



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7124**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on November 3, 2022.**

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

CONTACT NAME: Brad Carlson

PHONE NUMBER: (906) 353-6651

PROSPECTUS NOTE: Contact Brad Carlson for questions regarding timber sales 11-005-22 Silver West Hardwoods, 11-013-22 Motley Mix or 11-019-22 Skeleton Hdwd.

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:

Skeleton Hdwd (11-019-22) / T51N, R39W, SEC. 30, S1/2NW, N1/2SW, SWSW.

T51N, R39W, SEC. 31, NWNW.

T51N, R40W, SEC. 25, E1/2NW, NWNE, S1/2NE, SE.

T51N, R40W, SEC. 36, NE, N1/2SE.

Ontonagon County, Advertised Price \$57,803.70, 296.8 Acres, Hardwood, Sugar Maple.

SALE NOTE: This contract has a shorter duration due to fading paint.

Access may be through private or other public land.

TIMBER SALE INFORMATION

Skeleton Hdwd (11-019-22)

T51N, R39W, SEC. 30; T51N, R39W, SEC. 31; T51N, R40W, SEC. 25; T51N, R40W, SEC. 36.

Ontonagon County (Advertised Price \$57,803.70)

SALE NOTE: This contract has a shorter duration due to fading paint.

Access may be through private or 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 & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Basswood	51.3 MBF	\$ 38.00 / MBF
Black Ash	11.2 MBF	\$ 12.00 / MBF
Red Maple	132.7 MBF	\$ 63.00 / MBF
Sugar Maple	188.3 MBF	\$ 104.00 / MBF
White Ash	189.9 MBF	\$ 39.00 / MBF
Pulpwood		
Basswood	274 Cords	\$ 3.30 / Cord
Mixed Aspen	71 Cords	\$ 12.75 / Cord
Mixed Hardwood	2,923 Cords	\$ 6.35 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 9.14 percent. There are an estimated 4,721 cords on this timber sale, plus or minus 432 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.
 - (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	6.9%
02	22.8%
03	9.8%
04	12.2%
05	15.6%
06	15.9%
07	16.8%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2025.

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.

<u>VOLUME</u>		<u>STATISTICAL RANGE IN CORDS</u>		
<u>TOTAL CUBIC FEET</u>	<u>TOTAL CORDS</u>	<u>PERCENT ERROR</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
372,932	4,721	9.14%	4,289	5,152

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
21	75,535	956	21.04%	755	1,157
22	78,460	993	21.72%	777	1,209
24	218,937	2,771	9.96%	2,495	3,047
TOTAL:	372,932	4,721		4,028	5,413

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
21	47.2	3	0.2
		5	0.1
		7	46.9
22	41.8	1	17.3
		3	24.4
		7	0.1
24	207.8	2	71.2
		4	38.0
		5	48.7
		6	49.8
		7	0.1
TOTAL:	296.8		296.8

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Black Ash	Sawtimber	2.9	MBF	17.3	\$3,982.10
	Red Maple		16.1	MBF		
	Sugar Maple		3.8	MBF		
	White Ash		15.7	MBF		
	Basswood	Pulpwood	10	Cords		
	Mixed Aspen		4	Cords		
	<i>B. T. Aspen</i>		4	<i>Cords</i>		
	Mixed Hardwood		290	Cords		
	<i>Black Ash</i>		6	<i>Cords</i>		
	<i>Red Maple</i>		122	<i>Cords</i>		
	<i>Sugar Maple</i>		90	<i>Cords</i>		
	<i>White Ash</i>		62	<i>Cords</i>		
	<i>Yellow Birch</i>		10	<i>Cords</i>		
2	Basswood	Sawtimber	17.6	MBF	71.2	\$13,190.15
	Black Ash		1.4	MBF		
	Red Maple		18.6	MBF		
	Sugar Maple		57.7	MBF		
	White Ash		44.0	MBF		
	Basswood	Pulpwood	70	Cords		
	Mixed Aspen		8	Cords		
	<i>B. T. Aspen</i>		8	<i>Cords</i>		
	Mixed Hardwood		517	Cords		
	<i>Black Ash</i>		2	<i>Cords</i>		
	<i>Ironwood</i>		6	<i>Cords</i>		
	<i>Red Maple</i>		70	<i>Cords</i>		
	<i>Sugar Maple</i>		349	<i>Cords</i>		
	<i>White Ash</i>		83	<i>Cords</i>		
	<i>Yellow Birch</i>		7	<i>Cords</i>		
3	Black Ash	Sawtimber	4.1	MBF	24.6	\$5,672.55
	Red Maple		22.8	MBF		
	Sugar Maple		5.5	MBF		
	White Ash		22.3	MBF		
	Basswood	Pulpwood	14	Cords		
	Mixed Aspen		6	Cords		
	<i>B. T. Aspen</i>		6	<i>Cords</i>		
	Mixed Hardwood		413	Cords		
	<i>Black Ash</i>		10	<i>Cords</i>		
	<i>Red Maple</i>		173	<i>Cords</i>		
	<i>Sugar Maple</i>		128	<i>Cords</i>		
	<i>White Ash</i>		89	<i>Cords</i>		
	<i>Yellow Birch</i>		13	<i>Cords</i>		
4	Basswood	Sawtimber	9.4	MBF	38.0	\$7,026.50
	Black Ash		0.8	MBF		
	Red Maple		9.9	MBF		
	Sugar Maple		30.8	MBF		
	White Ash		23.5	MBF		
	Basswood	Pulpwood	38	Cords		
	Mixed Aspen		4	Cords		
	<i>B. T. Aspen</i>		4	<i>Cords</i>		
	Mixed Hardwood		274	Cords		
	<i>Black Ash</i>		1	<i>Cords</i>		
	<i>Ironwood</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		37	<i>Cords</i>		
	<i>Sugar Maple</i>		185	<i>Cords</i>		
	<i>White Ash</i>		44	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4 con't	<i>Yellow Birch</i>	<i>Pulpwood</i>	4	Cords		
5	Basswood Black Ash Red Maple Sugar Maple White Ash Basswood Mixed Aspen <i>B. T. Aspen</i> Mixed Hardwood <i>Black Ash</i> <i>Ironwood</i> <i>Red Maple</i> <i>Sugar Maple</i> <i>White Ash</i> <i>Yellow Birch</i>	Sawtimber Pulpwood 	12.0 1.0 12.8 39.4 30.2 49 5 5 354 1 4 49 238 57 5	MBF MBF MBF MBF MBF Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords	48.8	\$9,023.15
6	Basswood Black Ash Red Maple Sugar Maple White Ash Basswood Mixed Aspen <i>B. T. Aspen</i> Mixed Hardwood <i>Black Ash</i> <i>Ironwood</i> <i>Red Maple</i> <i>Sugar Maple</i> <i>White Ash</i> <i>Yellow Birch</i>	Sawtimber Pulpwood 	12.3 1.0 13.0 40.3 30.8 50 5 5 360 1 4 49 243 58 5	MBF MBF MBF MBF MBF Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords	49.8	\$9,205.55
7	Red Maple Sugar Maple White Ash Basswood Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Ironwood</i> <i>Red Maple</i> <i>Sugar Maple</i> <i>White Ash</i> <i>Yellow Birch</i>	Sawtimber Pulpwood 	39.5 10.8 23.4 43 39 39 715 13 358 254 84 6	MBF MBF MBF Cords Cords Cords Cords Cords Cords Cords Cords Cords	47.1	\$9,703.70
TOTAL:			573.4	MBF		
TOTAL:			3,268	Cords		

Sale Specific Conditions & Requirements

Sale Name: Skeleton Hdwd

Sale Number: 11-019-22 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 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 marked with orange paint.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, 2, 3, 4, 5, 6 and 7, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches 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 within Payment Units 1, 2, 3, 4, 5, 6, and 7; 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 excessive woody debris inhibits regeneration.

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 for crossings located on state land.

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 for crossings located on state land.

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. 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

4.2.2 - 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 State-owned lands.

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.

4.4.5 - Federal property access (3/11)

Permission for access across federal land is the responsibility of the Purchaser. Contact for Forest Service: Del Platzke
Phone: (906)-285-9004 Email: del.e.platzke@usda.gov

5 - Operations

5.2 - Conduct of Operations

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, 4, 5, 6 and 7, unless changed by written agreement, all cleanup work must be completed by June 15 for harvest areas completed during previous operating season. This restriction is to allow the cleanup areas to revegetate before the dry season.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1, 2, 3, 4, 5, 6 and 7, 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.

5.2.32 - 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

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on FDR 690 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.



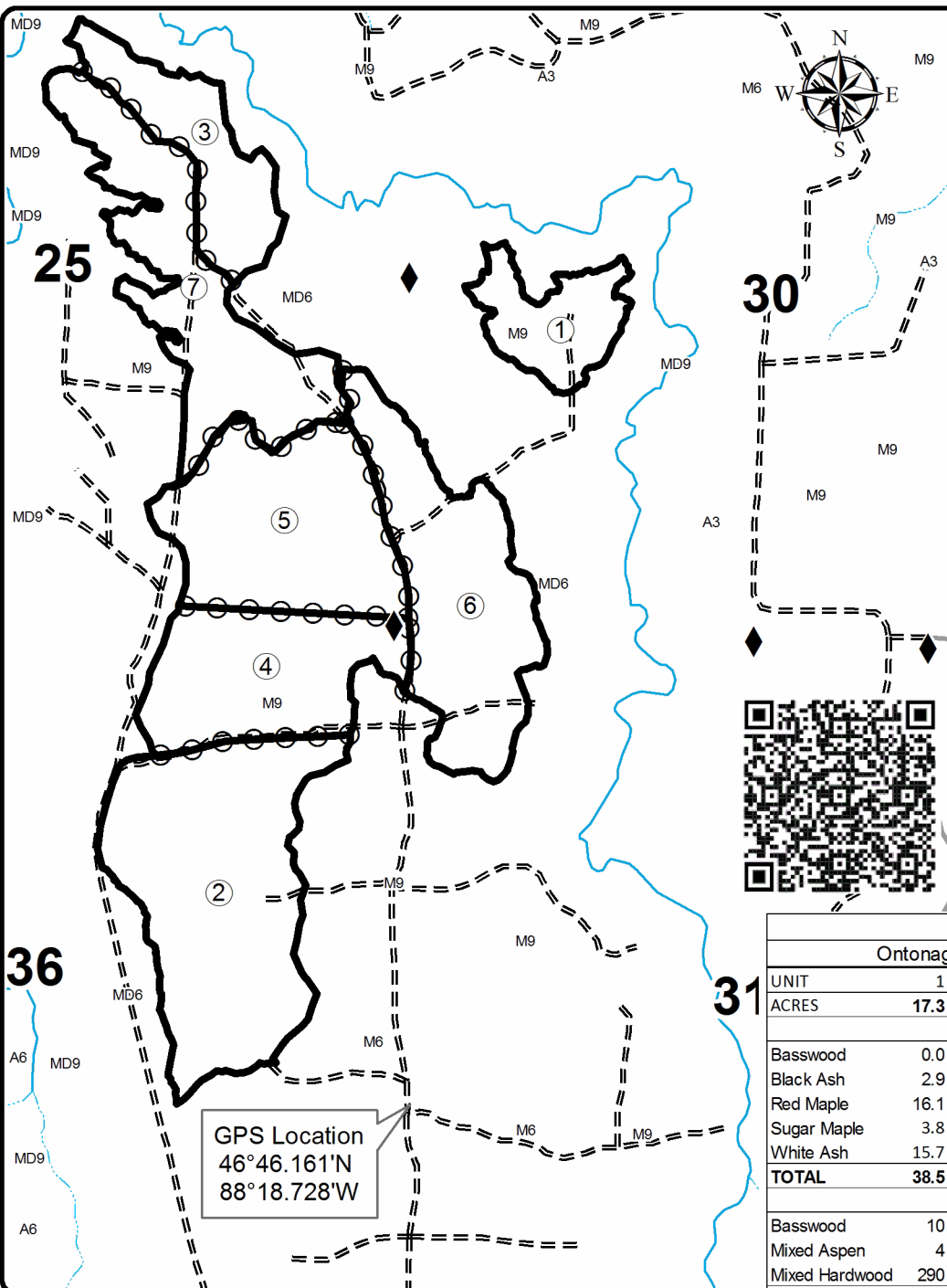
TIMBER SALE MAP

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

Sale Number	Year
11-019	22

Forest Management Unit Baraga	County Ontonagon	Mapped By Carlson	Date 8/29/2022	Page 1	of 1
Township 51N	Range 39 & 40W	Section(s) and Subdivision(s) See Map	Cruised By Baraga Staff	Scale 1:15,840	

Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hdwoods	M = Mpl, Bch, Brch	R = Red Pine	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water		
G = Grass	MD = Mixed Deciduous	T = Tamarack			

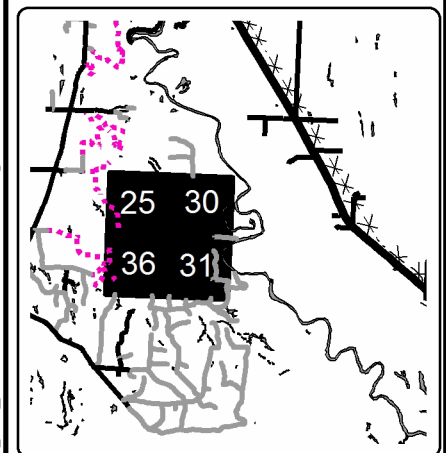


Legend

- Stand Boundaries
- Survey Corners
- Forest Access Route
- Private
- Intermittent Stream
- Perennial River
- Against State (Red)
- Payment Unit (Red)

Locator Map

1:200,000



Skeleton Hardwoods

Ontonagon County, Compartment 11070

UNIT	1	2	3	4	5	6	7	TOTALS
ACRES	17.3	71.2	24.6	38.0	48.8	49.8	47.1	296.8
Sawlogs MBF								
Basswood	0.0	17.6	0.0	9.4	12.0	12.3	0.0	51.3
Black Ash	2.9	1.4	4.1	0.8	1.0	1.0	0.0	11.2
Red Maple	16.1	18.6	22.8	9.9	12.8	13.0	39.5	132.7
Sugar Maple	3.8	57.7	5.5	30.8	39.4	40.3	10.8	188.3
White Ash	15.7	44.0	22.3	23.5	30.2	30.8	23.4	189.9
TOTAL	38.5	139.3	54.7	74.4	95.4	97.4	73.7	573.4
Pulpwood Cords								
Basswood	10	70	14	38	49	50	43	274
Mixed Aspen	4	8	6	4	5	5	39	71
Mixed Hardwood	290	517	413	274	354	360	715	2923
TOTAL	304	595	433	316	408	415	797	3268