



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #5718

SCHEDULED SALE DATE AND TIME: 10:00 a.m. (local time) on October 4, 2016.

LOCATION: ATLANTA MGMT UNIT, 13501 M-33, ATLANTA, MI 49709.

CONTACT NAME: Cody Stevens

PHONE NUMBER: (989) 785-4251

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

VICKY GRAHAM LOG JAM (54-052-15) / T32N, R06E, SEC. 12, W2SW, N2SE, SESE, SWNE.

T32N, R06E, SEC. 13, SW4, SESE; SEC 14 NESE.

T32N, R07E, SEC. 07, SWSW.

Alpena County, Advertised Price \$72,200.75, 121.0 Acres, Aspen, Hardwood.

SALE NOTE: To provide for the safety of weekend snowmobile traffic, Spec 5.2.3.1, Operating Restrictions, does not allow hauling on weekends from 5:00 p.m. Friday through 6:00 a.m. Monday from any Payment Units during the period of 12/1 to 4/1.

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

VICKY GRAHAM LOG JAM (54-052-15)

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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.

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> |
|-------------------------------|-------------------------|-------------------------|
| Pulpwood | | |
| Jack Pine | 182.00 Cords | \$ 25.80 / Cord |
| Mixed Aspen | 930.00 Cords | \$ 22.10 / Cord |
| Mixed Hardwood | 749.00 Cords | \$ 19.50 / Cord |
| Mixed Softwood | 718.00 Cords | \$ 33.90 / Cord |

In addition, the successful bidder agrees to purchase the following species at the indicated advertised price for a total value of \$8,006.45:

| <u>PRODUCTS & SPECIES</u> | <u>ESTIMATED UNITS*</u> | <u>ADVERTISED PRICE</u> |
|-------------------------------|-------------------------|-------------------------|
| Sawtimber | | |
| Red Maple | 21.40 MBF | \$ 121.00 / MBF |
| Red Pine | 4.90 MBF | \$ 157.00 / MBF |
| Pulpwood | | |
| Paper Birch | 79.00 Cords | \$ 7.55 / Cord |
| Red Pine | 28.00 Cords | \$ 70.30 / Cord |
| White Pine | 53.00 Cords | \$ 39.30 / Cord |

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$3,700.00 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 06/30/2019.

Sale Specific Conditions & Requirements

Sale Name: VICKY GRAHAM LOG JAM

Sale Number: 54-052-15 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (1/14)

The sale boundaries are marked with red paint. Exterior sale boundary lines against state are marked with red paint. Interior retention pockets are marked with red paint. The snowmobile trail is the north boundary of Payment Unit 1. The powerline is the east boundary of Payment Unit 7. The painted boundary line trees are not Included Timber and are to be protected.

2 - Timber Specifications

2.1 - Included Timber

2.1.1 - Clearcut unit(s) with unmerchantable trees (6/14)

Within Payment Unit(s) 1, 2, 3, 5, 6, and 7, cut all trees that are two (2) inches or more at DBH except do not cut any red pine, white pine, or cedar in Payment Units 1, 2, 3, and 6.

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

Within Payment Unit(s) 4, cut all trees that are two (2) inches or more at DBH except trees marked with yellow paint above and below stump height. In addition, do not cut any cedar in Payment Unit 4.

2.1.11 - Description of timber note (2/04)

Note that Mixed Softwood Pulpwood consists of balsam fir, white spruce, and black spruce. Mixed Hardwood Pulpwood consists of sugar maple, red maple, basswood, black cherry, and Iron wood. Mixed Hardwood Pulpwood is approximately 89 percent red maple.

2.2 - Utilization

2.2.5 - Limbed tree skidding (1/09)

The skidding of whole trees or tree segments with limbs attached is prohibited in Payment Unit 4, unless approved by the Unit Manager or his/her representative.

3 - Payments

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. No damage is acceptable to undesignated 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.

4.1.6 - Road construction (1/09)

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)

The closed road needed for access to Payment Unit 4 must be re-closed at the completion of Payment Unit 4. Berms and holes previously used to block off the trail must be reconstructed at the completion of Payment Unit 4. Berms and holes must be reconstructed at the original location with equivalent or better depth and height. These roads must be rendered impassable to cars and trucks. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days.

4.1.8 - Road work (1) (8/07)

The following road work is required before operations can begin in Payment Units 5, 6, and 7: A minimum of a 12 inch, 18 ft. long culvert will need to be properly placed in the forest trail low spot in between Payment Units 6 and 7 prior to beginning any operations. This culvert will need to be covered by at least 12 inches of limestone and the limestone will need to extend at least 20 feet past both sides of the culvert without creating a ramp in the forest trail.

In addition, proper stone fill will need to be placed in multiple stretches along the forest roads north from Graham Road to Payment Units 5, 6, and 7 per the direction of the sale administrator before operations can begin.

If the producer plans to harvest Payment Units 5, 6, and/or 7 in the winter, the aforementioned road work must be done in the fall prior to harvesting and hauling.

Note: This road work is also required for the purchaser that is awarded the contract for the adjacent sale, High Road Red Pine (#54-051-15), and is included in the contract specifications. It is the responsibility of the purchaser of the Vicky Graham Log Jam sale to work with the purchaser of the High Road Red Pine sale to ensure that this road work is completed before any operations begin. In the event that the road work has already been completed by the purchaser of the adjacent sale, this road work will no longer be required.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Unit. All operations are limited to existing roads. Skid trails only will be allowed.

4.2 - Maintenance

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

5.1.1 - Pre-sale conference (10/11)

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning any operations in a Payment Unit. The Unit Manager or his/her representative must be contacted at least 10 days in advance to schedule the conference.

5.1.4 - Post-sale conference (6/11)

A post-sale conference on site between the Purchaser and sale administrator is required 5 days prior to the completion of active logging operations to determine clean-up and repair of landings, road edges, and the fulfillment of other contract specifications.

5.1.6 - Utility R.O.W. (1/15)

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line R.O.W. for operations.

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (2/04)

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 through 7, unless approved by the Unit Manager hauling is not permitted from 5:00 p.m. Friday evening through 6:00 a.m. Monday morning during the period of 12/1 to 4/1. This restriction is due to the necessity of using the snowmobile trail for hauling wood from the sale.

5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 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.

5.2.3.6 - 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 any Payment Unit must be completed before significant 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.

5.2.4 - Dead and Down Creation

5.2.4.4 - Dead and down creation, grouse (8/13)

To encourage grouse and other wildlife, in Payment Unit(s) 1, 2, 3, and 7 leave one, 12" diameter or larger log-length (8 foot minimum) piece on the ground for every 2 acres. These will be evenly scattered throughout the unit. This can be an unmerchantable piece or a full tree.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 1 through 6, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because of the presence of poorly drained soil in these units.

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.

5.2.41 - 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. The trail 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. During the snowmobile season a snow covered base must be left on the trail. Maintain a 20 foot wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. All stumps within 10 feet of the snowmobile trail must be cut at ground level.

5.4 - Soil Protection

5.4.1 - Rutting restriction, general (1/09)

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.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.2 - Snowmobile trail posting (8/09)

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 locations designated on the map and 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.

54-052

2015

TIMBER SALE MAP

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

| | | | | | | |
|-----------------------------------|---------------------|---|------------------------|--------------------|-----------|---------|
| Forest Management Unit Atlanta | | County Alpena | Mapped By D. Parris | Date 10/15/2015 | Page 1 | of 2 |
| Township 32N 32N | Range 08E 07E | Section(s) and Subdivision(s) Sec 12 W2SW, N2SE, SESE, SWNE; Sec 13 SW4, SESE; Sec 14 NESE Sec 7 SWSW | | Scale 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 |

Legend

Sale Boundary

-  Against State (Red)
-  Retention Area (Red)
-  Payment Unit
-  Adjacent Stand Boundaries
-  Gravel Roads
-  Poor Dirt Roads
-  Closed Roads
-  Snowmobile Trails
-  Pipeline; Powerline
-  Lakes and Rivers All
-  Section Corners

Vicky Graham Log Jam

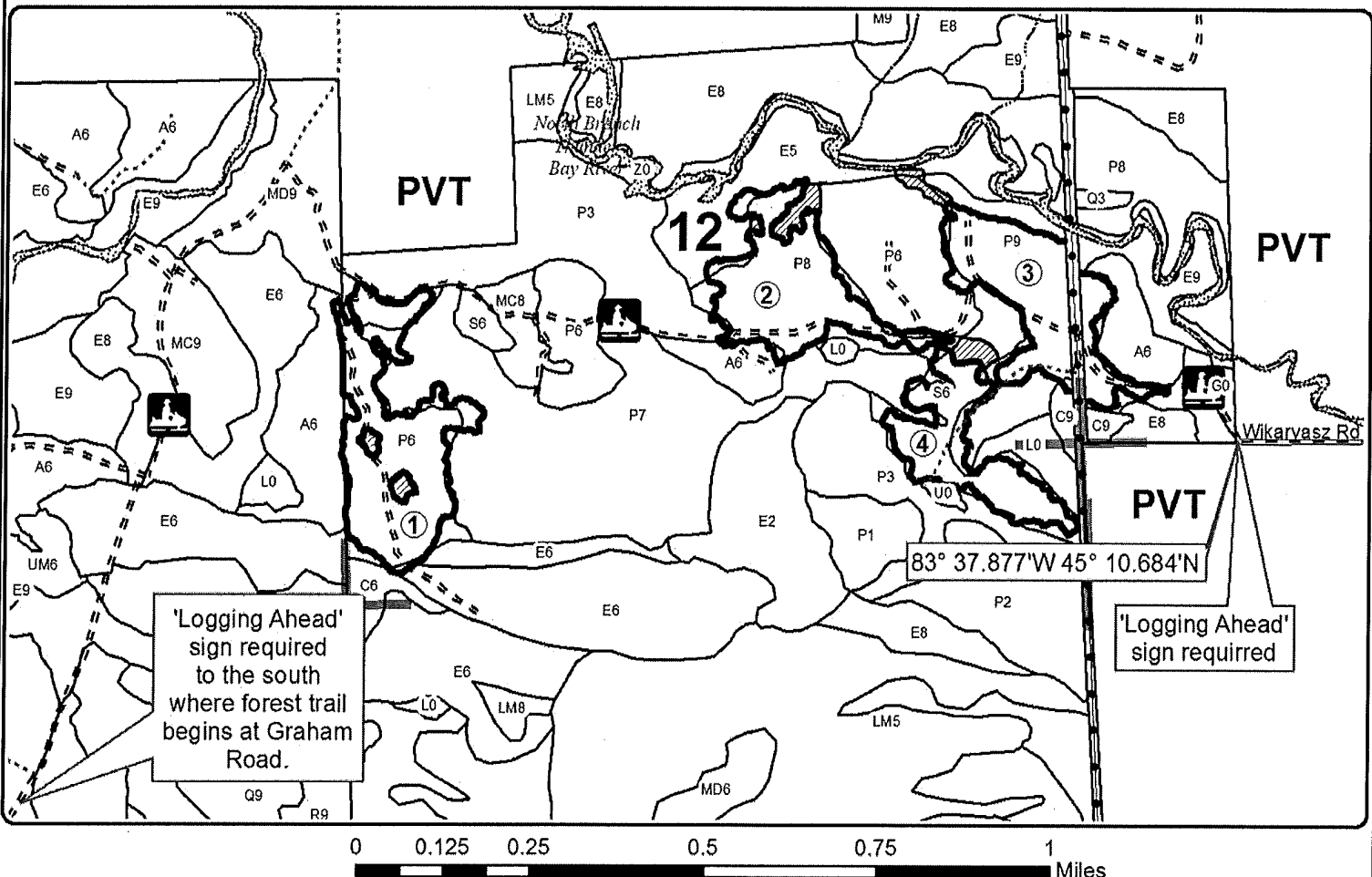
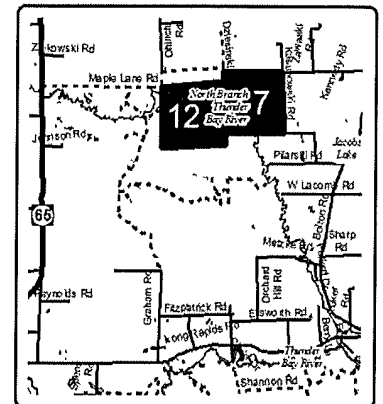
Compartment 110

121 Acres



| PU | Stand | Acres | PU | Stand | Acres |
|----|-------|-------|----|--------|-------|
| 1 | 25 | 28 | 5 | 47, 66 | 6 |
| 2 | 22 | 22 | 6 | 66 | 18 |
| 3 | 37 | 22 | 7 | 77 | 10 |
| 4 | 40 | 15 | | | |

Locator Map
1:200,000



54-052

2015

TIMBER SALE MAP

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

| | | | | | | |
|-----------------------------------|---------------------|---|------------------------|--------------------|-----------|---------|
| Forest Management Unit Atlanta | | County Alpena | Mapped By D. Parris | Date 10/15/2015 | Page 2 | of 2 |
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Cover Type

A = Aspen
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D = Treed Bog
E = Swamp Hdwoods
F = Spruce Fir
G = Grass

H = Hemlock
J = Jack Pine
L = Lowland Brush
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MC = Mixed Conifer
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UM = Upland Mixed
V = Bog or Marsh
W = White Pine
X = Non Stocked
Z = Water


Density

0 = Non Stocked
1 = Seedling Sapling Poor
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3 = Seedling Sapling Well
4 = Pole Timber Poor

5 = Pole Timber Medium
6 = Pole Timber Well
7 = Saw Timber Poor
8 = Saw Timber Medium
9 = Saw Timber Well

Legend

Sale Boundary

-  Against State (Red)
-  Retention Area (Red)
-  Payment Unit
-  Adjacent Stand Boundaries
-  Adjacent Timber Sales
-  Poor Dirt Roads
-  Closed Roads
-  Snowmobile Trails
-  Pipeline; Powerline
-  Section Corners

Vicky Graham Log Jam

Compartment 110

121 Acres



| PU | Stand | Acres | PU | Stand | Acres |
|----|-------|-------|----|--------|-------|
| 1 | 25 | 28 | 5 | 47, 66 | 6 |
| 2 | 22 | 22 | 6 | 66 | 18 |
| 3 | 37 | 22 | 7 | 77 | 10 |
| 4 | 40 | 15 | | | |

Locator Map
1:200,000

