

# DEPARTMENT OF NATURAL RESOURCES STATE OF MICHIGAN

# **TIMBER SALE PROSPECTUS #6823**

SCHEDULED SALE DATE AND TIME: 8:30 a.m. (local time) on February 24, 2021. LOCATION: CRYSTAL FALLS MGMT UNIT, 1420 US 2 WEST, CRYSTAL FALLS, MI 49920.

CONTACT NAME: Dan McNamee PHONE NUMBER: (906) 875-6622

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:

Yellow Brick Road (12-009-20) / T40N, R29W, SEC. 22, NWSW, SESE.

T40N, R29W, SEC. 23, SWSW.

T40N, R29W, SEC. 27, S1/2NW, NENE, S1/2NE, NESW, SE.

T40N, R29W, SEC. 28, SESE.

T40N, R29W, SEC. 33, NENE.

T40N, R29W, SEC. 34, N1/2NW, NWNE, S1/2NE.

T40N, R29W, SEC. 35, W1/2NW.

Dickinson County, Advertised Price \$69,841.10, 311.2 Acres, Aspen, Hardwood.

SALE NOTE: Payment Unit 3 is optional (see spec 2.1.11). Road work will be required (see spec 4.1.8).

#### TIMBER SALE INFORMATION

# Yellow Brick Road (12-009-20)

T40N, R29W, SEC. 22; T40N, R29W, SEC. 23; T40N, R29W, SEC. 27; T40N, R29W, SEC. 28; T40N, R29W, SEC. 33; T40N, R29W, SEC. 35.

SALE NOTE: Payment Unit 3 is optional (see spec 2.1.11). Road work will be required (see spec 4.1.8).

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:

PRODUCTS & SPECIES	ESTIMATED UNITS*		<u>ADVI</u>	ERTISED PRICE
Sawtimber				
Basswood	76.2	MBF	\$	65.00 / MBF
Beech	11.1	MBF	\$	41.00 / MBF
Paper Birch	2.6	MBF	\$	50.00 / MBF
Red Oak	32.8	MBF	\$	96.00 / MBF
Sugar Maple	23.5	MBF	\$	150.00 / MBF
White Ash	43.2	MBF	\$	34.00 / MBF
Yellow Birch	2.8	MBF	\$	35.00 / MBF
Pulpwood				
Balsam Fir	18	Cords	\$	12.55 / Cord
Jack Pine	6	Cords	\$	17.10 / Cord
Mixed Aspen	717	Cords	\$	24.65 / Cord
Mixed Hardwood	2,203	Cords	\$	16.10 / Cord
Red Oak	157	Cords	\$	15.75 / Cord
White Spruce	12	Cords	\$	9.90 / Cord

<sup>\*</sup> The total volume is statistically estimated within plus (+) or minus (-) 8.97 percent. There are an estimated 3,496 cords on this timber sale, plus or minus 314 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 \$6,984.11 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 06/29/2024.

#### **SALE STATISTICS**

#### **SALE VOLUMES**

VOLUME			STATISTICAL RA	ANGE IN CORDS
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM MAXIMUM	
276,167	3,496	8.97%	3,182	3,809

# **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	9,867	125	49.19%	63	186
2	2,299	29	143.24%	13	71
3	37,746	478	24.93%	359	597
4	61,399	777	17.29%	643	912
5	68,556	868	18.01%	712	1,024
6	20,098	254	27.29%	185	324
7	18,684	237	32.46%	160	313
8	4,456	56	88.74%	6	106
9	27,690	351	34.89%	228	473
10	25,367	321	19.75%	258	385
TOTAL:	276,160	3,496		2,601	4,391

#### **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	6.4	1	6.4
2	4.7	2	4.7
3	15.9	3	15.9
4	63.0	4	19.0
		5	26.0
		6	18.0
5	95.7	7	39.8
		8	15.0
		9	40.9
6	37.8	10	37.8
7	32.9	11	32.9
8	5.9	12	5.9
9	15.3	13	15.3
10	33.6	14	33.6
TOTAL:	311.2		311.2

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Pulpwood	43	Cords	6.4	\$2,364.05
	Quaking Aspen		43	Cords		
	Mixed Hardwood		81	Cords		
	Basswood		10	Cords		
	Black Ash		3	Cords		
	Paper Birch		4	Cords		
	Red Maple		22	Cords		
	Sugar Maple		42	Cords		
2	Mixed Aspen	Pulpwood	27	Cords	4.7	\$697.75
	Quaking Aspen	'	27	Cords		·
	Mixed Hardwood		2	Cords		
	Sugar Maple		2	Cords		
3	Paper Birch	Sawtimber	1.0	MBF	15.9	\$10,308.75
J	Sugar Maple	Cawanibei	8.3	MBF	10.5	Ψ10,000.70
	White Ash		1.7	MBF		
	Yellow Birch		1.0	MBF		
	Balsam Fir	Pulpwood	13	Cords		
	Mixed Aspen	Fulpwood	192	Cords		
			149	Cords		
	B. T. Aspen			l		
	Balsam Poplar		9	Cords		
	Quaking Aspen		34	Cords		
	Mixed Hardwood		250	Cords		
	Basswood		3	Cords		
	Black Ash		9	Cords		
	Ironwood		8	Cords		
	Paper Birch		1	Cords		
	Red Maple		58	Cords		
	Sugar Maple		144	Cords		
	White Ash		4	Cords		
	Yellow Birch		23	Cords		
4	Basswood	Sawtimber	15.3	MBF	19.0	\$4,866.75
	Sugar Maple		3.8	MBF		
	White Ash		7.2	MBF		
	Mixed Aspen	Pulpwood	13	Cords		
	B. T. Aspen		3	Cords		
	Quaking Aspen		10	Cords		
	Mixed Hardwood		170	Cords		
	Basswood		67	Cords		
	Beech		5	Cords		
	Ironwood		2	Cords		
	Red Maple		2	Cords		
	Sugar Maple		68	Cords		
	White Ash		26	Cords		
5	Basswood	Sawtimber	21.0	MBF	26.0	\$6,619.75
	Sugar Maple		5.2	MBF		
	White Ash		9.9	MBF		
	Mixed Aspen	Pulpwood	17	Cords		
	B. T. Aspen		4	Cords		
	Quaking Aspen		13	Cords		
	Mixed Hardwood		231	Cords		
	Basswood		91	Cords		
	Beech		7	Cords		
				l		
	Ironwood		2	Cords		
	Red Maple		3	Cords		
	Sugar Maple		93	Cords	1	

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	White Ash	Pulpwood	35	Cords		
6	Basswood	Sawtimber	14.5	MBF	18.0	\$4,588.90
	Sugar Maple		3.6	MBF		
	White Ash		6.9	MBF		
	Mixed Aspen	Pulpwood	12	Cords		
	B. T. Aspen		3	Cords		
	Quaking Aspen		9	Cords		
	Mixed Hardwood		160	Cords		
	Basswood		63	Cords		
	Beech		5	Cords		
	Ironwood		2	Cords		
	Red Maple		2	Cords		
	Sugar Maple		64	Cords		
	White Ash		24	Cords		
7	Basswood	Sawtimber	8.5	MBF	39.8	\$6,262.10
,	Beech	Cawtimber	3.6	MBF	33.0	ψ0,202.10
	White Ash		4.0	MBF		
	Yellow Birch		0.7	MBF		
	Mixed Aspen	Pulpwood	16	1		
	· ·	Pulpwood		Cords		
	B. T. Aspen		9	Cords		
	Quaking Aspen		7	Cords		
	Mixed Hardwood	0 (; )	311	Cords		
	Black Ash	Sawtimber	0.5	MBF		
	Basswood	Pulpwood	74	Cords		
	Beech		64	Cords		
	Black Ash		1	Cords		
	Ironwood		3	Cords		
	Red Maple		9	Cords		
	Sugar Maple		128	Cords		
	White Ash		28	Cords		
	Yellow Birch		3	Cords		
8	Basswood	Sawtimber	3.2	MBF	15.0	\$2,338.30
	Beech		1.3	MBF		
	White Ash		1.5	MBF		
	Yellow Birch		0.3	MBF		
	Mixed Aspen	Pulpwood	6	Cords		
	B. T. Aspen		3	Cords		
	Quaking Aspen		3	Cords		
	Mixed Hardwood		116	Cords		
	Black Ash	Sawtimber	0.2	MBF		
	Basswood	Pulpwood	28	Cords		
	Beech	,	24	Cords		
	Ironwood		1	Cords		
	Red Maple		3	Cords		
	Sugar Maple		48	1	Cords Cords	
	White Ash		11	1		
	Yellow Birch		1	Cords		
9	Basswood	Sawtimber	8.8	MBF	40.9	\$6,437.50
J	Beech	CawuiiiDei	3.7	MBF	40.9	φυ, <del>4</del> 37.30
				1		
	White Ash		4.1	MBF		
	Yellow Birch	Dodawa I	0.8	MBF		
	Mixed Aspen	Pulpwood	16	Cords		
	B. T. Aspen		9	Cords		
	Quaking Aspen		7	Cords		
Mixed Hardwood		320	Cords			

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
9 con't	Black Ash	Sawtimber	0.6	MBF		
	Basswood	Pulpwood	76	Cords		
	Beech		67	Cords		
	Black Ash		1	Cords		
	Ironwood		3	Cords		
	Red Maple		9	Cords		
	Sugar Maple		131	Cords		
	White Ash		29	Cords		
	Yellow Birch		3	Cords		
10	Basswood	Sawtimber	1.2	MBF	37.8	\$5,138.80
	Beech		2.5	MBF		
	Red Oak		9.0	MBF		
	Mixed Aspen	Pulpwood	49	Cords		
	B. T. Aspen		12	Cords		
	Quaking Aspen		37	Cords		
	Mixed Hardwood		147	Cords		
	Basswood		34	Cords		
	Beech		30	Cords		
	Ironwood		3	Cords		
	Paper Birch		2	Cords		
	Red Maple		2	Cords		
	Sugar Maple		57	Cords		
	White Ash		17	Cords		
	Yellow Birch		2	Cords		
4.4	Red Oak	0 " 1	33	Cords		<b>\$5.070.45</b>
11	Basswood	Sawtimber	1.3	MBF	32.9	\$5,273.15
	Red Oak		21.2	MBF		
	Sugar Maple		0.5	MBF MBF		
	White Ash Mixed Aspen	Pulpwood	2.5 4	Cords		
	Quaking Aspen	Fulpwood	4	Cords		
	Mixed Hardwood		81	Cords		
	Basswood		13	Cords		
	Beech		7	Cords		
	Ironwood		2	Cords		
	Paper Birch		2	Cords		
	Red Maple		3	Cords		
	Sugar Maple		38	Cords		
	White Ash		16	Cords		
	Red Oak		101	Cords		
12	Basswood	Sawtimber	1.2	MBF	5.9	\$1,103.45
	Red Oak		2.6	MBF		, , , , ,
	White Ash		0.8	MBF		
	Mixed Hardwood	Pulpwood	24	Cords		
	Basswood		12	Cords		
	Sugar Maple		8	Cords		
	White Ash		4	Cords		
	Red Oak		23	Cords		
13	Basswood	Sawtimber	1.2	MBF	15.3	\$8,095.80
	Sugar Maple		0.5	MBF		
	Jack Pine	Pulpwood	6	Cords		
	Mixed Aspen		274	Cords		
	B. T. Aspen		156	Cords		
	Quaking Aspen		118	Cords		
	Mixed Hardwood	1	65	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
13 con't	Basswood	Pulpwood	4	Cords		
	Black Cherry		3	Cords		
	Paper Birch		6	Cords		
	Red Maple		22	Cords		
	Sugar Maple		23	Cords		
	White Ash		7	Cords		
	White Spruce		4	Cords		
14	Paper Birch	Sawtimber	1.6	MBF	33.6	\$5,729.95
	Sugar Maple		1.6	MBF		
	White Ash		4.6	MBF		
	Balsam Fir	Pulpwood	5	Cords		
	Mixed Aspen		48	Cords		
	Quaking Aspen		48	Cords		
	Mixed Hardwood		244	Cords		
	Basswood		54	Cords		
	Black Ash		3	Cords		
	Ironwood		2	Cords		
	Paper Birch		9	Cords		
	Red Maple		18	Cords		
	Sugar Maple		114	Cords		
	White Ash		44	Cords		
	White Spruce		8	Cords		
		TOTAL:	192.2	MBF		
		TOTAL:	3,112	Cords	·	

# **Sale Specific Conditions & Requirements**

Sale Name: Yellow Brick Road Sale Number: 12-009-20 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, red and yellow 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 yellow 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

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

Within Payment Unit(s) 3, cut all trees that are two (2) inches or more at DBH, except do not cut cedar, hemlock, white pine, and oak. In addition, do not cut any sub-merchantable spruce/fir.

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

Within Payment Unit(s) 1 and 13, cut all trees which meet minimum piece specifications in 2.2 Utilization, except don not cut cedar, hemlock, white pine, and oak. In addition, within Payment Unit 1, do not cut black cherry.

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

Within Payment Unit(s) 2, 4-12, and 14, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within Payment Units 4-9, cut all beech except those marked with green paint. Also within Payment Unit 10, cut all beech and aspen except those beech marked with green paint. Furthermore, within Payment Unit 14, cut all paper birch.

#### 2.1.11 - Description of timber note (2/04)

Note that Payment Unit 3 is an optional unit. If the Purchaser elects to harvest Payment Unit 3, it will be paid for at contract prices. If the Purchaser chooses not harvest Payment Unit 3, it will be removed from the sale via a Timber Sale Contract Amendment.

#### 3 - Payments

#### 3.3 - Pre-measured Sales

# 3.3.4 - Dividing payment units (7/14)

Payment Unit(s) may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

# 4 - Transportation

#### 4.1 - Construction

#### 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 18 inches in diameter and 24 feet in length. Stream crossing permits, if needed, will be obtained by the DNR.

#### 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. Some existing roads may also need to be closed, see the Timber Sale Map for

locations. 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. 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: The Purchaser will be required to install four (4) 18'x24' culverts and haul and spread approximately 770 yards of pit run gravel. Locations for culvert placement and fill are shown on the Timber Sale Map. All road work must be completed before any harvesting operations can begin.

The following road work is optional, depending on whether Payment Unit 3 is harvested: Installing one (1) culvert and and approximately 125 yards of pit run into gravel into Payment Unit 3.

#### 5 - Operations

#### 5.2 - Conduct of Operations

#### 5.2.1 - Slash

#### 5.2.1.13 - Dispose of slash as directed (12/05)

Slash is to be disposed of as directed by Sale Administrator.

#### 5.2.3 - Operating Restrictions

#### 5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 2, 4-12, and 14, 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.

# 5.2.3.4 - Oak wilt restriction, no exceptions (1/18)

Within all Payment Units cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. No exceptions will be granted. This is necessary to reduce the spread of oak wilt.

# 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.

# 6 - Safety and Fire Prevention

#### 6.2 - Signing

#### 6.2.1 - Road posting (9/09)

The Purchaser is responsible for posting and maintaining caution signs on Pine Creek Lake Road prior to beginning operations. The road must be posted at the intersection of Pine Creek Lake Road and County Road 573 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.

Section Name: Sale Specific Current as of 1/22/2021 3:28:43PM



