



**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Verona Maple Mix (55-136-21) has been withdrawn from this prospectus.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 This sale is being withdrawn and will be re-advertised when the database is fixed.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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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:

7 Block Mix (55-132-21) / T13N, R10E, SEC. 11, S1/2SE.

T13N, R10E, SEC. 14, NW, N1/2NE, W1/2SW, E1/2SE.

T13N, R10E, SEC. 23, NWNW.

Tuscola County, Advertised Price \$33,456.50, 81.6 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

7 Block Mix (55-132-21)

T13N, R10E, SEC. 11; T13N, R10E, SEC. 14; T13N, R10E, SEC. 23.
Tuscola County (Advertised Price \$33,456.50)

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		
American Elm	8.3 MBF	\$ 28.00 / MBF
Black Cherry	21.0 MBF	\$ 69.00 / MBF
Jack Pine	2.2 MBF	\$ 25.00 / MBF
Mixed Aspen	349.4 MBF	\$ 28.00 / MBF
Paper Birch	0.9 MBF	\$ 26.00 / MBF
Red Maple	73.5 MBF	\$ 30.00 / MBF
Red Pine	48.5 MBF	\$ 37.00 / MBF
Sugar Maple	7.1 MBF	\$ 69.00 / MBF
White Ash	10.1 MBF	\$ 28.00 / MBF
Pulpwood		
Jack Pine	4 Cords	\$ 7.70 / Cord
Mixed Aspen	673 Cords	\$ 10.45 / Cord
Mixed Hardwood	1,058 Cords	\$ 8.80 / Cord
Red Pine	45 Cords	\$ 17.05 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 6.07 percent. There are an estimated 2,910 cords on this timber sale, plus or minus 177 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 \$1,672.83 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	18.6%
02	23.0%
03	31.4%
04	27.0%

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
229,897	2,910	6.07%	2,733	3,087

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
26	3,010	38	23.57%	29	47
29	3,145	40	9.12%	36	43
30	14,167	179	32.27%	121	237
32	63,765	807	10.80%	720	894
38	44,295	561	16.46%	468	653
73	23,788	301	13.05%	262	340
101	23,721	300	17.45%	248	353
120	27,640	350	16.52%	292	408
546	19,082	242	14.91%	206	278
TOTAL:	222,613	2,818		2,382	3,253

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
26	1.5	1	1.5
29	1.2	3	1.2
30	8.6	1	8.6
32	22.0	4	22.0
38	13.2	2	13.2
73	6.1	1	6.1
101	9.7	3	9.7
120	10.8	3	10.8
546	8.5	3	8.5
TOTAL:	81.6		81.6

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	American Elm	Sawtimber	3.8	MBF	16.2	\$6,219.65
	Black Cherry		1.3	MBF		
	Jack Pine		2.2	MBF		
	Mixed Aspen		95.5	MBF		
	<i>B. T. Aspen</i>		95.5	<i>MBF</i>		
	Red Maple	Pulpwood	15.9	MBF		
	Red Pine		6.3	MBF		
	Jack Pine		4	Cords		
	Mixed Aspen		89	Cords		
	<i>B. T. Aspen</i>		63	<i>Cords</i>		
	<i>Quaking Aspen</i>		26	<i>Cords</i>		
	Mixed Hardwood		169	Cords		
	<i>American Elm</i>		13	<i>Cords</i>		
	<i>Black Cherry</i>		12	<i>Cords</i>		
	<i>Green Ash</i>		6	<i>Cords</i>		
	<i>Paper Birch</i>		22	<i>Cords</i>		
	<i>Pin Cherry</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		109	<i>Cords</i>		
	<i>Sugar Maple</i>		4	<i>Cords</i>		
	Red Pine		8	Cords		
2	Mixed Aspen	Sawtimber	90.9	MBF	13.2	\$7,691.65
	<i>B. T. Aspen</i>		90.9	<i>MBF</i>		
	Red Maple	Pulpwood	12.9	MBF		
	Red Pine		33.5	MBF		
	Sugar Maple		7.1	MBF		
	White Ash		10.1	MBF		
	Mixed Aspen		166	Cords		
	<i>B. T. Aspen</i>		166	<i>Cords</i>		
	Mixed Hardwood		55	Cords		
	<i>Red Maple</i>		8	<i>Cords</i>		
	<i>Sugar Maple</i>		24	<i>Cords</i>		
	<i>White Ash</i>		23	<i>Cords</i>		
	Red Pine		31	Cords		
3	American Elm	Sawtimber	4.5	MBF	30.2	\$10,527.70
	Black Cherry		6.1	MBF		
	Mixed Aspen		86.3	MBF		
	<i>B. T. Aspen</i>		47.8	<i>MBF</i>		
	<i>Cottonwood</i>		10.0	<i>MBF</i>		
	<i>Quaking Aspen</i>	Pulpwood	28.5	<i>MBF</i>		
	Red Maple		44.7	MBF		
	Red Pine		8.7	MBF		
	Mixed Aspen		176	Cords		
	<i>B. T. Aspen</i>		23	<i>Cords</i>		
	<i>Cottonwood</i>		4	<i>Cords</i>		
	<i>Quaking Aspen</i>		149	<i>Cords</i>		
	Mixed Hardwood		450	Cords		
	<i>American Elm</i>		21	<i>Cords</i>		
	<i>Black Cherry</i>		12	<i>Cords</i>		
	<i>Paper Birch</i>		26	<i>Cords</i>		
	<i>Red Maple</i>		391	<i>Cords</i>		
	Red Pine		6	Cords		
4	Black Cherry	Sawtimber	13.6	MBF	22.0	\$9,017.50
	Mixed Aspen		76.7	MBF		
	<i>Cottonwood</i>		6.1	<i>MBF</i>		
	<i>Quaking Aspen</i>		70.6	<i>MBF</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4 con't	Paper Birch	Sawtimber	0.9	MBF		
	Mixed Aspen	Pulpwood	242	Cords		
	<i>Cottonwood</i>		2	<i>Cords</i>		
	<i>Quaking Aspen</i>		240	<i>Cords</i>		
	Mixed Hardwood		384	Cords		
	<i>Black Cherry</i>		28	<i>Cords</i>		
	<i>Green Ash</i>		28	<i>Cords</i>		
	<i>Paper Birch</i>		20	<i>Cords</i>		
	<i>Red Maple</i>		308	<i>Cords</i>		
TOTAL:			521.0	MBF		
TOTAL:			1,780	Cords		

Sale Specific Conditions & Requirements

Sale Name: 7 Block Mix

Sale Number: 55-132-21 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale 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) 1-4, cut all trees that are two (2) inches or more at DBH, except oak, hemlock, cedar, hickory, apple, and trees marked with green paint. In addition, within Payment Units 1 and 3, cut all red pine marked with orange 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) 1-4, 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 un-marked red pine within Payment Units 1 and 3 and oak, hickory, apple, and green marked trees in all Payment Units. 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.

4.1.12 - 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

4.2.4 - Grading (10/16)

For completion of the sale, skid trails and designated parking areas used to access any Payment Unit must be graded. In general, this will require a road grader or bulldozer to shape up skid trails and parking areas 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

4.4.4 - Restricted access (10/05)

Any vehicle barriers (gates, guard rail, berms etc.) removed during the course of 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.

5.2 - 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 maintained 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 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) 3 and 4 cutting, skidding, and hauling are limited to dry or frozen ground conditions. This restriction is due to poor soil drainage 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 1 or November 1 - November 30 without permission of the Unit Manager or his/her representative.

5.2.31 - Landing locations (9/13)

The location of landings 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. Additionally, 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 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.

5.4.6 - Wet area protection (5/10)

No harvesting operations, including skidding and felling, are to take place within the vernal pond areas or drainages. When harvesting occurs, there should be no disturbance to the vernal pond depression. All equipment, trees, and tops should be kept out of this area. Within 100 feet of the pond, equipment should only be used when the soil is in a dry or frozen condition. Care must be taken by the Purchaser to identify and avoid operating in these areas of the timber sale.

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)

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.

**TIMBER SALE MAP**

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

Sale Number	Year
55-132-21	2021

Forest Management Unit	County	Mapped By	Date	Page	of
Deford State Game Area	Tuscola	Bonnette	02/22/2021	1	1
Township	Range	Section(s) and Subdivision(s)	Scale		
13N	10E	Sec. 11 S1/2SE; Sec. 14 NW,N1/2NE, W1/2SW,E1/2SE; Sec. 23 NWNW	1:15,840		

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	16.2	4	22.0
2	13.2		
3	30.2		

7 Block Mix**81.6 Acres**