



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN  
TIMBER SALE PROSPECTUS #7019**

**SCHEDULED SALE DATE AND TIME:** 3:00 p.m. (local time) on May 26, 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:

Culhane Bridges Pine (42-023-18) / T50N, R08W, SEC. 29, SESW, W1/2SE.

T50N, R08W, SEC. 32, E1/2NW, NE, N1/2SE, SWSE.

Luce County, Advertised Price \$112,011.00, 255.5 Acres, Red Pine, White Pine.

SALE NOTE: The stream crossing will require the installation of a culvert or portable bridge which may be borrowed from the DNR. See Sale Spec 4.1.2 for additional information.

Harvesting is not permitted during the period of April 15 to July 15 because of bark slippage.

Some roads or skid trails may require extra protection such as that afforded by timber mats. See Sale Spec 5.2.17 for details.

# TIMBER SALE INFORMATION

Culhane Bridges Pine (42-023-18)  
T50N, R08W, SEC. 29; T50N, R08W, SEC. 32.  
Luce County (Advertised Price \$112,011.00)

SALE NOTE: The stream crossing will require the installation of a culvert or portable bridge which may be borrowed from the DNR. See Sale Spec 4.1.2 for additional information.

Harvesting is not permitted during the period of April 15 to July 15 because of bark slippage.

Some roads or skid trails may require extra protection such as that afforded by timber mats. See Sale Spec 5.2.17 for details.

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 T-Sale computer program and our traditional volume equations. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Pulpwood		
Balsam Fir	99 Cords	\$ 8.50 / Cord
Jack Pine	232 Cords	\$ 16.25 / Cord
Mixed Hardwood	318 Cords	\$ 10.00 / Cord
Mixed Spruce	178 Cords	\$ 18.85 / Cord
Paper Birch	31 Cords	\$ 9.45 / Cord
Quaking Aspen	275 Cords	\$ 19.95 / Cord
Red Pine	2,025 Cords	\$ 43.20 / Cord
White Pine	585 Cords	\$ 13.00 / Cord

\* The total volume is statistically estimated within plus (+) or minus (-) 8.91 percent. There are an estimated 3,755 cords on this timber sale, plus or minus 335 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 \$5,600.55 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	10.8%
02	10.3%
03	7.7%
04	5.2%
05	1.3%
06	15.6%
07	20.7%
08	17.8%
09	8.4%
10	2.2%

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**

### **SALE VOLUMES**

<u>VOLUME</u>		<u>STATISTICAL RANGE IN CORDS</u>		
<u>TOTAL CUBIC FEET</u>	<u>TOTAL CORDS</u>	<u>PERCENT ERROR</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
296,640	3,755	8.91%	3,420	4,090

## 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
35	0	0	21.74%	0	0
38	0	0	26.25%	0	0
42	0	0	27.06%	0	0
47	0	0	27.30%	0	0
50	0	0	30.12%	0	0
52	0	0	29.96%	0	0
235	0	0	28.72%	0	0
650	0	0	22.78%	0	0
838	0	0	21.87%	0	0
938	0	0	26.22%	0	0
<b>TOTAL:</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>

## 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
35	30.6	1	30.6
38	36.6	7	36.6
42	10.1	3	10.1
47	20.6	4	20.6
50	22.3	10	22.3
52	12.1	5	12.1
235	26.4	2	26.4
650	27.8	6	27.8
838	37.9	8	37.9
938	31.1	9	31.1
<b>TOTAL:</b>	<b>255.5</b>		<b>255.5</b>

**DESCRIPTION OF TIMBER BY PU (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Jack Pine Red Pine	Pulpwood	32	Cords	30.6	\$12,054.40
			267	Cords		
2	Jack Pine Red Pine White Pine	Pulpwood	17	Cords	26.4	\$11,547.25
			260	Cords		
			3	Cords		
3	Balsam Fir Mixed Hardwood <i>Red Maple</i> Mixed Spruce <i>Black Spruce</i> <i>White Spruce</i> Red Pine White Pine	Pulpwood	2	Cords	10.1	\$8,585.55
			3	Cords		
			3	Cords		
			11	Cords		
			8	Cords		
			3	Cords		
			176	Cords		
			56	Cords		
4	Balsam Fir Mixed Hardwood <i>Beech</i> <i>Red Maple</i> <i>Yellow Birch</i> Mixed Spruce <i>Black Spruce</i> <i>White Spruce</i> Paper Birch Quaking Aspen Red Pine White Pine	Pulpwood	18	Cords	20.6	\$5,870.05
			180	Cords		
			4	Cords		
			164	Cords		
			12	Cords		
			20	Cords		
			1	Cords		
			19	Cords		
			7	Cords		
			6	Cords		
			31	Cords		
			155	Cords		
5	Balsam Fir Mixed Hardwood <i>Beech</i> <i>Red Maple</i> Mixed Spruce <i>Black Spruce</i> <i>White Spruce</i> Paper Birch	Pulpwood	22	Cords	12.1	\$1,434.95
			71	Cords		
			2	Cords		
			69	Cords		
			14	Cords		
			3	Cords		
			11	Cords		
			29	Cords		
6	Jack Pine Mixed Hardwood <i>Red Maple</i> Quaking Aspen Red Pine White Pine	Pulpwood	29	Cords	27.8	\$17,500.20
			25	Cords		
			25	Cords		
			93	Cords		
			328	Cords		
			58	Cords		
7	Balsam Fir Jack Pine Mixed Spruce <i>Black Spruce</i> <i>White Spruce</i> Quaking Aspen Red Pine White Pine	Pulpwood	3	Cords	36.6	\$23,362.65
			39	Cords		
			8	Cords		
			4	Cords		
			4	Cords		
			116	Cords		
			442	Cords		
			88	Cords		
8	Jack Pine Mixed Spruce <i>Black Spruce</i> <i>White Spruce</i> Quaking Aspen Red Pine White Pine	Pulpwood	49	Cords	37.9	\$19,910.55
			35	Cords		
			20	Cords		
			15	Cords		
			9	Cords		
			380	Cords		
			143	Cords		
9	Balsam Fir	Pulpwood	3	Cords	31.1	\$9,403.40

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
9 con't	Jack Pine	Pulpwood	66	Cords		
	Mixed Hardwood		7	Cords		
	Red Maple		7	Cords		
	Mixed Spruce		48	Cords		
	Black Spruce		9	Cords		
	White Spruce		39	Cords		
	Quaking Aspen		36	Cords		
	Red Pine		132	Cords		
	White Pine		70	Cords		
10	Balsam Fir	Pulpwood	51	Cords	22.3	\$2,502.65
	Mixed Hardwood		32	Cords		
	Red Maple		32	Cords		
	Mixed Spruce		42	Cords		
	White Spruce		42	Cords		
	Paper Birch		12	Cords		
	Quaking Aspen		15	Cords		
	Red Pine		9	Cords		
	White Pine		12	Cords		
TOTAL:			3,760	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Culhane Bridges Pine**

**Sale Number: 42-023-18 Seq#: 1**

### **1 - Sale Area**

#### **1.2 - Boundaries**

##### **1.2.1 - Painted boundaries (1/14)**

The sale boundary and Payment Unit boundaries are marked and identified by blue, red, and yellow paint. Exterior sale boundary lines against private 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 unless marked with orange paint.

### **2 - Timber Specifications**

#### **2.1 - Included Timber**

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

Within Payment Unit(s) 1 - 3 and 5 - 10, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

In addition, within Payment Unit(s) 1 - 3 and 6 - 10, cut all aspen, balsam fir, jack pine and mixed spruce.

Also, within Payment Unit 5, cut all balsam fir, beech, mixed spruce and paper birch.

##### **2.1.7 - Leave tree marked unit(s) (6/14)**

Within Payment Unit(s) 4, all trees which meet minimum piece specifications in 2.2 Utilization are designated for cutting, except do not cut any hemlock, oak or green marked trees.

#### **2.2 - Utilization**

##### **2.2.4 - Skidding length (2/14)**

Skidding of unlimbed tops or lengths over 17 feet is not permissible unless approved by the Unit Manager or his/her representative.

### **3 - Payments**

#### **3.3 - Pre-measured Sales**

##### **3.3.4 - Dividing payment units (7/14)**

Payment Unit(s) 1 - 10, 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 Amendment. There will be only one division per Payment Unit.

### **4 - Transportation**

#### **4.1 - Construction**

##### **4.1.2 - Stream crossings, specific (3/11)**

The stream crossing will require the installation of a culvert or portable bridge which may be borrowed from the DNR. Access into Payment Unit(s) 3 - 5 and 7 - 9 will require a bridge or crane mats. This installation will be performed by the Purchaser in accordance with the specifications on the appropriate permits which shall be provided by the DNR (see spec 5.2.17 for details).

##### **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 or be chipped, utilized or otherwise removed from 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 double earthen berms at strategic locations. Stumps and brush must be placed along the remainder of the trail. 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

#### 4.2.4 - 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.

#### 4.2.5 - Two wheel drive condition (2/04)

All existing trail roads on and adjacent to the sale area must be passable by two-wheel drive traffic for the duration of the sale.

## 5 - Operations

### 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

##### 5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 1 - 10, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

##### 5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

#### 5.2.17 - Timber Mats and Interlocking Composite Mats (3/18)

Some roads or skid trails may require extra protection such as that afforded by timber mats. If available, mats may be borrowed from the DNR. A Timber Sale Contract Supplement will be used to document the Purchaser's use of the DNR's mats. Contact the sale administrator regarding availability and pick-up. Timber mats are located at the Newberry Field Office. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud and debris. A charge of \$400.00 per timber mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants.

#### 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.



# TIMBER SALE MAP

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

Forest Management Unit		County	Mapped By	Douglass	Date	Page	of
Newberry Management Unit		Luce	Cruised By	Van Oss Forestry Services	10/05/2018	1	1
Township	Range	Section(s) and Subdivision(s)			Scale		
50N	08W	Sec 29 - SESW, W1/2SE; Sec 32 - NE1/4, E1/2NW, N1/2SE, SWSE			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	PU	Acres
1	30.6	5	12.1	9	31.1
2	26.4	6	27.8	10	22.3
3	10.1	7	36.6		
4	20.6	8	37.9		

# Culhane Bridges Pine

## Compartment 44

### 255.5 Acres

