



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6898

SCHEDULED SALE DATE AND TIME: 8:30 a.m. (local time) on August 4, 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:

Tromp Swamp Mix (12-005-21) / T44N, R29W, SEC. 23, S1/2NW,SENE,SW,N1/2SE,SWSE.

T44N, R29W, SEC. 24, SWNW,NWSW.

Dickinson County, Advertised Price \$4,908.95, 74.8 Acres, Aspen, Spruce/Fir/Tamarack.

SALE NOTE: This sale may require temporary bridge installation and extensive road work. In addition, this sale has some over mature stands with timber breaking up. Note that Payment Unit 6 is an optional unit and will be scaled at contract prices, if harvested. This sale has gone no bid before and is being rebid.

TIMBER SALE INFORMATION

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T44N, R29W, SEC. 23; T44N, R29W, SEC. 24.

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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		
Paper Birch	9.3 MBF	\$ 16.00 / MBF
Pulpwood		
Balsam Fir	83 Cords	\$ 3.15 / Cord
Mixed Aspen	331 Cords	\$ 6.00 / Cord
Mixed Hardwood	81 Cords	\$ 4.60 / Cord
Mixed Spruce	452 Cords	\$ 3.10 / Cord
Paper Birch	146 Cords	\$ 4.15 / Cord
Tamarack	133 Cords	\$ 1.00 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 12.64 percent. There are an estimated 1,246 cords on this timber sale, plus or minus 157 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 \$294.54 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	42.4%
02	7.3%
03	32.2%
04	12.1%
05	6.0%
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
98,401	1,246	12.64%	1,088	1,403

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
51	27,492	348	22.47%	270	426
52	12,087	153	40.69%	91	215
54	11,423	145	27.87%	104	185
57	42,470	538	20.84%	426	650
59	4,930	62	21.58%	49	76
TOTAL:	98,402	1,246		939	1,552

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
51	17.4	3	17.4
52	8.0	5	8.0
54	11.6	4	11.6
57	34.5	1	34.5
59	3.3	2	3.3
TOTAL:	74.8		74.8

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Balsam Fir Mixed Aspen <i>Balsam Poplar</i> <i>Quaking Aspen</i> Mixed Hardwood <i>Red Maple</i> Mixed Spruce <i>Black Spruce</i> <i>White Spruce</i> Paper Birch Tamarack	Pulpwood	35 170 17 153 10 10 273 260 13 3 46	Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords	34.5	\$2,081.00
2	Balsam Fir Mixed Aspen <i>Balsam Poplar</i> <i>Quaking Aspen</i>	Pulpwood	5 57 11 46	Cords Cords Cords Cords	3.3	\$357.75
3	Paper Birch Balsam Fir Mixed Aspen <i>B. T. Aspen</i> <i>Quaking Aspen</i> Mixed Hardwood <i>Black Cherry</i> <i>Red Maple</i> Mixed Spruce <i>Black Spruce</i> <i>White Spruce</i> Paper Birch	Sawtimber Pulpwood	9.3 26 60 4 56 69 1 68 49 9 40 125	MBF Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords	17.4	\$1,578.75
4	Balsam Fir Mixed Aspen <i>Quaking Aspen</i> Mixed Hardwood <i>Red Maple</i> Mixed Spruce <i>Black Spruce</i> <i>White Spruce</i> Paper Birch	Pulpwood	17 44 44 2 2 65 35 30 16	Cords Cords Cords Cords Cords Cords Cords Cords Cords	11.6	\$594.65
5	Mixed Spruce <i>Black Spruce</i> Paper Birch Tamarack	Pulpwood	65 65 2 87	Cords Cords Cords Cords	8.0	\$296.80
TOTAL:			9.3	MBF		
TOTAL:			1,226	Cords		

Sale Specific Conditions & Requirements

Sale Name: Tromp Swamp Mix

Sale Number: 12-005-21 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (1/14)

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.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 - 5, cut all trees that are two (2) inches or more at DBH, except do not cut cedar. In addition, within Payment Units 1 & 4, do not cut any pine. Also, within Payment Units 2 & 3, do not cut white pine.

2.1.11 - Description of timber note (2/04)

Note that Payment Unit 6 is an optional Payment Unit. If the Purchaser elects to harvest this optional Payment Unit, the Payment Unit will be scaled, and products will be paid for at contract prices. The cutting specifications for Payment Unit 6 will be to cut all trees that are two (2) or more inches at DBH, except cedar and any pine. A timber sale contract amendment must be signed by the Unit Manager and the Purchaser before harvesting operations begin.

3 - Payments

3.2 - Scaled Sales

3.2.1 - Scale location (2/04)

Forest products will be placed for measurement at a location approved by the Unit Manager or his/her representative when cutting Payment Unit 6.

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 Purchaser.

4.1.4 - Timber removed for construction (12/09)

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 the specified Purchase Unit Price.

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.

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. The Unit Manager or his/her representative must be contacted at least 10 days in advance to schedule the conference.

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

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1, unless changed by written agreement, cutting and skidding are limited to frozen ground conditions. This restriction is due to the saturated soils.

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 - 5, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because of saturated soils within or adjacent to the Payment Units.

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.

5.2.41 - Snowmobile trail protection (9/11)

The Big Wheel Road is a snowmobile trail and is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1. If the trail/road is to be used for hauling during the snowmobile season, then a snow-covered base must be left on the trail.

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.

5.4.3 - Erosion control (12/08)

Skid trails or haul roads may require erosion control structures or berms per direction of the Unit Manager or his/her representative.

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 the Big Wheel 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.

7 - Other Conditions

7.2 - Extensions

7.2.5 - Weather related extension (1/13)

If weather conditions during the operating period of this contract prevent harvesting, this sale may qualify for a weather related extension. If approved, the normal extension fee would be waived. To qualify, there must be a documented attempt each year to harvest in the difficult portion of the sale.

**TIMBER SALE MAP***This information provided by authority of Part 525, 1994 PA 451, as amended.*

Sale Number	Year
12-005	21

Forest Management Unit Crystal Falls	County Dickinson	Mapped By Jacob Siler	Date 12/21/2018	Page 1	of 1
Township 44N	Range 29W	Section(s) and Subdivision(s) S1/2NW,SENE,SW,N1/2SE,SWSE Sec 23, & SWNW,NWSW Sec24 & S1/2SE Sec22	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

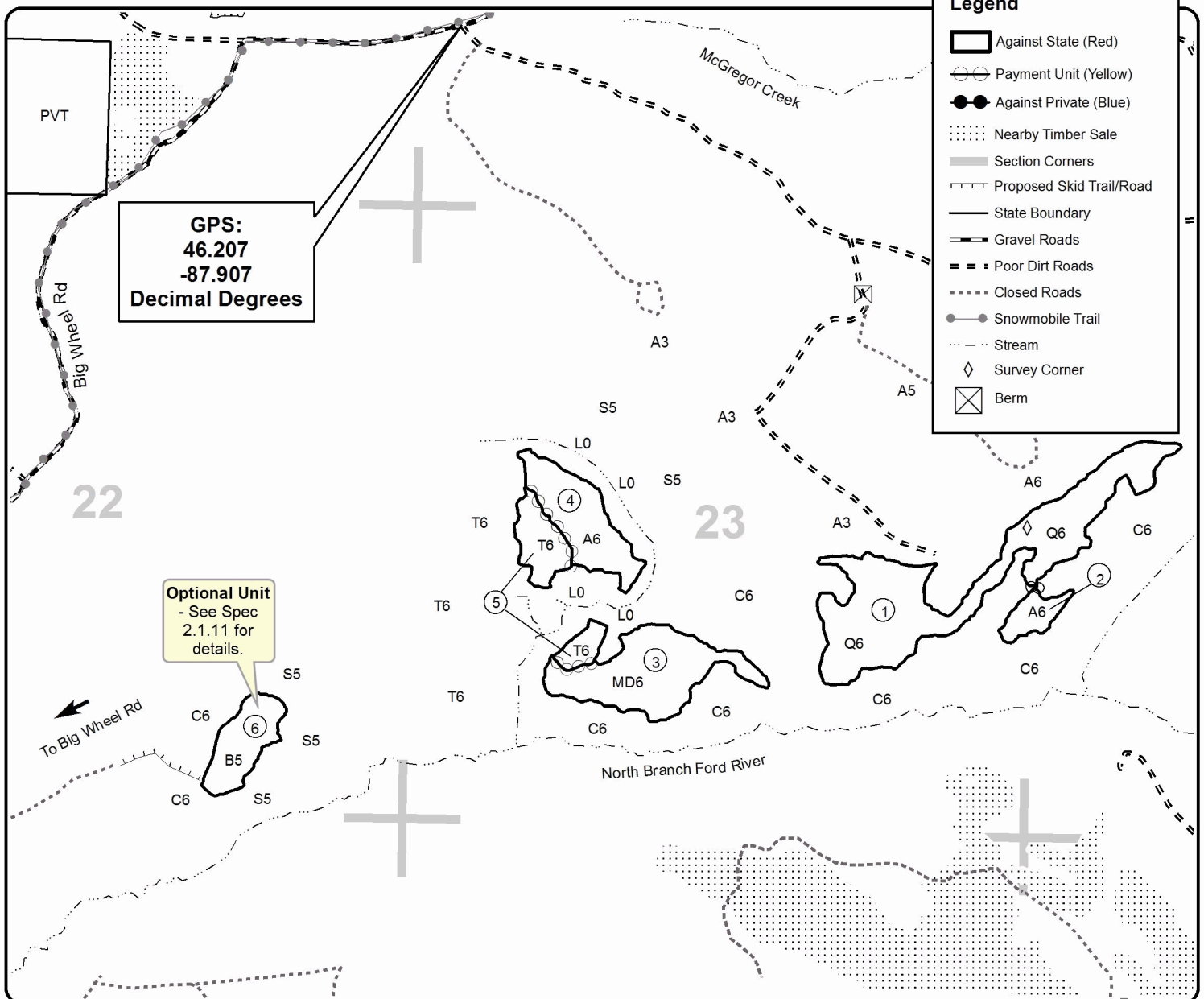
0 = Non Stocked	5 = Pole Timber Medium
1 = Seedling Sapling Poor	6 = Pole Timber Well
2 = Seedling Sapling Medium	7 = Saw Timber Poor
3 = Seedling Sapling Well	8 = Saw Timber Medium
4 = Pole Timber Poor	9 = Saw Timber Well

PU	Acres	PU	Acres
1:	34.5	4:	11.6
2:	3.3	5:	8.0
3:	17.4	6:	7.6 ← (Optional)

Tromp Swamp Mix

Compartment 10

74.8 Acres



0 0.125 0.25 0.5 0.75 1 Miles