



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6053

SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on January 11, 2018.

LOCATION: GAYLORD FIELD OFFICE, 1732 WEST M-32, GAYLORD, MI 49735.

CONTACT NAME: Joyce Angel

PHONE NUMBER: (989) 732-3541

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

Everything Together Mix (52-033-17)

Antrim County, Advertised Price \$127,824.05, 127.2 Acres, Hardwood, Red Pine.

SALE NOTE: Good access to seasonal county roads; somewhat hilly terrain.

Payment Units 3 and 5 must be chipped to prepare for replanting.

TIMBER SALE INFORMATION

Everything Together Mix (52-033-17)

Antrim County (Advertised Price \$127,824.05)

SALE NOTE: Good access to seasonal county roads; somewhat hilly terrain.

Payment Units 3 and 5 must be chipped to prepare for replanting.

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.

Bids must be at or above the following advertised price for each species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>		<u>ADVERTISED PRICE</u>
Sawtimber			
American Elm	0.90	MBF	\$ 45.00 / MBF
Basswood	48.60	MBF	\$ 60.00 / MBF
Beech	17.70	MBF	\$ 52.00 / MBF
Black Cherry	1.70	MBF	\$ 198.00 / MBF
Quaking Aspen	75.00	MBF	\$ 56.00 / MBF
Red Maple	43.60	MBF	\$ 153.00 / MBF
Red Pine	302.30	MBF	\$ 108.00 / MBF
Sugar Maple	89.20	MBF	\$ 289.00 / MBF
Pulpwood			
Basswood	166.00	Cords	\$ 6.75 / Cord
Mixed Hardwood	1,112.00	Cords	\$ 22.75 / Cord
Quaking Aspen	237.00	Cords	\$ 20.05 / Cord
Red Pine	502.00	Cords	\$ 46.10 / Cord

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$6,391.20 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.
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 12/31/2020.

Description of Timber by Payment Unit (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Basswood	Sawtimber	9.4	MBF	38.1	\$15,232.75
	Beech		12.7	MBF		
	Black Cherry		1.7	MBF		
	Quaking Aspen		11.0	MBF		
	Red Maple		14.4	MBF		
	Sugar Maple		11.0	MBF		
	Basswood	Pulpwood	31.0	Cords		
	Mixed Hardwood		314.0	Cords		
	<i>Beech</i>		87.0	<i>Cords</i>		
	<i>Black Cherry</i>		6.0	<i>Cords</i>		
	<i>Ironwood</i>		20.0	<i>Cords</i>		
	<i>Red Maple</i>		89.0	<i>Cords</i>		
	<i>Sugar Maple</i>		112.0	<i>Cords</i>		
	Quaking Aspen		16.0	Cords		
2	Basswood	Sawtimber	11.5	MBF	17.7	\$20,892.30
	Beech		2.1	MBF		
	Quaking Aspen		11.3	MBF		
	Red Maple		13.9	MBF		
	Red Pine		23.5	MBF		
	Sugar Maple		19.9	MBF		
	Basswood	Pulpwood	34.0	Cords		
	Mixed Hardwood		239.0	Cords		
	<i>Beech</i>		28.0	<i>Cords</i>		
	<i>Black Cherry</i>		1.0	<i>Cords</i>		
	<i>Ironwood</i>		8.0	<i>Cords</i>		
	<i>Red Maple</i>		90.0	<i>Cords</i>		
	<i>Sugar Maple</i>		112.0	<i>Cords</i>		
	Quaking Aspen		65.0	Cords		
	Red Pine		45.0	Cords		
3	American Elm	Sawtimber	0.3	MBF	23.6	\$33,681.75
	Basswood		5.0	MBF		
	Beech		0.3	MBF		
	Quaking Aspen		15.3	MBF		
	Red Maple		0.7	MBF		
	Red Pine		140.9	MBF		
	Sugar Maple		11.9	MBF		
	Basswood	Pulpwood	24.0	Cords		
	Mixed Hardwood		101.0	Cords		
	<i>American Elm</i>		1.0	<i>Cords</i>		
	<i>Beech</i>		11.0	<i>Cords</i>		
	<i>Black Cherry</i>		6.0	<i>Cords</i>		
	<i>Ironwood</i>		6.0	<i>Cords</i>		
	<i>Red Maple</i>		3.0	<i>Cords</i>		
	<i>Sugar Maple</i>		74.0	<i>Cords</i>		
	Quaking Aspen		38.0	Cords		
	Red Pine		228.0	Cords		
4	Basswood	Sawtimber	11.0	MBF	17.7	\$21,268.25
	Beech		2.0	MBF		
	Quaking Aspen		11.1	MBF		
	Red Maple		13.3	MBF		
	Red Pine		29.1	MBF		
	Sugar Maple		19.1	MBF		
	Basswood	Pulpwood	33.0	Cords		
	Mixed Hardwood		229.0	Cords		
	<i>Beech</i>		27.0	<i>Cords</i>		

Description of Timber by Payment Unit (PU), con't

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE				
4 con't	<i>Black Cherry</i>	<i>Pulpwood</i>	1.0	<i>Cords</i>						
	<i>Ironwood</i>		8.0	<i>Cords</i>						
	<i>Red Maple</i>		86.0	<i>Cords</i>						
	<i>Sugar Maple</i>		107.0	<i>Cords</i>						
	Quaking Aspen		63.0	Cords						
	Red Pine		54.0	Cords						
	5		American Elm	Sawtimber			0.6	MBF	30.1	\$36,749.00
Basswood		11.7	MBF							
Beech		0.6	MBF							
Quaking Aspen		26.3	MBF							
Red Maple		1.3	MBF							
Red Pine		108.8	MBF							
Sugar Maple		27.3	MBF							
Basswood		44.0	Cords							
Mixed Hardwood		229.0	Cords							
<i>American Elm</i>		2.0	<i>Cords</i>							
<i>Beech</i>		27.0	<i>Cords</i>							
<i>Black Cherry</i>		6.0	<i>Cords</i>							
<i>Ironwood</i>		9.0	<i>Cords</i>							
<i>Red Maple</i>		5.0	<i>Cords</i>							
<i>Sugar Maple</i>		180.0	<i>Cords</i>							
Quaking Aspen		55.0	Cords							
Red Pine		175.0	Cords							
TOTAL:			579.0		MBF					
TOTAL:			2,017.0		Cords					

Sale Specific Conditions & Requirements

Sale Name: Everything Together Mix

Sale Number: 52-033-17 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 red, blue, teal, and yellow paint. Exterior sale boundary lines against state are marked with red paint, with the exception of the patch cut areas within Payment Unit 1, which are marked with blue paint. Retention island boundaries are marked with timber teal 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. 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

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

Within Payment Unit(s) 1, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, within the blue painted patch cut areas, all trees above two (2) inches at DBH are designated for cutting, except do not cut oak.

Within Payment Unit(s) 2, 3, 4, and 5, all trees above two (2) inches at DBH are designated for cutting, except do not cut oak and trees marked with timber teal paint.

2.2 - Utilization

2.2.2 - Chipping required (5/14)

Payment Unit 3 and 5 must be chip harvested to facilitate subsequent planting operations. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled. Do not chip 1/6 to 1/3 of the slash from harvested trees (tree tops and limbs less than four inches in diameter).

2.2.3 - Stump heights (4/07)

Stump heights within Payment Unit(s) 3 and 5 shall not exceed 6 inches for all trees. This is in order to facilitate planting operations. A written waiver of this requirement may be obtained if wet summer weather makes winter logging necessary.

2.2.4 - Skidding length (2/14)

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

2.2.5 - Limbed tree skidding (1/09)

The skidding of whole trees or tree segments with limbs attached is prohibited in Payment Unit 1, 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) 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 Supplement. There will be only one division per Payment Unit.

3.4 - Damaged Timber

3.4.1 - Damaged timber (6/14)

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 Payment Unit 1, if more than 50% 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 \$250 per acre for all acreage within that specified portion of the sale area that was damaged.

No damage is acceptable to 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.

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.

4.2 - Maintenance

4.2.3 - Road maintenance (8/13)

The following road maintenance may be needed: Within 60 days of completion of hauling, or if no hauling occurs for 60 days, the road must be maintained and graded. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. Damages will be assessed if grading/repair does not occur.

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 bull dozer 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

5.1 - Notification

5.1.3 - Well heads and natural gas pipelines (11/15)

The Purchaser is responsible for contacting the gas or pipeline company 30 days prior to operating equipment in the vicinity of well heads or natural gas pipelines.

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.

5.2.1.14 - Chipping of slash (10/08)

If tops are chipped, they must be skidded to the landing separately from the bole section of the tree. Skidding of tops must be done in such a way as to minimize damage to the residual trees. See related specs 2.2.4 - Skidding Length and 3.4.1 - Damaged Timber.

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, 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.

5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in Payment Units 2 and 4 must be completed before significant aspen sprouting occurs in that Payment Unit so as to minimize damage to the new regeneration. Any post harvest operations, such as chipping, must be completed before sprouting of regeneration occurs. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location or left unchipped. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

5.2.29 - Shrub protection (9/07)

Do not cut or damage hawthorn, witch-hazel, dogwood or junberry. These woody-shrub plants are highly beneficial to various wildlife species.

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

5.4.1 - Rutting restriction, general (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads 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.

5.8 - 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 (9/09)

The Purchaser is responsible for posting and maintaining caution signs on N Crooked Lake 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.

7 - Other Conditions

7.3 - Contract Modifications

7.3.3 - Modification for reforestation (8/05)

When contractual work of Purchaser has been accepted for any Payment Unit identified on Sale Area Map, Payment Unit will be eliminated from the Sale Area on written notice so that reforestation operations can begin.

**TIMBER SALE MAP***This information provided by authority of Part 525, 1994 PA 451, as amended.*Sale Number
52-033Year
17Forest Management Unit
GaylordCounty
AntrimMapped By Crew
Cruised By Crew, BehrmannDate
08/17/17

Page 1 of 1

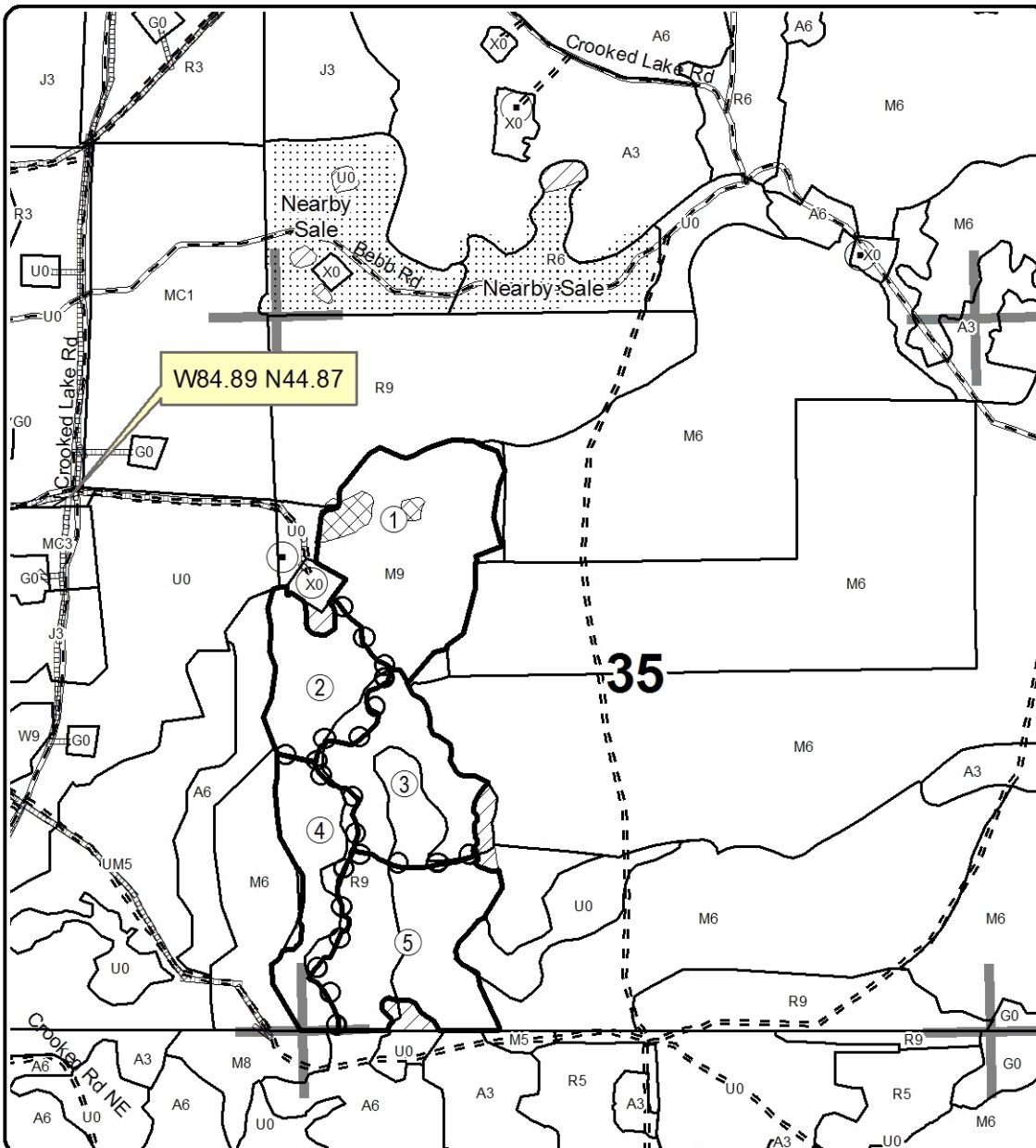
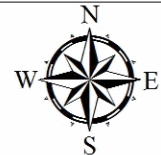
Township
29NRange
05WSection(s) and Subdivision(s)
34 - E1/2SE, SE/NE 35 - W1/2Scale
1:15,840**Cover Type**

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 Hdwoods	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	PU	Acres
1	38.1	4	17.7
2	17.7	5	30.1
3	23.6		

Everything Together Mix
Compartment 064
127.2 Acres**Legend**

- Against State (Red)
- Payment Unit (Yellow)
- ▨ Patch Cut (Blue)
- ▨ Retention Area (Teal)
- Stand Boundaries
- Section Corners
- Oil & Gas Well Surface Locations
- Highway
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Pipeline
- Powerline

Locator Map
1:200,000