



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6944

REVISION NOTICE #1 - November 9, 2021

SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on Tuesday, November 9, 2021

LOCATION: SE REGION-WILD, 3580 State Park Drive, Bay City, MI 48706

This prospectus has been modified with the following changes.

Verona Maple Mix (55-136-21) has been withdrawn from this prospectus. Silver maple is not showing up in our Online Bidding system, which is a bid item on this sale. This sale is being withdrawn and will be re-advertised when the database is fixed.

We apologize for any inconvenience this may have caused. If you need assistance, please contact Don Bonnette at 989-385-5616.



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SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on November 9, 2021.

LOCATION: SE REGION-WILD, 3580 STATE PARK DRIVE, BAY CITY, MI 48706.

CONTACT NAME: Don Bonnette

PHONE NUMBER: (989) 385-5616

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 Game Area Manager, CASS CITY FIELD OFFICE, for certain timber on the following described lands:

Ryan Ridges Mix (55-134-21) / T12N, R09E, SEC. 14, E1/2SW,W1/2SE.

T12N, R09E, SEC. 23, SENW,S1/2NE,SW,SE.

T12N, R09E, SEC. 24, NWSW,S1/2SW.

T12N, R09E, SEC. 26, NENW,N1/2NE.

Tuscola County, Advertised Price \$53,576.70, 124.4 Acres, Aspen, Hardwood.

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

Access may be through other public land.

TIMBER SALE INFORMATION

Ryan Ridges Mix (55-134-21)

T12N, R09E, SEC. 14; T12N, R09E, SEC. 23; T12N, R09E, SEC. 24; T12N, R09E, SEC. 26.

Tuscola County (Advertised Price \$53,576.70)

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

Access may be through other public land.

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		
Black Cherry	2.2 MBF	\$ 69.00 / MBF
Green Ash	3.7 MBF	\$ 26.00 / MBF
Mixed Aspen	564.4 MBF	\$ 28.00 / MBF
Paper Birch	3.9 MBF	\$ 27.00 / MBF
Red Maple	277.2 MBF	\$ 30.00 / MBF
Red Pine	108.8 MBF	\$ 39.00 / MBF
Sugar Maple	11.5 MBF	\$ 69.00 / MBF
Pulpwood		
Jack Pine	266 Cords	\$ 7.45 / Cord
Mixed Aspen	838 Cords	\$ 10.45 / Cord
Mixed Hardwood	1,099 Cords	\$ 8.80 / Cord
Red Pine	190 Cords	\$ 19.25 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 6.95 percent. There are an estimated 4,741 cords on this timber sale, plus or minus 330 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 \$2,678.84 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	22.7%
02	16.0%
03	17.3%
04	11.0%
05	13.9%
06	19.1%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2023.

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
374,506	4,741	6.95%	4,411	5,070

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
5	42,007	532	21.91%	415	648
11	36,293	459	20.45%	365	553
17	59,181	749	10.80%	668	830
43	33,916	429	33.45%	286	573
63	53,053	672	16.42%	561	782
137	14,303	181	27.68%	131	231
142	11,050	140	39.74%	84	195
146	21,608	274	23.40%	210	338
147	12,934	164	5.25%	155	172
148	19,045	241	31.62%	165	317
150	14,472	183	43.56%	103	263
151	24,714	313	27.22%	228	398
TOTAL:	342,575	4,336		3,372	5,301

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
5	12.3	1	12.3
11	13.1	1	13.1
17	19.9	2	19.9
43	13.3	3	13.3
63	15.1	6	15.1
137	5.3	5	5.3
142	4.8	6	4.8
146	10.0	5	10.0
147	5.4	5	5.4
148	8.8	4	8.8
150	5.6	4	5.6
151	10.8	3	10.8
TOTAL:	124.4		124.4

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Mixed Aspen	Sawtimber	173.6	MBF	25.4	\$12,178.35
	<i>B. T. Aspen</i>		173.6	<i>MBF</i>		
	Red Maple	Pulpwood	82.6	MBF		
	Sugar Maple		7.0	MBF		
	Mixed Aspen		171	Cords		
	<i>B. T. Aspen</i>		171	<i>Cords</i>		
	Mixed Hardwood		292	Cords		
	<i>Paper Birch</i>		22	<i>Cords</i>		
	<i>Red Maple</i>		266	<i>Cords</i>		
	<i>Sugar Maple</i>		4	<i>Cords</i>		
2	Mixed Aspen	Sawtimber	83.8	MBF	19.9	\$8,566.80
	<i>B. T. Aspen</i>		83.8	<i>MBF</i>		
	Red Maple	Pulpwood	66.4	MBF		
	Mixed Aspen		168	Cords		
	<i>B. T. Aspen</i>		168	<i>Cords</i>		
	Mixed Hardwood		281	Cords		
	<i>Paper Birch</i>		12	<i>Cords</i>		
	<i>Red Maple</i>		269	<i>Cords</i>		
3	Mixed Aspen	Sawtimber	74.7	MBF	24.1	\$9,270.55
	<i>B. T. Aspen</i>		63.2	<i>MBF</i>		
	<i>Quaking Aspen</i>	Pulpwood	11.5	<i>MBF</i>		
	Red Pine		39.8	MBF		
	Jack Pine		186	Cords		
	Mixed Aspen		62	Cords		
	<i>B. T. Aspen</i>		43	<i>Cords</i>		
	<i>Quaking Aspen</i>		19	<i>Cords</i>		
	Mixed Hardwood		148	Cords		
	<i>Black Cherry</i>		27	<i>Cords</i>		
	<i>Paper Birch</i>		28	<i>Cords</i>		
	<i>Red Maple</i>		93	<i>Cords</i>		
	Red Pine		119	Cords		
4	Paper Birch	Sawtimber	3.9	MBF	14.4	\$5,894.25
	Red Pine		69.0	MBF		
	Jack Pine	Pulpwood	80	Cords		
	Mixed Hardwood		129	Cords		
	<i>Black Cherry</i>		18	<i>Cords</i>		
	<i>Paper Birch</i>		5	<i>Cords</i>		
	<i>Red Maple</i>		106	<i>Cords</i>		
	Red Pine		71	Cords		
5	Black Cherry	Sawtimber	2.2	MBF	20.7	\$7,457.85
	Green Ash		3.7	MBF		
	Mixed Aspen	Pulpwood	88.2	MBF		
	<i>B. T. Aspen</i>		32.4	<i>MBF</i>		
	<i>Quaking Aspen</i>		55.8	<i>MBF</i>		
	Red Maple		54.7	MBF		
	Mixed Aspen		177	Cords		
	<i>B. T. Aspen</i>		96	<i>Cords</i>		
	<i>Quaking Aspen</i>		81	<i>Cords</i>		
	Mixed Hardwood		142	Cords		
	<i>Black Cherry</i>		9	<i>Cords</i>		
	<i>Green Ash</i>		4	<i>Cords</i>		
	<i>Paper Birch</i>		8	<i>Cords</i>		
	<i>Red Maple</i>		121	<i>Cords</i>		
6	Mixed Aspen	Sawtimber	144.1	MBF	19.9	\$10,208.90
	<i>B. T. Aspen</i>		144.1	<i>MBF</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
6 con't	Red Maple	Sawtimber	73.5	MBF		
	Sugar Maple		4.5	MBF		
	Mixed Aspen	Pulpwood	260	Cords		
	<i>B. T. Aspen</i>		260	<i>Cords</i>		
	Mixed Hardwood		107	Cords		
	<i>Red Maple</i>		100	<i>Cords</i>		
	<i>Sugar Maple</i>		7	<i>Cords</i>		
TOTAL:			971.7	MBF		
TOTAL:			2,393	Cords		

Sale Specific Conditions & Requirements

Sale Name: Ryan Ridges Mix

Sale Number: 55-134-21 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 paint. The painted boundary line trees are not Included Timber and are to be protected.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1-6, cut all red pine marked with orange or yellow paint and all other trees that are two (2) inches or more at DBH, except oak, hickory, white pine, white spruce, un-marked red pine, apple, cedar, hemlock, and trees marked with green paint. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 6 inches for all trees.

2.2.4 - Skidding length (2/14)

Skidding of unlimbed tops is not permissible.

2.2.10 - No chipping tops and limbs (8/16)

Within Payment Unit(s) 1-6, chipping of the bole, 2-inches in diameter or greater, is allowed. Chipping of limbs or portions of the tree less than 2-inches in diameter is not permitted. Limbs and the remaining top must be left on site and scattered.

3 - Payments

3.4 - Damaged Timber

3.4.2 - Special Protection Trees (4/14)

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are oak, hickory, white pine, un-marked red pine, apple, cedar, hemlock, and trees marked with green paint. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$200 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated timber.

3.6 - Payment Unit Cutting Schedule

3.6.2 - One active unit (12/08)

Each Payment Unit must be completed to the satisfaction of the Unit Manager or his/her representative before the next unit may be opened. The Purchaser must give a one week notice before finishing a Payment Unit to allow for inspection.

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.

4.1.11 - Permits (2/12)

The Purchaser will secure any necessary road or highway permits that may be required.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Unit. All operations are limited to existing roads. Skid trails only will be allowed.

4.2 - Maintenance

4.2.3 - Road maintenance (8/13)

The following road maintenance is required: Within 30 days of completion of hauling, or if no hauling occurs for 30 days, the road must be maintained and graded. This includes cleaning of drainage areas, grading, crowning, and filling with gravel, if necessary. Damages will be assessed if grading/repair does not occur.

4.2.4 - Grading (10/16)

For completion of the sale, access roads and skid trails must be graded. In general, this will require a road grader or bulldozer to shape up the roads and skid trails 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.

4.4 - Access

4.4.3 - Access gate (12/08)

Any access gate used to access any Payment Unit must be locked at the completion of each day unless otherwise approved by the Unit Manager or his/her representative.

4.4.4 - Restricted access (10/05)

Access for Payment Unit 1 will be through the Tuscola County Road Commission equipment storage yard on the east side of M24. Contact sale administrator for details at least 10 days prior to the start of operations to arrange for access. In all Payment Units, any vehicle barriers (gates, guard rail, berms, posts etc.) removed during operations shall be replaced in their original location and in their original condition. Any damage to gates, guard rail or vehicle barriers is the responsibility of the Purchaser.

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

5.1.6 - Utility R.O.W. (4/19)

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line R.O.W. for operations. Contact Thumb Electric Cooperative at (800) 327-0166 or email tec@tecmi.coop.

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.

5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in any wildlife opening which is indicated by G0 or U0 on the Timber Sale Map. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

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. All standing dead trees (snags) shall be left standing unless they pose a safety hazard.

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 4 and 5, cutting, skidding, and hauling are restricted to dry or frozen ground conditions only. This restriction is due to poorly drained soils within these Payment Units.

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.

5.2.3.12 - Hunting operating restriction (1/18)

No Payment Unit may be started during the period of September 25 - October 10 or November 1 - November 30 without permission of the Unit Manager or his/her representative.

5.2.31 - Landing locations (9/13)

Landing area locations will be determined in the pre-sale conference. Landings must be confined to these designated sites unless otherwise authorized by the Unit Manager or his/her representative. In general, landings are limited to a "T" turnaround which will accommodate a truck with a 50-foot trailer.

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.

5.2.37 - No decking areas (12/08)

No decking is allowed in any designated parking area. No equipment storage is allowed in any designated parking area.

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, skid trails or within the Sale Area 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.

5.7 - Protection of Historical Sites

5.7.2 - Potential historical site(s) (9/06)

The State Historic Preservation Office has identified the potential for a historic site within the boundary of this timber sale. Note that if the site is discovered during operations, General Condition and Requirement 5.7 - Protection of Historical Sites will apply.

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.

7 - Other Conditions

7.10 - Certified Timber

7.10.1 - Non-certified timber (2/16)

The area encompassed by this timber sale is not certified to the standards of the Forest Stewardship Council (FSC) or the Sustainable Forestry Initiative (SFI). Forest products from this sale may not be delivered to the mill as "FSC and / or SFI certified". The lands within this sale are managed as a State Game Area.

99 - Unique

SKIP

99.1 - Unique Sale Condition (5/19)

Per Indianfields Township ordinance, no operating feller bunchers in any Payment Unit before 7 AM and after 9 PM daily. This is required due to the close proximity of residences to the Sale Area.

55-134-21

2021 |

TIMBER SALE MAP

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

Forest Management Unit		County	Mapped By	Bonnette	Date	Page	of
Tuscola State Game Area		Tuscola	Cruised By	Bonnette	08/26/2021	1	1
Township	Range	Section(s) and Subdivision(s)			Scale		
12N	09E	Sec. 14 E1/2SW,W1/2SE; Sec. 23 SENW,S1/2NE,SW,SE; Sec. 24 NWSW,S1/2SW; Sec. 26 NENW,N1/2NE			1:17,840		

Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hdwoods	M = Mpl. Bch, Brch	R = Red Pine	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water		
G = Grass	MD = Mixed Deciduous	T = Tamarack			

PU	Acres	PU	Acres
1	25.4	4	14.4
2	19.9	5	20.7
3	24.1	6	19.9

Ryan Ridges Mix

124.4 Acres

