



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6775

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on March 18, 2021.**

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:

Section 30 Hardwoods (11-018-20) / T47N, R33W, SEC. 30, SW,SWSE.

Baraga County, Advertised Price \$11,044.45, 123.3 Acres, Hardwood, Spruce/Fir/Tamarack.

SALE NOTE: Access may be through private land.

TIMBER SALE INFORMATION

Section 30 Hardwoods (11-018-20)

T47N, R33W, SEC. 30.

Baraga County (Advertised Price \$11,044.45)

SALE NOTE: Access may be through private 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 T-Sale computer program and our traditional volume equations. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Black Cherry	8.9 MBF	\$ 31.00 / MBF
Paper Birch	2.1 MBF	\$ 23.00 / MBF
Red Maple	10.0 MBF	\$ 63.00 / MBF
Sugar Maple	37.3 MBF	\$ 112.00 / MBF
Yellow Birch	9.1 MBF	\$ 39.00 / MBF
Pulpwood		
B. T. Aspen	16 Cords	\$ 4.55 / Cord
Balsam Fir	54 Cords	\$ 2.70 / Cord
Mixed Hardwood	1,020 Cords	\$ 4.30 / Cord
Mixed Spruce	80 Cords	\$ 4.00 / Cord
Paper Birch	30 Cords	\$ 4.20 / Cord
Tamarack	69 Cords	\$ 7.35 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 20.08 percent. There are an estimated 1,488 cords on this timber sale, plus or minus 299 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 \$1,500.00 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:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	24.9%
02	34.9%
03	24.3%
04	15.9%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2024.

SALE STATISTICS

SALE VOLUMES

VOLUME		STATISTICAL RANGE IN CORDS		
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
117,527	1,488	20.08%	1,189	1,786

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	19,316	245	28.50%	175	314
2	29,317	371	18.31%	303	439
3	34,768	440	20.98%	348	532
28	1,912	24	81.10%	5	44
31	32,193	408	33.51%	271	544
TOTAL:	117,505	1,487		1,101	1,874

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	38.5	1	38.5
2	35.7	2	35.7
3	33.8	3	33.8
28	1.7	4	1.7
31	13.6	4	13.6
TOTAL:	123.3		123.3

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	3.3	MBF	38.5	\$2,755.30
	Sugar Maple		14.3	MBF		
	Yellow Birch		1.7	MBF		
	Balsam Fir	Pulpwood	3	Cords		
	Mixed Hardwood		198	Cords		
	Red Maple		72	Cords		
	Sugar Maple		93	Cords		
	Yellow Birch		33	Cords		
	Mixed Spruce		5	Cords		
	White Spruce		5	Cords		
2	Black Cherry	Sawtimber	2.7	MBF	35.7	\$3,844.60
	Sugar Maple		20.9	MBF		
	Yellow Birch		0.8	MBF		
	Mixed Hardwood	Pulpwood	323	Cords		
	Black Cherry		17	Cords		
	Ironwood		9	Cords		
	Red Maple		40	Cords		
	Sugar Maple		238	Cords		
	Yellow Birch		19	Cords		
	3	Black Cherry	Sawtimber	4.9		
Paper Birch			1.3	MBF		
Red Maple			6.7	MBF		
Sugar Maple			2.1	MBF		
Yellow Birch			3.2	MBF		
B. T. Aspen		Pulpwood	16	Cords		
Balsam Fir			8	Cords		
Mixed Hardwood			375	Cords		
Black Cherry			42	Cords		
Red Maple			124	Cords		
Sugar Maple			115	Cords		
Yellow Birch			94	Cords		
Paper Birch			4	Cords		
4		Black Cherry	Sawtimber	1.3	MBF	15.3
	Paper Birch		0.8	MBF		
	Yellow Birch		3.4	MBF		
	Balsam Fir	Pulpwood	43	Cords		
	Mixed Hardwood		124	Cords		
	Black Ash		6	Cords		
	Black Cherry		19	Cords		
	Red Maple		29	Cords		
	Sugar Maple		47	Cords		
	Yellow Birch		23	Cords		
	Mixed Spruce		75	Cords		
	Black Spruce		38	Cords		
	White Spruce		37	Cords		
	Paper Birch		26	Cords		
	Tamarack		69	Cords		
	TOTAL:			67.4	MBF	
TOTAL:			1,269	Cords		

Sale Specific Conditions & Requirements

Sale Name: Section 30 Hardwoods

Sale Number: 11-018-20 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 blue and red paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with red paint, with the exception of boundaries between Payment Units 1 & 2 and 2 & 3, which are marked with blue paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Red and blue painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 4, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut hemlock, cedar, white pine, and red oak. Also, do not cut yellow birch that are twenty (20) inches at DBH or larger.

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

Within Payment Unit(s) 1, 2 and 3, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.2 - Utilization

2.2.11 - Chipping restriction (9/14)

If chipping occurs on this sale, then no woody debris present on the ground at the start of the sale may be chipped. In addition, brush or chips may not be stored or stockpiled on-site.

2.3 - Log Rule

2.3.1 - Log rule (12/08)

All board foot volumes of sawlog size products in this contract have been determined by the Scribner Decimal C Log Rule.

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.

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. Please notify the DNR 90 days prior to working on any crossings that will require a EGLE permit.

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, chipped, utilized or otherwise removed from the sale.

4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge, chipped, utilized or otherwise removed from the sale. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic upon completion of the sale. Overgrown roads that are reopened shall be considered new roads. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Contact the sale administrator for specific details of design and placement.

4.2 - Maintenance

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bull dozer 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.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser. Should the Purchaser desire to cross private land, a copy of the written permission from the private land-owner may be required by the DNR.

5 - Operations

5.1 - Notification

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 (5/07)

To facilitate reforestation, the sale area shall be left with slash 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

5.2.3.2 - Operating restrictions (9/11)

Within Payment Unit(s) 1, 2, 3 and 4, unless changed by written agreement, clean up work must be completed by the July 15th following harvest completion. This restriction is to allow the clean up areas to re-vegetate before the dry season.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1, 2, and 3, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

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

Top soil on new 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.

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

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

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 is 12 inches or greater in depth and 50 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.

5.8 - 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.



TIMBER SALE MAP

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

Sale Number	Year
11-018	20

Forest Management Unit	County	Mapped By	Date	Page	of
Baraga	Baraga	Carlson	8/21/2020	1	1
		Cruised By			
		Baraga Staff			

Township	Range	Section(s) and Subdivision(s)	Scale
47N	33W	Sec 30 - SW, SWSE	1:15,840

Cover Type

A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water
G = Grass	MD = Mixed Deciduous	T = Tamarack	

Density

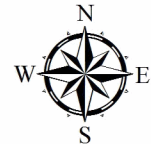
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

Section 30 Hardwoods

123.3 Acres

Baraga County, Compartment 29

UNIT	1	2	3	4	TOTALS
ACRES	38.5	35.7	33.8	15.3	123.3
Sawlogs MBF					
Black Cherry	0.0	2.7	4.9	1.3	8.9
Paper Birch	0.0	0.0	1.3	0.8	2.1
Red Maple	3.3	0.0	6.7	0.0	10.0
Sugar Maple	14.3	20.9	2.1	0.0	37.3
Yellow Birch	1.7	0.8	3.2	3.4	9.1
TOTAL	19.3	24.4	18.2	5.5	67.4
Pulpwood Cords					
Balsam Fir	3	0	8	43	54
Mixed Aspen	0	0	16	0	16
Mixed Hardwood	198	323	375	124	1020
Mixed Spruce	5	0	0	75	80
Paper Birch	0	0	4	26	30
Tamarack	0	0	69	69	69
TOTAL	206	323	403	337	1269



Legend

- Against State (Red)
- ⊕ Payment Unit (Red)
- Private Line (Blue)
- ◆ Survey Corners
- Highway
- == Forest Access Route
- Private
- Lakes and Rivers

PVT

25

30

GPS Location
46°25.782'N
88°30.188'W

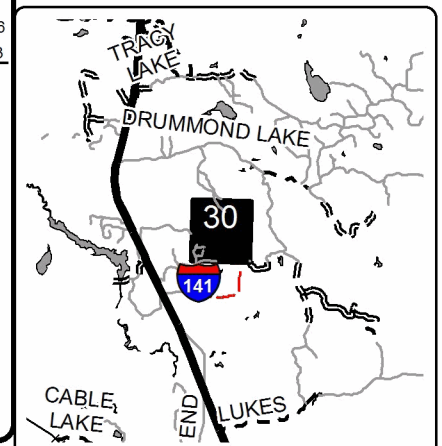
PVT

The boundaries between
PU's 1 & 2 and 2 & 3
are marked with blue

PVT



Locator Map
1:200,000



0 0.125 0.25 0.5 0.75 1 Miles