NOTICE OF SALE

Department of Natural Resources & Conservation Timber Sale

The Smoke-Brulee Timber Sale is located within Section 16, T27N-R29W, on the State's Libby Unit. Approximately 21,652 tons, consisting primarily Douglas-fir sawlogs, are offered for sale.

Sealed bids will be opened at the Department of Natural Resources & Conservation, 2705 Spurgin Road, Missoula, Montana on **October 16, 2019 at 2:00 p.m.** Bids may be hand delivered or mailed and will be accepted any time prior to the bid opening. **DNRC recommends that bidders contact the Trust Land Management Division (406-542-4300) prior to the bid opening to ensure that your bid has been received.** Bids must be accompanied by a deposit of **$10,501.00,** representing 5% of the minimum bid value of the sale in cashier's check, certified check, bank money order or bank draft to be applied to the first sale invoice for the successful bidder. Bid bonds will be accepted and, for the successful bidder, will be closed upon execution of the Timber Sale Contract and Timber Sale Bond.

The sale will be awarded to the highest responsible bidder. If the successful bidder is unable to execute the contract within **30** calendar days from the date the sale is awarded, the bid deposit will be retained by the Department as liquidated damages. The right is reserved to reject any or all bids.

Prospective bidders can obtain the sale prospectus, sale contract and bid forms from the Department of Natural Resources & Conservation, Trust Land Management Division, in Missoula (406-542-4300), the Northwestern Land Office in Kalispell (406-751-2257), or the Libby Unit Office in Libby, MT (406-293-2711).

Visit our website at http://dnrc.mt.gov/divisions/trust/forest-management/timber-sale-information for upcoming sales and bid results.

TIMBER SALE PROSPECTUS

STATE OF MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

Timber Sale Name:	**Smoke-Brulee**		
For specific sale information, contact:			
Phone	406-293-2711		Libby Unit Office
For copies of the Timber Sale Contract and bid forms, contact:			
Phone	406-542-4300	Forest Management Bureau	DNRC Missoula Office
Phone	406-751-2257		Northwestern Land Office

General Bidding Information

1. Bids must be submitted on Department of Natural Resources & Conservation (State) bid forms.
2. Timber will be sold to the highest responsible bidder; however, the State reserves the right to reject any or all bids.
3. The State recommends that bidders contact the Forest Management Bureau, Trust Land Management Division (406-542-4300) prior to the bid opening to ensure that your bid has been received.
4. A **Bid Deposit** must accompany all bids and must be in the form of cash, cashiers check, certified check, money order, bank draft, surety bond or irrevocable letter of credit.
5. The Purchaser must submit a **Performance Bond** to the State within 30 days of notification of sale award. The bond amount will be, at a minimum, 20% of the total bid value of the sale. The performance bond may be cash, irrevocable letter of credit, surety bond or certificate of deposit. The performance bond must be maintained separately from other payments for the duration of the Timber Sale Contract. See the Timber Sale Contract for additional information.
6. The purchaser must submit an **Advance Stumpage Payment** prior to cutting any timber. The amount of the advance stumpage payment will cover six weeks of harvesting and be based on the expected harvest rate and the bid value of the stumpage. The advance stumpage payment may be cash, irrevocable letter of credit, payment bond or certificate of deposit.
7. At rates specified in the Contract, the purchaser will pay **Forest Improvement Fees** on all sawlog volume. All applicable **Road Use and/or Maintenance fees** will also be paid by the Purchaser in addition to stumpage payments.
8. This sale is being sold based on the gross weight of all species. Minimum price and bid price are on a per ton basis. Unless otherwise specified, the price applies to all species, green and dead. Price may vary by product. Billing will be based on gross weight. A weight ticket from a certified scale is required for each load hauled, regardless of product type.
9. The State has estimated the net scale merchantable sawlog volume to be sold under this Contract. Other products may be part of this sale. All delivered wood will be weighed and billed at per ton bid rates. The State recognizes that a percentage of delivered wood may not meet the log manufacturing and recovery standards of the Timber Sale Contract. The actual percentage will vary based on the log manufacturing and recovery specifications of the purchaser and tree conditions in the sale area. The actual delivered weight may vary, resulting in an overrun or under-run of the estimated tonnage. The State strongly recommends that bidders evaluate these effects before bidding.
10. The State does not conduct detailed road appraisals. All appraised costs are gross estimates or averages, provided only to show the relative amount of work required, and not the true market value. The State strongly recommends that bidders make their own estimates based on Contract requirements. Cost estimates provided are not guaranteed.
11. Bidders are encouraged to examine the complete Timber Sale Package and Sale Area prior to bidding. Additional information is available at the phone numbers shown above.
12. Estimates for sale volume, species percents, defect, product class, etc. provided in this prospectus and volume estimates listed in the Timber Sale Contract are not guaranteed.
13. This prospectus is provided for information purposes only. If the prospectus is in error or contradicts the Timber Sale Contract, the Contract governs.

Additional Sale Information:

1. Unit 1 - OPERATING PERIOD: June 16 - March 30; and restricted to periods when soil moisture is dry, or the ground is frozen, or snow covered to minimize compaction, displacement, or erosion as required in Section VII.L.1 & 2.
2. Unit 2 - OPERATING PERIOD: June 16 - March 30; and restricted to periods when soil moisture is dry, or the ground is frozen, or snow covered to minimize compaction, displacement, or erosion as required in Section VII.L.1 & 2. (See contract, section VII, F, Unit 2).
3. Tree marking and harvesting are by description. (See contract, section VII, G, 1, 2, and 3). On the southwest aspect of Unit 2, due to visibility of this area from Highway 2, further consideration will be made to vary leave tree spacing, and group them closer together, where large trees with full crowns are not available. Additionally, the Forest Officer may delete portions of this area with low volume, or that are difficult to access.
4. A yarder capable of working from low standard skid trails and ridgelines is preferred on approximately 104 acres. (See contract, section VII, G, 9).
5. Skyline yarding is required on approximately 365 acres. A skyline yarding system capable of yarding 1,500 – 2,000 feet external yarding distance uphill must be used. See contract VII, G, 6
6. Multispan skyline yarding required: To obtain adequate deflection, intermediate supports may be required on some corridors. See contract VII, G, 6, f
7. ALTERNATE YARDING SYSTEMS MAY BE APPROVED: The Forest Officer may approve alternative yarding methods besides those specified for each sale unit. An alternative system proposed by the Purchaser must be approved by the Forest Officer at or before the time the Logging Operations Plan for the unit is approved. The Forest Officer will only approve alternatives that are consistent with planned mitigation and resource protection measures. Alternatives may include skyline yarding, alternative ground-based equipment or other systems. Costs of alternative systems will be borne by the Purchaser.
8. Construction of approximately 3.8 miles of new road, along with approximately 0.3 miles of optional new road, and considerable road maintenance work is required. The cost of building the optional new road is included in DNRC's estimated costs for roadwork. See Attachment B.
9. Some new road construction segments will require full bench construction with end-hauling of fill material, and some segments could require blasting. The cost of blasting is included in DNRC's estimated costs for roadwork. See Attachment B, Road log.
10. The Forest Officer shall approve a plan for felling, yarding, and landing logs (both Sawlogs and Other Material) in each harvest unit prior to the start of operations in that unit. See contract, VII, H.
11. Erosion control work shall be completed and approved by the Forest Officer in unfinished units before operations cease for inactive periods including heavy winter snowfall, spring breakup and restricted dates. See contract VII, M, 4, e.
12. CLT Bridge installation on optional road (See road log, Bottom Spur Road).
13. Completion of certain road work is required prior to harvesting. See Attachment B

Timber Sale Information Sheet

Montana Department of Natural Resources and Conservation

SMOKE-BRULEE TIMBER SALE										
Timber Sale Cruise Data										
SPECIES	PP	DF	WL	LP	ES	GF	SAF	WP	Dead	TOTAL or AVE
Minimum Bid per ton										$9.70
Pounds per cubic foot	62	62	58	56	57	60	55.0		40.0	
Estimated tons of sawlogs (5.6" top DIB)	309	16,247	1,587	36	155	2,231	534		554	**21,652 tons**
Estimated tons of other material (pulp, etc)										0 tons
Gross MBF (Scribner 5.6" top DIB)	68	2,803	341	3	27	529	96		203	4,070 MBF
% Cull and Breakage	17	21	18	5	10	35	15		32.97	23.0%
Net MBF (Scribner 5.6" top DIB)	57	2,209	279	3	24	344	81		136	3,133 MBF
Average logs per MBF	8.8	28.2	19.2	68.2	27.3	28	30.2		17.6	26.7 logs/M
Average DBH	22.5	11	13.7	7	10	12.6			14.19	11.3 in.
Average tons per acre harvested in leave-tree marked units	→									41 tons/ac
Average tons per acre harvested in cut-tree-marked units	→									0 tons/ac
Average MBF to cut per acre on the timber sale	→									5.9 MBF/ac
Range of cut trees per acre based on unit cruise	→									102-142
Calculated Sampling Error: Total cruised volume will fall between			2,757 and 3,838 Net MBF in 9 out of 10 cruises							17.2%
Tons Per Thousand Board Feet										
Contract Value - Estimated tons hauled per thousand Scribner board feet	21,652 estimated tons to a 5.6 inch top / 3,133 Net MBF Scribner to a 5.6 inch top DIB									6.91 tons/MBF

Contract Information		
Contract Termination Date:	9/30/2023	
Operating Period:	June 16 - March 30; and restricted to periods when soil moisture is dry, or the ground is frozen, or snow covered to minimize compaction, displacement, or erosion as required in Section VII.L.1 & 2.	

Timber Sale Information Sheet

Montana Department of Natural Resources and Conservation

Logging Information	
% of volume logged by clearcut or seed tree cut	00%
% of volume logged with tractors	12%
% of volume logged by skyline	69%
% of volume logged by other system (excaline)	19%
Yarding distance tractor (average)	700 ft.
Yarding distance skyline (average)	1000 ft.
Yarding distance other system (specify)	800 ft.
Estimated haul distance (paved)	75.0 miles
Estimated haul distance (unpaved)	9.0 miles

Purchaser fees and estimated costs	
Forest Improvement fee perMBF	$12.15/MBF
Forest Improvement fee per ton	$1.76/ton
Forest Improvement fee estimated total	$38,107.52
Forest Improvement fee quarterly installment	$6,351.25
Estimated Purchaser-do FI total $	
Estimated Purchaser-do FI per ton	$0.00/ton
Estimated Purchaser-do slash disposal work total	$13,260.00
Estimated Purchaser-do slash disposal work per ton	$0.61/ton

Road development and maintenance fees and estimates	
Estimated road development cost total	$245,043
Estimated road development cost per ton	$11.32/ton
Estimated road development cost perMBF	$78.22/MBF
Estimated Purchaser-do road maintenance cost total	$7,413
Estimated Purchaser-do road maintenance cost per ton	$0.34/ton
Private road maintenance charges per ton	$0.00/ton
USFS road maintenance charges per ton	$0.00/ton
Miles of road construction	4.1 miles
Miles of road reconstruction	0.0 miles
Miles of road with site improvements	21.0 miles
Miles of road reclamation or abandonment	0.0 miles
Miles of road maintenance and blading	0.0 miles

Unit harvest volume

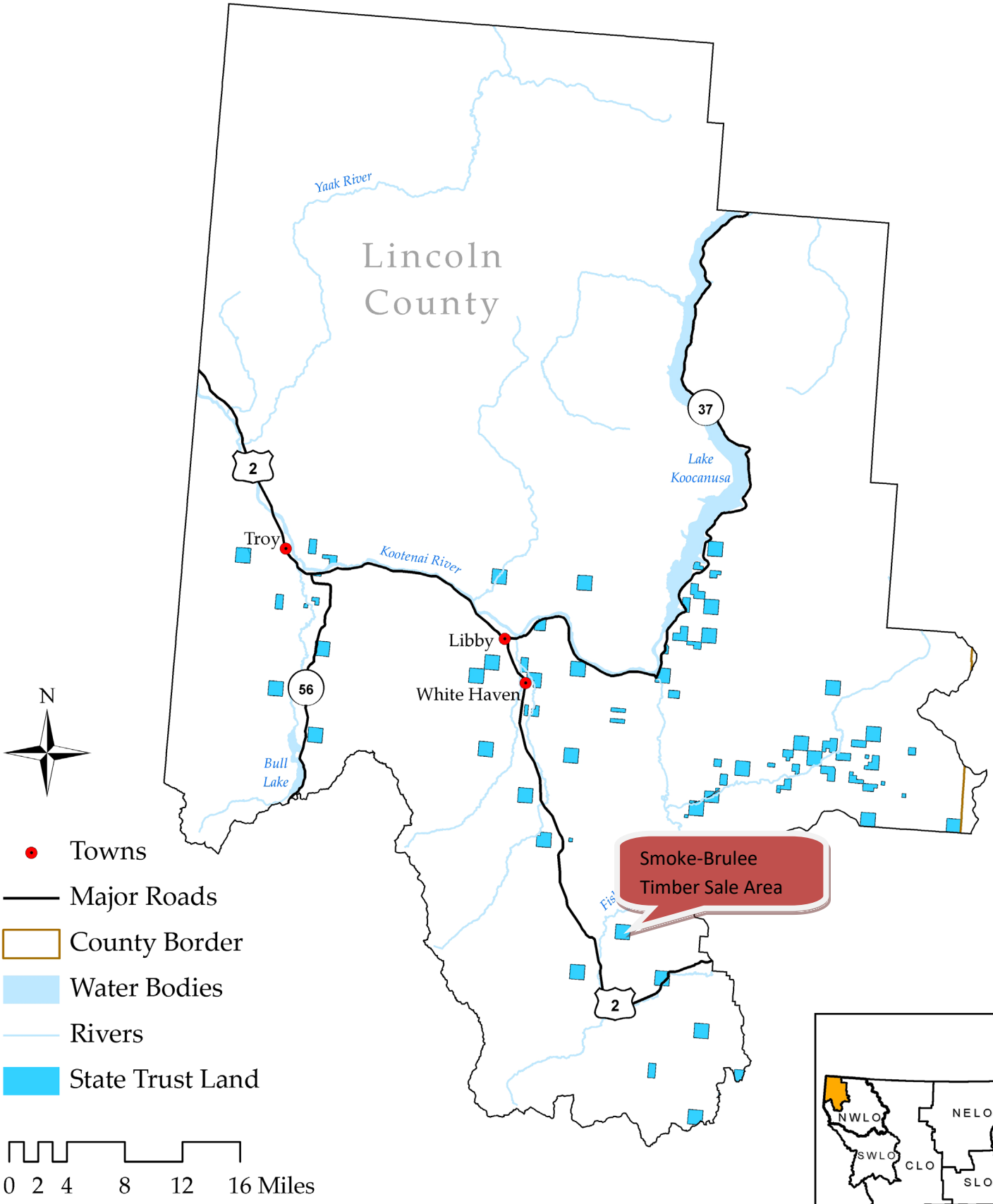
Unit #	Acres	Est Tons	Est MBF	Harvest Deadline
1	89	4,018	581	August 30, 2023
2	441	17,634	2,551	August 30, 2023
	530 Ac.	21,652 tons	3,133 MBF	

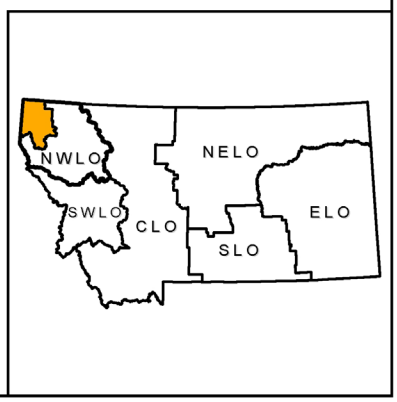
Timber Sale Information Sheet

Montana Department of Natural Resources and Conservation

Legal description by trust					Unit harvest volume		
Legal description - subdivisions	Section	Twn	Rge	Grant	Unit #	Acres	Est Tons
	16	27N	29W	CS	1	89	4,018
	16	27N	29W	CS	2	441	17,634
See Instructions for how to fill in this table							
Totals						530 Ac.	21,652 T

Smoke-Brulee TS VICINITY MAP
LIBBY UNIT





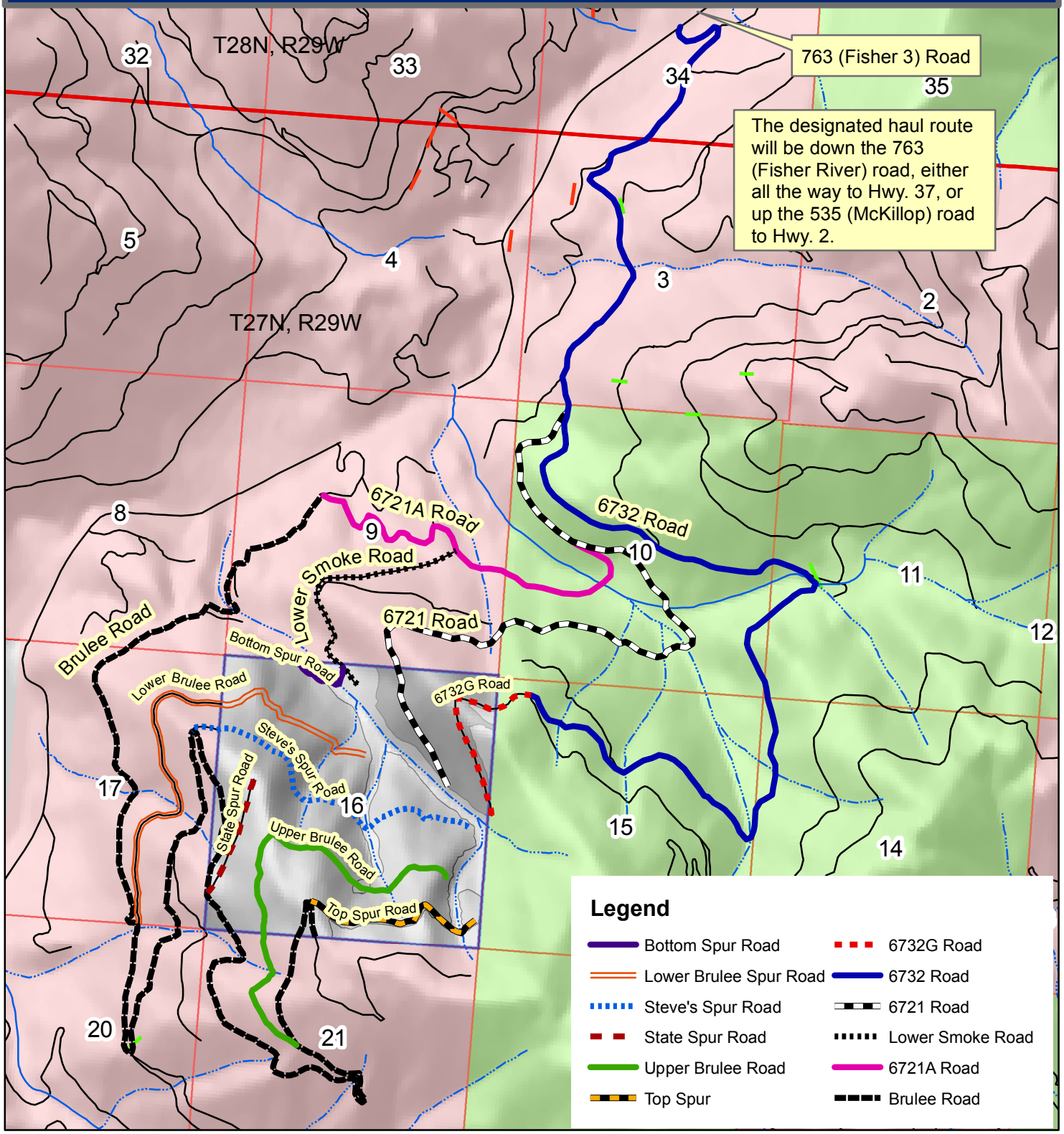
Produced by Montana Department of Natural Resources and Conservation 2013
Datum: NAD 1983 Montana State Plane

Smoke-Brulee Timber Sale

Attachment A

Area Haul Roads

Sec. 16, T27N, R29W



Montana DNRC
Northwestern Land Office
Timber

1 Miles

Map created by Dave Marsh
5-11-2018

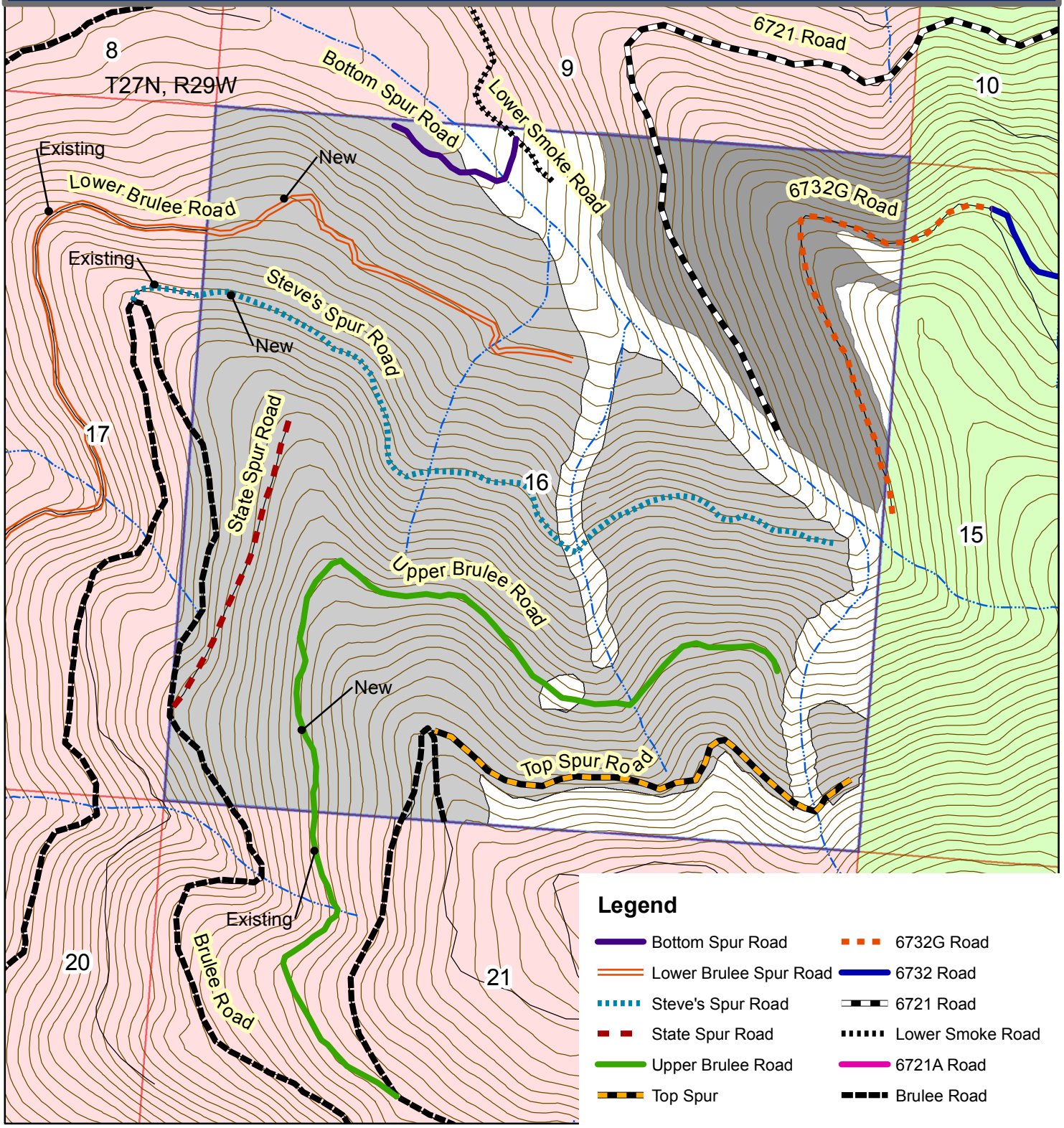
N

Smoke-Brulee Timber Sale

Attachment A

Project Area Roads

Sec. 16, T27N, R29W



Legend

- Bottom Spur Road
- Lower Brulee Spur Road
- Steve's Spur Road
- State Spur Road
- Upper Brulee Road
- Top Spur
- 6732G Road
- 6732 Road
- 6721 Road
- Lower Smoke Road
- 6721A Road
- Brulee Road

0.45 Miles

N

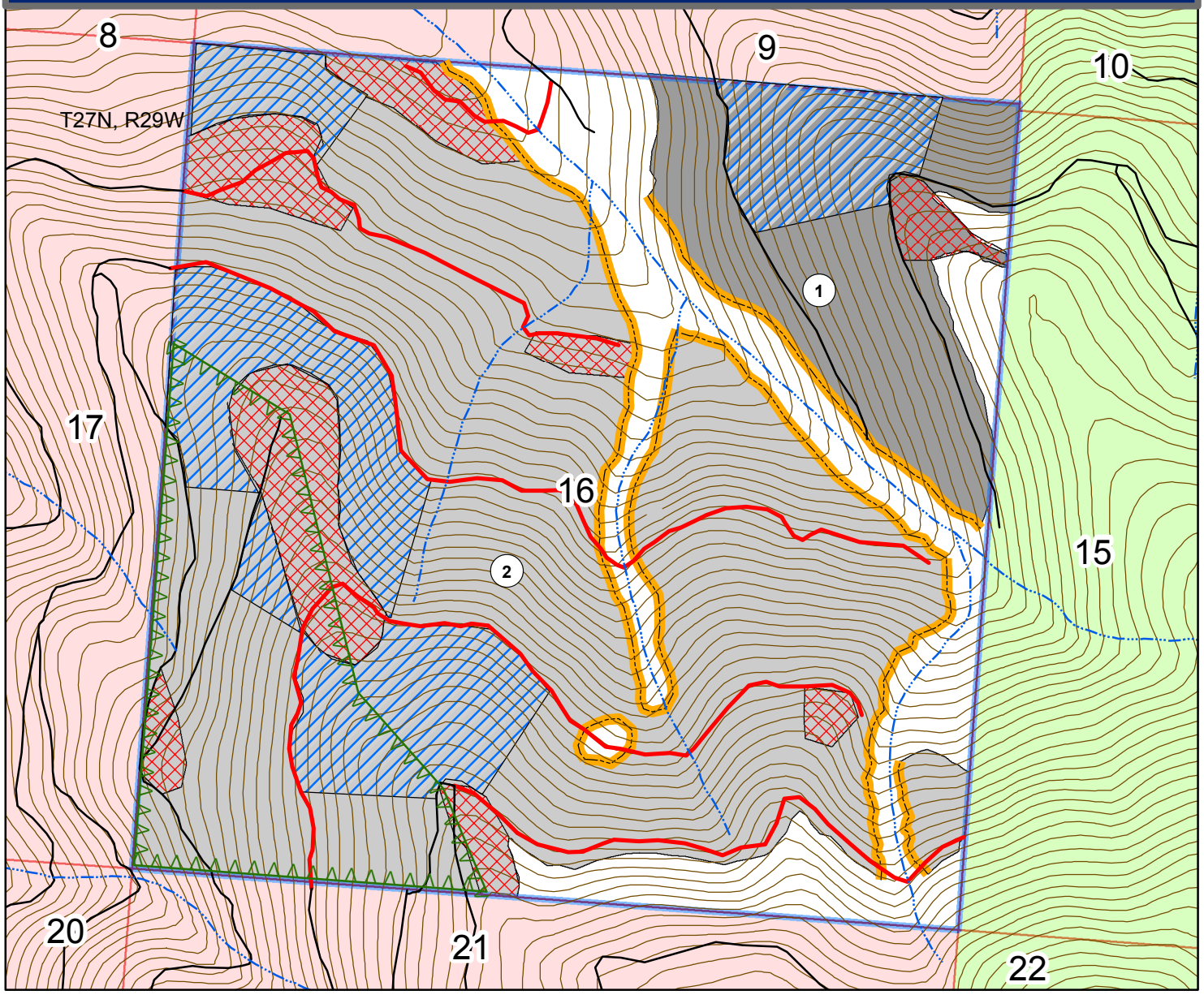
Map created by Dave Marsh
8-5-2019

Smoke - Brulee Timber Sale

Harvest Map

Sec. 16, T27N, R29W

Attachment A



Legend

- Existing roads
- Roads - New Construction
- SMZ Boundary
- Unit 1 (89.1 Ac.)
- Unit 2 - (441.3 Ac.)
- Southwest Aspect of Unit 2 (Closer leave tree spacing, and visual considerations)
- (1) Harvest Unit Number

Skyline yarding is the designated operating system for both units 1 and 2, unless otherwise shown as tractor or excaline yarding. Alternative yarding systems may be approved as per special operating requirement.

- Tractor (61.3 Ac.)
- Excaline Yarding (104 Ac.)

N

Excaline yarding areas will adjust depending on the actual location of forest officer approved yarder trails. Generally, skyline harvest from actual roads shown on map will be favored over excaline, where practical.

1 inch equals 0.19 miles

Map created by Dave Marsh
7-25-2019