



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7311**

SCHEDULED SALE DATE AND TIME: **2:00 p.m. (local time) on July 8, 2024.**

LOCATION: **GWINN MGMT UNIT, 410 WEST M 35, GWINN, MI 49841.**

CONTACT NAME: Mike Brodeur

PHONE NUMBER: (906) 346-9201

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

Wolf Meadow Muffin Maple (32-020-23) / T44N, R25W, SEC. 5 , SWSW.

T44N, R25W, SEC. 6 , SESE.

T44N, R25W, SEC. 7 , SENW,E1/2NE,NESW,N1/2SE.

T44N, R25W, SEC. 8 , W1/2NW,W1/2SW.

Marquette County, Advertised Price \$50,444.75, 109.5 Acres, Hardwood, Spruce/Fir/Tamarack.

SALE NOTE: 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. Access may be through private or other public land.

TIMBER SALE INFORMATION

Wolf Meadow Muffin Maple (32-020-23)

T44N, R25W, SEC. 5; T44N, R25W, SEC. 6; T44N, R25W, SEC. 7; T44N, R25W, SEC. 8.
Marquette County (Advertised Price \$50,444.75)

SALE NOTE: 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. Access may be through private or other public land.

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 | | |
| Paper Birch | 2.2 MBF | \$ 81.00 / MBF |
| Red Maple | 160.3 MBF | \$ 83.00 / MBF |
| Sugar Maple | 48.6 MBF | \$ 166.00 / MBF |
| Pulpwood | | |
| Balsam Fir | 109 Cords | \$ 12.95 / Cord |
| Mixed Aspen | 21 Cords | \$ 27.25 / Cord |
| Mixed Hardwood | 1,883 Cords | \$ 13.95 / Cord |
| Mixed Spruce | 24 Cords | \$ 13.85 / Cord |
| Red Pine | 5 Cords | \$ 62.00 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 11.16 percent. There are an estimated 2,573 cords on this timber sale, plus or minus 287 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 \$2,522.24 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 | 5.4% |
| 02 | 18.6% |
| 03 | 2.5% |
| 04 | 12.2% |
| 05 | 7.4% |
| 06 | 8.5% |
| 07 | 18.2% |
| 08 | 7.0% |
| 09 | 11.2% |
| 10 | 9.0% |

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 06/30/2027.

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 |
| 203,264 | 2,573 | 11.16% | 2,286 | 2,860 |

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 |
| 1 | 12,627 | 160 | 56.03% | 70 | 249 |
| 2 | 37,917 | 480 | 25.21% | 359 | 601 |
| 3 | 32,220 | 408 | 32.33% | 276 | 540 |
| 4 | 17,272 | 219 | 49.43% | 111 | 327 |
| 5 | 19,411 | 246 | 27.01% | 179 | 312 |
| 6 | 40,942 | 518 | 34.14% | 341 | 695 |
| 7 | 42,875 | 543 | 17.51% | 448 | 638 |
| TOTAL: | 203,264 | 2,573 | | 1,784 | 3,362 |

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 |
|---------------|--------------|----|--------------|
| 1 | 9.0 | 1 | 9.0 |
| 2 | 16.8 | 2 | 16.8 |
| 3 | 16.1 | 3 | 2.7 |
| | | 4 | 13.4 |
| 4 | 6.4 | 5 | 6.4 |
| 5 | 10.6 | 6 | 10.6 |
| 6 | 18.9 | 7 | 18.9 |
| 7 | 31.7 | 8 | 8.2 |
| | | 9 | 13.0 |
| | | 10 | 10.5 |
| TOTAL: | 109.5 | | 109.5 |

DESCRIPTION OF TIMBER BY PU (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|----------------------|----------------------|-------------|-----------|--------------|-------|-----------------|
| 1 | Red Maple | Sawtimber | 8.1 | MBF | 9.0 | \$2,708.45 |
| | Balsam Fir | Pulpwood | 20 | Cords | | |
| | Mixed Aspen | | 13 | Cords | | |
| | <i>Quaking Aspen</i> | | 13 | <i>Cords</i> | | |
| | Mixed Hardwood | | 102 | Cords | | |
| | <i>Red Maple</i> | | 102 | <i>Cords</i> | | |
| 2 | Red Maple | Sawtimber | 43.1 | MBF | 16.8 | \$9,368.50 |
| | Sugar Maple | | 4.1 | MBF | | |
| | Balsam Fir | Pulpwood | 23 | Cords | | |
| | Mixed Hardwood | | 345 | Cords | | |
| | <i>Red Maple</i> | | 342 | <i>Cords</i> | | |
| | <i>Sugar Maple</i> | | 3 | <i>Cords</i> | | |
| 3 | Paper Birch | Sawtimber | 0.4 | MBF | 2.7 | \$1,269.10 |
| | Red Maple | | 3.2 | MBF | | |
| | Sugar Maple | | 0.2 | MBF | | |
| | Balsam Fir | Pulpwood | 2 | Cords | | |
| | Mixed Aspen | | 1 | Cords | | |
| | <i>Quaking Aspen</i> | | 1 | <i>Cords</i> | | |
| | Mixed Hardwood | | 56 | Cords | | |
| | <i>Paper Birch</i> | | 1 | <i>Cords</i> | | |
| | <i>Red Maple</i> | | 53 | <i>Cords</i> | | |
| | <i>Sugar Maple</i> | | 2 | <i>Cords</i> | | |
| | Mixed Spruce | | 3 | Cords | | |
| | <i>White Spruce</i> | | 3 | <i>Cords</i> | | |
| | Red Pine | | 1 | Cords | | |
| | 4 | Paper Birch | Sawtimber | 1.8 | | |
| Red Maple | | | 16.0 | MBF | | |
| Sugar Maple | | | 1.2 | MBF | | |
| Balsam Fir | | Pulpwood | 8 | Cords | | |
| Mixed Aspen | | | 4 | Cords | | |
| <i>Quaking Aspen</i> | | | 4 | <i>Cords</i> | | |
| Mixed Hardwood | | | 276 | Cords | | |
| <i>Paper Birch</i> | | | 3 | <i>Cords</i> | | |
| <i>Red Maple</i> | | | 263 | <i>Cords</i> | | |
| <i>Sugar Maple</i> | | | 10 | <i>Cords</i> | | |
| Mixed Spruce | | | 13 | Cords | | |
| <i>White Spruce</i> | | | 13 | <i>Cords</i> | | |
| Red Pine | | | 4 | Cords | | |
| 5 | | Red Maple | Sawtimber | 17.2 | MBF | 6.4 |
| | Balsam Fir | Pulpwood | 11 | Cords | | |
| | Mixed Hardwood | | 156 | Cords | | |
| | <i>Red Maple</i> | | 150 | <i>Cords</i> | | |
| | <i>Sugar Maple</i> | | 6 | <i>Cords</i> | | |
| | 6 | Red Maple | Sawtimber | 17.2 | MBF | |
| Balsam Fir | | Pulpwood | 11 | Cords | | |
| Mixed Aspen | | | 3 | Cords | | |
| <i>Quaking Aspen</i> | | | 3 | <i>Cords</i> | | |
| Mixed Hardwood | | | 180 | Cords | | |
| <i>Red Maple</i> | | | 180 | <i>Cords</i> | | |
| Mixed Spruce | | | 8 | Cords | | |
| <i>White Spruce</i> | | | 8 | <i>Cords</i> | | |
| 7 | Red Maple | Sawtimber | 34.1 | MBF | 18.9 | \$9,185.80 |
| | Sugar Maple | | 4.3 | MBF | | |
| | Balsam Fir | Pulpwood | 22 | Cords | | |
| | Mixed Hardwood | | 384 | Cords | | |

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

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|---------|--|---------------------------|-------------------------------------|--|-------|-----------------|
| 7 con't | <i>Red Maple</i> <i>Sugar Maple</i> | <i>Pulpwood</i> | 315 69 | <i>Cords</i> <i>Cords</i> | | |
| 8 | Red Maple Sugar Maple Balsam Fir Mixed Hardwood <i>Red Maple</i> <i>Sugar Maple</i> | Sawtimber Pulpwood | 5.5 10.0 3 99 51 48 | MBF MBF Cords Cords <i>Cords</i> <i>Cords</i> | 8.2 | \$3,536.40 |
| 9 | Red Maple Sugar Maple Balsam Fir Mixed Hardwood <i>Red Maple</i> <i>Sugar Maple</i> | Sawtimber Pulpwood | 8.8 15.9 5 158 81 77 | MBF MBF Cords Cords <i>Cords</i> <i>Cords</i> | 13.0 | \$5,638.65 |
| 10 | Red Maple Sugar Maple Balsam Fir Mixed Hardwood <i>Red Maple</i> <i>Sugar Maple</i> | Sawtimber Pulpwood | 7.1 12.9 4 127 65 62 | MBF MBF Cords Cords <i>Cords</i> <i>Cords</i> | 10.5 | \$4,554.15 |
| TOTAL: | | | 211.1 | MBF | | |
| TOTAL: | | | 2,042 | Cords | | |

Sale Specific Conditions & Requirements

Sale Name: Wolf Meadow Muffin Maple

Sale Number: 32-020-23 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 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

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

Within Payment Unit(s) 1, cut all trees that are two (2) inches or more at DBH, except do not cut Hemlock, Cedar, White Pine, Oak, Sugar Maple, Black Cherry, and Yellow Birch. Within Payment Unit(s) 2 & 5, cut all trees that are two (2) inches or more at DBH, except do not cut Hemlock, Cedar, White Pine, and Red Pine. Within Payment Unit(s) 3, 4, & 7, cut all trees that are two (2) inches or more at DBH, except do not cut Hemlock, Cedar, White Pine, Yellow Birch and Black Cherry. Within Payment Unit(s) 6, cut all trees that are two (2) inches or more at DBH, except do not cut Hemlock, Cedar, White Pine, Yellow Birch and any trees marked in green paint.

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

Within Payment Unit(s) 8-10, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

3 - Payments

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.

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.

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 scattered, and not left in windrows, and kept a minimum of 10 feet back from the road edge.

4.1.4 - Timber removed for construction (3/23)

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 contract prices or average prices, if not on the contract.

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. Contact the sale administrator for specific details of design and placement.

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

The following road work is required: 150 cubic yards of gravel will be spread in holes on state forest land. Contact the sale administrator for specifics on where to put the gravel.

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. Contact the sale administrator regarding the availability of onsite sand or gravel from adjacent State-owned lands.

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.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference between the Purchaser and sale administrator is required prior to beginning any operations. The Unit Manager or his/her representative must be contacted at least 3 business days in advance to schedule the conference.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, the Sale Area shall be left with slash evenly distributed. Bunched tops within the cutting area shall be broken up and scattered. Stumps shall be cut low to the ground. Processing sites shall not be left with a compacted layer of slash; tops from these sites shall be hauled back into the cut area and scattered.

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) 8-10, 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.

5.2.32 - 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.

5.2.37 - No decking areas (12/08)

No decking is allowed within 50 feet of Marquette County Road 557 without permission of the County.

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.

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 Marquette County Road 557 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

7.5 - Loss

7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from spruce budworm. The Purchaser should harvest the wood as soon as possible. The Department of Natural Resources is held free of responsibility of any further damage or deterioration due to delay in harvesting.



TIMBER SALE MAP

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

| | | | | | | |
|---|--------------|---|-----------------------------|--------------------|-----------|---------|
| Forest Management Unit Gwinn Management Unit | | County Marquette | Mapped By Pete Holodnick | Date 09/05/2023 | Page 1 | of 1 |
| Township 44N | Range 25W | Section(s) and Subdivision(s) Sections 5,6,7 and 8 | | Scale 1:15,840 | | |

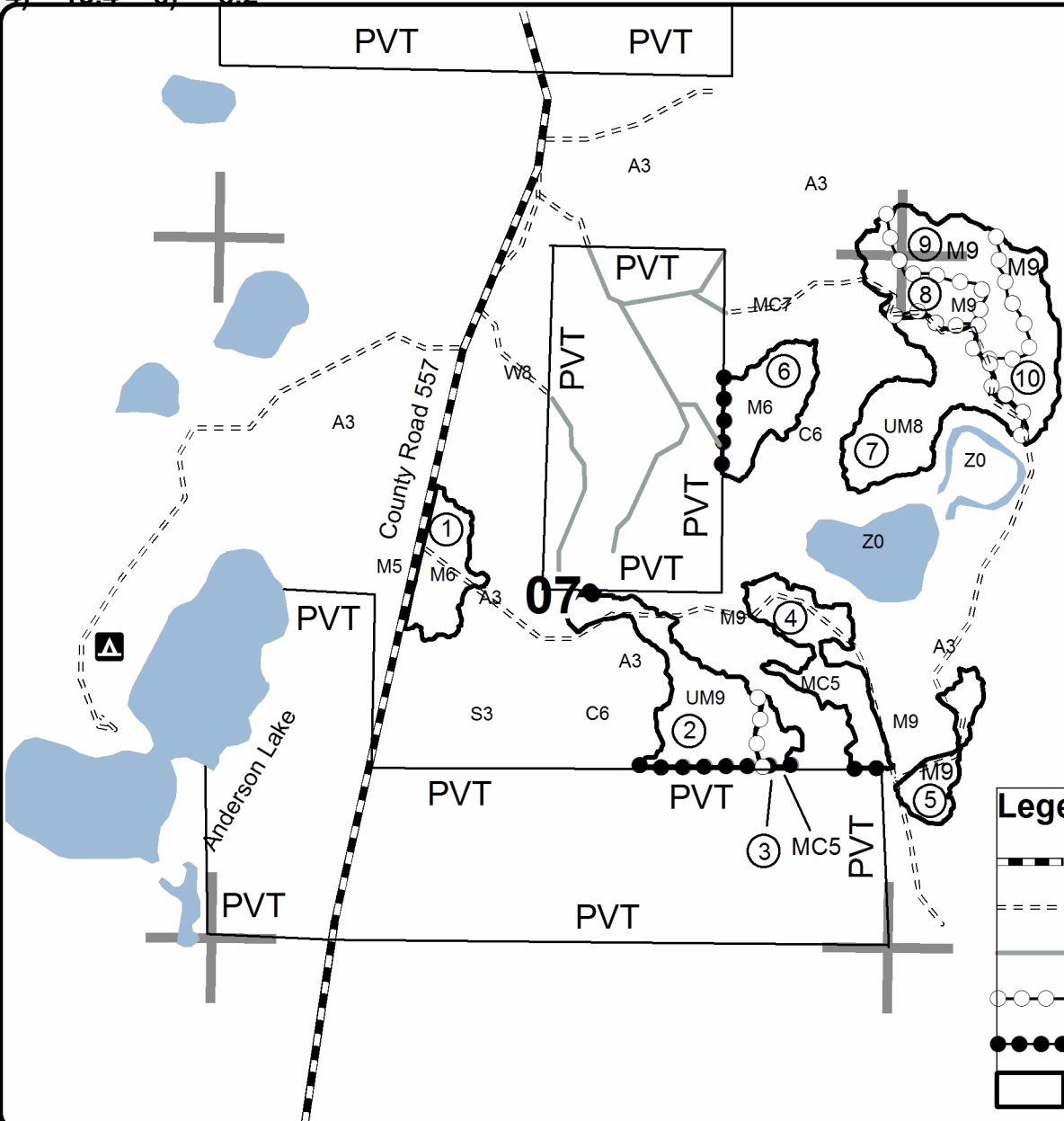
| Cover Type | | | | Density | | | |
|-------------------|----------------------|-------------------------|-------------------|-----------------------------|------------------------|--|--|
| A = Aspen | H = Hemlock | N = Marsh | U = Upland Brush | 0 = Non Stocked | 5 = Pole Timber Medium | | |
| B = 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) | 9 | 5) | 6.4 | 9) | 13 |
| 2) | 16.8 | 6) | 10.6 | 10) | 10.5 |
| 3) | 2.7 | 7) | 18.9 | | |
| 4) | 13.4 | 8) | 8.2 | | |

Wolf Meadow Muffin Maple

Compartment 42

109.5 Acres



| Legend | |
|--------|------------------------|
| | County Road 557 |
| | Poor Dirt Road (State) |
| | Private Road |
| | Payment Unit (Yellow) |
| | Private (Blue) |
| | Against State (Red) |

