



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7491**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on October 24, 2024.**

LOCATION: **BARAGA MGMT UNIT, 427 US 41 NORTH, BARAGA, MI 49908.**

CONTACT NAME: Brad Carlson

PHONE NUMBER: (906) 353-6651

PROSPECTUS NOTE: The bidder is advised to inspect the sale area and review the location, estimated volumes, operating costs and contract terms of proposed sales. Please be aware that some landowners may request 60 days or more notice for access across their land.

Notice is hereby given that bids will be received by the Unit Manager, BARAGA MANAGEMENT UNIT, for certain timber on the following described lands:

GNA2 Cisco North (11-811-24) / T46N, R37W, SEC. 18, NW,NWSW.

T46N, R37W, SEC. 7 , S1/2NW,SW.

T46N, R38W, SEC. 12, S1/2NW,E1/2NE,SE.

T46N, R38W, SEC. 13, NENW,NE,NESE.

Ontonagon County, Advertised Price \$94,600.05, 324.8 Acres, Aspen, Hardwood.

SALE NOTE: A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions. Access may be through other public land.

# TIMBER SALE INFORMATION

GNA2 Cisco North (11-811-24)

T46N, R37W, SEC. 18; T46N, R37W, SEC. 7; T46N, R38W, SEC. 12; T46N, R38W, SEC. 13.

Ontonagon County (Advertised Price \$94,600.05)

SALE NOTE: A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions. Access may be through other public land.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the Inventory Manager computer program and the new Michigan taper model. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
<b>Sawtimber</b>		
Basswood	39.8 MBF	\$ 84.00 / MBF
Black Cherry	0.6 MBF	\$ 37.00 / MBF
Red Maple	63.0 MBF	\$ 124.00 / MBF
Red Oak	5.1 MBF	\$ 81.00 / MBF
Sugar Maple	124.8 MBF	\$ 232.00 / MBF
Yellow Birch	6.7 MBF	\$ 112.00 / MBF
<b>Pulpwood</b>		
Balsam Fir	92 Cords	\$ 5.00 / Cord
Basswood	57 Cords	\$ 6.25 / Cord
Mixed Aspen	639 Cords	\$ 21.10 / Cord
Mixed Hardwood	3,081 Cords	\$ 12.40 / Cord
Mixed Spruce	41 Cords	\$ 12.10 / Cord
Red Oak	23 Cords	\$ 13.30 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 10.10 percent. There are an estimated 4,493 cords on this timber sale, plus or minus 454 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

**BOND AND PAYMENT SCHEDULE:**

1. A bond in the amount of \$9,000.00 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
  - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
  - (b) The 10% down payment will be credited towards the first unit cut.
  - (c) Payment for each of the following units must be made before cutting begins in that unit:

<u>PAYMENT UNIT NUMBER</u>	<u>PERCENT OF TOTAL SALE VALUE</u>
01	3.6%
02	4.3%
03	17.4%
04	8.4%
05	9.5%
06	14.1%
07	12.7%
08	13.6%
09	16.4%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2028.

**SALE STATISTICS**

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

## SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
354,908	4,493	10.10%	4,039	4,946

## VDU VOLUMES

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
1	227,680	2,882	12.80%	2,513	3,251
11	97,818	1,238	19.28%	999	1,477
26	15,065	191	39.56%	115	266
30	14,345	182	55.87%	80	283
<b>TOTAL:</b>	<b>354,908</b>	<b>4,493</b>		<b>3,708</b>	<b>5,277</b>

## VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
1	207.0	5	29.7
		6	44.0
		7	39.7
		8	42.5
		9	51.1
11	102.4	3	68.7
		4	33.7
26	11.1	1	11.1
30	4.3	2	4.3
<b>TOTAL:</b>	<b>324.8</b>		<b>324.8</b>

**DESCRIPTION OF TIMBER BY PU (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Sugar Maple	Sawtimber	1.4	MBF	11.1	\$3,432.00
	Balsam Fir	Pulpwood	8	Cords		
	Mixed Aspen		96	Cords		
	<i>B. T. Aspen</i>		38	Cords		
	<i>Quaking Aspen</i>		58	Cords		
	Mixed Hardwood		84	Cords		
	<i>Red Maple</i>		27	Cords		
	<i>Sugar Maple</i>		57	Cords		
2	Red Maple	Sawtimber	1.6	MBF	4.3	\$4,082.80
	Sugar Maple		2.9	MBF		
	Mixed Aspen	Pulpwood	124	Cords		
	<i>B. T. Aspen</i>		99	Cords		
	<i>Quaking Aspen</i>		25	Cords		
	Mixed Hardwood		48	Cords		
	<i>Paper Birch</i>		4	Cords		
	<i>Red Maple</i>		28	Cords		
	<i>Sugar Maple</i>		11	Cords		
	<i>Yellow Birch</i>		5	Cords		
3	Black Cherry	Sawtimber	0.4	MBF	68.7	\$16,276.90
	Red Maple		11.1	MBF		
	Sugar Maple		21.2	MBF		
	Balsam Fir	Pulpwood	42	Cords		
	Mixed Aspen		107	Cords		
	<i>B. T. Aspen</i>		5	Cords		
	<i>Quaking Aspen</i>		102	Cords		
	Mixed Hardwood		597	Cords		
	<i>Black Cherry</i>		17	Cords		
	<i>Red Maple</i>		269	Cords		
	<i>Sugar Maple</i>		304	Cords		
	<i>Yellow Birch</i>		7	Cords		
	Mixed Spruce		8	Cords		
	<i>White Spruce</i>		8	Cords		
	4	Black Cherry	Sawtimber	0.2		
Red Maple			5.4	MBF		
Sugar Maple			10.4	MBF		
Balsam Fir		Pulpwood	20	Cords		
Mixed Aspen			52	Cords		
<i>B. T. Aspen</i>			2	Cords		
<i>Quaking Aspen</i>			50	Cords		
Mixed Hardwood			293	Cords		
<i>Black Cherry</i>			9	Cords		
<i>Red Maple</i>			132	Cords		
<i>Sugar Maple</i>			149	Cords		
<i>Yellow Birch</i>			3	Cords		
Mixed Spruce			5	Cords		
<i>White Spruce</i>			5	Cords		
5	Basswood	Sawtimber	5.7	MBF	29.7	\$9,002.70
	Red Maple		6.4	MBF		
	Red Oak		0.7	MBF		
	Sugar Maple		12.8	MBF		
	Yellow Birch		1.0	MBF		
	Balsam Fir	Pulpwood	3	Cords		
	Basswood		8	Cords		
	Mixed Aspen		37	Cords		
	<i>B. T. Aspen</i>		6	Cords		

**DESCRIPTION OF TIMBER BY PU (PU), CON'T**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
5 con't	<i>Quaking Aspen</i>	<i>Pulpwood</i>	31	<i>Cords</i>					
	Mixed Hardwood		295	Cords					
	<i>Paper Birch</i>		1	<i>Cords</i>					
	<i>Red Maple</i>		114	<i>Cords</i>					
	<i>Sugar Maple</i>		174	<i>Cords</i>					
	<i>Yellow Birch</i>		6	<i>Cords</i>					
	Mixed Spruce		4	Cords					
	<i>White Spruce</i>		4	<i>Cords</i>					
	Red Oak		3	Cords					
6	Basswood	Sawtimber	8.5	MBF	44.0	\$13,374.60			
	Red Maple		9.5	MBF					
	Red Oak		1.1	MBF					
	Sugar Maple		18.9	MBF					
	Yellow Birch		1.4	MBF					
	Balsam Fir	Pulpwood	5	Cords					
	Basswood		12	Cords					
	Mixed Aspen		56	Cords					
	<i>B. T. Aspen</i>		9	<i>Cords</i>					
	<i>Quaking Aspen</i>		47	<i>Cords</i>					
	Mixed Hardwood		438	Cords					
	<i>Paper Birch</i>		1	<i>Cords</i>					
	<i>Red Maple</i>		169	<i>Cords</i>					
	<i>Sugar Maple</i>		258	<i>Cords</i>					
	<i>Yellow Birch</i>		10	<i>Cords</i>					
	Mixed Spruce		6	Cords					
	<i>White Spruce</i>		6	<i>Cords</i>					
	Red Oak		5	Cords					
	7	Basswood	Sawtimber	7.6			MBF	39.7	\$12,054.05
		Red Maple		8.6			MBF		
Red Oak			1.0	MBF					
Sugar Maple			17.1	MBF					
Yellow Birch			1.3	MBF					
Balsam Fir		Pulpwood	4	Cords					
Basswood			11	Cords					
Mixed Aspen			50	Cords					
<i>B. T. Aspen</i>			8	<i>Cords</i>					
<i>Quaking Aspen</i>			42	<i>Cords</i>					
Mixed Hardwood			395	Cords					
<i>Paper Birch</i>			1	<i>Cords</i>					
<i>Red Maple</i>			152	<i>Cords</i>					
<i>Sugar Maple</i>			233	<i>Cords</i>					
<i>Yellow Birch</i>			9	<i>Cords</i>					
Mixed Spruce			5	Cords					
<i>White Spruce</i>			5	<i>Cords</i>					
Red Oak			4	Cords					
8		Basswood	Sawtimber	8.2	MBF	42.5	\$12,903.20		
		Red Maple		9.2	MBF				
	Red Oak		1.0	MBF					
	Sugar Maple		18.3	MBF					
	Yellow Birch		1.4	MBF					
	Balsam Fir	Pulpwood	5	Cords					
	Basswood		12	Cords					
	Mixed Aspen		53	Cords					
	<i>B. T. Aspen</i>		8	<i>Cords</i>					
	<i>Quaking Aspen</i>		45	<i>Cords</i>					

**DESCRIPTION OF TIMBER BY PU (PU), CON'T**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE			
8 con't	Mixed Hardwood	Pulpwood	422	Cords					
	<i>Paper Birch</i>		1	<i>Cords</i>					
	<i>Red Maple</i>		163	<i>Cords</i>					
	<i>Sugar Maple</i>		249	<i>Cords</i>					
	<i>Yellow Birch</i>		9	<i>Cords</i>					
	Mixed Spruce		6	Cords					
	<i>White Spruce</i>		6	<i>Cords</i>					
	Red Oak		5	Cords					
9	Basswood	Sawtimber	9.8	MBF	51.1	\$15,493.10			
	Red Maple		11.2	MBF					
	Red Oak		1.3	MBF					
	Sugar Maple		21.8	MBF					
	Yellow Birch		1.6	MBF					
	Balsam Fir		Pulpwood	5			Cords		
	Basswood	14		Cords					
	Mixed Aspen	64		Cords					
	<i>B. T. Aspen</i>	10		<i>Cords</i>					
	<i>Quaking Aspen</i>	54		<i>Cords</i>					
	Mixed Hardwood	509		Cords					
	<i>Paper Birch</i>	2		<i>Cords</i>					
	<i>Red Maple</i>	196		<i>Cords</i>					
	<i>Sugar Maple</i>	300		<i>Cords</i>					
	<i>Yellow Birch</i>	11		<i>Cords</i>					
	Mixed Spruce	7		Cords					
	<i>White Spruce</i>	7		<i>Cords</i>					
	Red Oak	6		Cords					
	TOTAL:			240.0			MBF		
	TOTAL:			3,933			Cords		

## Sale Specific Conditions & Requirements

Sale Name: GNA2 Cisco North

Sale Number: 11-811-24 Seq#: 1

### 1 - Sale Area

#### 1.2 - Boundaries

##### 1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by orange paint slash or are unpainted and designated by USFS roads. Exterior sale boundary lines against USFS are marked with triple orange paint slash, with the exception of the boundaries along FDR 4500 and FDR 5350, which are unpainted and designated by FDR 4500 and FDR 5350 (see Timber Sale Map). Interior Payment Unit boundaries are marked with double orange paint slash. The painted boundary line trees are not Included Timber and are to be protected unless marked with blue paint.

### 2 - Timber Specifications

#### 2.1 - Included Timber

##### 2.1.2 - Clearcut unit(s) w/o unmerchantable trees (8/11)

Within Payment Unit(s) 2, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut american elm, oak, black cherry, northern white cedar, hemlock, white pine or red pine.

Special protection areas identified in accordance with condition 3.4.3, within clearcutting unit boundaries, are not Included Timber and are to be protected.

##### 2.1.3 - Cut tree marked unit(s) (12/08)

Within Payment Unit(s) 1 and 3-9, all trees are designated for cutting when marked with blue paint above and below stump height, regardless of merchantability.

#### 2.2 - Utilization

##### 2.2.3 - Stump heights (4/07)

Stump heights within Payment Units 1 and 3-9 shall not exceed 12 inches for trees greater than 10 inches at DBH and 4 inches for trees smaller than 10 inches at DBH. A written waiver of this requirement may be obtained if wet summer weather makes winter logging necessary.

##### 2.2.4 - Skidding length (2/14)

Skidding of unlimbed tops or lengths over 17 feet is not permissible unless approved by the Unit Manager or his/her representative.

##### 2.2.7 - Uncut designated trees (2/04)

Liquidated damages of \$10.00 per tree will be assessed for every marked tree not cut.

##### 2.2.8 - Utilization and removal (5/14)

All products meeting standards set forth in General Condition and Requirement 2.2 Utilization must be removed from the Sale Area. This is because excess woody debris inhibits regeneration.

##### 2.2.9 - No chipping permitted (12/08)

Within Payment Unit(s) 1-9, tops may not be chipped.

##### 2.2.12 - GNA, cut and remove Included Timber (3/18)

Unless provided otherwise herein, the DNR agrees to sell and permit Purchaser to cut and remove Included Timber and Purchaser agrees to purchase, cut, and remove Included Timber.

### 3 - Payments

#### 3.4 - Damaged Timber

##### 3.4.1 - Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

## 4 - Transportation

### 4.1 - Construction

#### 4.1.1 - Stream crossings, general (3/11)

All stream crossing structures will be temporary and therefore, shall be provided by the Purchaser, and must be removed upon completion of the sale. All permits for stream crossings will be provided by the DNR on USFS land.

#### 4.1.3 - Slash and earthen piles (8/04)

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be dispersed throughout the sale.

#### 4.1.4 - Timber removed for construction (3/23)

Trees cut or damaged in the process of pre-approved road, landing or skid trail construction will be decked in an area separate from other Designated Timber and not removed until measured by the sale administrator. Payment will be made at contract prices or average prices, if not on the contract.

#### 4.1.5 - Culverts (5/14)

Roads may require the installation of culverts for cross drainage or at natural drainage-ways. If culverts are needed in these locations, their placement will be specified by the Sale Administrator, and they shall be installed prior to hauling. The culverts shall be new, corrugated metal or plastic gauge. Culverts will be a minimum of 12 inches in diameter and 24 feet in length. If culverts are removed, fill shall be removed from wetland soils as specified. Soils shall be maintained and left in a non-erodible condition, with water bars, seed, fertilizer, mulch, and slash installed as directed by the Sale Administrator and as specified in the BMP manual. Stream crossing permits, if needed, will be obtained by the DNR.

#### 4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic within 30 days of completion of hauling. Overgrown roads that are reopened shall be considered new roads. Some existing roads may also need to be closed, see the Timber Sale Map for locations. Temporary access roads will need to be closed at the time of sale completion, see the Timber Sale map for locations. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. These roads must be rendered impassable to cars and trucks. All stumps from road building and landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the Sale Administrator for specific details of design and placement.

#### 4.1.8 - Road work (1) (8/07)

The following road work is required: The Purchaser will gravel all transitions onto FDR 4500, FDR 5350 and FDR 4558 used during the timber sale. This work needs to be completed prior to any hauling. Gravel must be from a weed free source. In general, this will require between five (5) and ten (10) yards of gravel per transition and must be completed to the satisfaction of the Sale Administrator. In addition, temporary access roads will need to be built into Payment Units 3 and 4. One will be an extension of FDR 4558 (See Timber Sale Map) into Payment Unit 3. The second will be from where Payment Unit 4 attaches to FDR 4500 and will extend into Payment Unit 4. Exact location into Payment Unit 4 will be determined at the time of harvest. These temporary roads will need to be blocked to vehicle access when harvesting is completed in these Payment Units (see spec 4.1.7).

### 4.2 - Maintenance

#### 4.2.1 - Hauling restriction (12/08)

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during wet weather conditions.

#### 4.2.2 - Fill material (4/07)



To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. This fill material should be placed before trucking begins. Contact the Sale Administrator regarding the availability of onsite sand or gravel from adjacent USFS-owned lands.

#### 4.2.4 - Grading (10/16)

For completion of the sale, USFS roads must be graded. In general, this will require a road grader or bulldozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

## 5 - Operations

### 5.1 - Notification

#### 5.1.1 - Pre-sale conference (10/16)

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning any operations, to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 10 days in advance to schedule the conference.

#### 5.1.4 - Post-sale conference (10/16)

A post-sale conference on site between the Purchaser and sale administrator is required 5 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

### 5.2 - Conduct of Operations

#### 5.2.1 - Slash

##### 5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, slash shall be left evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Stumps shall be cut low to the ground. Processing sites shall not be left with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

#### 5.2.2 - Hazard Trees/Snags

##### 5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

#### 5.2.3 - Operating Restrictions

##### 5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1, 3, 5 and 7-9, unless changed by written agreement, cutting, skidding, and hauling are limited to the period(s) of July 15 to September 30 and December 15 to March 15 or frozen winter conditions.

Within Payment Unit(s) 2, 4 and 6, unless changed by written agreement, cutting, skidding, and hauling are limited to the period(s) of August 1 to August 31 and December 15 to March 15 or frozen winter conditions. This restriction is because of USFS Seasonal Operating Restrictions.

#### 5.2.30 - Landing/road top soil protection (2/15)

Top soil on landings and new roads must be removed, stockpiled and saved. Upon completion of the timber sale, soil must be evenly distributed back over the area for revegetation. In addition, the area must be seeded and mulched per instructions of the Sale Administrator.

#### 5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

#### 5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

#### 5.2.41 - Snowmobile trail protection (9/11)

The trail 107 is a snowmobile trail and is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1. If the trail road is to be used for hauling during the snowmobile season, then a snow-covered base must be left on the trail. The hauling of forest products on the snowmobile trail are limited to Monday through Friday daylight hours during the snowmobile season. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level.

#### 5.4 - Soil Protection

##### 5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which are 6 inches or greater in depth and 25 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

##### 5.4.2 - Skid trails (2/04)

Skid trails up and down slopes should be avoided. If however this is unavoidable, these trails will be left in a non-erodible condition using water bars, logs, and slash. Placing of slash on these skid trails while logging is ongoing may alleviate need for any further action. At the direction of the sale administrator, seed, fertilizer, and mulch may also be required.

##### 5.4.6 - Wet area protection (5/10)

No harvesting operations, including skidding and felling, are to take place within the vernal pond areas or drainages. When harvesting occurs, there should be no disturbance to the vernal pond depression. All equipment, trees and tops should be kept out of this area. Within 100 feet of the pond, equipment should only be used when the soil is in a dry or frozen condition. Care must be taken by the Purchaser to identify and avoid operating in these areas of the timber sale.

#### 5.6 - Debris and Waste Material

##### 5.6.2 - GNA, equipment cleaning (4/24)

(a) Areas, known by the DNR prior to timber sale advertisement, that are infested with invasive species of concern are shown on the Timber Sale Map. A current list of invasive species of concern and a map showing the extent of known infestations is available from the DNR. For purposes of this provision, "Off-Road Equipment" includes all logging and construction machinery, except for log trucks, chip vans, service vehicles, water trucks, pickup trucks, cars, and similar vehicles.

(b) Purchaser shall adhere to the following requirements with regard to cleaning "Off-Road Equipment":

(i) Prior to moving Off-Road Equipment onto the Sale Area, Purchaser shall identify the location of the equipment's most recent operation. Purchaser shall not move any Off-Road Equipment that last operated in an area infested with one or more invasive species of concern onto Sale Area without having cleaned such equipment of seeds, soil, vegetative matter, and other debris that could contain or hold seeds, and having notified the DNR, as provided in (iii). If the location of prior operation cannot be identified, then Purchaser shall assume that the location is infested with invasive species of concern.

(ii) Prior to moving Off-Road Equipment from a cutting unit that is shown on the Timber Sale Map to be infested with invasive species of concern to, or through any other area that is shown as being free of invasive species of concern, or infested with a different invasive species, Purchaser shall clean such equipment of seeds, soil, vegetative matter, and other debris that could contain or hold seeds, and shall notify the DNR, as provided in (iii).

(iii) Prior to moving any Off-Road Equipment subject to the cleaning requirements set forth above, Purchaser shall advise DNR of its cleaning measures and make the equipment available for inspection. DNR shall have 2 days, excluding weekends and State holidays, to inspect equipment after it has been made available. After satisfactory inspection or after such 2 day period, Purchaser may move the equipment as planned. Equipment shall be considered clean when a visual inspection does not disclose seeds, soil, vegetative matter, and other debris that could contain or hold seeds. Purchaser shall not be required to disassemble equipment unless so directed by the DNR after inspection.

(iv) If Purchaser desires to clean Off-Road Equipment on National Forest land, such as at the end of a project or prior to moving to, or through an area that is free of invasive species of concern, Purchaser shall obtain prior approval from the Unit Manager or his/her representative as to the location for such cleaning and measures, if any, for controlling impacts.

(v) Unit Manager or his/her representative may order delay, interruption, or modification of this Contract pursuant to Condition & Requirement 7.3 or 7.3.4.

(c) Nothing contained in this Condition & Requirement shall be interpreted as creating any warranty on the part of the DNR that all locations of invasive species of concern have been described herein, elsewhere in this Contract, or designated on the ground. Following sale advertisement, additional locations may be described or designated, and other species may be added to the list of invasive species of concern. In such event, the Unit Manager or his/her representative may order delay, interruption, or modification of this Contract pursuant to Condition & Requirement 7.3 or 7.3.4.

(d) The parties shall promptly communicate with one another with respect to description or designation of additional locations; discovery of locations of new species or new infestation; and, addition of species to the list of invasive species of concern.

## 5.8 - Protection of Endangered Species

### 5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

## 6 - Safety and Fire Prevention

### 6.2 - Signing

#### 6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on FDR 4500 and FDR 5350 prior to beginning operations. The road must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

#### 6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on snowmobile trail 107 prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

## 7 - Other Conditions

### SKIP

#### 7.1.1 - GNA, title (7/16)

General Condition & Requirement 7.1 is inapplicable. The following applies to this contract.

All right, title, and interest in and to any Included Timber shall remain in USDA Forest Service with the State of Michigan acting on behalf of the USDA Forest Service under this GNA contract, until it has been Measured, removed from Sale Area or other authorized cutting area, and paid for, at which time title shall vest in Purchaser. Title to any Included Timber that has been Measured and paid for, but not removed from Sale Area or other authorized cutting area by Purchaser on or prior to Termination Date, shall remain in USDA Forest Service.

### 7.3 - Contract Modifications

#### 7.3.4 - GNA, contract suspension and modification (5/16)

(a) The Unit Manager may, by written order, delay or interrupt authorized operations under this contract or, notwithstanding Condition & Requirement 7.3, modify this contract, in whole or in part:

(i) To prevent environmental degradation or resource damage, including, but not limited to, harm to habitat, plants, animals, cultural resources, or cave resources;

(ii) To ensure consistency with land and resource management plans or other documents prepared pursuant to the National Environmental Policy Act of 1969, 42 USC 4321-4347;

(iii) To conduct environmental analysis, including, but not limited to, engaging in consultation pursuant to the Endangered Species Act of 1973, 16 USC 1531, et seq.; or

(iv) Upon agreement of the Forest Service, due to administrative appeal or litigation, regardless of whether the Unit Manager's order is required by a court order or this contract is named in such a proceeding.

(b) In the event of an order delaying or interrupting Purchaser's Operations under this Condition & Requirement, Purchaser's remedy shall be:

(i) a no cost contract extension,

(ii) reimbursement for Out-of-Pocket Expenses,

however, the foregoing remedies shall be available only to the extent that the Unit Manager's order was the sole and exclusive cause of the delay or interruption of Purchaser's operations.

(c) Remedies awarded to the Purchaser shall not be duplicative, and the Unit Manager shall have the right to structure remedies provided herein to avoid duplicative compensation.

(d) Purchaser agrees that this Condition & Requirement, and the remedies provided herein shall apply regardless of any finding by any court that the DNR failed to comply with any statute, regulation and/or policy in connection with awarding, advertising, or authorizing this sale, or a similar sale.

## 7.5 - Loss

### 7.5.2 - GNA, liability for loss (7/16)

If Included Timber is destroyed or damaged by an unexpected event that changes the nature of Included Timber, such as wind, flood, insects, disease, or similar cause, the Purchaser shall bear the timber value loss resulting from such destruction or damage.

Deterioration or loss of timber value due to delay or interruption under 7.3.4 - GNA, contract suspension and modification, shall be borne by the party holding title. In this event, Included Timber to which USDA Forest Service holds title, Purchaser of the State GNA contract will not be obligated to remove and pay for such timber. This Subsection shall not be construed to relieve either party of liability for negligence.

## 7.10 - Certified Timber

### 7.10.1 - Non-certified timber (2/16)

The area encompassed by this timber sale is not certified to the standards of the Forest Stewardship Council (FSC) or the Sustainable Forestry Initiative (SFI). Forest products from this sale may not be delivered to the mill as "FSC and / or SFI certified". The lands within this sale belong to the National Forest system and are being managed by the State as part of a Good Neighbor Authority (GNA) agreement.



**TIMBER SALE MAP**

This information provided by authority of Part 525, 1994 PA 451, as amended.

Sale Number <b>11-811-24</b>	Date <b>08/30/2024</b>	
Scale <b>1:15,840</b>	Page <b>1</b>	Of <b>1</b>

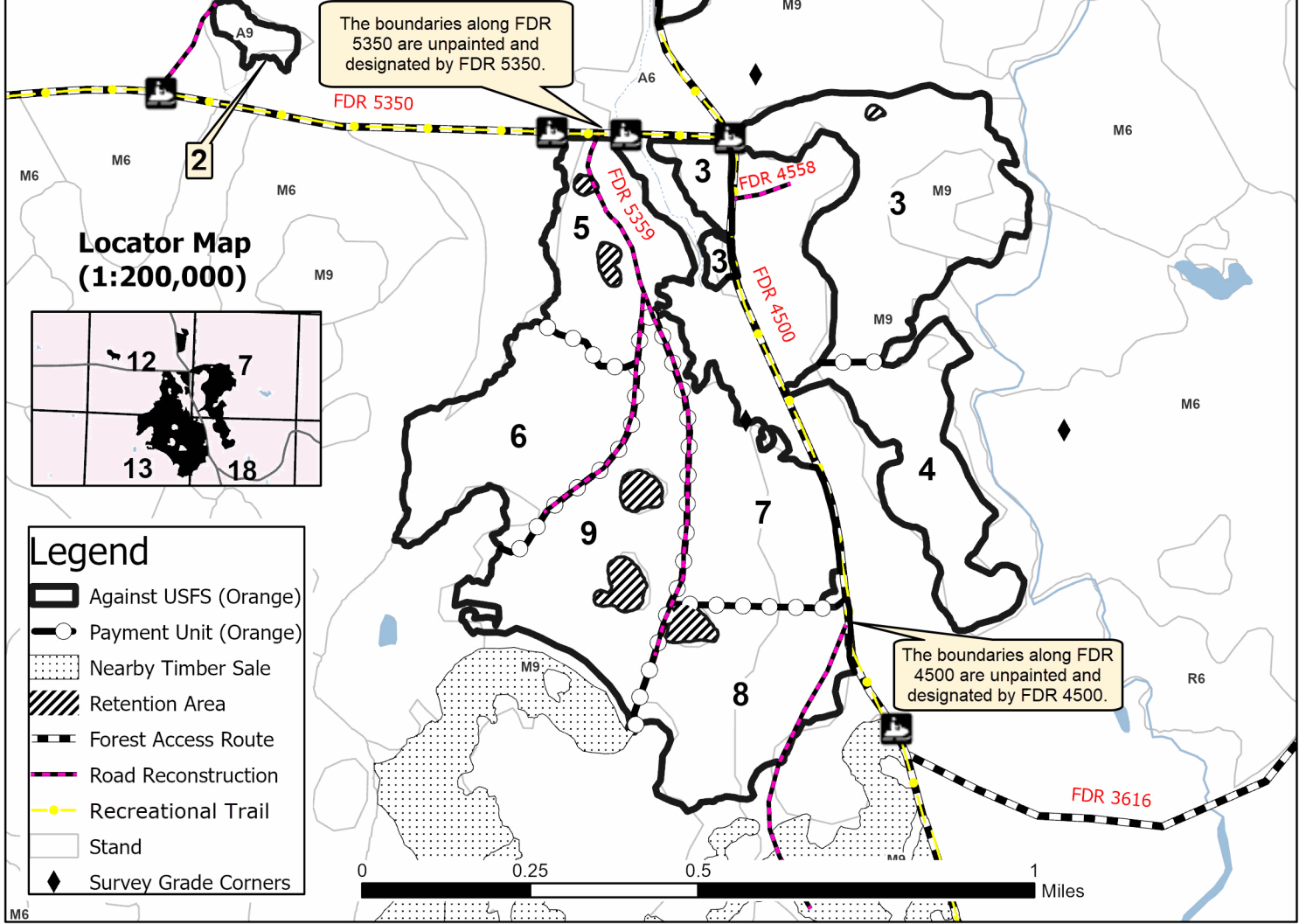
Forest Management Unit <b>Baraga Mgt Unit</b>	County <b>Ontonagon</b>	Mapped By: Sullivan Cruised By: Baraga DNR Staff
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Township <b>46N</b>	Range <b>37W /</b>	Section(s) and Subdivision(s) <b>Sec. 12 S1/2NW,E1/2NE,SE; Sec. 13 NENW,NE,NESE; Sec. 18 NW,NWSW; Sec. 7 S1/2NW,SW;</b>
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Cover Type			
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous		Z = Water
H = Hemlock	N = Marsh		

Density	
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

GNA2 Cisco North										
Iron, Ontonagon - Compartment 7904176, 7904171, 7904172										
UNIT	1	2	3	4	5	6	7	8	9	TOTALS
ACRES	11.1	4.3	68.7	33.7	29.7	44	39.7	42.5	51.1	324.8
<b>Sawlogs MBF</b>										
Red Maple	0.0	1.6	11.1	5.4	6.4	9.5	8.6	9.2	11.2	63.0
Sugar Maple	1.4	2.9	21.2	10.4	12.8	18.9	17.1	18.3	21.8	124.8
Yellow Birch	0.0	0.0	0.0	0.0	1.0	1.4	1.3	1.4	1.6	6.7
Basswood	0.0	0.0	0.0	0.0	5.7	8.5	7.6	8.2	9.8	39.8
Black Cherry	0.0	0.0	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.6
Red Oak	0.0	0.0	0.0	0.0	0.7	1.1	1.0	1.0	1.3	5.1
<b>TOTAL</b>	<b>1.4</b>	<b>4.5</b>	<b>32.7</b>	<b>16.0</b>	<b>26.6</b>	<b>39.4</b>	<b>35.6</b>	<b>38.1</b>	<b>45.7</b>	<b>240.0</b>
<b>Pulpwood CORDS</b>										
Balsam Fir	8	0	42	20	3	5	4	5	5	92
Mixed Aspen	96	124	107	52	37	56	50	53	64	639
Mixed Hardwood	84	48	597	293	306	455	410	439	529	3161
Mixed Spruce	0	0	8	5	4	6	5	6	7	41
<b>TOTAL</b>	<b>188</b>	<b>172</b>	<b>754</b>	<b>370</b>	<b>350</b>	<b>522</b>	<b>469</b>	<b>503</b>	<b>605</b>	<b>3933</b>



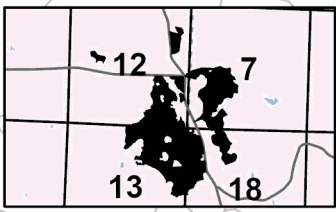
Use QR Code to open Map in App



The boundaries along FDR 5350 are unpainted and designated by FDR 5350.

The boundaries along FDR 4500 are unpainted and designated by FDR 4500.

**Locator Map (1:200,000)**



Legend	
	Against USFS (Orange)
	Payment Unit (Orange)
	Nearby Timber Sale
	Retention Area
	Forest Access Route
	Road Reconstruction
	Recreational Trail
	Stand
	Survey Grade Corners

