



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7308**

SCHEDULED SALE DATE AND TIME: **2:00 p.m. (local time) on April 8, 2024.**

LOCATION: **GWINN MGMT UNIT, 410 WEST M 35, GWINN, MI 49841.**

CONTACT NAME: Mike Brodeur

PHONE NUMBER: (906) 346-9201

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

Fraidy Frog Aspen and Spruce (32-009-23) / T45N, R28W, SEC. 20, SENE, NESE.

T45N, R28W, SEC. 21, S1/2NW, N1/2SW, SESW, SWSE.

T45N, R28W, SEC. 28, NENW, S1/2NW, NE, N1/2SW, SWSW.

T45N, R28W, SEC. 29, SESE.

Marquette County, Advertised Price \$33,544.90, 99.7 Acres, Aspen, Spruce/Fir/Tamarack.

## TIMBER SALE INFORMATION

Fraidy Frog Aspen and Spruce (32-009-23)

T45N, R28W, SEC. 20; T45N, R28W, SEC. 21; T45N, R28W, SEC. 28; T45N, R28W, SEC. 29.

Marquette County (Advertised Price \$33,544.90)

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 &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Pulpwood		
Balsam Fir	51 Cords	\$ 10.30 / Cord
Mixed Aspen	888 Cords	\$ 20.20 / Cord
Mixed Hardwood	47 Cords	\$ 11.80 / Cord
Mixed Spruce	531 Cords	\$ 12.75 / Cord
N. White Cedar	210 Cords	\$ 4.05 / Cord
Paper Birch	75 Cords	\$ 14.55 / Cord
Red Pine	10 Cords	\$ 43.65 / Cord
Tamarack	361 Cords	\$ 14.90 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 15.82 percent. There are an estimated 2,117 cords on this timber sale, plus or minus 335 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 \$1,677.25 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	32.0%
02	3.4%
03	9.2%
04	20.7%
05	29.4%
06	5.3%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2027.

### **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>
167,268	2,117	15.82%	1,782	2,452

## 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	72,386	916	23.86%	698	1,135
15	19,935	252	23.85%	192	313
17	5,909	75	67.67%	24	125
21	61,044	773	19.03%	626	920
54	7,995	101	30.42%	70	132
<b>TOTAL:</b>	<b>167,268</b>	<b>2,117</b>		<b>1,610</b>	<b>2,625</b>

## 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	43.0	1	43.0
15	16.5	3	16.5
17	8.4	2	8.4
21	20.6	4	8.5
		5	12.1
54	11.2	6	11.2
<b>TOTAL:</b>	<b>99.7</b>		<b>99.7</b>

**DESCRIPTION OF TIMBER BY PU (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Red Maple</i> Mixed Spruce <i>Black Spruce</i> N. White Cedar Red Pine Tamarack	Pulpwood	6 18 18 13 13 339 339 210 10 305	Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords	43.0	\$10,732.55
2	Balsam Fir Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Red Maple</i> <i>Sugar Maple</i>	Pulpwood	15 32 32 28 11 17	Cords Cords Cords Cords Cords Cords	8.4	\$1,131.30
3	Mixed Aspen <i>Quaking Aspen</i> Mixed Spruce <i>Black Spruce</i> Paper Birch Tamarack	Pulpwood	6 6 115 115 49 53	Cords Cords Cords Cords Cords Cords	16.5	\$3,090.10
4	Balsam Fir Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Red Maple</i> Mixed Spruce <i>White Spruce</i> Paper Birch	Pulpwood	12 327 327 2 2 12 12 3	Cords Cords Cords Cords Cords Cords Cords Cords	8.5	\$6,949.25
5	Balsam Fir Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Red Maple</i> Mixed Spruce <i>White Spruce</i> Paper Birch	Pulpwood	17 466 466 2 2 16 16 4	Cords Cords Cords Cords Cords Cords Cords Cords	12.1	\$9,874.10
6	Balsam Fir Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Red Maple</i> Mixed Spruce <i>Black Spruce</i> Paper Birch Tamarack	Pulpwood	1 39 39 2 2 49 49 19 3	Cords Cords Cords Cords Cords Cords Cords Cords Cords	11.2	\$1,767.60
TOTAL:			2,173	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Fraidy Frog Aspen and Spruce**

**Sale Number: 32-009-23 Seq#: 2**

### **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 red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Payment unit lines are marked in yellow paint. The painted boundary line trees are not Included Timber and are to be protected. Yellow 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**

##### **2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)**

Within Payment Unit(s) 2, 4, 5, & 6, cut all trees that are two (2) inches or more at DBH, except do not cut cedar, hemlock, oak, red pine or white pine. In addition, within Payment Units 1 & 3, cut all trees that are two (2) inches or more at DBH, except in Payment Unit 1 do not cut paper birch and in Payment Unit 3 do not cut cedar, white pine or red pine.

### **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 tree seedlings and saplings.

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**

##### **4.1.3 - 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.

##### **4.1.4 - Timber removed for construction (3/23)**

Trees cut or damaged in the process of pre-approved road, landing or skid trail construction will be decked in an area separate from other Designated Timber and not removed until measured by the sale administrator. Payment will be made at contract prices or average prices, if not on the contract.

##### **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.

#### 4.1.8 - Road work (1) (8/07)

The following road work is required: 100 cubic yards of gravel must be added to state forest roads. Contact the Sale Administrator for specifics on where to place the gravel.

### 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. Depending on the time of year, multiple areas may require fill material for access across the Sale Area. 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 bulldozer 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

### 5.1 - 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 3 days in advance to schedule the conference.

### 5.2 - Conduct of Operations

#### 5.2.1 - Slash

##### 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, 2, 3 & 6, unless changed by written agreement, cutting, and skidding are limited to the period of 12/15 to 4/1. This restriction is due to wet soil conditions.

##### 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 Camp Hope Road and Flat Rock Road 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.

## **7 - Other Conditions**

### **7.5 - Loss**

#### **7.5.1 - Deteriorating timber (7/09)**

The sale area has received damage from spruce budworm. The Purchaser should harvest the wood as soon as possible. The Department of Natural Resources is held free of responsibility of any further damage or deterioration due to delay in harvesting.

**TIMBER SALE MAP**

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

Sale Number  
32-009-23Date  
11/27/2023

Forest Management Unit

County

Mapped By: Gould

Scale

Page

Of

Gwinn Mgt Unit

Marquette

Cruised By: Gould

1:24,000

1

1

Township

Range

Section(s) and NENW,S1/2NW,NE,N1/2SW,SWSW; Sec. 29 SESE; Sec 20 SENE,NESE; SEC. 21

45N

28N

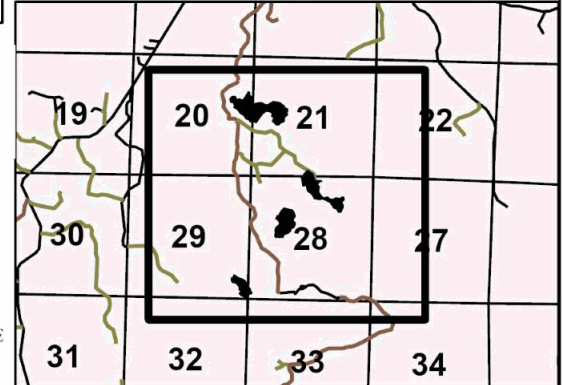
Subdivision(s) S1/2NW,N1/2SW,SESW,SWSE; Sec. 28

**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**

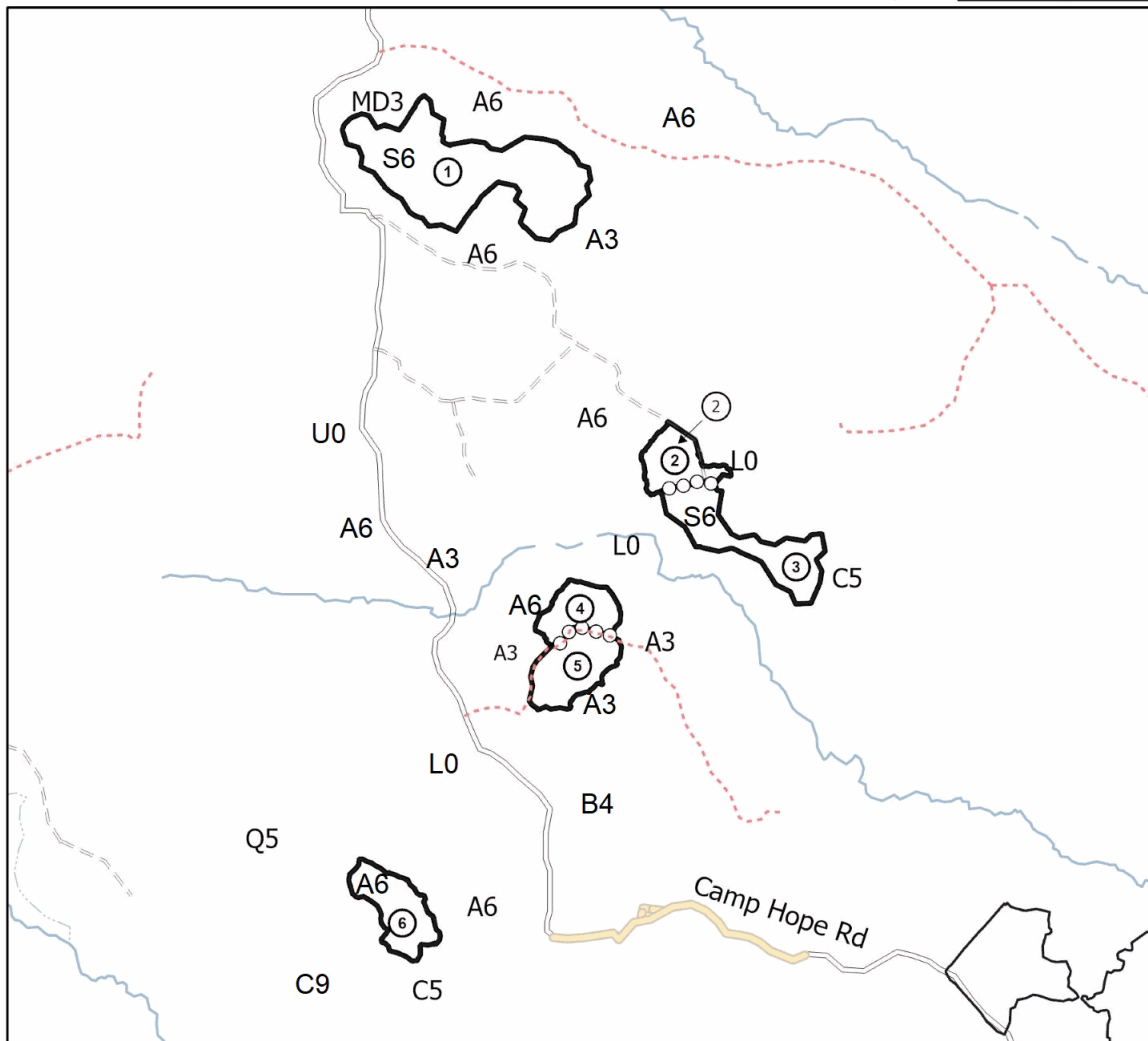
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

**Locator Map (1:100,000)**

PU #	Acres	PU #	Acres
1	43	4	8.5
2	8.5	5	12
3	16.5	6	11.2

**Fraidy Frog Aspen and Spruce****99.7 Acres**

0 0.28 0.55 1.1 Miles

**Legend**

- Against State (Red)
- Payment Unit (Yellow)
- Intermittent Stream
- Perennial River
- Primary Forest Road
- Secondary Forest Road
- Forest Access Route
- Administrative Access Only
- Non-DNR Road

Use QR Code to open Map in App

