



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6758

REVISION NOTICE #1 - December 3, 2020

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on Thursday, December 10, 2020

LOCATION: Baraga Mgmt Unit, 427 US 41 North, Baraga, MI 49908

This prospectus has been modified with the following changes. PJ Aspen has been withdrawn due to access being denied into Unit 1. Units 2 & 3 will be advertised at a later date.

PJ Aspen (11-021-19) has been withdrawn from this prospectus.

We apologize for any inconvenience this may have caused. If you need assistance, please contact Brad Carlson at 906-353-6651.



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6758

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on December 10, 2020.**

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:

Oak Shelterwood (11-001-20) / T48N, R31W, SEC. 8 , NW,N1/2SW,NWSE.

Baraga County, Advertised Price \$42,333.75, 193.2 Acres, Hardwood, Spruce/Fir/Tamarack.

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 private land.

TIMBER SALE INFORMATION

Oak Shelterwood (11-001-20)

T48N, R31W, SEC. 8.

Baraga County (Advertised Price \$42,333.75)

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 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 Ash	10.2 MBF	\$ 15.00 / MBF
Paper Birch	8.4 MBF	\$ 43.00 / MBF
Red Maple	30.0 MBF	\$ 77.00 / MBF
Red Oak	22.7 MBF	\$ 109.00 / MBF
Sugar Maple	142.1 MBF	\$ 127.00 / MBF
Yellow Birch	22.1 MBF	\$ 51.00 / MBF
Pulpwood		
Balsam Fir	158 Cords	\$ 2.20 / Cord
Mixed Aspen	201 Cords	\$ 4.90 / Cord
Mixed Hardwood	3,341 Cords	\$ 4.50 / Cord
Mixed Spruce	184 Cords	\$ 4.05 / Cord
Paper Birch	81 Cords	\$ 9.25 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 8.93 percent. There are an estimated 6,178 cords on this timber sale, plus or minus 552 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 \$5,000.00 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 06/30/2024.

SALE STATISTICS

SALE VOLUMES

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
488,030	6,178	8.93%	5,626	6,729

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	57,038	722	21.87%	564	880
2	70,476	892	42.03%	517	1,267
3	100,836	1,276	18.17%	1,044	1,508
4	101,491	1,285	13.01%	1,118	1,452
5	51,848	656	22.00%	512	801
6	106,326	1,346	14.47%	1,151	1,541
TOTAL:	488,015	6,177		4,906	7,448

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	21.7	1	21.7
2	26.6	2	26.6
3	35.0	3	35.0
4	32.5	4	32.4
		5	0.1
5	24.3	5	24.3
6	53.1	5	0.1
		6	53.0
TOTAL:	193.2		193.2

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Paper Birch	Sawtimber	2.4	MBF	21.7	\$3,346.40
	Red Maple		5.6	MBF		
	Sugar Maple		2.8	MBF		
	Yellow Birch		3.8	MBF		
	Balsam Fir	Pulpwood	24	Cords		
	Mixed Aspen		12	Cords		
	<i>B. T. Aspen</i>		12	Cords		
	Mixed Hardwood		423	Cords		
	<i>Red Maple</i>		295	Cords		
	<i>Sugar Maple</i>		61	Cords		
	<i>Yellow Birch</i>		67	Cords		
	Mixed Spruce		20	Cords		
	<i>Black Spruce</i>		7	Cords		
	<i>White Spruce</i>		13	Cords		
	Paper Birch		18	Cords		
2	Red Maple	Sawtimber	1.5	MBF	26.6	\$1,756.60
	Balsam Fir	Pulpwood	6	Cords		
	Mixed Aspen		54	Cords		
	<i>B. T. Aspen</i>		15	Cords		
	<i>Quaking Aspen</i>		39	Cords		
	Mixed Hardwood		245	Cords		
	<i>Red Maple</i>		116	Cords		
	<i>Sugar Maple</i>		72	Cords		
	<i>Yellow Birch</i>		57	Cords		
	Mixed Spruce		21	Cords		
	<i>Black Spruce</i>		21	Cords		
	Paper Birch		19	Cords		
3	Black Ash	Sawtimber	4.0	MBF	35.0	\$14,803.70
	Red Maple		7.6	MBF		
	Red Oak		11.9	MBF		
	Sugar Maple		66.1	MBF		
	Yellow Birch		4.0	MBF		
	Balsam Fir	Pulpwood	14	Cords		
	Mixed Aspen		17	Cords		
	<i>B. T. Aspen</i>		17	Cords		
	Mixed Hardwood		838	Cords		
	<i>Black Ash</i>		19	Cords		
	<i>Ironwood</i>		4	Cords		
	<i>Red Maple</i>		299	Cords		
	<i>Red Oak</i>		37	Cords		
	<i>Sugar Maple</i>		409	Cords		
	<i>Yellow Birch</i>		70	Cords		
	Mixed Spruce		27	Cords		
	<i>White Spruce</i>		27	Cords		
	Paper Birch		29	Cords		
4	Black Ash	Sawtimber	2.3	MBF	32.4	\$9,846.05
	Paper Birch		3.3	MBF		
	Red Maple		3.6	MBF		
	Red Oak		10.8	MBF		
	Sugar Maple		35.8	MBF		
	Yellow Birch		3.3	MBF		
	Balsam Fir	Pulpwood	12	Cords		
	Mixed Hardwood		736	Cords		
	<i>Black Ash</i>		15	Cords		
	<i>Ironwood</i>		5	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE				
4 con't	<i>Red Maple</i>	<i>Pulpwood</i>	247	<i>Cords</i>						
	<i>Red Oak</i>		21	<i>Cords</i>						
	<i>Sugar Maple</i>		380	<i>Cords</i>						
	<i>Yellow Birch</i>		68	<i>Cords</i>						
	Mixed Spruce		24	Cords						
	<i>White Spruce</i>		24	<i>Cords</i>						
	Paper Birch		7	Cords						
5	Sugar Maple	Sawtimber	9.1	MBF	24.5	\$3,197.15				
	Yellow Birch	Pulpwood	3.0	MBF						
	Balsam Fir		35	Cords						
	Mixed Aspen		77	Cords						
	<i>B. T. Aspen</i>		62	<i>Cords</i>						
	<i>Quaking Aspen</i>		15	<i>Cords</i>						
	Mixed Hardwood		289	Cords						
	<i>Black Cherry</i>		11	<i>Cords</i>						
	<i>Red Maple</i>		106	<i>Cords</i>						
	<i>Sugar Maple</i>		159	<i>Cords</i>						
	<i>Yellow Birch</i>		13	<i>Cords</i>						
	Mixed Spruce		33	Cords						
	<i>White Spruce</i>		33	<i>Cords</i>						
	6		Black Ash	Sawtimber			3.9	MBF	53.0	\$9,383.85
			Paper Birch	Pulpwood			2.7	MBF		
Red Maple		11.7	MBF							
Sugar Maple		28.3	MBF							
Yellow Birch		8.0	MBF							
Balsam Fir		67	Cords							
Mixed Aspen		41	Cords							
<i>B. T. Aspen</i>		41	<i>Cords</i>							
Mixed Hardwood		810	Cords							
<i>Black Ash</i>		25	<i>Cords</i>							
<i>Ironwood</i>		14	<i>Cords</i>							
<i>Red Maple</i>		418	<i>Cords</i>							
<i>Sugar Maple</i>		259	<i>Cords</i>							
<i>Yellow Birch</i>		94	<i>Cords</i>							
Mixed Spruce		59	Cords							
<i>White Spruce</i>		59	<i>Cords</i>							
Paper Birch		8	Cords							
TOTAL:			235.5		MBF					
TOTAL:			3,965		Cords					

Sale Specific Conditions & Requirements

Sale Name: Oak Shelterwood

Sale Number: 11-001-20 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. Red 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) 1-6, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut any hemlock, white pine, red pine, cedar and unmarked oak. In addition, do not cut yellow birch 20 inches at DBH and larger. Also, within Payment Units 3, 4, 5, and 6, all oak marked with orange paint are designated for cutting.

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.

2.2.8 - 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.

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 undesigned live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to oak tree seedlings and saplings. Within the sale area, if more than 50% of the tree seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the sale area are damaged, liquidated damages will be assessed at \$100 per acre for all acreage within that specified portion of the sale area that was damaged.

No damage is acceptable to undesigned 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.

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, or chipped, utilized or otherwise

removed from 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. Unless other wise directed culverts are to be 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.

4.1.6 - 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, or needs to 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. These roads must be rendered impassable to cars and trucks. 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.

4.2 - Maintenance

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.

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

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference 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 (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.

5.2.30 - 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.

5.4 - 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.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.2 - Snowmobile trail posting (8/09)

The Purchaser is responsible for posting and maintaining caution signs on the snowmobile trail 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. In addition, hauling is limited to Monday - Thursday, during daylight hours. If trucking is to occur on any portion of the trail, the trail will need to have a 4" snow covered base left on it. The Purchaser is responsible for contacting Western Upper Peninsula Trails Specialist, Jeff Kakuk at 906-563-9247 prior to the start of any harvest operations. Also, Baraga County Tourism shall be contacted at 906-524-7444 prior to harvesting to ensure proper signage is in place along the shared portion of the trail.



TIMBER SALE MAP

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

Sale Number

11 - 001

Year

20

Forest Management Unit
BaragaCounty
BaragaMapped By Ryan Mattila
Cruised By Baraga Staff

Date

08/04/2020

Page

1

of
1

Township

48N

Range

31W

Section(s) and Subdivision(s)

Sec 8; NW, N1/2SW, NWSE

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

Legend

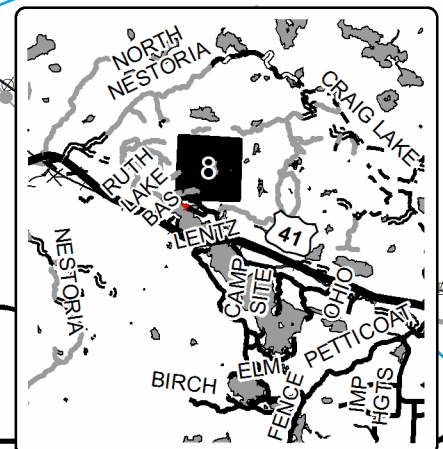
- Highway
- Forest Access Route
- Paved Road
- Gravel Road
- County Road - Seasonal
- Private
- Temporary Management Access
- Recreational Trail
- Survey Corners
- Perennial River
- Lakes and Rivers
- Against State (Red)
- Payment Unit (Red)
- Private Line (Blue)
- Powerline

Oak Shelterwood

193.2 Acres

Baraga County, Compartment 18

UNIT	1	2	3	4	5	6	TOTALS
ACRES	21.7	26.6	35	32.4	24.5	53	193.2
Sawlogs MBF							
Black Ash	0.0	0.0	4.0	2.3	0.0	3.9	10.2
Paper Birch	2.4	0.0	0.0	3.3	0.0	2.7	8.4
Red Maple	5.6	1.5	7.6	3.6	0.0	11.7	30.0
Red Oak	0.0	0.0	11.9	10.8	0.0	0.0	22.7
Sugar Maple	2.8	0.0	66.1	35.9	8.9	28.4	142.1
Yellow Birch	3.8	0.0	4.0	3.3	3.0	8.0	22.1
TOTAL	14.6	1.5	93.6	59.2	11.9	54.7	235.5
Pulpwood Cords							
Balsam Fir	24	6	14	12	35	67	158
Mixed Aspen	12	54	17	0	77	41	201
Mixed Hardwood	423	245	839	738	285	811	3341
Mixed Spruce	20	21	27	24	33	59	184
Paper Birch	18	19	29	7	0	8	81
TOTAL	497	345	926	781	430	986	3965

46°34.1938'N
88°13.2377'WLocator Map
1:200,000

0 0.125 0.25 0.5 0.75 1 Miles