

NOTICE OF SALE

Department of Natural Resources & Conservation Timber Sale

The GNA Taylor Hellroaring timber sale is located within Sections 8, 17, 20, 21, 26, & 27 of T32N – R22W; and Section 11 of T31N-R22W on the Flathead National Forest, approximately 34,787 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 1, 2020 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 **\$21,112.00**, 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), DNRC Kalispell Unit (406-751-2241)

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 Taylor Hellroaring			
For specific sale information, contact: Caleb Deitz			
Phone	406-751-2264		Kalispell Unit
For copies of the Timber Sale Contract and bid forms, contact:			
Phone	406-542-4300	Forestry Division	DNRC Missoula Office
Phone	406-		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. 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.
2. 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.
3. Conversions where 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

OPERATIONAL SOR

1. PURCHASER CUT TREE SELECTION: Trees are required to be cut if they meet the following criteria. Specifications labeled LTM are marked in orange paint:

- a. Species Designation Cutting: Units # 1, 2, 3
 - Leave all WP, WH, WRC and PP (SD)
 - Cut all other species unless marked with orange paint (DF and WL only)
- b. Species Designation Cutting Units 6A, 6B, 7A, 7B, 8, 14A, 14B, 19, 30A, 30B, 34A, 34B
 - . Leave all WL, WP, WH, WRC and PP (SD)
 - a. Leave all DF >25" DBH (LTM)
- c. Species Designation Cutting Units 13, 17, 21, 22, 27
 - . Leave all WL, WP, WH, WRC and PP (SD)
 - a. Leave all DF >25" DBH (LTM)
- d. Species Designation Cutting Unit #42
 - . Leave all DF, WL, WP, WH, WRC and PP (SD)
 - a. Leave all WBP in unit (LTM)
- e. Species Designation Cutting: Units # 43, 52, 53
 - . Leave all WL, WP, WH, WRC and PP (SD)
 - a. Leave all DF >25" DBH (LTM, likely none)
 - b. Leave all WBP in unit (LTM)
- f. Species Designation by Spacing Cutting: Units # 9A, 9B, 9C, 9D, 11, 28A, 28B, 29A, 29B, 31, 50B, 50C
 - . All white pine, western hemlock, western redcedar, ponderosa pine, and whitebark pine shall be left as leave trees, unless marked with Blue paint. Cut all subalpine fir and grand fir. Leave the largest stump diameter live western larch, or if none are present leave the largest Douglas-fir, or if none are present leave the largest Engelmann spruce, or if none are present leave the largest lodgepole pine trees of the designated cut species, 8 inches stump diameter or greater, to avoid leave tree spacing greater than 18 feet. Cutting unit boundaries and other trees that shall be left uncut are marked with Orange paint. Distances are measured horizontal distances, outside bark stump height to outside bark stump height. Stump diameter is measured outside bark at stump

height in a horizontal plane and is the average of a measurement across the short axis through the true center of the stump and a second measurement at right angles to the short axis.

- g. If the Purchaser fails to meet the prescription, the Forest Officer will suspend cutting operations and the Purchaser may be required to mark leave trees and have marking approved by the Forest Officer prior to resuming harvest.
2. SKYLINE YARDING REQUIREMENTS: A skyline yarding system capable of yarding 1,600-2,000 feet external yarding distance uphill must be used. A carriage capable of 50 feet minimum lateral yarding distance is required. The carriage must maintain a fixed position on the skyline while lateral yarding.
- a. Skyline corridors shall be spaced not less than 75 feet apart unless approved by the Forest Officer. In the case of ridges where fan-shaped settings are required, the minimum distance at the widest divergence will be 150 feet unless topographic features or safety concerns preclude this distance.
 - b. The location of all skyline corridors shall be approved by the Forest Officer in advance of any felling operations.
 - c. Purchaser will be required to locate the following prior to approval by the Forest Officer:
 - all corridors after determining adequate deflection (minimum 5%)
 - tail trees or tail holds
 - intermediate support tree
 - guyline anchors
 - blind leads
 - decking areas
 - d. Clearing width for corridors must be kept to the absolute minimum necessary to accommodate yarding and shall not exceed 16 feet.
 - e. Except for lateral yarding, logs shall be yarded with one end suspended or fully suspended.
 - f. Multi-span skyline yarding required: To obtain adequate deflection, intermediate supports may be required on some corridors.
 - g. High tail trees required: Tail trees or lift trees suitable to obtain adequate deflection may be required.
 - h. When rigging is attached to trees not designated for cutting, tree plates or similar effective protective devices may be required and will be removed at completion of use.
 - i. Mobile tailholds or mobile guyline anchors are restricted to areas where it is not necessary to build constructed trails for equipment access unless agreed upon in writing by the Forest Officer.
 - j. In the event that special problems outside the scope of the skyline logging specifications are identified by either party, the Purchaser and the Forest Officer will mutually agree upon the solution.
3. 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. Slash sapling size trees within 200 feet of whitebark pine trees. 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.
4. LONG DISTANCE GROUND-BASED YARDING OF 1,800-4,000 FEET REQUIRED: Yarding distances of 1,800-4,000 feet are required in this unit. A combination of methods and equipment may be approved by the Forest Officer.
5. CUT-TO-LENGTH FORWARDING REQUIRED: The purchaser must use a six wheel or more wheeled log forwarder for skidding. Tops and limbs are to be left in the woods and, to the extent possible, used to minimize soil disturbance in skid trails.

6. 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.
7. UNIT PILING REQUIRED: Purchaser must pile slash within the harvest unit as directed by Forest Officer, as well as pile slash at the landing in accordance with VII.T Piles shall be no more than 15 feet wide and 15 feet tall within the units and shall be free from dirt and stumps.
8. 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.
9. WINTER TIMING RESTRICTION: No operations may occur from December 1- April 15 to protect elk and deer winter range and grizzly bear denning habitat. This applies to units 22, 34A&B, 42, 43,44A-D, 46, 47A&B., 51, 52, 53. See attachment A timing restriction map.
10. EARLY UNIT COMPLETION DEADLINE: Units 44 a-d, 46 and 47 a-b must be completed in the first full operational window. Operational window is defined as July 1 – November 30.
11. MACHINE FIRE LINE: Firelines shall be constructed by excavator around the perimeter of the cutting unit or at locations as shown on the Hazard Reduction and Site Preparation Map. A fuelbreak shall be cleared of all vegetative debris larger than 1 inch large end diameter and 4 feet long or longer for a minimum width of 20 feet. All vegetative material removed from the fuelbreak shall be scattered within the unit and not windrowed or otherwise concentrated adjacent to the fuelbreak. On the exterior one third of the fuelbreak a fireline will be constructed so that a continuous mineral soil line not less than 2 feet and not greater than 4 feet in width shall be cleared completely to expose mineral soil. Slash will not be buried or covered with dirt during the construction of the fireline. The total width of the fireline and fuelbreak will not exceed 30 feet. Large fuels, such as chunks of logs, will be placed in line up and down the slope during fuel break construction.

Timber Sale Information Sheet
Montana Department of Natural Resources and Conservation

Page 1

Taylor Hellroaring										
Timber Sale Cruise Data										
SPECIES	GF	AF	L	S	LP	WP	PP	DF	C	TOTAL or AVE
Minimum Bid per ton										
Pounds per cubic foot										
Estimated tons of sawlogs (5.6" top DIB)	876	8,123	2,960	2,215	5,982	0	64	14,567	0	34,787 tons
Estimated tons of other material (pulp, etc)	312	4248	1062	450	1924	0	0	5694	0	13,690 tons
Gross MBF (Scribner 5.6" top DIB)	197	2,051	667	442	1,311	0	11	3,359	0	8,037 MBF
% Cull and Breakage	36%	52%	36%	20%	32%	0%	0%	39%	0%	28.2%
Net MBF (Scribner 5.6" top DIB)	145	1,347	491	367	992	0	11	2,415	0	5,768 MBF
Average logs per MBF	34.5	39.7	55.8	27.1	54.5	0	0	34	0	
Average DBH	11.8	10.3	8.8	11.2	8.5	0	0	11.1	0	
Average tons per acre harvested in leave-tree marked units	—————>									
Average tons per acre harvested in cut-tree-marked units	—————>									
Average MBF to cut per acre on the timber sale	—————>									
Range of cut trees per acre based on unit cruise	—————>									
Calculated Sampling Error: Total cruised volume will fall between	—————>									
Tons Per Thousand Board Feet										
Contract Value - Estimated tons hauled per thousand Scribner board feet	34,787 estimated tons to a 5.6 inch top / 5,768 Net MBF Scribner to a 5.6 inch top DIB									6.03 tons/MBF

Contract Information		
Contract ending date	10/31/2023	
Operating Season:	July 1- March 31 2020-2023 as road and site conditions allow most units. Units # 22, 34 A-B,42, 43, 44 A-D, 46, 47 A-B, 51, 52, 53 are summer logging only (July 1- November 30)	

Timber Sale Information Sheet
Montana Department of Natural Resources and Conservation

Page 2

Logging Information	
% of volume logged by clearcut or seed tree cut	46%
% of volume logged with tractors	41%
% of volume logged by cut to length	04%
% of volume logged by skyline	55%
Yarding distance tractor (average)	922 ft.
Yarding distance cut to length (average)	827 ft.
Yarding distance skyline (average)	651 ft.
Estimated haul distance (paved)	17.0 miles
Estimated haul distance (unpaved)	15.0 miles

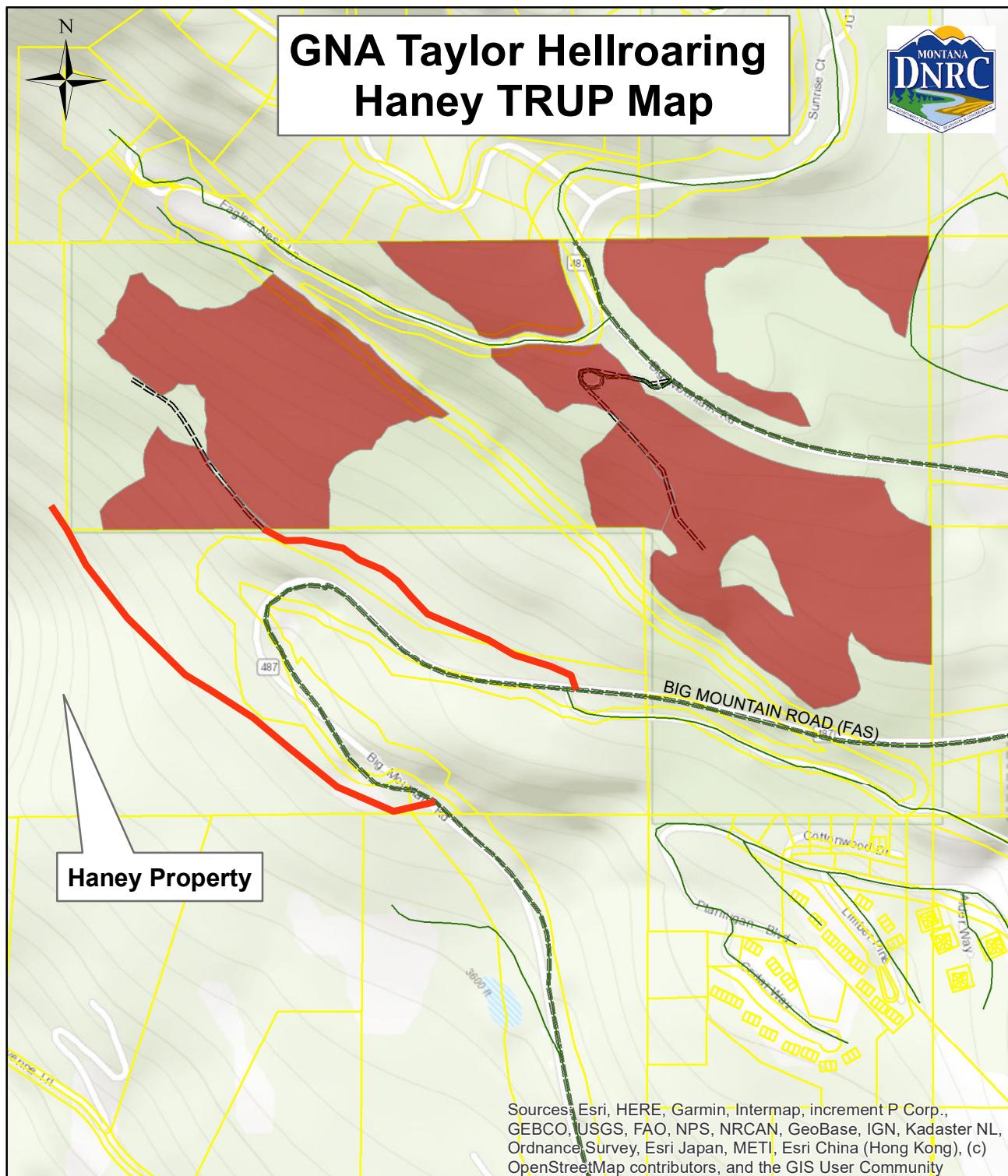
Road development and maintenance fees and estimates	
Estimated road development cost total	
Estimated road development cost per ton	\$0.00/ton
Estimated road development cost perMBF	\$0.00/MBF
Estimated Purchaser-do road maintenance cost total	\$123,424
Estimated Purchaser-do road maintenance cost per ton	\$3.55/ton
Private road maintenance charges per ton	\$0.00/ton
USFS road maintenance charges per ton	\$0.00/ton
Miles of road construction	0.0 miles
Miles of road reconstruction	
Miles of road with site improvements	
Miles of road reclamation or abandonment	
Miles of road maintenance and blading	

Purchaser fees and estimated costs	
Forest Improvement fee perMBF	N/A
Forest Improvement fee per ton	\$0.00/ton
Forest Improvement fee estimated total	\$0.00
Forest Improvement fee quarterly installment	\$0.00
Estimated Purchaser-do FI total \$	\$67,439
Estimated Purchaser-do FI per ton	\$1.94/ton
Estimated Purchaser-do slash disposal work total	\$4,310.00
Estimated Purchaser-do slash disposal work per ton	\$0.12/ton

Timber Sale Information Sheet
Montana Department of Natural Resources and Conservation

Page 3

Unit harvest volume									
Unit #	Acres	Est Tons	Est MBF	date	Unit #	Acres	Est Tons	Est MBF	Harvest date
1	16.7	856.7845	142.05487	30-Sep-23	25	33.8	1736.493	287.91054	"
2	15.1	776.5505	128.75207	"	27	21.5	1298.0715	215.22025	"
3	2.6	134.6785	22.329695	"	28A	14.1	429.825	71.264985	"
4A	4.3	220.6435	36.582692	"	28B	21.4	641.872	106.42238	"
4B	32.4	1664.8555	276.03304	"	29A	9.2	280.819	46.55979	"
5A	14.7	842.457	139.67937	"	29B	7.5	226.3745	37.532892	"
5B	10.2	587.4275	97.39548	"	30A	18.1	1091.7555	181.01306	"
6A	5.7	343.86	57.011988	"	30B	9	604.6205	100.24608	"
6B	18.6	1123.276	186.23916	"	31	6	180.5265	29.931294	"
7A	6.5	392.5735	65.088686	"	32	6.9	355.322	58.912388	"
7B	6.7	404.0355	66.989086	"	33	4.3	220.6435	36.582692	"
9A	3.2	94.5615	15.678297	"	34A	40.4	2438.5405	404.31001	"
9B	6.4	194.854	32.306793	"	34B	2.3	137.544	22.804795	"
9C	33.6	1011.5215	167.71026	"	42	23.1	931.2875	154.40747	"
9D	7.5	226.3745	37.532892	"	43	23.1	931.2875	154.40747	"
10A	2.3	131.813	21.854595	"	44A	4.3	252.164	41.808791	End of first operating period
10B	7.2	412.632	68.414386	"	44B	20.6	1209.241	200.49216	End of first operating period
11	8.1	243.5675	40.383492	"	44C	27.8	1633.335	270.80694	End of first operating period
13	5.1	306.6085	50.835689	"	44D	3.1	183.392	30.406394	End of first operating period
14A	13.2	796.609	132.07777	"	46	6.4	329.5325	54.636489	End of first operating period
14B	4.7	283.6845	47.03489	"	47A	6.4	366.784	60.812787	End of first operating period
17A	14	845.3225	140.15447	"	47B	3.1	180.5265	29.931294	End of first operating period
17B	1.9	114.62	19.003996	"	50A	1.7	94.5615	15.678297	"
19	9.9	598.8895	99.295879	"	50B	3.3	97.427	16.153397	"
20	5.7	329.5325	54.636489	"	50C	22.9	687.72	114.02398	"
21	3.4	206.316	34.207193	"	51	3.5	203.4505	33.732093	"
22	40.3	2432.8095	403.35982	"	52	11.9	479	79.341683	"
23A	9.9	507.1935	84.092682	"	53	10.2	410	67.939286	"
23B	14.7	753.6265	124.95127	"		697 Ac.	34,787 tons	5,768 MBF	
24	6.2	318.0705	52.736089	"					



Legend

— Haney Trup

==== Roads

■ Units

Map By: Caleb Deitz
03/12/2020

GNA Taylor Hellroaring Haul Map - Holbrook



East Lakeshore Rd.

Big Mountain Rd.

Legend

Haul Road

Units

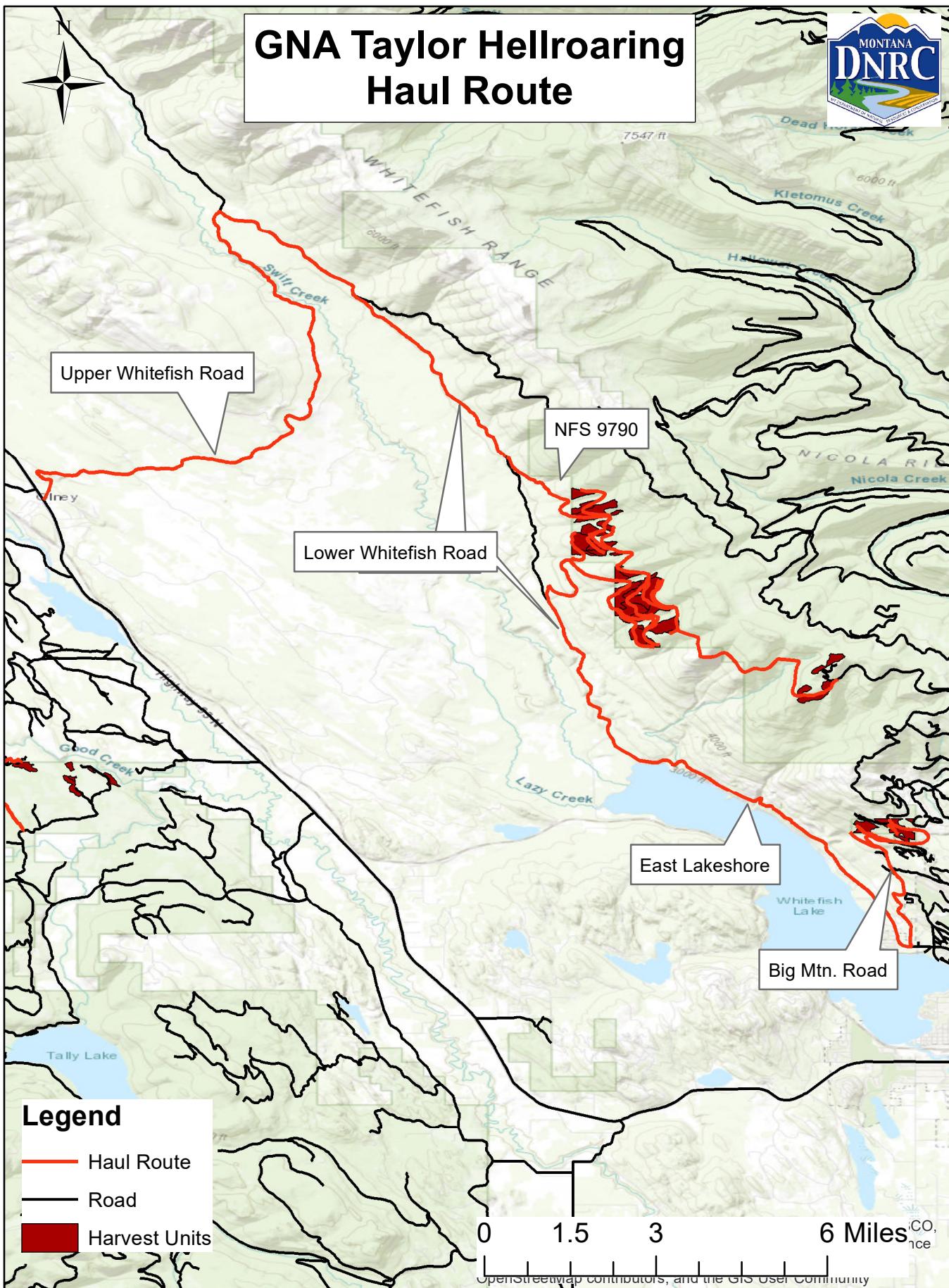
0 0.175 0.35 0.7 Miles

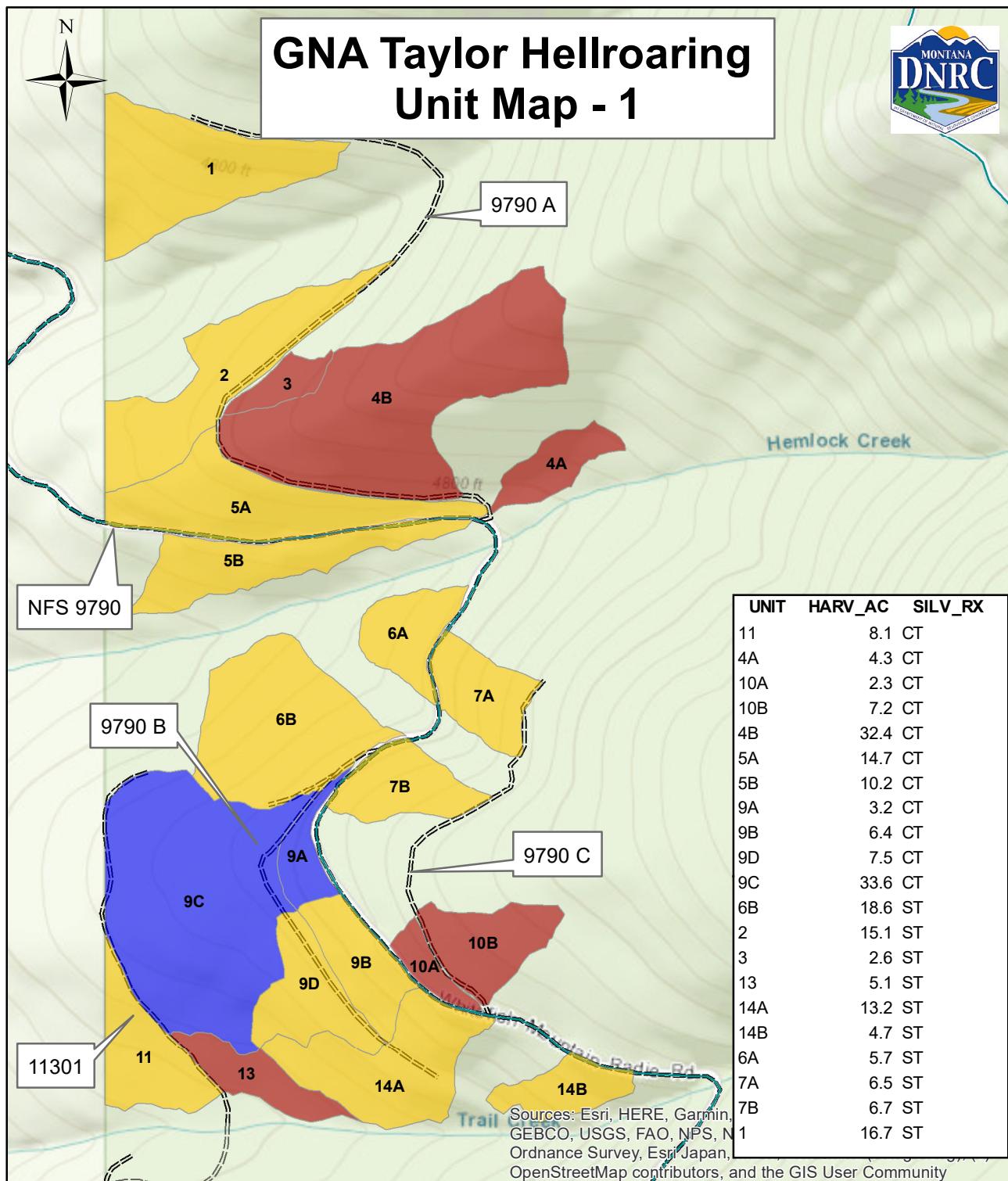


GNA Taylor Hellroaring Haul Map

Main Block







Legend

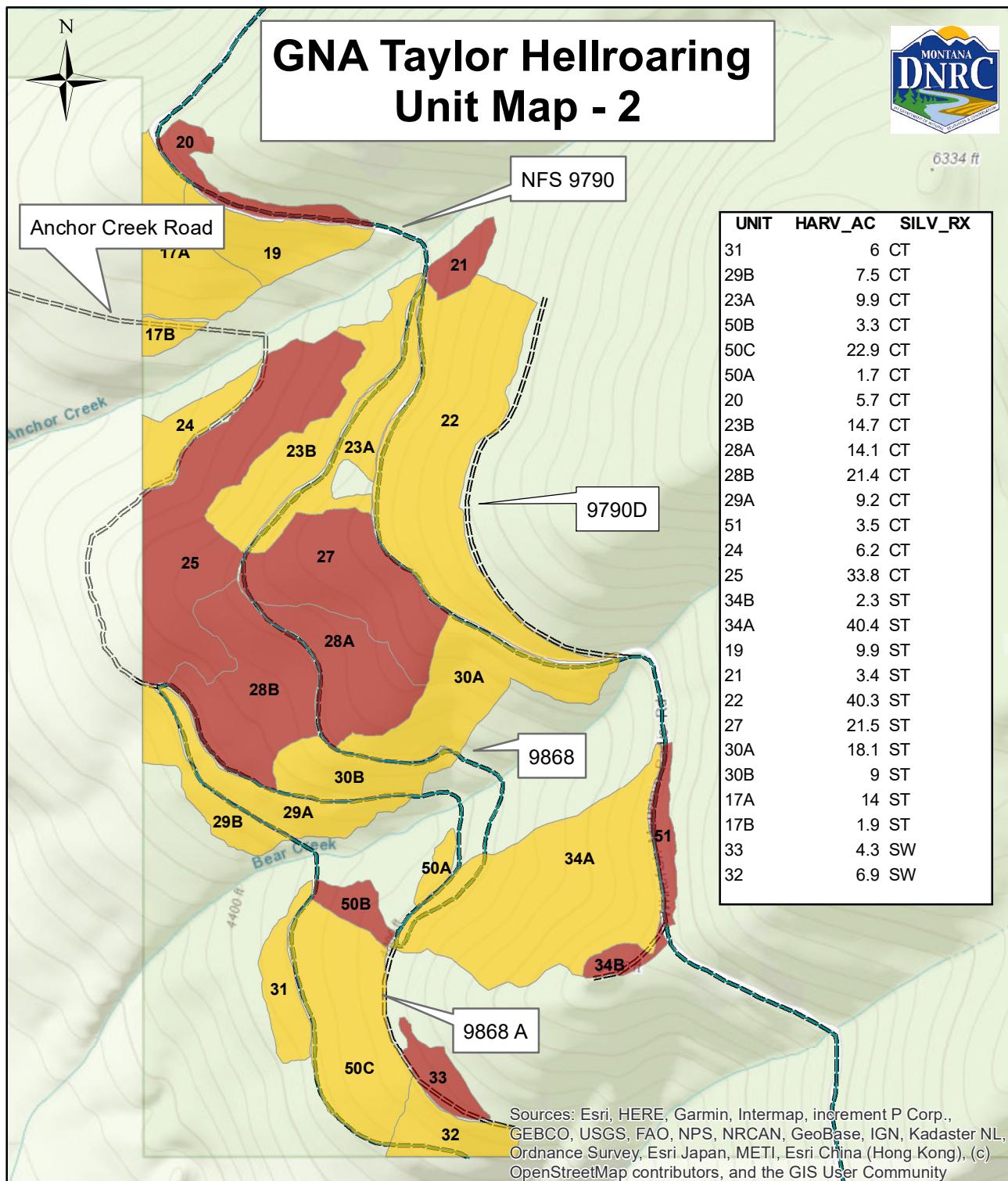
Units ===== Roads

Logging Sys

	CTL
	Skyline
	Tractor

0 0.125 0.25 0.5 Miles

Map By: Caleb Deitz
03/12/2020



Legend

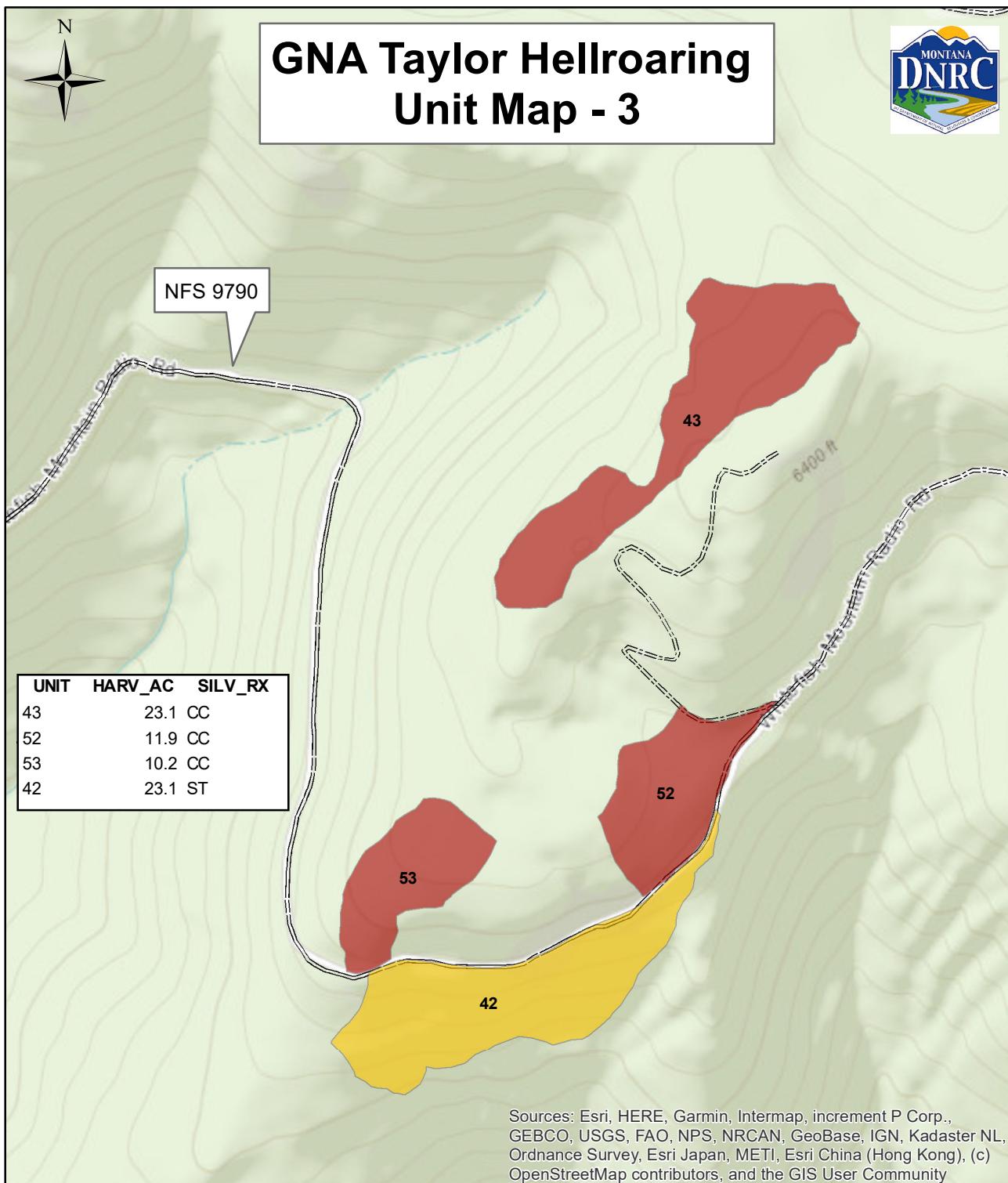
Units ===== Roads

Logging Sys

	CTL
	Skyline
	Tractor

0 0.175 0.35 0.7 Miles

Map By: Caleb Deitz
03/12/2020



Legend

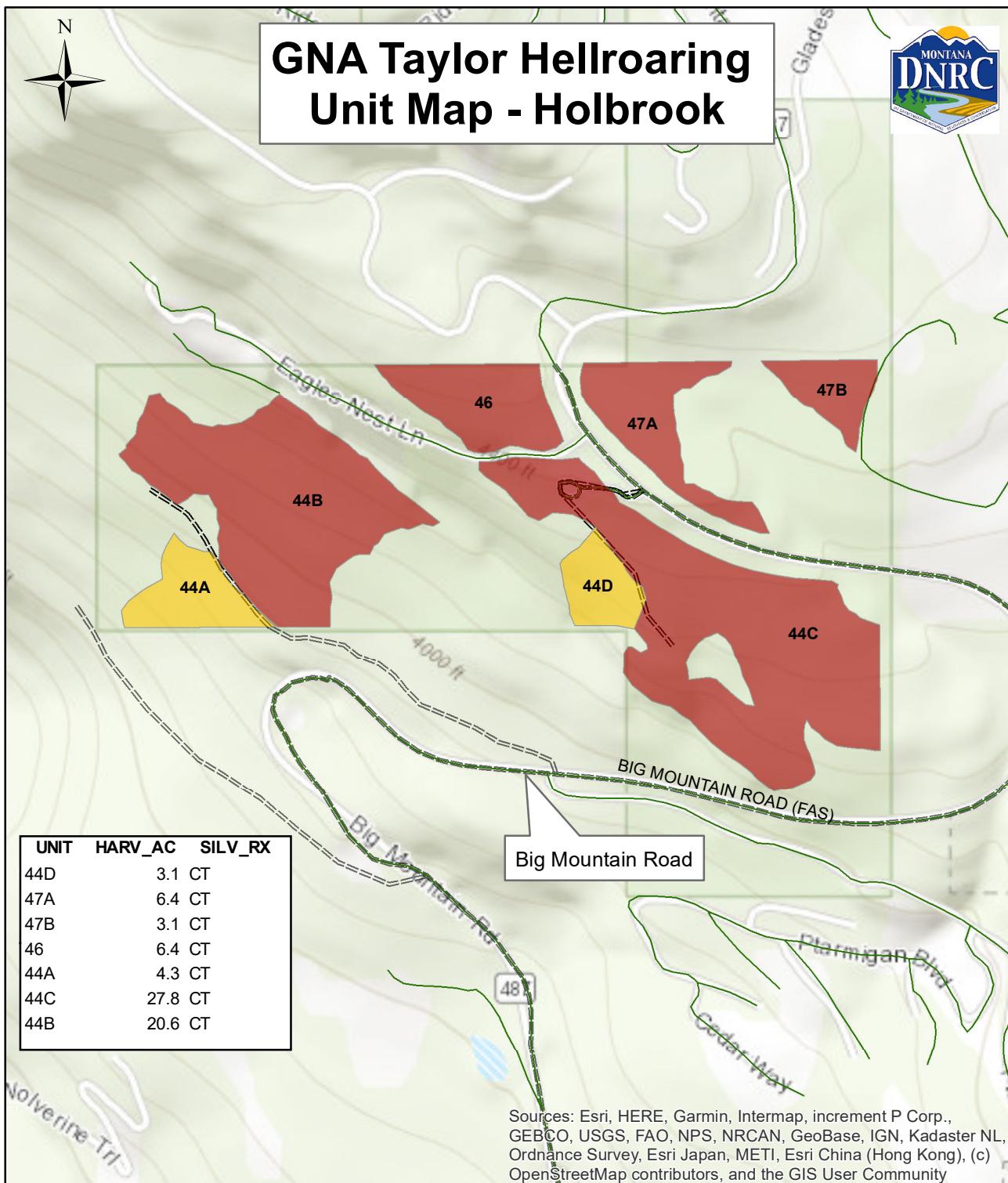
Units ===== Roads

0 0.125 0.25 0.5 Miles

LoggingSys

- CTL
- Skyline
- Tractor

Map By: Caleb Deitz
03/12/2020



Units Roads

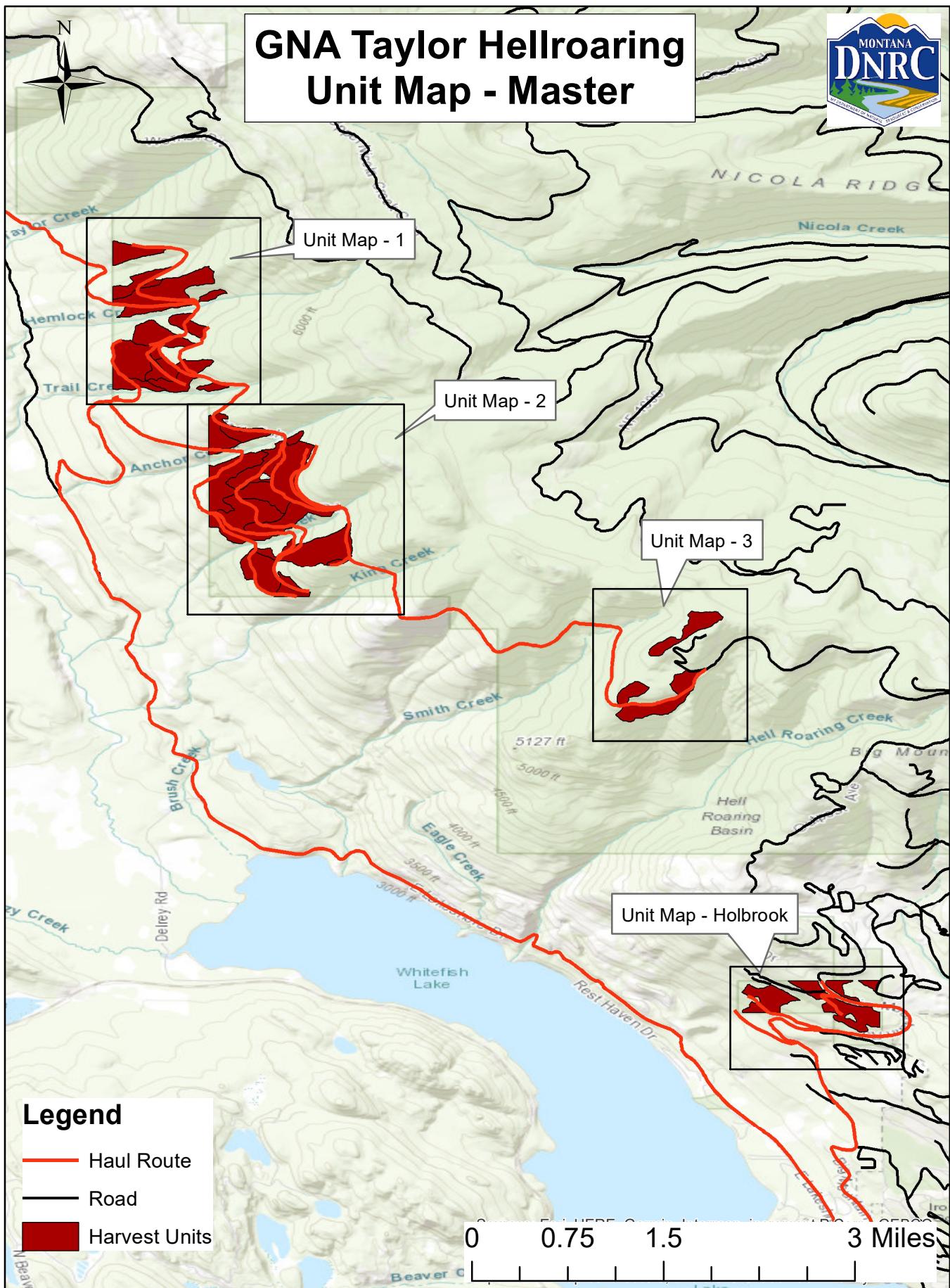
LoggingSys

- CTL
- Skyline
- Tractor

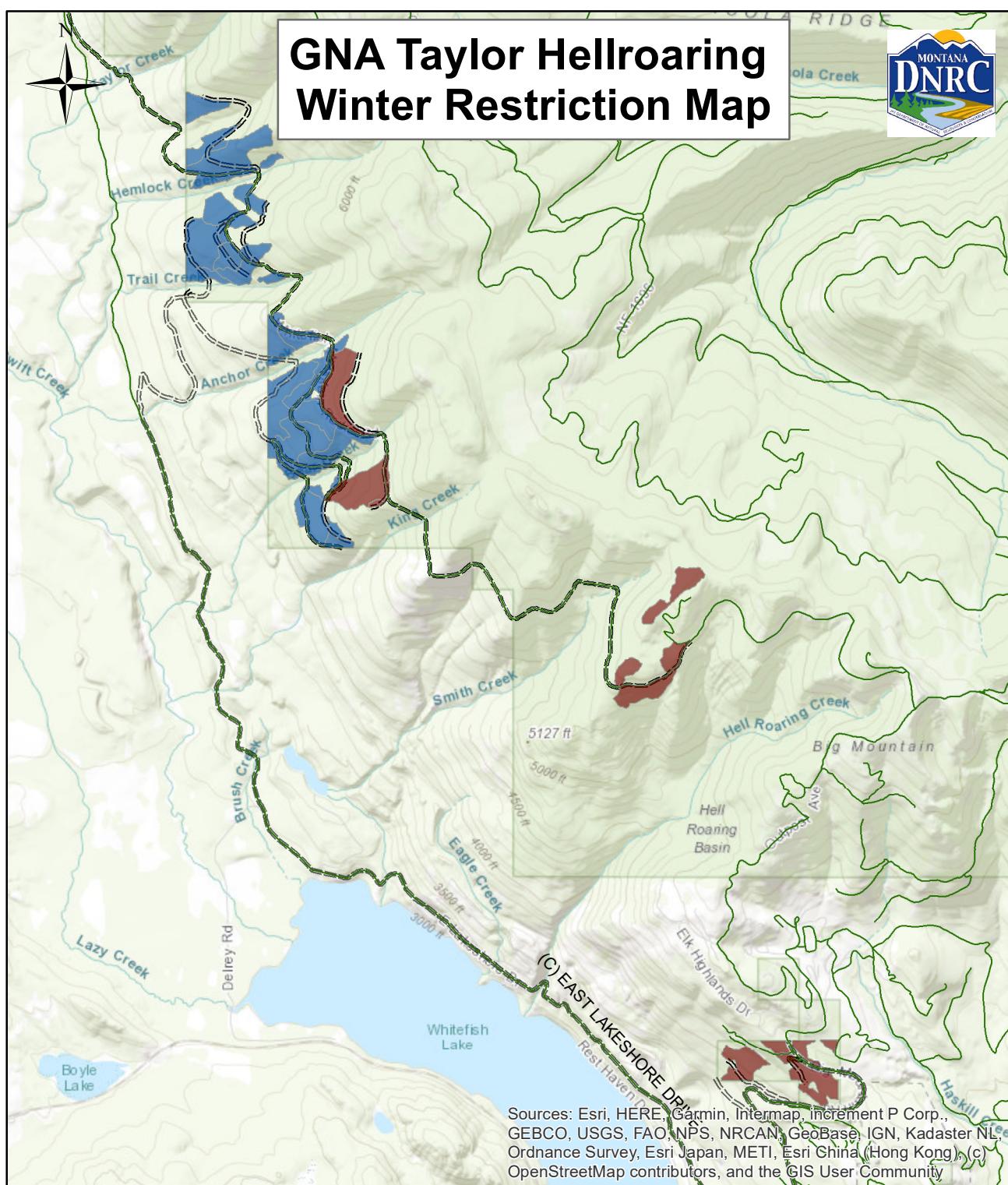
Map By: Caleb Deitz
03/12/2020



GNA Taylor Hellroaring Unit Map - Master



GNA Taylor Hellroaring Winter Restriction Map



Legend

Units ===== Roads

Winter Restriction



0 0.75 1.5 3 Miles

Map By: Caleb Deitz
03/12/2020