



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7585**

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on May 8, 2025.**

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, CRYSTAL FALLS MANAGEMENT UNIT, for certain timber on the following described lands:

Fence Lake Mix (12-052-25) / T45N, R31W, SEC. 36, NW, W1/2NE.

Iron County, Advertised Price \$15,254.00, 52.7 Acres, Aspen, Hardwood.

TIMBER SALE INFORMATION

Fence Lake Mix (12-052-25)

T45N, R31W, SEC. 36.

Iron County (Advertised Price \$15,254.00)

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		
Red Maple	24.6 MBF	\$ 133.00 / MBF
Sugar Maple	6.3 MBF	\$ 250.00 / MBF
Pulpwood		
Balsam Fir	7 Cords	\$ 4.40 / Cord
Mixed Aspen	356 Cords	\$ 17.70 / Cord
Mixed Hardwood	309 Cords	\$ 12.90 / Cord
Mixed Spruce	9 Cords	\$ 9.90 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 17.79 percent. There are an estimated 753 cords on this timber sale, plus or minus 134 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	42.1%
02	57.9%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2028.

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
59,498	753	17.79%	619	887

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.

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
30	29,368	372	27.65%	269	475
42	30,130	381	23.38%	292	471
TOTAL:	59,498	753		561	945

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
30	16.8	1	16.8
42	35.9	2	35.9
TOTAL:	52.7		52.7

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir	Pulpwood	7	Cords	16.8	\$6,421.10
	Mixed Aspen		356	Cords		
	<i>Quaking Aspen</i>		356	<i>Cords</i>		
	Mixed Spruce		9	Cords		
	<i>White Spruce</i>		9	<i>Cords</i>		
2	Red Maple	Sawtimber	24.6	MBF	35.9	\$8,832.90
	Sugar Maple		6.3	MBF		
	Mixed Hardwood	Pulpwood	309	Cords		
	<i>Ironwood</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		208	<i>Cords</i>		
	<i>Sugar Maple</i>		100	<i>Cords</i>		
TOTAL:			30.9	MBF		
TOTAL:			681	Cords		

Sale Specific Conditions & Requirements

Sale Name: Fence Lake Mix

Sale Number: 12-052-25 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 painted dots.

2 - Timber Specifications

2.1 - Included Timber

2.1.1 - Clearcut Unit(s) with Unmerchantable Trees (6/14)

Within Payment Unit(s) 1, cut all aspen trees that are 4.6 inches or more at DBH. In addition, cut all spruce and balsam fir that are 12 inches stump diameter and larger. Do not cut any other tree species not listed above.

2.1.3 - Cut Tree Marked Unit(s) (12/08)

Within Payment Unit(s) 2, 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 (12/24)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches at DBH and four (4) inches for trees smaller than 10 inches at DBH.

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. Chip piles must be removed within 60 days of the sale expiration. In addition, after chip pile removal, residual chip depth at the landing may not exceed 4 inches.

3 - Payments

3.4 - Damaged Timber

3.4.1 - Damaged Timber (12/24)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. 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 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

4.1.6 - Road Construction (4/24)

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, not left in windrows, and kept a minimum of 5 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 5 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 closed roads opened for access into the Sale Area must be blocked to vehicle traffic within 60 days of the sale expiration.

In general, this will require restoring a 5-foot berm. These roads must be made impassable to ORVs. Contact the Sale Administrator for specific design and placement.

4.1.12 - No New Roads (1/12)

No new roads will be permitted. Existing overgrown roads may be opened up and utilized with approval from the Sale Administrator.

4.2 - Maintenance

4.2.5 - Two Wheel Drive Condition (2/04)

All existing trail roads on and adjacent to the Sale Area must be passable by two-wheel drive traffic for the duration of the sale.

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash Height (12/08)

No slash or tree tops may exceed 24 inches in height.

5.2.1.11 - Slash for Reforestation (3/21)

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) 1, cutting, skidding, and hauling are not permitted from March 1 to May 15. This restriction is to avoid resource damage during spring break up. Within Payment Unit 2, cutting, skidding, and hauling are not permitted from March 1 to July 15. This restriction is to avoid resource damage during spring break up and bark slip season. If prolonged wet weather conditions occur throughout the operating season, the Sale Administrator may suspend operations until favorable weather and ground conditions are present.

5.2.22 - Operating Caution

5.2.22.1 - Operating Caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 2, cutting, skidding, and hauling occur during frozen winter conditions. The reason for the recommendation is because of heavy soils and low areas in the Sale Area and the haul roads. If favorable soil conditions are not present during non-frozen, winter conditions, operations will not be permitted.

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.

5.4.6 - Wet Area Protection (5/10)

No harvesting operations, including skidding and felling, are to take place within any vernal pond areas or drainages. When

harvesting occurs, there should be no disturbance to any vernal depression. All equipment, trees and tops should be kept out of this area, and within 100 feet, 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.

5.8 - 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 onsite 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
12-052-25

Date
03/13/2025

Forest Management Unit
Crystal Falls Mgt Unit

County
Iron

Mapped By: RICE
Cruised By: RICE

Scale
1:15,840

Page
1

Of
1

Township
45N

Range
31W

Section(s) and
Subdivision(s) Sec. 36 NW,W1/2NE;

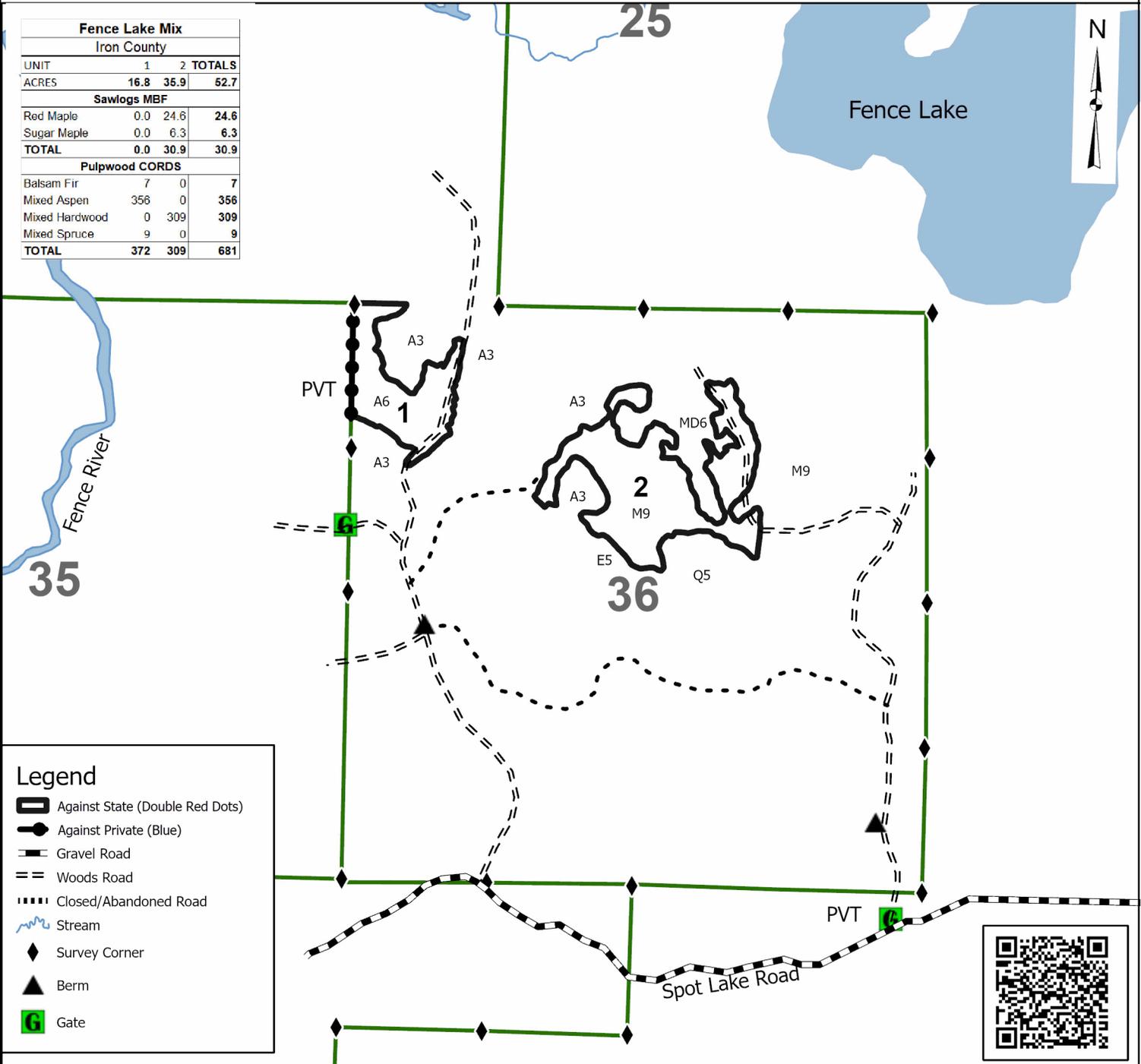
Cover Type

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

Fence Lake Mix			
Iron County			
UNIT	1	2	TOTALS
ACRES	16.8	35.9	52.7
Sawlogs MBF			
Red Maple	0.0	24.6	24.6
Sugar Maple	0.0	6.3	6.3
TOTAL	0.0	30.9	30.9
Pulpwood CORDS			
Balsam Fir	7	0	7
Mixed Aspen	356	0	356
Mixed Hardwood	0	309	309
Mixed Spruce	9	0	9
TOTAL	372	309	681



Legend

- Against State (Double Red Dots)
- Against Private (Blue)
- Gravel Road
- Woods Road
- Closed/Abandoned Road
- Stream
- Survey Corner
- Berm
- Gate

