

DEPARTMENT OF NATURAL RESOURCES STATE OF MICHIGAN

TIMBER SALE PROSPECTUS #6944

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

 <u>Verona Maple Mix</u> (55-136-21) / T15N, R14E, SEC. 4 , NW,W1/2NE. T15N, R14E, SEC. 5 , NENE. T16N, R14E, SEC. 28, NESW,W1/2SE.
Huron County, Advertised Price \$33,330.55, 121.9 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

Verona Maple Mix (55-136-21) T15N, R14E, SEC. 4; T15N, R14E, SEC. 5; T16N, R14E, SEC. 28. Huron County (Advertised Price \$33,330.55)

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:

PRODUCTS & SPECIES	ESTIMATED UNITS*		ADVE	ADVERTISED PRICE	
Sawtimber					
American Elm	31.2	MBF	\$	26.00 / MBF	
Basswood	3.4	MBF	\$	29.00 / MBF	
Green Ash	14.9	MBF	\$	25.00 / MBF	
Mixed Aspen	105.1	MBF	\$	26.00 / MBF	
Paper Birch	22.8	MBF	\$	26.00 / MBF	
Silver Maple	560.6	MBF	\$	27.00 / MBF	
Pulpwood					
Mixed Aspen	193	Cords	\$	8.25 / Cord	
Mixed Hardwood	264	Cords	\$	8.80 / Cord	
Silver Maple	1,256	Cords	\$	7.70 / Cord	

* The total volume is statistically estimated within plus (+) or minus (-) 7.38 percent. There are an estimated 3,339 cords on this timber sale, plus or minus 247 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 \$1,666.53 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 10.9%	
02 12.7%	
03 6.1%	
04 25.3%	
05 23.3%	
06 21.7%	

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		
263,767	3,339	7.38%	3,092	3,585	

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
297	59,064	748	10.84%	667	829
369	176,887	2,239	9.15%	2,034	2,444
411	16,073	203	43.22%	116	291
TOTAL:	252,023	3,190		2,816	3,564

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
297	37.3	1	17.2
		2	20.1
369	73.9	4	26.6
		5	24.5
		6	22.8
411	10.7	3	10.7
TOTAL:	121.9		121.9

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	American Elm	Sawtimber	6.1	MBF	17.2	\$3,641.25
	Basswood		1.6	MBF		
	Mixed Aspen		45.5	MBF		
	Cottonwood		31.4	MBF		
	Quaking Aspen		14.1	MBF		
	Paper Birch		10.5	MBF		
	Silver Maple		14.9	MBF		
	Mixed Aspen	Pulpwood	61	Cords		
	Balsam Poplar		3	Cords		
	Cottonwood		16	Cords		
	Quaking Aspen		42	Cords		
	Mixed Hardwood		88	Cords		
	American Elm		35	Cords		
	Basswood		1	Cords		
	Black Cherry		7	Cords		
	Green Ash		31	Cords		
	Paper Birch		12	Cords		
	Red Maple		2	Cords		
	Silver Maple		39	Cords		
2	American Elm	Sawtimber	7.3	MBF	20.1	\$4,228.70
	Basswood		1.8	MBF		
	Mixed Aspen		53.2	MBF		
	Cottonwood		36.8	MBF		
	Quaking Aspen		16.4	MBF		
	Paper Birch		12.3	MBF		
	Silver Maple		17.4	MBF		
	Mixed Aspen	Pulpwood	68	Cords		
	Balsam Poplar	•	3	Cords		
	Cottonwood		18	Cords		
	Quaking Aspen		47	Cords		
	Mixed Hardwood		103	Cords		
	American Elm		39	Cords		
	Basswood		2	Cords		
	Black Cherry		9	Cords		
	Green Ash		36	Cords		
	Paper Birch		14	Cords		
	Red Maple		3	Cords		
	Silver Maple		45	Cords		
3	Silver Maple	Sawtimber	39.0	MBF	10.7	\$2,029.80
	Mixed Hardwood	Pulpwood	6	Cords	.0.7	φ2,020.00
	American Elm		6	Cords		
	Silver Maple		120	Cords		
4	American Elm	Sawtimber	6.4	MBF	26.6	\$8,427.45
	Green Ash	Gawumber	5.4	MBF	20.0	φ0,427.45
	Mixed Aspen		2.3	MBF		
	Cottonwood		2.3	MBF		
	Silver Maple		2.3 176.1	MBF		
		Pulpwood	23			
	Mixed Aspen	Pulpwood	23	Cords		
	Cottonwood		-	Cords		
	Quaking Aspen		22	Cords		
	Mixed Hardwood		24	Cords		
	American Elm		14	Cords		
	Box Elder		5	Cords		
	Green Ash		5	Cords		
	Silver Maple		378	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5	American Elm	Sawtimber	5.9	MBF	24.5	\$7,772.85
	Green Ash		4.9	MBF		
	Mixed Aspen		2.1	MBF		
	Cottonwood		2.1	MBF		
	Silver Maple		162.2	MBF		
	Mixed Aspen	Pulpwood	21	Cords		
	Cottonwood		1	Cords		
	Quaking Aspen		20	Cords		
	Mixed Hardwood		23	Cords		
	American Elm		13	Cords		
	Box Elder		5	Cords		
	Green Ash		5	Cords		
	Silver Maple		349	Cords		
6	American Elm	Sawtimber	5.5	MBF	22.8	\$7,230.50
	Green Ash		4.6	MBF		
	Mixed Aspen		2.0	MBF		
	Cottonwood		2.0	MBF		
	Silver Maple		151.0	MBF		
	Mixed Aspen	Pulpwood	20	Cords		
	Cottonwood		1	Cords		
	Quaking Aspen		19	Cords		
	Mixed Hardwood		20	Cords		
	American Elm		12	Cords		
	Box Elder		4	Cords		
	Green Ash		4	Cords		
	Silver Maple		325	Cords		
		TOTAL:	738.0	MBF		
		TOTAL:	1,713	Cords		

Sale Specific Conditions & Requirements

Sale Name: Verona Maple Mix

Sale Number: 55-136-21 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, 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. 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 and 2, cut all trees that are two (2) inches or more at DBH, except apple, white pine, cedar, and trees marked with green paint. Within Payment Units 3-6, cut all maple and elm greater than 4 inches at DBH and less than 18 inches at DBH and all other trees that are four (4) inches or more at DBH, except apple 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 maple and elm greater than or equal to 18 inches at DBH, apple 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

3.6.1 - Order of cutting (1/09)

Payment Units shall be cut in numerical order unless weather and ground conditions suggest otherwise.

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 temporary driveway permits that may be required.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Unit. Skid trails only will be allowed.

4.2 - Maintenance

4.2.4 - Grading (10/16)

For completion of the sale, skid trails must be graded. In general, this will require a bulldozer to shape up the 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.

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 farmed field or 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) 1-6 cutting, skidding, and hauling are not permitted during the period of March 15 to July 15 and is limited to dry or frozen ground conditions at any other time. The sale administrator will determine what constitutes dry or frozen ground conditions. This restriction is due to poorly drained soils throughout the Sale Area.

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)

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 from landing and loading areas and scattered within the sale boundaries 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 the Sale Area, 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.

5.4.5 - Soil caution (11/04)

Care must be taken to minimize soil damage due to poor soil drainage throughout the sale. Care must also be taken when operating around designated leave trees to minimize damage to shallow roots.

5.4.6 - Wet area protection (5/10)

No harvesting operations, including skidding and felling, are to take place within any 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

7.2 - 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.

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.



