



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6594

SCHEDULED SALE DATE AND TIME: **9:00 a.m. (local time) on August 14, 2020.**

LOCATION: **GRAYLING MGMT UNIT, 1955 HARTWICK PINES ROAD, GRAYLING, MI 49738.**

CONTACT NAME: Thomas Barnes

PHONE NUMBER: (989) 348-6371

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

Sassy Tanager Hardwood (72-016-19) / T28N, R04W, SEC. 29, NW,NE,NESW,SE.

T28N, R04W, SEC. 30, SENE,NESE.

Crawford County, Advertised Price \$121,266.70, 161.9 Acres, Aspen, Hardwood.

SALE NOTE: This sale contains oak wilt restrictions and has an extensive recreation trail interface.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity.
Certain restrictions/specifications may be applicable including time restrictions.

TIMBER SALE INFORMATION

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T28N, R04W, SEC. 29; T28N, R04W, SEC. 30.

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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.

Bids must be at or above the following advertised price for each species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>		<u>ADVERTISED PRICE</u>
Sawtimber			
B. T. Aspen	51.70	MBF	\$ 33.00 / MBF
Basswood	4.70	MBF	\$ 48.00 / MBF
Beech	78.30	MBF	\$ 45.00 / MBF
Paper Birch	3.00	MBF	\$ 26.00 / MBF
Red Maple	129.90	MBF	\$ 47.00 / MBF
Red Oak	145.00	MBF	\$ 153.00 / MBF
Red Pine	11.90	MBF	\$ 91.00 / MBF
Sugar Maple	103.90	MBF	\$ 123.00 / MBF
White Oak	4.00	MBF	\$ 48.00 / MBF
Pulpwood			
Mixed Aspen	268.00	Cords	\$ 15.65 / Cord
Mixed Hardwood	2,494.00	Cords	\$ 21.60 / Cord
Mixed Oak	636.00	Cords	\$ 15.55 / Cord
Red Pine	52.00	Cords	\$ 44.85 / Cord
White Pine	165.00	Cords	\$ 18.80 / Cord

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$6,063.34 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 09/30/2023.

Description of Timber by Payment Unit (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	2.8	MBF	24.4	\$19,013.70
	Basswood		1.4	MBF		
	Beech		21.7	MBF		
	Red Maple		29.5	MBF		
	Red Oak		1.1	MBF		
	Red Pine		3.5	MBF		
	Sugar Maple	Pulpwood	29.0	MBF		
	Mixed Aspen		15.0	Cords		
	Mixed Hardwood		529.0	Cords		
	Mixed Oak		10.0	Cords		
	Red Pine		13.0	Cords		
	White Pine		2.0	Cords		
2	B. T. Aspen	Sawtimber	3.8	MBF	32.7	\$25,523.90
	Basswood		1.8	MBF		
	Beech		29.2	MBF		
	Red Maple		39.5	MBF		
	Red Oak		1.5	MBF		
	Red Pine		4.6	MBF		
	Sugar Maple	Pulpwood	38.9	MBF		
	Mixed Aspen		20.0	Cords		
	Mixed Hardwood		709.0	Cords		
	Mixed Oak		14.0	Cords		
	Red Pine		18.0	Cords		
	White Pine		3.0	Cords		
3	B. T. Aspen	Sawtimber	3.1	MBF	27.0	\$21,067.65
	Basswood		1.5	MBF		
	Beech		24.0	MBF		
	Red Maple		32.7	MBF		
	Red Oak		1.3	MBF		
	Red Pine		3.8	MBF		
	Sugar Maple	Pulpwood	32.1	MBF		
	Mixed Aspen		17.0	Cords		
	Mixed Hardwood		585.0	Cords		
	Mixed Oak		11.0	Cords		
	Red Pine		15.0	Cords		
	White Pine		2.0	Cords		
4	B. T. Aspen	Sawtimber	12.6	MBF	7.4	\$6,918.90
	Red Maple		7.0	MBF		
	Red Oak		16.8	MBF		
	Sugar Maple	Pulpwood	2.0	MBF		
	White Oak		4.0	MBF		
	Mixed Aspen		25.0	Cords		
	Mixed Hardwood		92.0	Cords		
	Mixed Oak		47.0	Cords		
	White Pine		3.0	Cords		
5	B. T. Aspen	Sawtimber	9.8	MBF	19.2	\$10,881.05
	Beech		3.1	MBF		
	Paper Birch		2.8	MBF		
	Red Maple	Pulpwood	12.9	MBF		
	Red Oak		14.7	MBF		
	Sugar Maple		0.1	MBF		
	Mixed Aspen		81.0	Cords		
	Mixed Hardwood		198.0	Cords		
	Mixed Oak		78.0	Cords		
	Red Pine		6.0	Cords		

Description of Timber by Payment Unit (PU), con't

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	White Pine	Pulpwood	24.0	Cords		
6	B. T. Aspen	Sawtimber	4.5	MBF	20.3	\$14,524.55
	Beech		0.3	MBF		
	Paper Birch		0.2	MBF		
	Red Maple		4.9	MBF		
	Red Oak		48.6	MBF		
	Sugar Maple		1.0	MBF		
	Mixed Aspen	Pulpwood	26.0	Cords		
	Mixed Hardwood		107.0	Cords		
	Mixed Oak		221.0	Cords		
	White Pine		22.0	Cords		
7	B. T. Aspen	Sawtimber	3.8	MBF	17.3	\$12,665.55
	Red Maple		3.4	MBF		
	Red Oak		43.0	MBF		
	Sugar Maple		0.8	MBF		
	Mixed Aspen	Pulpwood	21.0	Cords		
	Mixed Hardwood		90.0	Cords		
	Mixed Oak		194.0	Cords		
	White Pine		22.0	Cords		
8	B. T. Aspen	Sawtimber	11.3	MBF	13.6	\$10,671.40
	Red Oak		18.0	MBF		
	Mixed Aspen	Pulpwood	63.0	Cords		
	Mixed Hardwood		184.0	Cords		
	Mixed Oak		61.0	Cords		
	White Pine		87.0	Cords		
TOTAL:			532.4	MBF		
TOTAL:			3,615.0	Cords		

Sale Specific Conditions & Requirements

Sale Name: Sassy Tanager Hardwood

Sale Number: 72-016-19 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 red and yellow paint, along with a snowmobile trail. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint, with the exception of the boundaries between Payment Units 5, 6, 7, and 8, which are unpainted and designated by the snowmobile trail (see Timber Sale Map). Retention patches are marked with red paint; no harvesting activities may occur within these areas. 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) 1-8, cut all trees that are two (2) inches or more at DBH, except within Payment Units 1, 2 and 3, do not cut trees marked with green paint. In addition, within Payment Units 6 and 7, do not cut any white oak. Also, within Payment Unit 8, do not cut red pine or white pine which are sixteen (16) inches or more at DBH.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

Payment Units 1, 2, 3 and 5, must be chip harvested to facilitate subsequent planting operations. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portions of trees must be chipped and hauled. If market conditions limit the practicality of chipping, tops and slash must be arranged in a way that will not inhibit future planting operations, as directed by the sale administrator. The producer may skid all remaining topwood out of these Payment Units and scatter in locations approved by the sale administrator. If the deadline is not met, damages will be collected and determined by the cost to complete this work. A chipping exemption may be obtained if proposed operations are determined to be suitable for planting by reforestation staff. This exemption must be granted in writing. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter is still applicable (G. C. & R. 2.2).

2.2.3 - Stump heights (4/07)

Stump heights within Payment Unit(s) 1, 2, 3 and 5 shall not exceed 6 inches for all trees. This is in order to facilitate planting operations.

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 Supplement. There will be only one division per Payment Unit.

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 oak tree seedlings and saplings.

Within Payment Units 6 and 7, if more than 25% of the oak tree seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the sale area are damaged, liquidated damages will be assessed at \$300 per acre for all acreage within that specified portion of the sale area that was damaged.

No damage is acceptable to undesignated live merchantable trees (trees > 4.5" DBH) throughout the sale. 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 chipped, utilized or dispersed into the sale area.

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 chipped, utilized or dispersed into the sale. 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. These roads must be rendered impassable to cars and trucks. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush must be placed along the remainder of the trail. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the sale administrator for details of design and placement.

4.1.11 - Permits (2/12)

The Purchaser will secure any necessary right-of-way access permits that may be required.

5 - Operations

5.1 - Notification

5.1.3 - Well heads and natural gas pipelines (11/15)

The Purchaser is responsible for contacting the gas or pipeline company prior to operating equipment in the vicinity of well heads or natural gas pipelines. Contact Dan Kobylinski with Breitburn at 989-370-1512.

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

5.2.3.5 - Oak wilt restriction (1/18)

Within all Payment Units, unless changed by written agreement, 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. Operations may be allowed if specific steps are taken to prevent damaging uncut oak during the high risk period. Those steps may include completing all road brushing before April 15th and clearing a tree-length buffer along uncut oak cover before April 15th. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

5.2.4 - Dead and Down Creation

5.2.4.4 - Dead and down creation, grouse (6/18)

To encourage grouse and other wildlife, in Payment Unit(s) 4, leave one, 12" diameter or larger log-length (8 foot minimum) piece on the ground for every 2 acres. These pieces may consist of un-merchantable portions of trees, which meet the aforementioned size specifications.

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 wind-rowed on the edge.

5.2.37 - No decking areas (12/08)

No decking is allowed within 50 feet of natural gas well heads without permission of the gas company.

5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.2.39 - ORV trail/route protection (4/18)

The Frederic Trail is an ATV trail or route and is shown on the Timber Sale Map. Do not cut trees or damage posts with ATV markers. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20 foot wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline. Do not run equipment down the ORV trail or route. Skidding across the trail or route may only occur in locations approved by the sale administrator.

5.2.41 - Snowmobile trail protection (9/11)

The LP79 is a snowmobile and ORV 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. The snowmobile trail may not be used for any timber sale operation from December 1 to March 31, without prior written approval of the Unit Manager. 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. The snowmobile trail may only be crossed at right angles. Maintain a 20 foot wide slash, debris and rut free zone daily using the snowmobile trail as the center-line. No decking of forest products will be permitted along the snowmobile trail. In addition, any trees cut within 5 feet of the trail must be cut flush at ground level.

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 are 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.

5.4.2 - Skid trails (2/04)

Skid trails up and down slopes should be avoided. If however this is unavoidable, these trails will be left in a non-erodible condition using water bars, logs, and slash. Placing of slash on these skid trails while logging is ongoing may alleviate need for any further action. At the direction of the sale administrator, seed, fertilizer, and mulch may also be required.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.3 - Recreational trail posting (2/10)

The Purchaser is responsible for posting and maintaining caution signs on LP 79 (snowmobile/ORV) and Frederic Trail (motorcycle) prior to beginning operations. The trail must be posted at appropriate distances from the sale area to warn of logging activity and truck traffic at both ends of the trail. Signs must be removed when harvest operations are suspended or completed. The Purchaser shall provide these signs.



TIMBER SALE MAP

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

Sale Number	Year
72 - 016	19

Forest Management Unit Grayling	County Crawford	Mapped By Derek Nellis	Date 08/26/2019	Page 1	of 1
Township 28N	Range 04W	Section(s) and Subdivision(s) Section 29: NW, NE, SE, NESW Section 30: SENE, NESE	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	PU	Acres
1	24.4	4	7.4	7	17.3
2	32.7	5	19.2	8	13.6
3	27.0	6	20.3		

Sassy Tanager Hardwoods

Compartment 173
161.9 Acres

Legend

- Field Grade Corners
- Natural Gas Well Site
- Payment Unit Label
- Secondary Forest Road
- Gravel Road
- County Road - Seasonal
- Pipeline
- Powerline
- Against State (Red)
- Payment Unit (Yellow)
- Section Corners
- Nearby Timber Sales
- Retention Area

Locator Map
1:200,000