



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7021**

SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on June 23, 2022.

LOCATION: NEWBERRY MGMT UNIT, 5666 S STATE HWY M 123, NEWBERRY, MI 49868.

CONTACT NAME: Keith Magnusson

PHONE NUMBER: (906) 291-0120

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

Slow Roll Hardwoods (42-032-21) / T45N, R07W, SEC. 14, E1/2NW,NE,N1/2SW,N1/2SE,SWSE.
Chippewa County, Advertised Price \$64,189.35, 171.4 Acres, Hardwood, Sugar Maple.

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

Roads may require the installation of equalization culverts for cross drainage or at natural drainage-ways. See Sale Spec 4.1.5 for additional information.

Harvesting is limited to the period of October 1 to April 1 because of wintering deer and providing forage.

TIMBER SALE INFORMATION

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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 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			
Red Maple	89.2	MBF	\$ 89.00 / MBF
Sugar Maple	100.6	MBF	\$ 175.00 / MBF
Pulpwood			
Balsam Fir	63	Cords	\$ 8.65 / Cord
Balsam Poplar	12	Cords	\$ 25.70 / Cord
Mixed Hardwood	106	Cords	\$ 8.95 / Cord
N. White Cedar	9	Cords	\$ 3.30 / Cord
Quaking Aspen	630	Cords	\$ 25.70 / Cord
Red Maple	1,234	Cords	\$ 8.95 / Cord
Sugar Maple	1,030	Cords	\$ 8.95 / Cord
White Spruce	30	Cords	\$ 12.00 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 5.34 percent. There are an estimated 3,512 cords on this timber sale, plus or minus 188 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 \$3,209.47 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	13.4%
02	17.7%
03	13.5%
04	3.9%
05	2.8%
06	13.7%
07	15.4%
08	19.6%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2026.

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
277,468	3,512	5.34%	3,324	3,700

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
70	63,332	802	9.82%	723	880
72	44,208	560	10.02%	504	616
75	169,929	2,151	7.49%	1,990	2,312
TOTAL:	277,468	3,512		3,216	3,808

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
70	47.9	6	22.5
		7	25.4
72	18.3	8	18.3
75	105.2	1	27.5
		2	36.3
		3	27.7
		4	7.9
		5	5.8
TOTAL:	171.4		171.4

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	23.3	MBF	27.5	\$8,585.45
	Sugar Maple		5.0	MBF		
	Balsam Fir	Pulpwood	16	Cords		
	Mixed Hardwood		13	Cords		
	<i>Yellow Birch</i>	<i>Sawtimber</i>	<i>0.2</i>	<i>MBF</i>		
	<i>Beech</i>	<i>Pulpwood</i>	<i>3</i>	<i>Cords</i>		
	<i>Paper Birch</i>		<i>5</i>	<i>Cords</i>		
	<i>Yellow Birch</i>		<i>5</i>	<i>Cords</i>		
	N. White Cedar		2	Cords		
	Quaking Aspen		71	Cords		
	Red Maple		313	Cords		
	Sugar Maple		73	Cords		
	White Spruce		8	Cords		
2	Red Maple	Sawtimber	30.8	MBF	36.3	\$11,361.10
	Sugar Maple		6.6	MBF		
	Balsam Fir	Pulpwood	22	Cords		
	Mixed Hardwood		17	Cords		
	<i>Yellow Birch</i>	<i>Sawtimber</i>	<i>0.3</i>	<i>MBF</i>		
	<i>Beech</i>	<i>Pulpwood</i>	<i>3</i>	<i>Cords</i>		
	<i>Paper Birch</i>		<i>7</i>	<i>Cords</i>		
	<i>Yellow Birch</i>		<i>6</i>	<i>Cords</i>		
	N. White Cedar		4	Cords		
	Quaking Aspen		94	Cords		
	Red Maple		414	Cords		
	Sugar Maple		97	Cords		
	White Spruce		10	Cords		
3	Red Maple	Sawtimber	23.5	MBF	27.7	\$8,664.45
	Sugar Maple		5.0	MBF		
	Balsam Fir	Pulpwood	17	Cords		
	Mixed Hardwood		13	Cords		
	<i>Yellow Birch</i>	<i>Sawtimber</i>	<i>0.2</i>	<i>MBF</i>		
	<i>Beech</i>	<i>Pulpwood</i>	<i>3</i>	<i>Cords</i>		
	<i>Paper Birch</i>		<i>5</i>	<i>Cords</i>		
	<i>Yellow Birch</i>		<i>5</i>	<i>Cords</i>		
	N. White Cedar		2	Cords		
	Quaking Aspen		72	Cords		
	Red Maple		315	Cords		
	Sugar Maple		74	Cords		
	White Spruce		8	Cords		
4	Red Maple	Sawtimber	6.7	MBF	7.9	\$2,480.80
	Sugar Maple		1.4	MBF		
	Balsam Fir	Pulpwood	5	Cords		
	Mixed Hardwood		4	Cords		
	<i>Yellow Birch</i>	<i>Sawtimber</i>	<i>0.1</i>	<i>MBF</i>		
	<i>Beech</i>	<i>Pulpwood</i>	<i>1</i>	<i>Cords</i>		
	<i>Paper Birch</i>		<i>2</i>	<i>Cords</i>		
	<i>Yellow Birch</i>		<i>1</i>	<i>Cords</i>		
	N. White Cedar		1	Cords		
	Quaking Aspen		21	Cords		
	Red Maple		90	Cords		
	Sugar Maple		21	Cords		
	White Spruce		2	Cords		
5	Red Maple	Sawtimber	4.9	MBF	5.8	\$1,815.85
	Sugar Maple		1.1	MBF		
	Balsam Fir	Pulpwood	3	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE	
5 con't	Mixed Hardwood	Pulpwood	3	Cords			
	Beech		1	Cords			
	Paper Birch		1	Cords			
	Yellow Birch		1	Cords			
	Quaking Aspen		15	Cords			
	Red Maple		66	Cords			
	Sugar Maple		15	Cords			
	White Spruce		2	Cords			
6	Sugar Maple	Sawtimber	35.4	MBF	22.5	\$8,790.50	
	Mixed Hardwood	Pulpwood	8	Cords			
	Beech		5	Cords			
	Ironwood		3	Cords			
	Red Maple		9	Cords			
	Sugar Maple		273	Cords			
7	Sugar Maple	Sawtimber	39.9	MBF	25.4	\$9,900.20	
	Mixed Hardwood	Pulpwood	7	Cords			
	Beech		4	Cords			
	Ironwood		3	Cords			
	Red Maple		11	Cords			
	Sugar Maple		308	Cords			
8	Sugar Maple	Sawtimber	6.2	MBF	18.3	\$12,582.05	
	Balsam Poplar	Pulpwood	12	Cords			
	Mixed Hardwood		40	Cords			
	American Elm	Sawtimber	4.0	MBF			
	American Elm		Pulpwood	7			Cords
	Black Cherry			17			Cords
	Ironwood			8			Cords
	Quaking Aspen		357	Cords			
	Red Maple		16	Cords			
	Sugar Maple		169	Cords			
TOTAL:			189.8	MBF			
TOTAL:			3,113	Cords			

Sale Specific Conditions & Requirements

Sale Name: Slow Roll Hardwoods

Sale Number: 42-032-21 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 red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. 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 unless marked with orange paint. 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) 8, cut all trees that are two (2) inches or more at DBH, except leave all conifer and any trees ringed in green paint. Retention pockets present within this Payment Unit.

2.1.3 - Cut tree marked unit(s) (12/08)

Within Payment Unit(s) 1-7, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, cut all aspen, beech, and balsam fir. Do not cut any trees ringed in green paint.

2.1.11 - Description of timber note (2/04)

Note that mixed hardwood pulp volumes include some minor sawlog volumes of elm and yellow birch.

4 - Transportation

4.1 - Construction

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.

4.1.5 - Culverts (5/14)

Roads may require the installation of equalization culverts for cross drainage or at natural drainage-ways. If culverts are needed in these locations, their placement will be specified by the sale administrator, and they shall be installed prior to hauling. The culverts shall be new, corrugated metal or plastic gauge. Culverts will be a minimum of 12 inches in diameter and 24 feet in length. If culverts are removed, fill shall be removed from wetland soils as specified. Soils shall be maintained and left in a non-erodible condition, with water bars, seed, fertilizer, mulch, and slash installed as directed by the sale administrator and as specified in the BMP manual.

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. These roads must be rendered impassable to cars and trucks. All stumps from road building and

landing construction must be reserved to block any newly constructed roads upon completion of the sale. These stumps must be scattered along the road system to prohibit vehicular movement. Contact the sale administrator for specific details of design and placement.

4.2 - Maintenance

4.2.2 - Fill material (4/07)

To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. This fill material should be placed before trucking begins.

4.2.4 - Grading (10/16)

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

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 36 inches in height.

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

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1-8, unless changed by written agreement, cutting and skidding are limited to the period of October 1 to April 1. This restriction is because of wintering deer and providing forage.

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.

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

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

5.4 - Soil Protection

5.4.2 - 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.

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.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Kabelman 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. The Purchaser will provide these signs.

**TIMBER SALE MAP**

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

Sale Number	Year
42 - 032	21

Forest Management Unit Newberry	County Luce	Mapped By A. Livermore	Date 09/24/2021	Page 1	of 1
Cruised By Newberry DNR					

Township 47N	Range 12W	Section(s) and Subdivision(s) NE 1/4, NENW, SENW, NWSW, NENE, NESE, NWSE, SWSE sec. 14	Scale 1:15,840
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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 Hardwoods	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

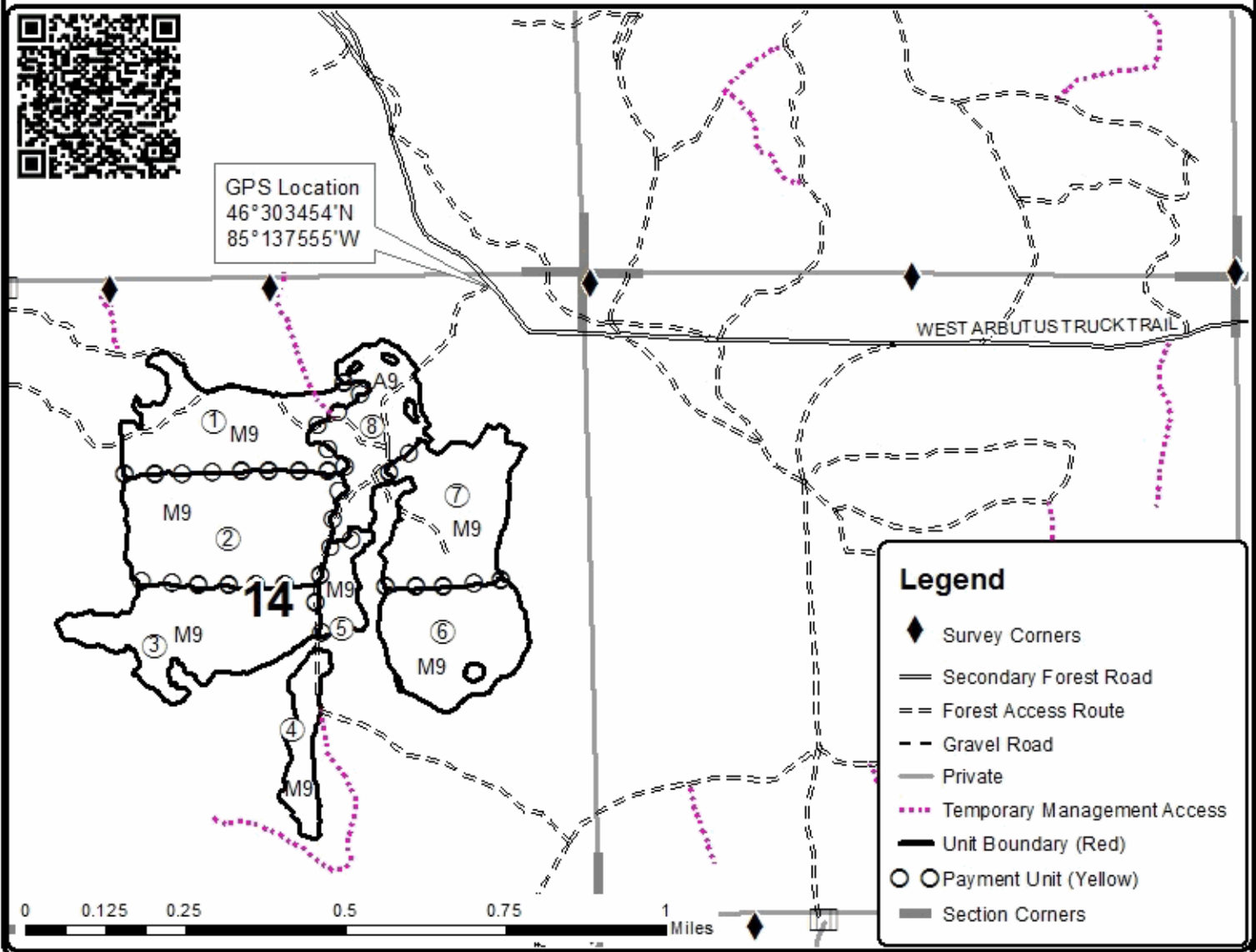
PU	Acres	MBF	Cords
1	27.5	28.3	496
2	36.3	37.4	658
3	27.7	28.5	501
4	7.9	8.1	144
5	5.8	6	104
6	22.5	35.4	290
7	25.4	39.9	326
8	18.3	6.2	600

Slow Roll Hardwoods

Compartment 42074
171.4 Acres



GPS Location
46°30'34.54"N
85°13'7.55"W

**Legend**

- ◆ Survey Corners
- Secondary Forest Road
- - Forest Access Route
- - Gravel Road
- Private
- Temporary Management Access
- Unit Boundary (Red)
- Payment Unit (Yellow)
- Section Corners