



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7225**

SCHEDULED SALE DATE AND TIME: 3:00 p.m. (local time) on August 24, 2023.

LOCATION: NEWBERRY MGMT UNIT, PO BOX 428, 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:

Savage Creek Hardwoods (42-026-22) / T47N, R08W, SEC. 4 , SW,SWSE.

T47N, R08W, SEC. 5 , SESW,NESE,S1/2SE.

Luce County, Advertised Price \$77,342.40, 137.9 Acres, Hardwood, Spruce/Fir/Tamarack.

SALE NOTE: It is recommended, within Payment Unit(s) #'s 1-7, harvesting occur during dry summer or frozen winter conditions because of the rolling topography, clay soils and lowlands.

Some roads or skid trails may require extra protection such as that afforded by timber mats , interlocking composite mats, or another approved system. See Sale Spec 5.2.17 for details.

The snowmobile trail is shown on the Timber Sale Map. See Sale Spec 5.2.41 for restrictions.

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

Savage Creek Hardwoods (42-026-22)
T47N, R08W, SEC. 4; T47N, R08W, SEC. 5.
Luce County (Advertised Price \$77,342.40)

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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. 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 | | |
| Red Maple | 289.2 MBF | \$ 94.00 / MBF |
| Sugar Maple | 64.3 MBF | \$ 297.00 / MBF |
| Pulpwood | | |
| Balsam Fir | 293 Cords | \$ 11.60 / Cord |
| Mixed Hardwood | 1,680 Cords | \$ 14.65 / Cord |
| N. White Cedar | 65 Cords | \$ 6.15 / Cord |
| Quaking Aspen | 13 Cords | \$ 25.65 / Cord |
| White Spruce | 226 Cords | \$ 10.25 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 12.72 percent. There are an estimated 3,192 cords on this timber sale, plus or minus 406 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 \$3,867.12 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 | 18.1% |
| 02 | 13.4% |
| 03 | 16.4% |
| 04 | 23.7% |
| 05 | 8.5% |
| 06 | 4.4% |
| 07 | 15.5% |
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

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 |
| 252,201 | 3,192 | 12.72% | 2,786 | 3,599 |

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 |
| 22 | 50,848 | 644 | 20.33% | 513 | 775 |
| 25 | 39,704 | 503 | 26.89% | 367 | 638 |
| 27 | 98,881 | 1,252 | 20.85% | 991 | 1,513 |
| 29 | 43,409 | 549 | 24.04% | 417 | 682 |
| 30 | 19,359 | 245 | 69.46% | 75 | 415 |
| TOTAL: | 252,201 | 3,192 | | 2,363 | 4,022 |

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 |
|---------------|--------------|----|--------------|
| 22 | 23.5 | 1 | 23.5 |
| 25 | 19.8 | 2 | 19.8 |
| 27 | 44.6 | 3 | 18.3 |
| | | 4 | 26.3 |
| 29 | 35.6 | 5 | 12.6 |
| | | 7 | 23.0 |
| 30 | 14.4 | 6 | 14.4 |
| TOTAL: | 137.9 | | 137.9 |

DESCRIPTION OF TIMBER BY PU (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|--------|----------------|-----------|----------|-------|-------|-----------------|
| 1 | Red Maple | Sawtimber | 91.9 | MBF | 23.5 | \$13,995.30 |
| | Balsam Fir | Pulpwood | 91 | Cords | | |
| | Mixed Hardwood | | 233 | Cords | | |
| | Red Maple | | 233 | Cords | | |
| | N. White Cedar | | 56 | Cords | | |
| | White Spruce | | 53 | Cords | | |
| | | | | | | |
| 2 | Red Maple | Sawtimber | 66.6 | MBF | 19.8 | \$10,389.20 |
| | Balsam Fir | Pulpwood | 90 | Cords | | |
| | Mixed Hardwood | | 183 | Cords | | |
| | Red Maple | | 176 | Cords | | |
| | Sugar Maple | | 7 | Cords | | |
| | N. White Cedar | | 9 | Cords | | |
| | White Spruce | | 34 | Cords | | |
| 3 | Red Maple | Sawtimber | 38.9 | MBF | 18.3 | \$12,667.00 |
| | Sugar Maple | | 12.0 | MBF | | |
| | Balsam Fir | Pulpwood | 3 | Cords | | |
| | Mixed Hardwood | | 354 | Cords | | |
| | Yellow Birch | Sawtimber | 2.2 | MBF | | |
| | Red Maple | Pulpwood | 255 | Cords | | |
| | Sugar Maple | | 92 | Cords | | |
| | Yellow Birch | | 3 | Cords | | |
| | White Spruce | | 22 | Cords | | |
| 4 | Red Maple | Sawtimber | 55.9 | MBF | 26.3 | \$18,264.85 |
| | Sugar Maple | | 17.3 | MBF | | |
| | Balsam Fir | Pulpwood | 5 | Cords | | |
| | Mixed Hardwood | | 511 | Cords | | |
| | Yellow Birch | Sawtimber | 3.2 | MBF | | |
| | Red Maple | Pulpwood | 367 | Cords | | |
| | Sugar Maple | | 133 | Cords | | |
| | Yellow Birch | | 5 | Cords | | |
| | White Spruce | | 32 | Cords | | |
| 5 | Red Maple | Sawtimber | 12.0 | MBF | 12.6 | \$6,611.95 |
| | Sugar Maple | | 11.9 | MBF | | |
| | Balsam Fir | Pulpwood | 2 | Cords | | |
| | Mixed Hardwood | | 128 | Cords | | |
| | Red Maple | | 54 | Cords | | |
| | Sugar Maple | | 74 | Cords | | |
| | White Spruce | | 5 | Cords | | |
| 6 | Red Maple | Sawtimber | 2.0 | MBF | 14.4 | \$3,376.60 |
| | Sugar Maple | | 1.5 | MBF | | |
| | Balsam Fir | Pulpwood | 97 | Cords | | |
| | Mixed Hardwood | | 38 | Cords | | |
| | Red Maple | | 17 | Cords | | |
| | Sugar Maple | | 21 | Cords | | |
| | Quaking Aspen | | 13 | Cords | | |
| | White Spruce | | 71 | Cords | | |
| 7 | Red Maple | Sawtimber | 21.9 | MBF | 23.0 | \$12,022.85 |
| | Sugar Maple | | 21.6 | MBF | | |
| | Balsam Fir | Pulpwood | 5 | Cords | | |
| | Mixed Hardwood | | 232 | Cords | | |
| | Red Maple | | 98 | Cords | | |
| | Sugar Maple | | 134 | Cords | | |
| | White Spruce | | 9 | Cords | | |
| TOTAL: | | | 353.5 | MBF | | |

| | |
|--------|-------------|
| TOTAL: | 2,276 Cords |
|--------|-------------|

Sale Specific Conditions & Requirements

Sale Name: Savage Creek Hardwoods

Sale Number: 42-026-22 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 property 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. 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) # 6, cut all trees that are two (2) inches or more at DBH.

Leave all cherry if it exists.

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

Within Payment Unit(s) #'s 5 & 7, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

Leave all Cedar.

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

Within Payment Unit(s) #'s 1-4, all trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting except trees marked with green paint above and below stump height.

Within Unit 2 leave all Hemlock unless needed to be harvested for operability.

Within Units 3 & 4 leave all Hemlock, Cedar, and White pine unless needed to be harvested for operability within the stand. Wood will then be decked separate, scaled and Purchaser will pay double the District price.

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.

4 - Transportation

4.1 - Construction

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.

4.1.5 - Culverts (5/14)

Roads may require the installation of culverts for cross drainage or at natural drainage-ways. If culverts are needed in these locations, their placement will be specified by the sale administrator and they shall be installed prior to hauling. The culverts shall be new, corrugated metal or plastic gauge. Culverts will be a minimum of 12 inches in diameter and 24 feet in length. If culverts are removed, fill shall be removed from wetland soils as specified. Soils shall be maintained and left in a non-erodible condition, with water bars, seed, fertilizer, mulch, and slash installed as directed by the sale administrator and as specified in the BMP manual. Stream crossing permits, if needed, will be obtained by the DNR.

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. These roads must be rendered impassable to cars and trucks. 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

4.2.1 - Hauling restriction (12/08)

Hauling may be restricted on forest roads by the Unit Manager or his/her representative. The restriction may occur during spring breakup or during wet weather conditions.

4.2.3 - Road maintenance (8/13)

The following road maintenance is required: Within 30 days of completion of hauling, or if no hauling occurs for 30 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.

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 36 inches in height.

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) #'s 5 and 7, 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.

5.2.17 - 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.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) #'s 1-7, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation is because of the rolling topography, clay soils and lowlands.

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.

5.2.41 - 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 15. 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 15th. 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 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 Charcoal Grade 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 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 DNR will provide these signs.



TIMBER SALE MAP

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

Sale Number 42-026 Year 22

| | | | | | |
|------------------------|--------|--------------|-----------|------|----|
| Forest Management Unit | County | Mapped By | Date | Page | of |
| Newberry | Luce | L. Livermore | 8/30/2022 | 1 | 1 |

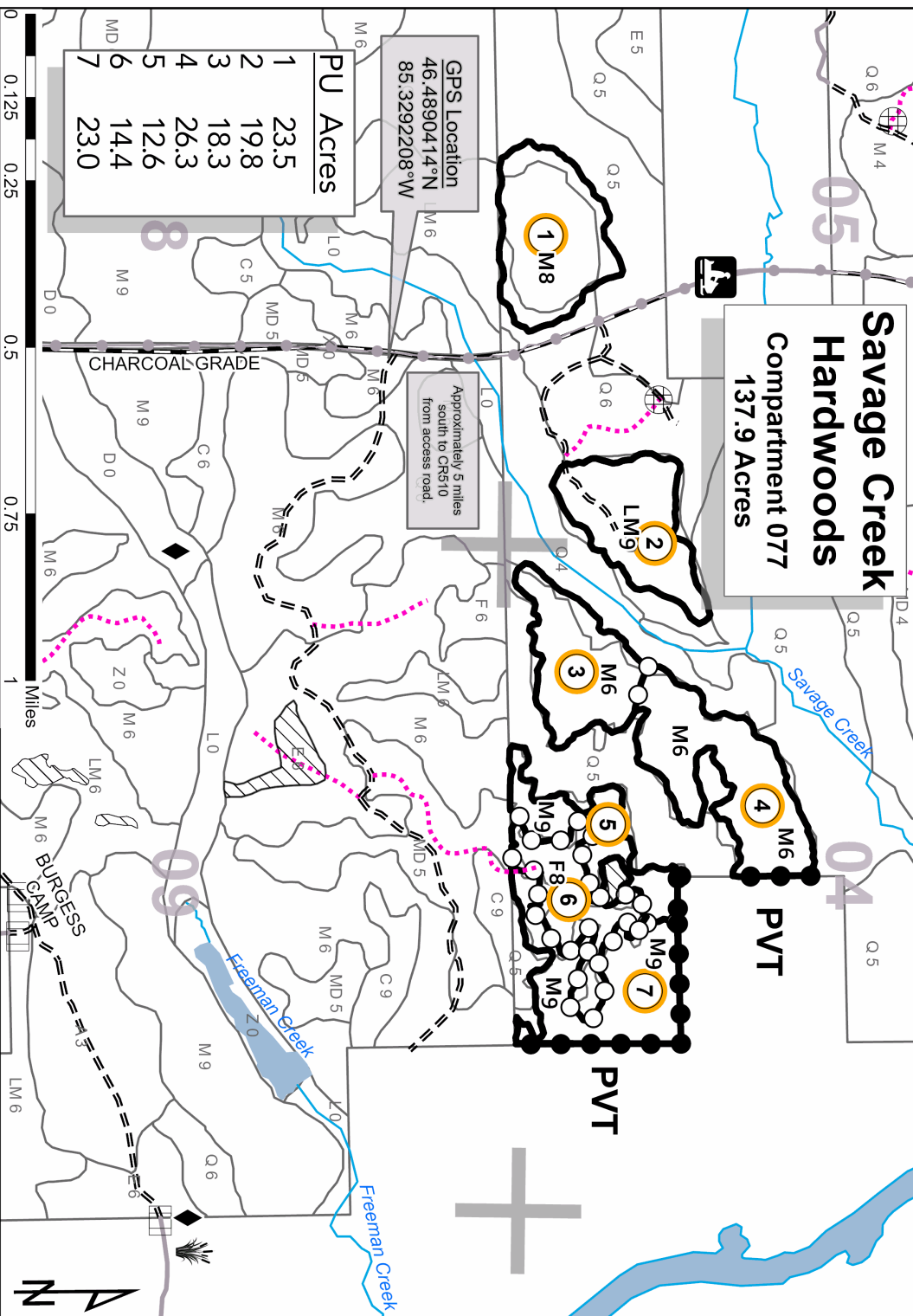
| | | | |
|----------|-------|-----------------------------------------------------|----------|
| Township | Range | Section(s) and Subdivisions(s) | Scale |
| 47N | 08W | Section 04: SW, SWSE Section 05: SESW, NESE, S1/2SE | 1:15,840 |

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 = Tired Bog | LM = Lowland Mixed | M = Mixed Swamp Conifer | W = White Pine |
| E = Swamp Hardwoods | MC = Mixed Conifer | R = Red Pine | X = Non Stocked |
| F = Spruce Fir | MD = Mixed Deciduous | S = Black Spruce | Z = Water |
| G = Grass | | T = Tamarack | |

Density

| | |
|----------------------------|------------------------|
| 0 = Non Stocked | 5 = Pole Timber Medium |
| 1 = Seeding Sapling Poor | 6 = Pole Timber Well |
| 2 = Seeding Sapling Medium | 7 = Saw Timber Poor |
| 3 = Seeding Sapling Well | 8 = Saw Timber Medium |
| 4 = Pole Timber Poor | 9 = Saw Timber Well |



- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Payment Unit Label
- Snowmobile Trails
- Recreational Trail
- Section Numbers
- Section Corners
- Survey Corners
- Field Grade Corners
- Gate
- Burns
- Perennial River
- Lakes and Rivers
- Retention Area
- Highway
- Primary Forest Road
- Secondary Forest Road
- Forest Access Route
- Paved Road
- Gravel Road
- County Road - Seasonal
- Private
- Temporary Management Access
- Nearby Timber Sale

Locator Map: 1:200,000
- Main Map Extent

