redcedar	5.0	5.0	5.0	8
Totals:	2,039.0	2,137.0	2,154.0	2,799

Net Volume/Acre: 31.4 MBF

Regeneration Harvest	65.0
Partial Cut	0.0
Right of Way	0.0
Total Acres:	65.0

Unit: 4

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	3,840.0	3,977.0	3,977.0	5,025
Bigleaf Maple	200.0	258.0	259.0	2,557
Western Hemlock	91.0	96.0	96.0	427
Grandfir	40.0	42.0	42.0	65
Incense-cedar	2.0	2.0	2.0	3
Totals:	4,173.0	4,375.0	4,376.0	8,077

Net Volume/Acre: 47.4 MBF

Regeneration Harvest	70.0
Partial Cut	18.0
Right of Way	0.0
Total Acres:	88.0

Unit: 5

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	1,681.0	1,748.0	1,751.0	2,697
Western Hemlock	68.0	73.0	76.0	217
Grandfir	59.0	65.0	65.0	86
Bigleaf Maple	53.0	82.0	84.0	769
Totals:	1,861.0	1,968.0	1,976.0	3,769

Net Volume/Acre: 45.4 MBF

Regeneration Harvest	41.0
Partial Cut	0.0
Right of Way	0.0
Total Acres:	41.0

Unit: 6

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	1,722.0	1,791.0	1,793.0	2,763
Western Hemlock	70.0	74.0	78.0	223
Grandfir	61.0	66.0	66.0	89
Bigleaf Maple	54.0	84.0	87.0	788
Totals:	1,907.0	2,015.0	2,024.0	3,863

Net Volume/Acre: 45.4 MBF

Regeneration Harvest	42.0
Partial Cut	0.0
Right of Way	0.0
Total Acres:	42.0

Unit: RW 29

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	180.0	192.0	192.0	368
Totals:	180.0	192.0	192.0	368

Net Volume/Acre: 45.0 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	4.0
Total Acres:	4.0

Unit: RW 33

Species	Net	Gross Merch	Gross	# of Trees
Douglas Fir	231.0	245.0	245.0	465
Totals:	231.0	245.0	245.0	465

Net Volume/Acre: 38.5 MBF

Regeneration Harvest	0.0
Partial Cut	0.0
Right of Way	6.0
Total Acres:	6.0

Total Stump To Truck	Net Volume	\$/MBF
\$1,217,022.16	13,550.0	\$89.82

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

Yarding System	Unit of Measure	# of Units of Measure	\$/Unit of Measure	Total Cost	Remarks
Cable: Medium Yarder	GM MBF	128.0	\$177.78	\$22,755.84	Thinning Cable,4 loads
Cable: Medium Yarder	GM MBF	3,040.0	\$118.52	\$360,300.80	Regen Cable,6 loads
Track Skidder	GM MBF	919.0	\$97.13	\$89,262.47	Thinning Ground, 6 loads
Track Skidder	GM MBF	10,173.0	\$72.85	\$741,103.05	Regen Ground,8 loads
Subtotal				\$1,213,422.16	

Additional Costs

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

Additional Moves

Equipment	Unit of Measure	# of Units of Measure	\$/Unit of Measure	Total Cost	Remarks
Cable: Medium Yarder	Each	2.0	\$1,200.00	\$2,400.00	
Track Skidder	Each	2.0	\$600.00	\$1,200.00	
Subtotal				\$3,600.00	

Total	Net Volume	\$/MBF
\$641,700.00	13,550.0	\$47.36

Utilization Center	One Way Mileage	Description	Unit of Measure	# of Units	\$/Unit of Measure	Total Cost	% of Sale Volume
Lyons	27.0	one way	GM MBF	14,260.0	\$45.00	\$641,700.00	100 %

Comments:

Mileage to Lyons = 27 miles; 50 mins x 2 (RT) = 100 mins; 30 mins (load/unload) = 130 RTM; 130 mins = 2.25 hrs (rounded); 2.5 hrs x \$90 hr = \$225.00; \$225/5 mbf = \$45 per thousand

Engineering Allowances

Total	Net Volume	\$/MBF
\$271,667.23	13,550.0	\$20.05

Cost Item	Total Cost
Road Construction:	\$181,978.40
Road Maintenance/Rockwear:	\$66,492.83
Road Use Fees:	\$23,196.00

Comments:

Road use fees to Weyco \$19,200.00, Campbell \$3,996; Rockwear fees to Weyco \$6,393.60, Campbell \$1,558.44; Road maintenance fees to Weyco \$10,123.20; BLM maintenance \$66,492.84; BLM rockwear \$5,937.66; BLM construction \$184,370.34

Total	Net Volume	\$/MBF
\$58,838.50	13,550.0	\$4.34

Environmental Protection

Cost item	Total Cost
Equipment Washing	\$300.00
Subtotal	\$300.00

Miscellaneous

Cost item	Total Cost
Basal Girdling	\$2,136.00
High Girdling	\$5,562.50
Tree Topping	\$6,230.00
Subtotal	\$13,928.50

Slash Disposal & Site Prep

Cost item	Total Cost
Pile Burn	\$300.00
Landing Pile Cover, Burn	\$1,800.00
Hand Pile Construction, Cover	\$1,560.00
Pile Burn	\$6,825.00
Machine Pile Construction, Cover	\$34,125.00
Subtotal	\$44,610.00

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Northwest Oregon District - Oregon

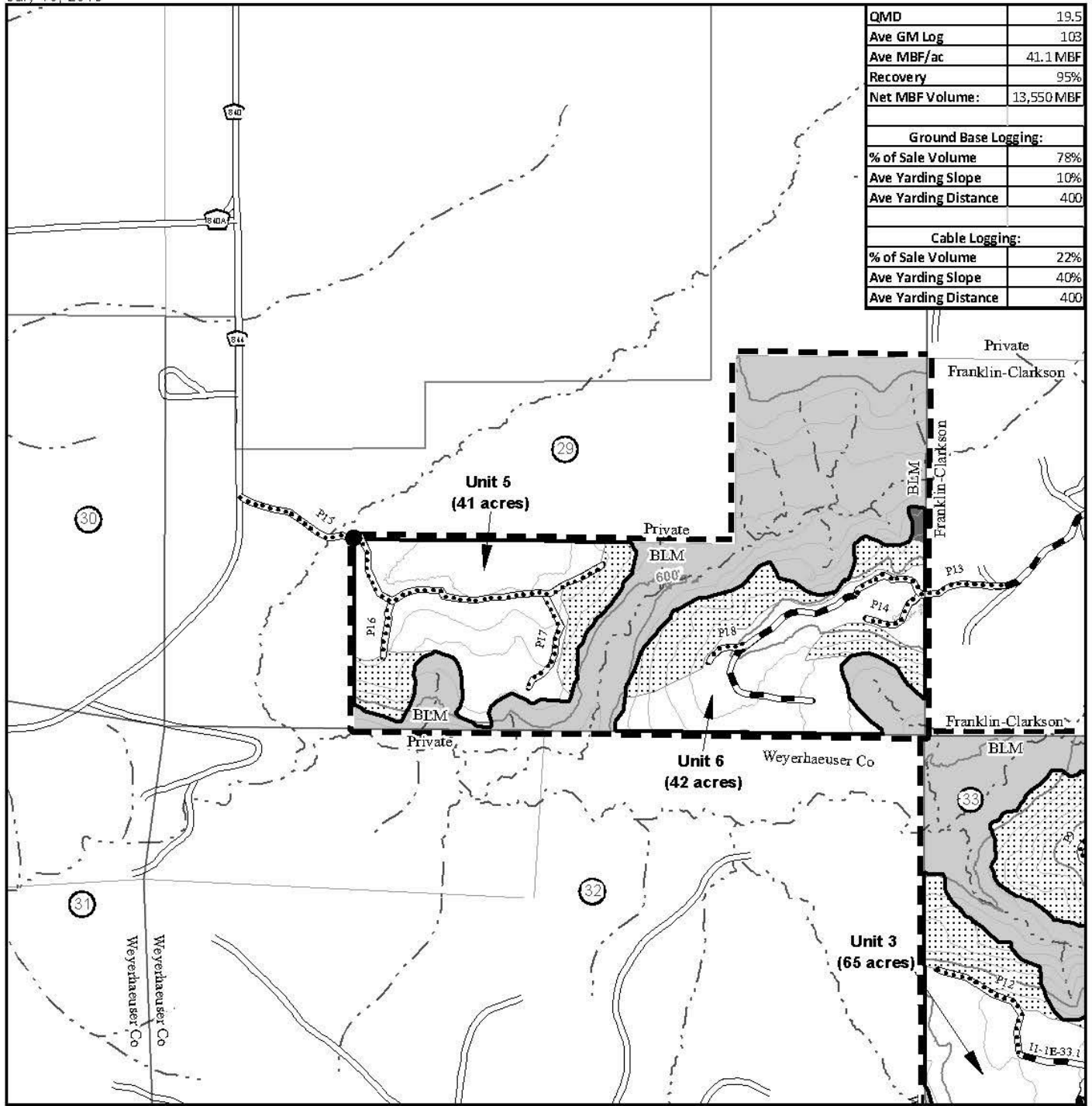
Appraisal Map
Groovy Tunes
Timber Sale
Sheet 1 of 2

TIMBER SALE APPRAISAL MAP - Contract No. ORN01-TS-2019.0103

T. 11 S. - R. 1 E., Section 29 W.M.



July 18, 2019



QMD	19.5
Ave GM Log	103
Ave MBF/ac	41.1 MBF
Recovery	95%
Net MBF Volume:	13,550 MBF
Ground Base Logging:	
% of Sale Volume	78%
Ave Yarding Slope	10%
Ave Yarding Distance	400
Cable Logging:	
% of Sale Volume	22%
Ave Yarding Slope	40%
Ave Yarding Distance	400

- Found Corners
- ~ Stream
- ~ Existing Road
- ~ Road Construction
- ~ Road Renovation
- Contract Area
- Reserve Area
- ~ Unit Boundary
- ~ Regeneration Harvest
- ~ Ground (263 acres)
- ~ Skyline (67 acres)
- ~ Leave Island

Regeneration Harvest Area	263 Acres
-Leave Islands	1 Acres
Partial Harvest Area	57 Acres
-Leave Islands	7 Acres
Road Right-of-Way	10 Acres
Reserve Area	434 Acres
Contract Area	772 Acres

Contour Interval : 40'

Note: Unit boundaries are painted orange and posted. Acres do not include existing or new roads. Acreage was calculated based on global positioning system traverse procedures including differential correction.

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Northwest Oregon District - Oregon

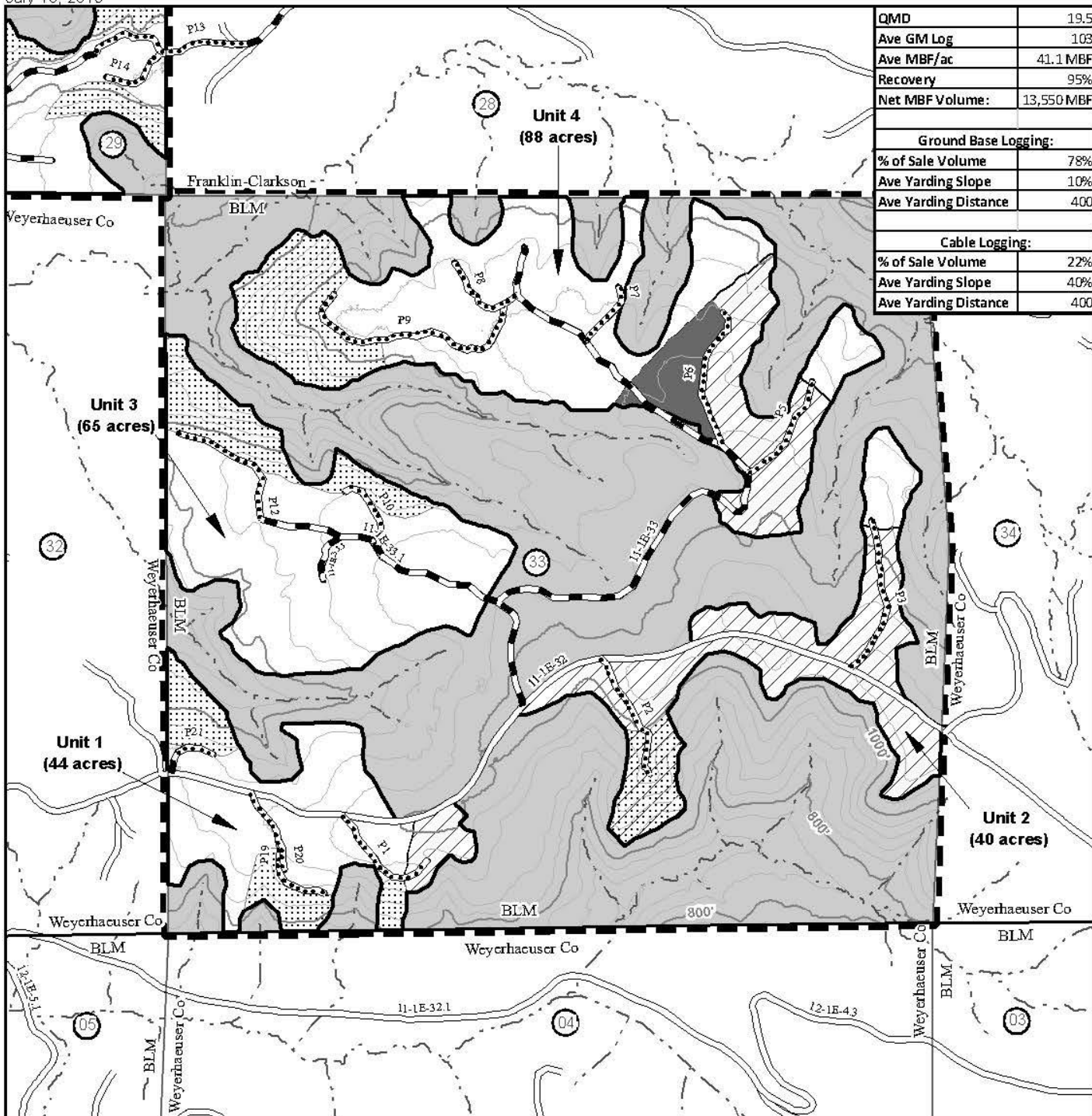
Appraisal Map
Groovy Tunes
Timber Sale
Sheet 2 of 2

TIMBER SALE APPRAISAL MAP - Contract No. ORN01-TS-2019.0103

T. 11 S. - R. 1 E., Section 33 W.M.



July 18, 2019



QMD	19.5
Ave GM Log	103
Ave MBF/ac	41.1 MBF
Recovery	95%
Net MBF Volume:	13,550 MBF
Ground Base Logging:	
% of Sale Volume	78%
Ave Yarding Slope	10%
Ave Yarding Distance	400
Cable Logging:	
% of Sale Volume	22%
Ave Yarding Slope	40%
Ave Yarding Distance	400

1,000 500 0 Feet

Contour Interval : 40'

- Stream
- Existing Road
- Road Construction
- Road Renovation
- Contract Area
- Reserve Area
- Unit Boundary
- Partial Harvest
- Regeneration Harvest
- Ground (263 acres)
- Skylines (67 acres)
- Leave Island

Regeneration Harvest Area	263 Acres
-Leave Islands	1 Acres
Partial Harvest Area	57 Acres
-Leave Islands	7 Acres
Road Right-of-Way	10 Acres
Reserve Area	434 Acres
Contract Area	772 Acres

Note: Unit boundaries are painted orange and posted. Acres do not include existing or new roads. Acreage was calculated based on global positioning system traverse procedures including differential correction.

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Northwest Oregon District - Oregon

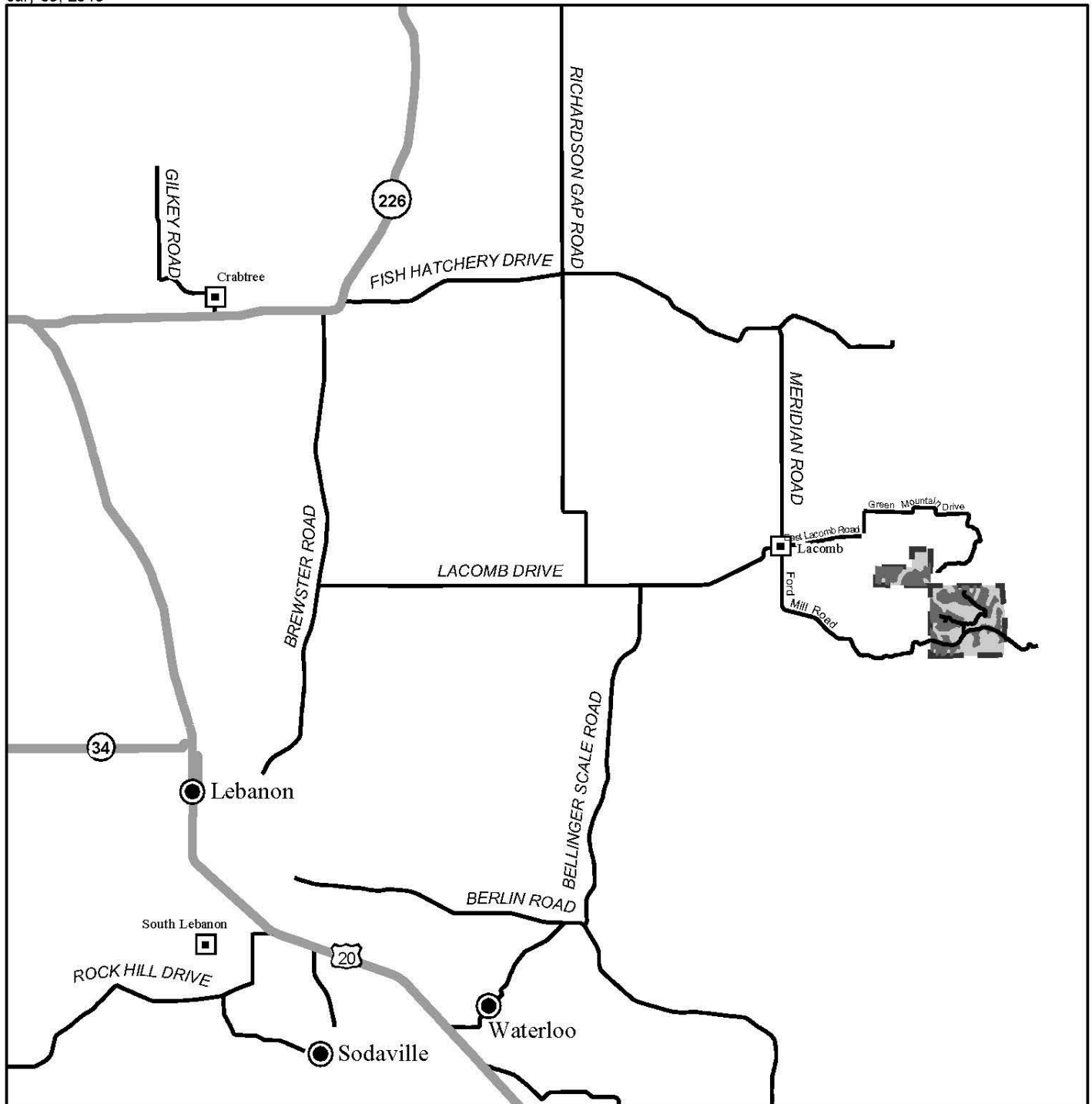
Groovy Tunes
Timber Sale Vicinity

TIMBER SALE VICINITY MAP - Contract No. ORN01-TS-2019.0103

T.11S., R.1E., Sections 29 & 33, W. M.



July 09, 2019



10 5 0 Miles

- Highway
- Major road
- Contract Area
- Timbersale Units
- Reserve Area