

NOTICE OF SALE

GOOD NEIGHBOR AUTHORITY

Department of Natural Resources & Conservation Timber Sale

The GNA Liger Timber Sale is located within Sections 24 & 25 T30N R19W; and Sections 14, 17, 20, 23, 24, 2, 5, & 29 T30N R18W on the Flathead National Forest. Approximately 10,091 tons, consisting of mixed conifer sawlogs, are offered for sale.

Sealed bids will be opened at the Department of Natural Resources & Conservation, 2705 Spurgin Road, Missoula, Montana on July 2, 2019 at 2:00 pm. Bids may be hand delivered or mailed and will be accepted any time prior to the bid opening. **DNRC recommends that bidders contact the Forestry 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 **\$10,197.00**, 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, Forestry Division, in Missoula (406-542-4300) the Northwestern Land Office in Kalispell (406-751-2240),

Visit our website at <http://dnrc.mt.gov/divisions/forestry/forestry-assistance/good-neighbor-authority-current-timber-sales> for upcoming sales and bid results.

TIMBER SALE PROSPECTUS
STATE OF MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

Timber Sale Name: GNA Liger			
For specific sale information, contact:			
Phone	406-751-2248	Benjamin Garrett	Kalispell Unit
	406-542-4371	Neil Simpson	Forestry Assistance Bureau
For copies of the Timber Sale Contract and bid forms, contact:			
Phone	406-542-4300	Forestry Division	DNRC Missoula Office
Phone	406-751-2240	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 Forestry Assistance Bureau, Forestry 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. 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.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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. This timber sale is a State of Montana Timber Sale on Forest Service Land and is being performed under the Good Neighbor Authority. Potential Purchasers should be aware that this is a partnership, between the Montana DNRC and the US Forest Service, to increase the pace and Scale of forest restoration on National Forest System Lands. The sale is located on National Forest System Lands and the timber offered for sale is owned by the federal government.
2. Considering this is one of the first Good Neighbor Timber Sales in Montana, Good Neighbor Authority is a high priority of both agencies, and it has a high degree of public interest, the purchaser should expect increased DNRC, Forest Service, and public attention on this timber sale. The DNRC and Forest Service may wish to have public or media tours of this timber sale and we will encourage active involvement by the timber sale purchaser and their contractors.
3. Under the Good Neighbor Authority all NEPA mitigations and Forest Plan requirements must be adhered to. Specific mitigations to do so are written into the contract. The DNRC encourages potential purchasers to familiarize themselves with these mitigations prior to bidding.
4. The Timber sale was cruised and compiled using Forest Service Procedures and computer programs. Conversions were utilized to include as much sale information as possible on DNRC's Timber Sale Information Sheet.
 - Some information that is usually provided on DNRC's Timber Sale information sheets is not available, this is denoted by a strikethrough of the original text on the sheet.
 - Formulas for reaching all estimates are described on the information sheet.
 - Some rounding errors will be noticeable
5. All newly constructed roads are temporary roads and must be obliterated following hauling. A temporary closure or gate must be installed on evenings, weekends and when the road is not in use. see Attachment B for more details.
6. **HAND FIRELINE CONSTRUCTION REQUIRED:** Approximately **.49 miles** total of fuelbreak and hand fireline will be constructed see contract part VII. F. Unit Designations.
7. **SLASHING REQUIRED:** The Purchaser is required to slash down all non-merchantable material taller than 2 feet except large cull trees and snags after harvest operations are complete and approved in each unit. This includes leaners and pushovers. Stems shall be completely severed from the stump. Stumps shall not exceed 8" in height on the uphill side. Slashed material must be felled directionally so that it remains totally within the harvest unit. Slash must be piled within the unit(s) in accordance with section VII.Z.
8. **HUNTING SEASON REQUIREMENT:** Some of the access roads on the timber sale are heavily used during hunting season and will not have a closure in effect during timber sale operations. If the purchaser elects to conduct operations during hunting season they will be responsible for posting "No through Traffic" signs. The FS 38 and FS 546 roads must be passable in the evening after operations and on the weekends. No log haul will be allowed on the weekends from September 7th to November 30th.
9. **SNOWMOBILE ROUTE:** Portions of the haul route are a permitted groomed snowmobile route. If the purchaser elects to conduct operations during the permitted snowmobile season of use the purchaser must coordinate snowplowing and hauling with the DNRC, USFS, and the permittee.
10. **WHOLE TREE SKIDDING:** Purchaser will be required to whole tree skid. Trees will not be limbed or cut into log lengths before being skidded to the landings. If trees are too large to skid whole, an allowance will be made to buck the trees into log lengths with the limbs still attached to the log, and skidded to the landings.
11. Non-saw product removal is required Utilization is down to a 3" top at 16'.
12. Unlike DNRC Trust Lands Timber Sales, no Forest Improvement Fees will be charged.
13. Unlike Forest Service Timber Sales, all deposits such as KV, BD, and Road Deposits are included in the stumpage value and accounted for between the DNRC and Forest Service.
14. Electronic GPS compatible maps are available by contacting Benjamin Garrett 406-751-2248

Timber Sale Information Sheet
Montana Department of Natural Resources and Conservation

Liger GNA										
Timber Sale Cruise Data										
SPECIES	AF	DF	GF	L	LP	S	WP			TOTAL or AVE
Minimum Bid per ton										
Pounds per cubic foot	47	56	59	62	57	53	63.0			
Estimated tons of sawlogs (5.6" top DIB)*	391	6,095	9	1,252	1,106	1,238	0			10,091 tons
Estimated tons of other material (pulp, etc)*	294	1294	139	948	1346	993	3			5,017 tons
Gross MBF (Scribner 5.6" top DIB)*	73	1,098	17	212	194	222	0			1,815 MBF
% Cull and Breakage	8	10	91	8	11	8	0			10.1%
Net MBF (Scribner 5.6" top DIB)*	66	992	2	195	173	204	0			1,632 MBF
Average logs per MBF*	51.9	32.4	15.4	51.7	68.1	43.6	0			40.8 logs/MBF
Average DBH	9.4	11.5	20.2	8.8	7.3	9.6				10.4 in.
Average tons per acre harvested in leave-tree marked units	→									27 tons/ac
Average tons per acre harvested in cut-tree marked species designation units	→									25 tons/ac
Average MBF to cut per acre on the timber sale	→									4.7 MBF/ac
Range of cut trees per acre based on unit cruise	→									59-110 TPA
Calculated Sampling Error: Total cruised volume will fall between										
Tons Per Thousand Board Feet										
Contract Value - Estimated tons hauled per thousand Scribner board feet	10,091 estimated tons to a 5.6 inch top / 1,632 Net MBF Scribner to a 5.6 inch top DIB									6.18 tons/MBF

*Units cruised using USFS procedures. Conversion factors: 2.97 tons/CCF, 0.4805 MBF/CCF

Contract Information	
Contract ending date	October 1 2021
Operating Season:	July 1st-March 31st (All Units), December 1st-March 31st (Units 83 and 84)

Timber Sale Information Sheet
Montana Department of Natural Resources and Conservation

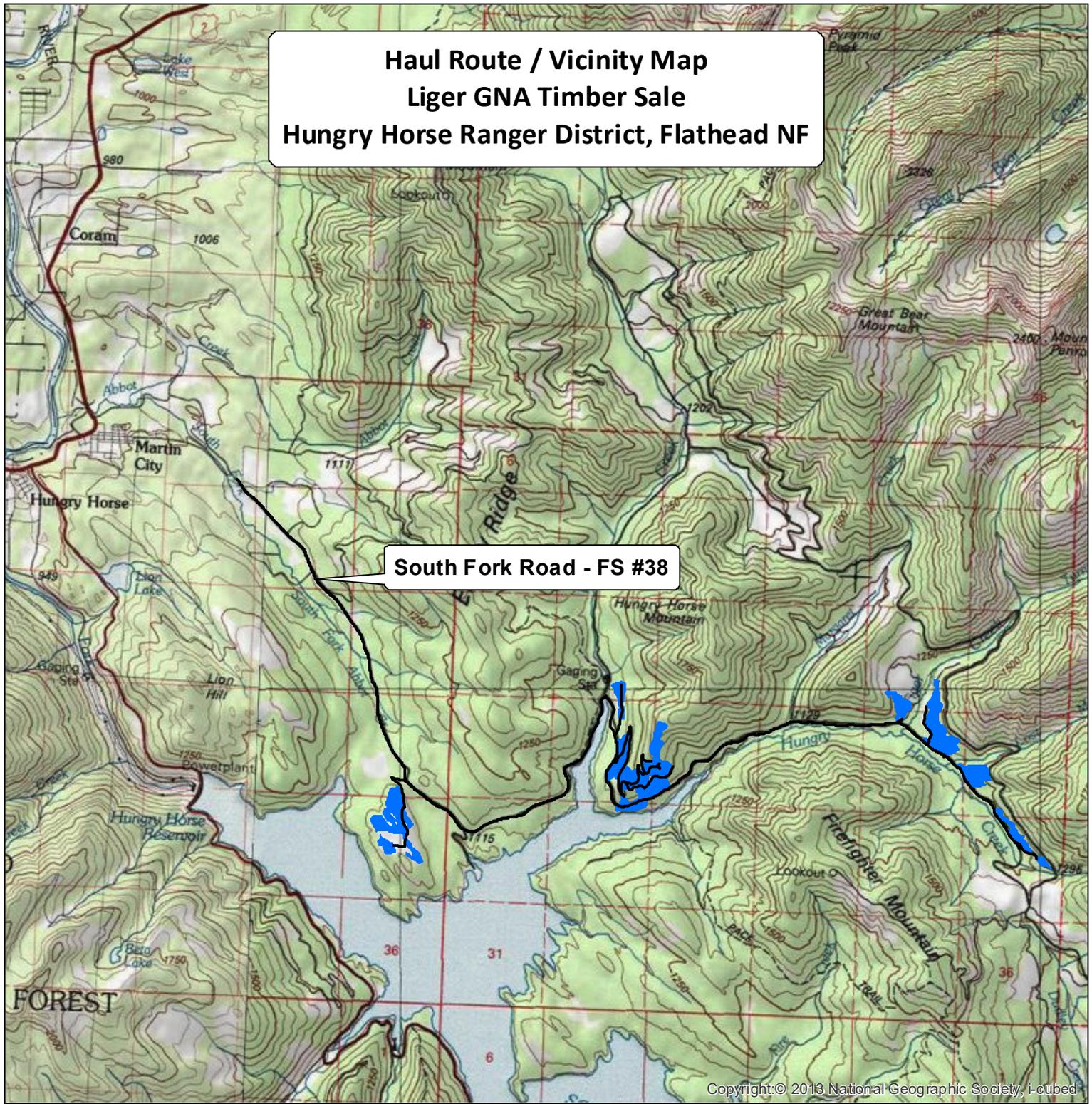
Logging Information	
% of volume logged by clearcut or seed tree cut	18%
% of volume logged with tractors	75%
% of volume logged by ground lead (jammer)	00%
% of volume logged by skyline	25%
Yarding distance tractor (average)	840 ft.
Yarding distance ground lead (average)	0 ft.
Yarding distance skyline (average)	665 ft.
Estimated haul distance (paved)	12.0 miles
Estimated haul distance (unpaved)	7.6 miles

Purchaser fees and estimated costs	
Forest Improvement fee perMBF	N/A
Forest Improvement fee per ton	N/A
Forest Improvement fee estimated total	N/A
Forest Improvement fee quarterly installment	N/A
Estimated Purchaser-do FI total \$	\$2,419
Estimated Purchaser-do FI per ton	\$0.24/ton
Estimated Purchaser-do slash disposal work total	\$8,064.00
Estimated Purchaser-do slash disposal work per ton	\$0.80/ton

Road development and maintenance fees and estimates	
Estimated road development cost total	\$29,709
Estimated road development cost per ton	\$2.94/ton
Estimated road development cost perMBF	\$18.20/MBF
Estimated Purchaser-do road maintenance cost total	\$14,399
Estimated Purchaser-do road maintenance cost per ton	\$1.43/ton
Private road maintenance charges per ton	\$0.00/ton
USFS road maintenance charges per ton	\$0.00/ton
Miles of road construction	1.3 miles
Miles of road reconstruction	3.1 miles
Miles of road with site improvements	0.0 miles
Miles of road reclamation or abandonment	3.8 miles
Miles of road maintenance and blading	19.1 miles

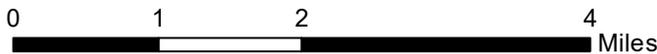
Unit harvest volume					
Unit #	Method	Acres	Est Tons	Est MBF	Harvest date
19	Tractor	69	1,112	179	October 1 2020
20	Tractor	10	163	26	October 1 2020
37	Skyline	11	205	33	October 1 2021
37A	Tractor	4	72	12	October 1 2021
37B	Cable	1	25	4	October 1 2021
39	Tractor	21	389	63	October 1 2021
40	Tractor	30	553	89	October 1 2021
41	Skyline	28	1,721	278	October 1 2021
41A	Tractor	15	900	105	October 1 2021
41S	Skyline	9	566	92	October 1 2021
41T	Tractor	11	643	146	October 1 2021
45	Tractor	15	245	39	October 1 2021
76	Tractor	20	367	59	October 1 2021
77	Tractor	51	832	134	October 1 2021
78	Tractor	31	509	82	October 1 2021
78A	Tractor	21	341	55	October 1 2021
78B	Tractor	4	70	11	October 1 2021
83	Tractor	15	247	40	October 1 2021
84	Tractor	19	1,131	184	October 1 2021
		387 Ac.	10,091 tons	1,632 MBF	

**Haul Route / Vicinity Map
Liger GNA Timber Sale
Hungry Horse Ranger District, Flathead NF**



South Fork Road - FS #38

— Haul Route
■ Liger Harvest Units

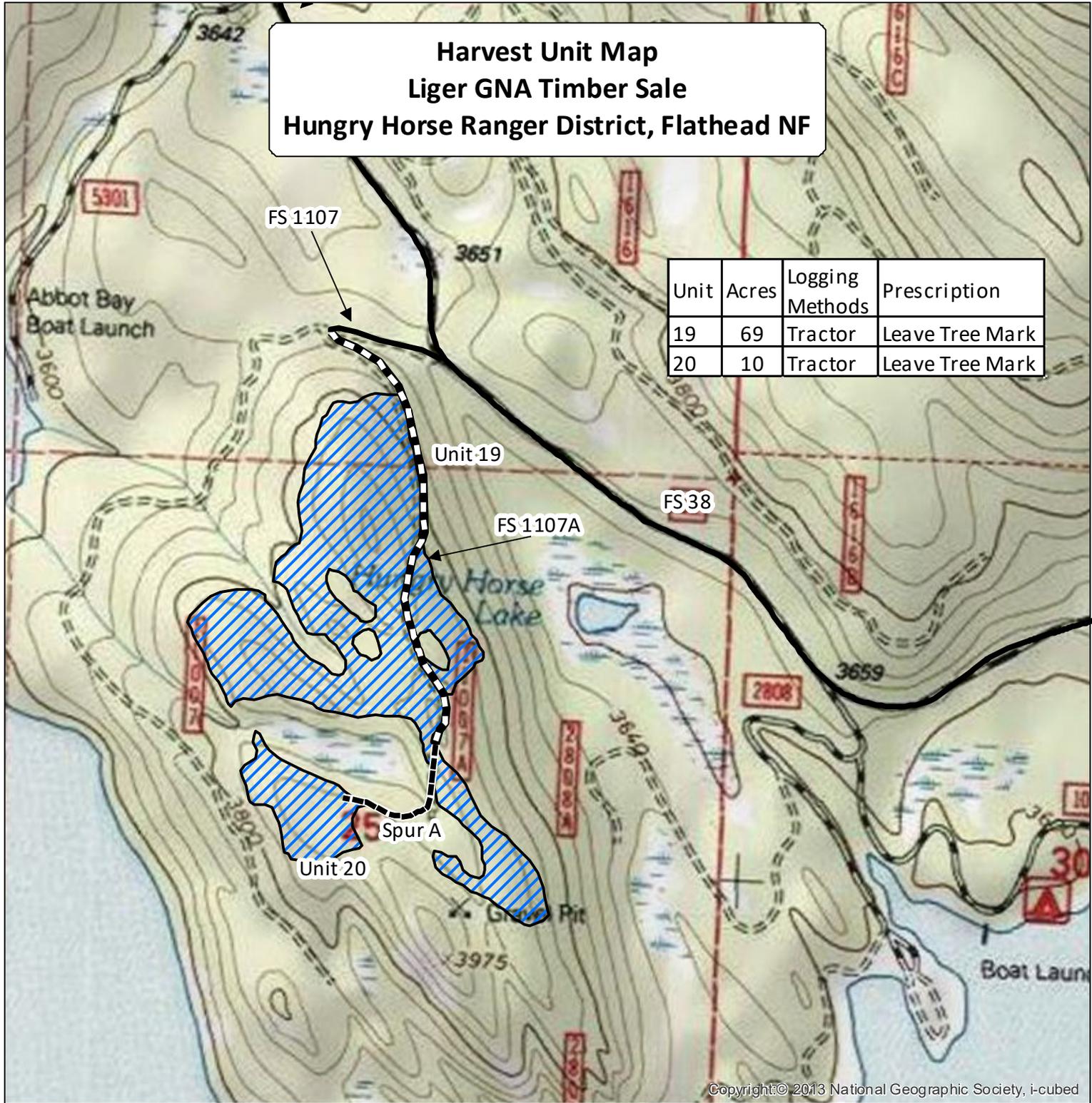


Copyright © 2013 National Geographic Society, i-cubed

Attachment A-1

Map by Ben Garrett
02/19/2019

**Harvest Unit Map
Liger GNA Timber Sale
Hungry Horse Ranger District, Flathead NF**



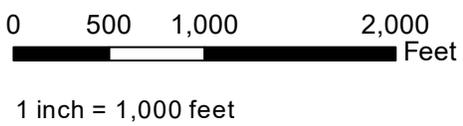
Unit	Acres	Logging Methods	Prescription
19	69	Tractor	Leave Tree Mark
20	10	Tractor	Leave Tree Mark

Haul Route

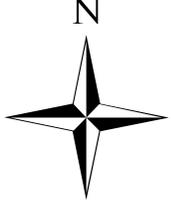
- Maintain as needed
- Reconstruct
- Reconstruct / abandon
- Proposed Temporary Construction
- Fireline Construction

Logging Methods

- Ground
- Skyline
- Equipment Restriction Zone



Attachment A-2



Map by Ben Garrett
02/19/2019

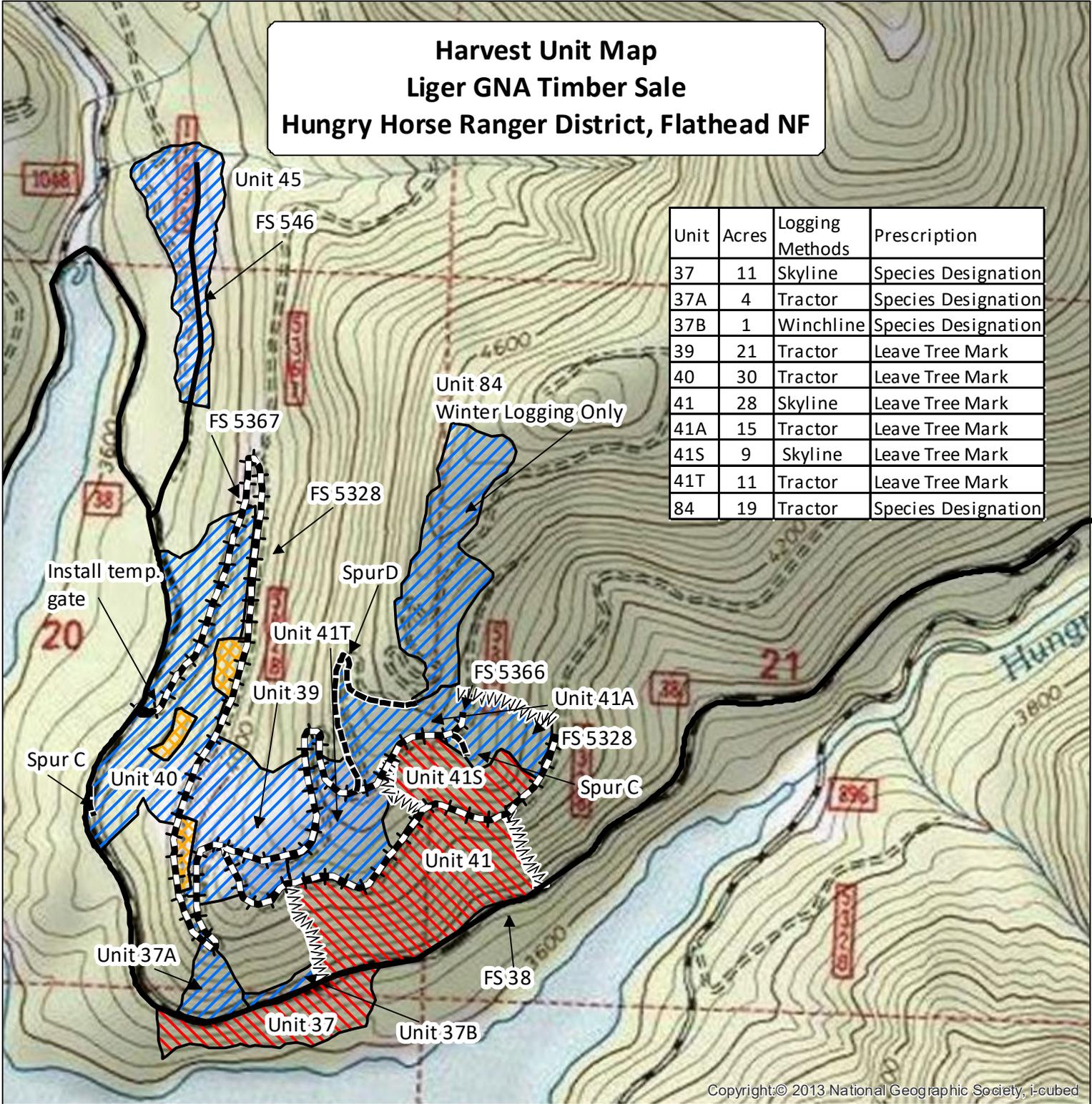
Copyright © 2013 National Geographic Society, i-cubed

Harvest Unit Map

Liger GNA Timber Sale

Hungry Horse Ranger District, Flathead NF

Unit	Acres	Logging Methods	Prescription
37	11	Skyline	Species Designation
37A	4	Tractor	Species Designation
37B	1	Winchline	Species Designation
39	21	Tractor	Leave Tree Mark
40	30	Tractor	Leave Tree Mark
41	28	Skyline	Leave Tree Mark
41A	15	Tractor	Leave Tree Mark
41S	9	Skyline	Leave Tree Mark
41T	11	Tractor	Leave Tree Mark
84	19	Tractor	Species Designation



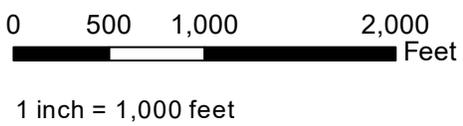
Copyright © 2013 National Geographic Society, i-cubed

Haul Route

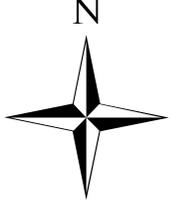
- Maintain as needed
- Reconstruct
- Reconstruct / abandon
- Proposed Temporary Construction
- Fireline Construction

Logging Methods

- Ground
- Skyline
- Equipment Restriction Zone

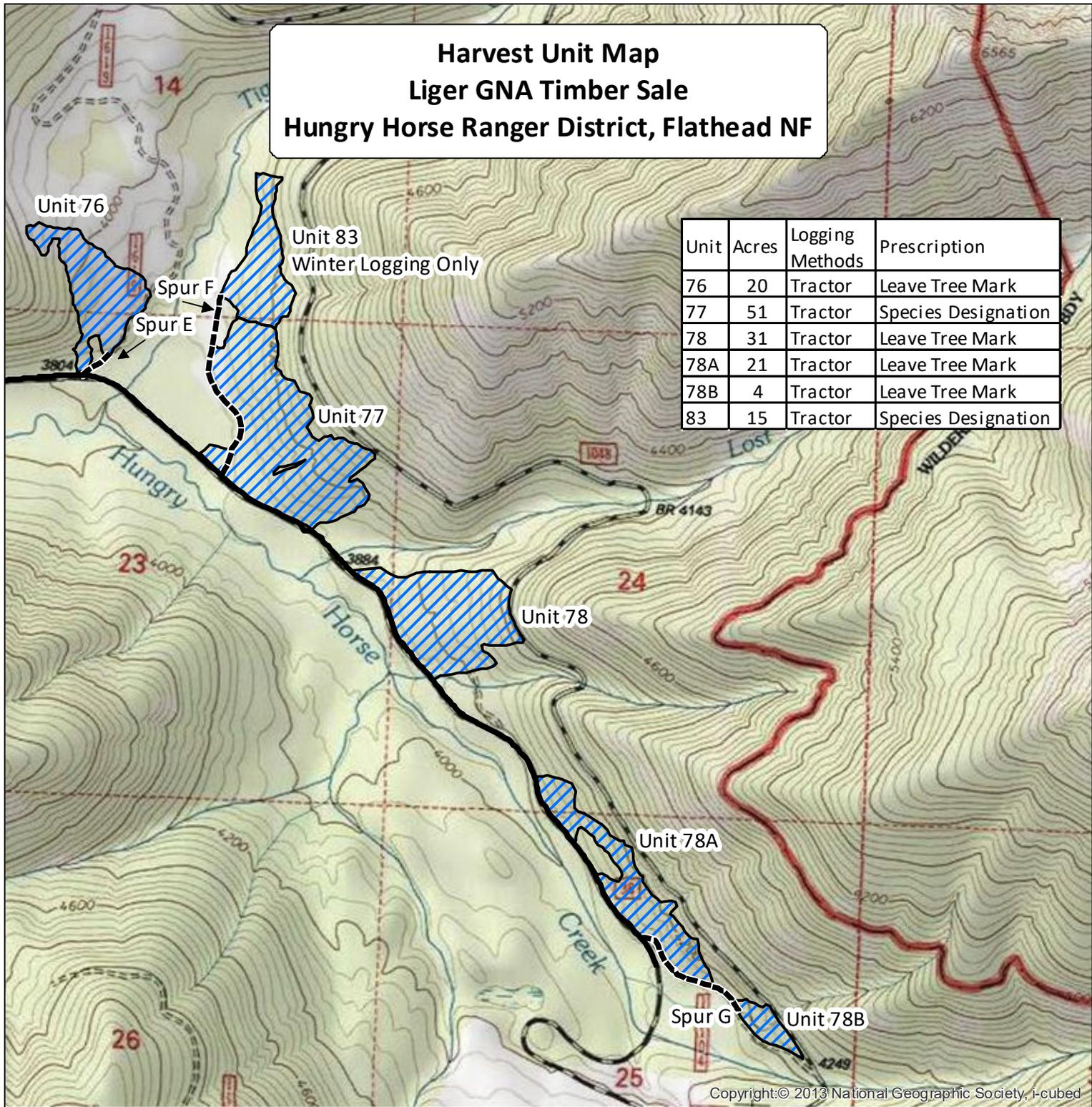


Attachment A-3



Map by Ben Garrett
02/19/2019

Harvest Unit Map Liger GNA Timber Sale Hungry Horse Ranger District, Flathead NF



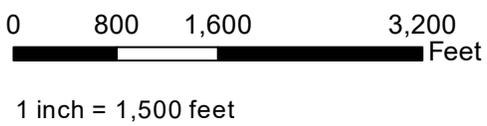
Unit	Acres	Logging Methods	Prescription
76	20	Tractor	Leave Tree Mark
77	51	Tractor	Species Designation
78	31	Tractor	Leave Tree Mark
78A	21	Tractor	Leave Tree Mark
78B	4	Tractor	Leave Tree Mark
83	15	Tractor	Species Designation

Haul Route

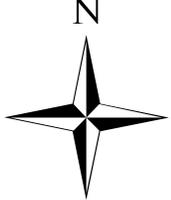
- Maintain as needed
- Reconstruct
- Reconstruct / abandon
- Proposed Temporary Construction
- Fireline Construction

Logging Methods

- Ground
- Skyline
- Equipment Restriction Zone



Attachment A-4



Map by Ben Garrett
02/19/2019

Copyright © 2013 National Geographic Society, i-cubed