

DEPARTMENT OF NATURAL RESOURCES STATE OF MICHIGAN <u>TIMBER SALE PROSPECTUS #7100</u>

<u>SCHEDULED SALE DATE AND TIME:</u> 9:00 a.m. (local time) on August 16, 2022. <u>LOCATION:</u> GAYLORD MGMT UNIT, 1732 WEST M 32, GAYLORD, MI 49735.

CONTACT NAME: Lucas Merrick PHONE NUMBER: (989) 732-3541

<u>PROSPECTUS NOTE</u>: All bid openings for the Gaylord Management Unit (Gaylord Field Office and Indian River Field Office) will be held at the Gaylord Field Office regardless of sale location within the unit. All payments and contract executions will now be handled through the Gaylord Field Office. The Indian River Field Office will no longer accept payments or hard paper copies of timber sale bids. Payments for all contracts, use permits, bonds, etc. should be sent to the Gaylord Field Office.

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

<u>C 58 South Mix</u> (52-017-21) / T30N, R06W, SEC. 11, E1/2NE,E1/2SE. T30N, R06W, SEC. 12, NW,S1/2NE,SW,N1/2SE. T30N, R06W, SEC. 13, NWNW. T30N, R06W, SEC. 2 , SESE. Antrim County, Advertised Price \$149,033.60, 198.6 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.

Difficult access, lots of road work will be needed. Main access off of bermed access routes coming north on Harvey Road from Alba Highway.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions.

TIMBER SALE INFORMATION

C 58 South Mix (52-017-21)

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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:

PRODUCTS & SPECIES	ESTIMATE	D UNITS*	ADV	ERTISED PRICE
Sawtimber				
Basswood	566.3	MBF	\$	42.00 / MBF
Beech	17.9	MBF	\$	38.00 / MBF
Black Cherry	2.9	MBF	\$	68.00 / MBF
Mixed Aspen	214.7	MBF	\$	40.00 / MBF
Red Maple	77.1	MBF	\$	72.00 / MBF
Rock Elm	0.8	MBF	\$	27.00 / MBF
Sugar Maple	266.5	MBF	\$	296.00 / MBF
Pulpwood				
Basswood	1,092	Cords	\$	9.25 / Cord
Mixed Aspen	446	Cords	\$	14.80 / Cord
Mixed Hardwood	1,112	Cords	\$	13.00 / Cord
Rock Elm	13	Cords	\$	13.00 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 3.47 percent. There are an estimated 5,372 cords on this timber sale, plus or minus 187 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.

VALUE

BOND AND PAYMENT SCHEDULE:

- 1. A bond in the amount of \$7,451.68 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:

PERCENT OF TOTAL SALE
27.5%
8.5%
16.5%
26.5%
21.0%

4. If no cutting takes place, the 10% down payment will not be refunded.

5. Operations on the contract issued will terminate on 12/31/2025.

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.

VOL	ME STATISTICAL RANGE IN CORDS		ANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM MAXIMUM	
424,351	5,372	3.47%	5,185	5,558

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
3	75,765	959	8.59%	877	1,041
18	52,891	670	8.17%	615	724
20	109,836	1,390	7.31%	1,289	1,492
120	132,327	1,675	5.82%	1,578	1,773
121	53,531	678	10.60%	606	749
TOTAL:	424,351	5,372		4,963	5,780

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
3	41.3	3	41.3
18	22.0	2	22.0
20	55.0	1	55.0
120	64.1	4	64.1
121	16.2	5	16.2
TOTAL:	198.6		198.6

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	130.3	MBF	55.0	\$41,109.10
	Black Cherry		0.8	MBF		
	Mixed Aspen		59.1	MBF		
	B. T. Aspen		59.1	MBF		
	Red Maple		2.8	MBF		
	Sugar Maple		81.5	MBF		
	Basswood	Pulpwood	318	Cords		
	Mixed Aspen		85	Cords		
	B. T. Aspen		85	Cords		
	Mixed Hardwood		361	Cords		
	Beech		2	Cords		
	Black Cherry		5	Cords		
	Ironwood		57	Cords		
	Red Maple		26	Cords		
	Sugar Maple		271	Cords		
2		Sawtimber		MBF	22.0	\$12,642.85
2	Mixed Aspen	Sawumber	92.8		22.0	\$12,042.00
	Quaking Aspen		92.8	MBF		
	Red Maple		12.9	MBF		
	Rock Elm		0.8	MBF		
	Sugar Maple		7.3	MBF		
	Basswood	Pulpwood	21	Cords		
	Mixed Aspen		323	Cords		
	Quaking Aspen		323	Cords		
	Mixed Hardwood		52	Cords		
	Black Cherry		3	Cords		
	Red Maple		29	Cords		
	Sugar Maple		20	Cords		
	Rock Elm		13	Cords		
3	Basswood	Sawtimber	118.1	MBF	41.3	\$24,536.95
	Beech		13.2	MBF		
	Black Cherry		2.1	MBF		
	Mixed Aspen		47.8	MBF		
	B. T. Aspen		47.8	MBF		
	Red Maple		21.4	MBF		
	Sugar Maple		36.1	MBF		
	Basswood	Pulpwood	187	Cords		
	Mixed Aspen		34	Cords		
			34			
	<i>B. T. Aspen</i> Mixed Hardwood			Cords Cords		
			197			
	Beech		29	Cords		
	Black Cherry		3	Cords		
	Ironwood		4	Cords		
	Red Maple		40	Cords		
	Sugar Maple		121	Cords		
4	Basswood	Sawtimber	246.4	MBF	64.1	\$39,468.05
	Mixed Aspen		15.0	MBF		
	B. T. Aspen		15.0	MBF		
	Red Maple		31.6	MBF		
	Sugar Maple		58.1	MBF		
	Basswood	Pulpwood	505	Cords		
	Mixed Aspen		4	Cords		
	B. T. Aspen		4	Cords		
	Mixed Hardwood		332	Cords		
	Ironwood		4	Cords		
	Red Maple		39	Cords		
		l	59	I 50,43		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
4 con't	Sugar Maple	Pulpwood	289	Cords		
5	Basswood	Sawtimber	71.5	MBF	16.2	\$31,276.65
	Beech		4.7	MBF		
	Red Maple		8.4	MBF		
	Sugar Maple		83.5	MBF		
	Basswood	Pulpwood	61	Cords		
	Mixed Hardwood		170	Cords		
	Beech		1	Cords		
	Red Maple		7	Cords		
	Sugar Maple		162	Cords		
		TOTAL:	1,146.2	MBF		
		TOTAL:	2,663	Cords		

Sale Specific Conditions & Requirements

Sale Name: C 58 South Mix

Sale Number: 52-017-21 Seq#: 2

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) 2 and 5, cut all trees that are two (2) inches or more at DBH, except elm, yellow birch, any conifers, or beech over 16 inches at DBH.

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

Within Payment Unit(s) 3 and 4, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. Regen gaps in Payment Unit 3 are marked with timber teal paint. All trees taller than 6 feet in height inside the marked regen gaps are to be cut.

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

Within Payment Unit(s) 1, all trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting, except trees marked with timber teal paint above and below stump height. Also, do not cut any elm, yellow birch, conifers, or beech over 16 inches at DBH.

2.2 - Utilization

2.2.4 - Skidding length (2/14)

Skidding of lengths over 17 feet is permissible in Payment Unit 1, 2, and 5 if the timber sale administrator approves the method and machinery used. If at any point damage exceeds specification 3.4.1, all the remaining wood must be skid in lengths less than 17 feet.

2.2.6 - Roundwood operation required (3/21)

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Unit(s) 3 and 4. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length.

2.2.9 - No chipping permitted (12/08)

Within Payment Unit(s) 2 and 5, all wood must be removed by whole tree, tree segment, or roundwood. No chipping is permitted.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 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.

- 3.4 Damaged Timber
 - 3.4.1 Damaged timber (7/16)

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings. Within the Sale Area, if more than 33% of the tree seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the Sale Area are damaged, liquidated damages will be assessed at \$500 per acre for all acreage within that specified portion of the Sale Area that was damaged.

No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber, or at a rate of \$50 per sawtimber tree and \$10 per pole sized tree, whichever is greater.

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.

4.1.4 - 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.

4.1.6 - 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. Stumps and brush must be placed along the remainder of the trail. These roads must be rendered impassable to cars and trucks. 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

5.2.1 - Slash

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5.2.1.8 - Slash height (12/08)
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No slash or tree tops may exceed 24 inches in height.

5.2.1.13 - Dispose of slash as directed (12/05)

Slash is to be disposed of as directed by the sale administrator.

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) 3 and 4, 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.

5.2.4 - Dead and Down Creation

5.2.4.4 - Dead and down creation, grouse (6/18)

To encourage grouse and other wildlife, in Payment Unit(s) 2 and 5 leave one, 12" diameter or larger log-length (8 foot minimum) piece on the ground for every 2 acres. This can be an unmerchantable piece or a full tree. Each log must be clearly identified.

5.2.17 - Timber Mats and Interlocking Composite Mats (10/20)

Some roads or skid trails may require extra protection such as that afforded by timber mats, interlocking composite mats, or another approved system. 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 available from various field offices. Composite mats are only available from the Grayling field office and the Marquette ICC. The Purchaser is responsible for picking up and hauling the mats to and from the site. The composite mats will require DNR staff onsite for installation and removal. Contact the sale administrator to schedule at least 30 days before desired install/removal date. 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 \$700.00 per timber mat and \$2,000.00 per composite 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. Damage for the composite mats is defined as cracked or broken mats.

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.

5.2.40 - Pathway protection (10/10)

The Jordan Valley Pathway is a hiking trail and is shown on the Timber Sale Map. Do not cut trees or damage posts with blue pathway markers. Maintain a 20-foot-wide slash, debris, and rut free zone daily, using the pathway as the centerline. Do not run equipment down the pathway. Skidding across the trail may only occur in locations approved by the sale administrator.

5.2.41 - Snowmobile trail protection (9/11)

The snowmobile trail is shown on the Timber Sale Map. Do not cut or damage posts with orange trail markers or traffic control signs. If the trail is used, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. If the trail is used for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1. If the trail road is to be used for hauling during the snowmobile season, then a snow-covered base must be left on the trail. The snowmobile trail may only be crossed at right angles. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level.

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.

5.4.2 - 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.

5.4.3 - Erosion control (12/08)

Skid trails or haul roads may require erosion control structures or berms per direction of the Unit Manager or his/her representative.

5.4.4 - Slope protection (9/19)

Skid trails and roads on slopes shall be water barred with slash, stumps, and/or clean straw bales native to the area as soon as use is complete to prevent erosion.

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 Penny Bridge Road, Jordan River Road, and/or Harvey 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.

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the snowmobile trail prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail 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.

6.2.3 - Recreational trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the Jordan Valley Pathway prior to beginning operations. The trail must be posted at appropriate distances from the Sale Area to warn of logging activity and truck traffic at both ends of the trail. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.



