



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6279

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on November 13, 2018.

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:

Bruno Creek Hardwoods (11-011-18) / T51N, R35W, SEC. 15, W1/2NW.

T51N, R35W, SEC. 16, NW,NE,N1/2SW,NWSE.

T51N, R35W, SEC. 17, N1/2NE,SENE.

T51N, R35W, SEC. 8 , SESE.

T51N, R35W, SEC. 9 , S1/2SW,SWSE.

Houghton County, Advertised Price \$139,610.25, 342.4 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.

TIMBER SALE INFORMATION

Bruno Creek Hardwoods (11-011-18)

T51N, R35W, SEC. 15; T51N, R35W, SEC. 16; T51N, R35W, SEC. 17; T51N, R35W, SEC. 8; T51N, R35W, SEC. 9.
Houghton County (Advertised Price \$139,610.25)

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.

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. Bids must be at or above the following advertised price for each species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Basswood	10.90 MBF	\$ 106.00 / MBF
Black Ash	22.50 MBF	\$ 82.00 / MBF
Red Maple	63.20 MBF	\$ 224.00 / MBF
Sugar Maple	161.70 MBF	\$ 369.00 / MBF
Yellow Birch	8.60 MBF	\$ 178.00 / MBF
Pulpwood		
B. T. Aspen	469.00 Cords	\$ 30.30 / Cord
Balsam Fir	17.00 Cords	\$ 20.60 / Cord
Black Ash	108.00 Cords	\$ 17.75 / Cord
Mixed Hardwood	2,435.00 Cords	\$ 17.75 / Cord
Quaking Aspen	46.00 Cords	\$ 30.30 / Cord
White Spruce	5.00 Cords	\$ 32.40 / Cord

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$14,000.00 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.
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2021.

Description of Timber by Payment Unit (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black Ash	Sawtimber	12.1	MBF	53.5	\$13,310.90
	Red Maple		9.1	MBF		
	Sugar Maple		10.9	MBF		
	Yellow Birch		3.3	MBF		
	Balsam Fir	Pulpwood	3.0	Cords		
	Black Ash		47.0	Cords		
	Mixed Hardwood		269.0	Cords		
	<i>Red Maple</i>		<i>156.0</i>	<i>Cords</i>		
	<i>Sugar Maple</i>		<i>85.0</i>	<i>Cords</i>		
	<i>Yellow Birch</i>		<i>28.0</i>	<i>Cords</i>		
2	Black Ash	Sawtimber	2.0	MBF	41.6	\$15,979.95
	Red Maple		9.0	MBF		
	Sugar Maple		16.6	MBF		
	Yellow Birch		2.0	MBF		
	B. T. Aspen	Pulpwood	16.0	Cords		
	Black Ash		23.0	Cords		
	Mixed Hardwood		362.0	Cords		
	<i>Red Maple</i>		<i>146.0</i>	<i>Cords</i>		
	<i>Sugar Maple</i>		<i>151.0</i>	<i>Cords</i>		
	<i>Yellow Birch</i>		<i>65.0</i>	<i>Cords</i>		
3	Red Maple	Sawtimber	6.8	MBF	65.9	\$18,501.25
	Sugar Maple		22.2	MBF		
	Black Ash	Pulpwood	5.0	Cords		
	Mixed Hardwood		490.0	Cords		
	<i>Red Maple</i>		<i>223.0</i>	<i>Cords</i>		
	<i>Sugar Maple</i>		<i>229.0</i>	<i>Cords</i>		
	<i>Yellow Birch</i>		<i>38.0</i>	<i>Cords</i>		
4	Basswood	Sawtimber	10.9	MBF	49.8	\$24,038.00
	Red Maple		8.4	MBF		
	Sugar Maple		39.5	MBF		
	Mixed Hardwood	Pulpwood	362.0	Cords		
	<i>Basswood</i>		<i>41.0</i>	<i>Cords</i>		
	<i>Red Maple</i>		<i>87.0</i>	<i>Cords</i>		
5	Red Maple	Sawtimber	8.6	MBF	64.3	\$32,880.65
	Sugar Maple		62.0	MBF		
	Mixed Hardwood	Pulpwood	455.0	Cords		
	<i>Red Maple</i>		<i>154.0</i>	<i>Cords</i>		
	<i>Sugar Maple</i>		<i>301.0</i>	<i>Cords</i>		
6	Red Maple	Sawtimber	10.9	MBF	24.1	\$20,281.50
	Sugar Maple		1.0	MBF		
	Yellow Birch		1.0	MBF		
	B. T. Aspen	Pulpwood	415.0	Cords		
	Balsam Fir		8.0	Cords		
	Mixed Hardwood		244.0	Cords		
	<i>Red Maple</i>		<i>191.0</i>	<i>Cords</i>		
	<i>Sugar Maple</i>		<i>36.0</i>	<i>Cords</i>		
	<i>Yellow Birch</i>		<i>17.0</i>	<i>Cords</i>		
	Quaking Aspen		2.0	Cords		
	White Spruce		5.0	Cords		
7	Red Maple	Sawtimber	4.1	MBF	6.2	\$5,358.00
	Sugar Maple		1.9	MBF		
	B. T. Aspen	Pulpwood	38.0	Cords		
	Balsam Fir		4.0	Cords		
	Mixed Hardwood		66.0	Cords		

Description of Timber by Payment Unit (PU), con't

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
7 con't	<i>Red Maple</i>	<i>Pulpwood</i>	<i>46.0</i>	<i>Cords</i>			
	<i>Sugar Maple</i>		<i>20.0</i>	<i>Cords</i>			
	Quaking Aspen		44.0	Cords			
8	Black Ash	Sawtimber	8.4	MBF	37.0	\$9,260.00	
	Red Maple		6.3	MBF			
	Sugar Maple		7.6	MBF			
	Yellow Birch		2.3	MBF			
	Balsam Fir	Pulpwood	2.0	Cords			
	Black Ash		33.0	Cords			
	Mixed Hardwood		187.0	Cords			
	<i>Red Maple</i>		<i>108.0</i>	<i>Cords</i>			
	<i>Sugar Maple</i>		<i>59.0</i>	<i>Cords</i>			
	<i>Yellow Birch</i>		<i>20.0</i>	<i>Cords</i>			
	TOTAL:		266.9	MBF			
	TOTAL:		3,080.0	Cords			

Sale Specific Conditions & Requirements

Sale Name: Bruno Creek Hardwoods

Sale Number: 11-011-18 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (1/14)

The sale boundary and Payment Unit boundaries are marked and identified by red paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with red paint. The painted boundary line trees are not Included Timber and are to be protected, unless otherwise directed by the sale administrator.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 6 and 7, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut hemlock, cedar, white pine, and red oak if present. In addition, do not cut yellow birch that are 20 inches or greater at DBH.

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

Within Payment Unit(s) 1, 2, 3, 4, 5, and 8, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.2 - Utilization

2.2.1 - Utilization (2/04)

All listed board foot volumes of sawlog size products in this contract have been determined using a top diameter inside bark of 8 inches.

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. Chips are considered a product and cannot be stockpiled on site. This is because chip piles inhibit regeneration.

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.

3 - Payments

3.4 - Damaged Timber

3.4.1 - Damaged timber (6/14)

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 merchantable trees. Within the sale area, if more than 10% 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 for crossings on State Forest Land. Please notify the DNR 90 days prior to working on any crossings that will require a DEQ 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.

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, for crossings on state land, will be obtained by the DNR. Please notify the DNR 90 days prior to working on any crossings that will require a DEQ permit.

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, and may be 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

4.2.1 - Hauling restriction (12/08)

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. Hauling is not allowed going south on the Otter River Road / Hazel Swamp Road from December 1 to March 31. The restriction is because of snowmobile Trail 109 running on the road.

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. The sale administrator reserves the right to halt harvest activities if haul roads are not properly filled and shaped to his/her specifications.

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.

5 - Operations

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

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 2, 6 and 7, unless changed by written agreement, cutting, skidding, and hauling are only permitted during the period of December 1 to March 31. This restriction is because of winter deer yarding.

5.2.3.2 - Operating restrictions (9/11)

Within Payment Unit(s) 1 - 8, unless changed by written agreement, all clean up activities are to be completed by June 30. This restriction is to let the area re-vegetate before the dry season.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1, 3, 4, 5 and 8, 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 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 the instructions of the sale administrator by July 15 following harvest completion to allow for re-vegetation before the dry season.

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.

7 - Other Conditions

7.3 - Contract Modifications

7.3.1 - Emerald Ash Borer

7.3.1.2 - Emerald ash borer, ash or firewood on sale (2/05)

There is ash and/or "firewood" in this sale and it is located within an emerald ash borer quarantined area. The Director of the Michigan Department of Agriculture (MDA) by the authority of Act No. 72 of the Public Acts of 1945, as amended, and Quarantine Regulation No. 620, has promulgated this quarantine to prevent the further spread of this pest and sets forth: definitions, regulated articles, regulated areas, conditions of movement, violations and penalties, and special exemptions. The Purchaser must comply with this quarantine. Contact the MDA for further information.



TIMBER SALE MAP

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

Sale Number	Year
11-011	18

Forest Management Unit Baraga	County Houghton	Mapped By Carlson	Date 9/13/18	Page 1	of 1
Township 51N	Range 35W	Section(s) and Subdivision(s) Sections 8, 9, 15, 16 & 17. (see map)	Cruised By Budweg Forestry	Scale 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

Bruno Creek Hardwoods

342.4 Acres

Houghton County, Compartment 44

UNIT	1	2	3	4	5	6	7	8	Totals
ACRES	53.5	41.6	65.9	49.8	64.3	24.1	6.2	37	342.4
Sawlogs MBF									
Basswood	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	10.9
Black Ash	12.1	2.0	0.0	0.0	0.0	0.0	0.0	8.4	22.5
Red Maple	9.1	9.0	6.8	8.4	8.6	10.9	4.1	6.3	63.2
Sugar Maple	10.9	16.6	22.2	39.5	62.0	1.0	1.9	7.6	161.7
Yellow Birch	3.3	2.0	0.0	0.0	0.0	1.0	0.0	2.3	8.6
TOTAL	35.4	29.6	29.0	58.8	70.6	12.9	6.0	24.6	266.9
Pulpwood Cords									
Big Tooth Aspen	0	16	0	0	0	415	38	0	469
Balsam Fir	3	0	0	0	0	8	4	2	17
Black Ash	47	23	5	0	0	0	0	33	108
Mixed Hardwood	269	362	490	362	455	244	66	187	2435
Quaking Aspen	0	0	0	0	0	2	44	0	46
White Spruce	0	0	0	0	0	5	0	0	5
TOTAL	319	401	495	362	455	674	152	222	3080

09

GPS Location
46°49.376'N
88°44.525'W

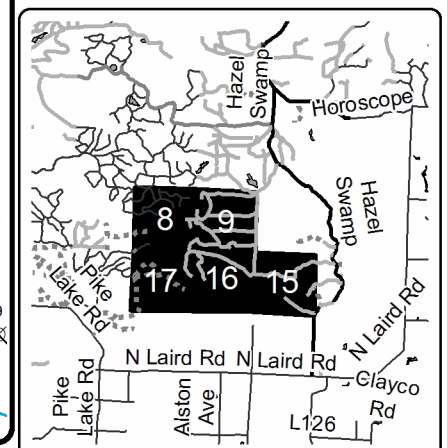


Legend

- Survey Corners
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Against State (Red)
- Payment Unit (Red)
- Nearby Timber Sales
- Forest Access Route
- Powerline



Locator Map
1:200,000



0 0.125 0.25 0.5 0.75 1 Miles