



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6902

SCHEDULED SALE DATE AND TIME: 11:00 a.m. (local time) on August 18, 2021.

LOCATION: SW REGION-WILD, 621 NORTH 10TH STREET, PLAINWELL, MI 49080.

CONTACT NAME: Cynthia McQueer

PHONE NUMBER: (269) 767-1022

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 Game Area Manager, PARIS FIELD OFFICE, for certain timber on the following described lands:

Pentwater Pathway (68-001-21) / T16N, R18W, SEC. 25, SWNW,W1/2SW.

Oceana County, Advertised Price \$50,265.10, 32.1 Acres, Aspen, Hardwood.

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 other public land.

TIMBER SALE INFORMATION

Pentwater Pathway (68-001-21)

T16N, R18W, SEC. 25.

Oceana County (Advertised Price \$50,265.10)

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 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 | | |
| B. T. Aspen | 131.8 MBF | \$ 76.00 / MBF |
| Red Maple | 21.5 MBF | \$ 73.00 / MBF |
| Red Oak | 137.7 MBF | \$ 164.00 / MBF |
| Red Pine | 35.0 MBF | \$ 87.00 / MBF |
| White Oak | 98.4 MBF | \$ 57.00 / MBF |
| Pulpwood | | |
| B. T. Aspen | 112 Cords | \$ 12.70 / Cord |
| Mixed Oak | 299 Cords | \$ 11.95 / Cord |
| Red Maple | 185 Cords | \$ 9.55 / Cord |
| Red Pine | 20 Cords | \$ 34.00 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 9.08 percent. There are an estimated 1,693 cords on this timber sale, plus or minus 154 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 \$2,513.26 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 remainder is due before cutting begins.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

| PAYMENT UNIT NUMBER | PERCENT OF TOTAL SALE VALUE |
|---------------------|-----------------------------|
| 01 | 100.0% |
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/01/2023.

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 |
| 133,759 | 1,693 | 9.08% | 1,539 | 1,847 |

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.

| VDU | VOLUME | | PERCENT ERROR | RANGE IN CORDS | |
|---------------|------------------|--------------|---------------|----------------|--------------|
| | TOTAL CUBIC FEET | TOTAL CORDS | | MINIMUM | MAXIMUM |
| 1 | 52,409 | 663 | 13.73% | 572 | 754 |
| 2 | 64,377 | 815 | 12.13% | 716 | 914 |
| TOTAL: | 116,786 | 1,478 | | 1,288 | 1,668 |

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 | 13.7 | 1 | 13.7 |
| 2 | 18.4 | 1 | 18.4 |
| TOTAL: | 32.1 | | 32.1 |

DESCRIPTION OF TIMBER BY PU (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|---------------|------------------|-----------|----------|--------------|-------|-----------------|
| 1 | B. T. Aspen | Sawtimber | 131.8 | MBF | 32.1 | \$50,265.10 |
| | Red Maple | | 21.5 | MBF | | |
| | Red Oak | | 137.7 | MBF | | |
| | Red Pine | | 35.0 | MBF | | |
| | White Oak | | 98.4 | MBF | | |
| | B. T. Aspen | Pulpwood | 112 | Cords | | |
| | Mixed Oak | | 299 | Cords | | |
| | <i>Red Oak</i> | | 132 | <i>Cords</i> | | |
| | <i>White Oak</i> | | 167 | <i>Cords</i> | | |
| | Red Maple | | 185 | Cords | | |
| | Red Pine | | 20 | Cords | | |
| TOTAL: | | | 424.4 | MBF | | |
| TOTAL: | | | 616 | Cords | | |

Sale Specific Conditions & Requirements

Sale Name: Pentwater Pathway

Sale Number: 68-001-21 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary is marked and identified by red 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) , cut all trees that are two (2) inches or more at DBH, except white pine, hemlock, cedar, beech, and any trees marked with green paint. Do not cut white pine, hemlock, cedar, beech, and any trees marked with green paint.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches at DBH and 4 inches for trees smaller than 10 inches at DBH. A written waiver of this requirement may be obtained if wet summer weather makes winter logging necessary.

4 - Transportation

4.1 - Construction

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. All new roads built into the sale must be blocked to vehicle traffic within 30 days of completion of hauling. 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. 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. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the sale administrator for specific details of design and placement.

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

The following road work may be needed. 60th Avenue and 52 Avenue (Also called Railroad Rd) are seasonal roads with low, high, and narrow spots that may need work to get equipment in depending which route is taken.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale conference (10/16)

A pre-sale conference on site between the Purchaser and sale administrator is required prior to beginning any operations to determine landing and road locations.

5.2 - Conduct of Operations

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

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) , unless changed by written agreement, cutting, skidding, and hauling are limited to the period of 12/01 to 03/15. This restriction is because of aspen regeneration.

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) leave one, 12" diameter or larger log-length (8 foot minimum) piece on the ground for every acre and 3 - 6 large tops per acre. These logs and tops will be evenly scattered throughout the Payment Unit, preferably at least two chains from any roads, two-tracks, or trails.

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 Pentwater Pathway is a hiking and ski 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.

5.4 - 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.

5.8 - 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.

7 - Other Conditions

7.10 - Certified Timber

7.10.1 - Non-certified timber (2/16)

The area encompassed by this timber sale is not certified to the standards of the Forest Stewardship Council (FSC) or the Sustainable Forestry Initiative (SFI). Forest products from this sale may not be delivered to the mill as "FSC and / or SFI certified". The lands within this sale are managed as a State Game Area.



TIMBER SALE MAP

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

| | |
|-------------|------|
| Sale Number | Year |
| 68-001 | 21 |

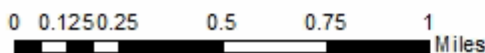
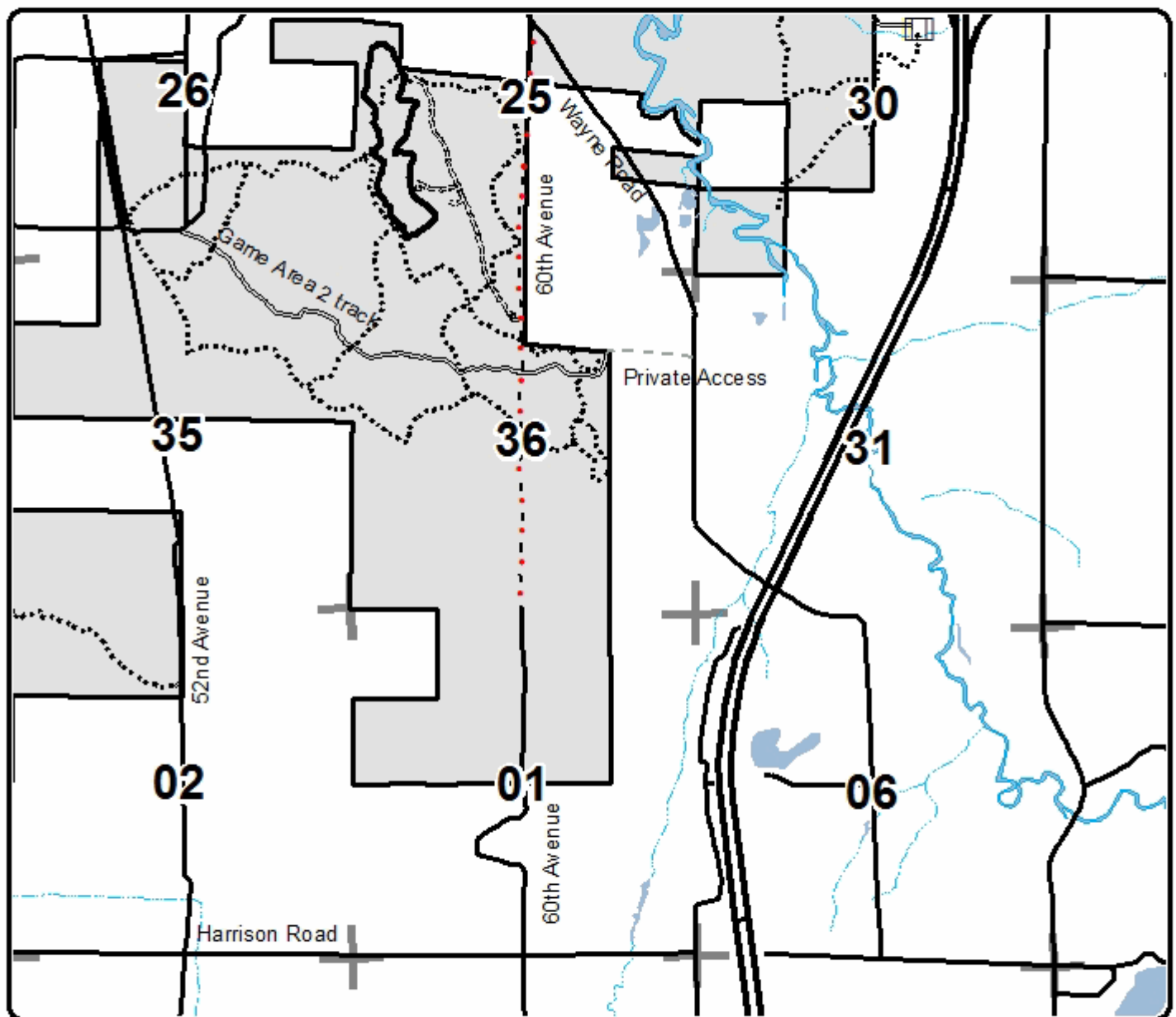
| | | | | | |
|---------------------------------|--------|------------|------------|------|----|
| Forest Management Unit | County | Mapped By | Date | Page | of |
| Pentwater River State Game Area | Oceana | J. Bramer | 06/14/2021 | 2 | 2 |
| | | Cruised By | | | |
| | | J. Bramer | | | |

| | | | |
|----------|-------|-------------------------------|----------|
| Township | Range | Section(s) and Subdivision(s) | Scale |
| 16N | 18W | Sections 25 | 1:29,278 |

| Cover Type | | | | Density | |
|--------------------|----------------------|-------------------------|-------------------|-----------------------------|------------------------|
| A = Aspen | H = Hemlock | N = Marsh | U = Upland Brush | 0 = Non Stocked | 5 = Pole Timber Medium |
| D = 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 Hemlocks | M = Mpl. Dec. Birch | 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 | | | |

Pentwater Pathway

32.1 Acres
Compartment 2





TIMBER SALE MAP

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

| | |
|-------------|------|
| Sale Number | Year |
| 68-001 | 21 |

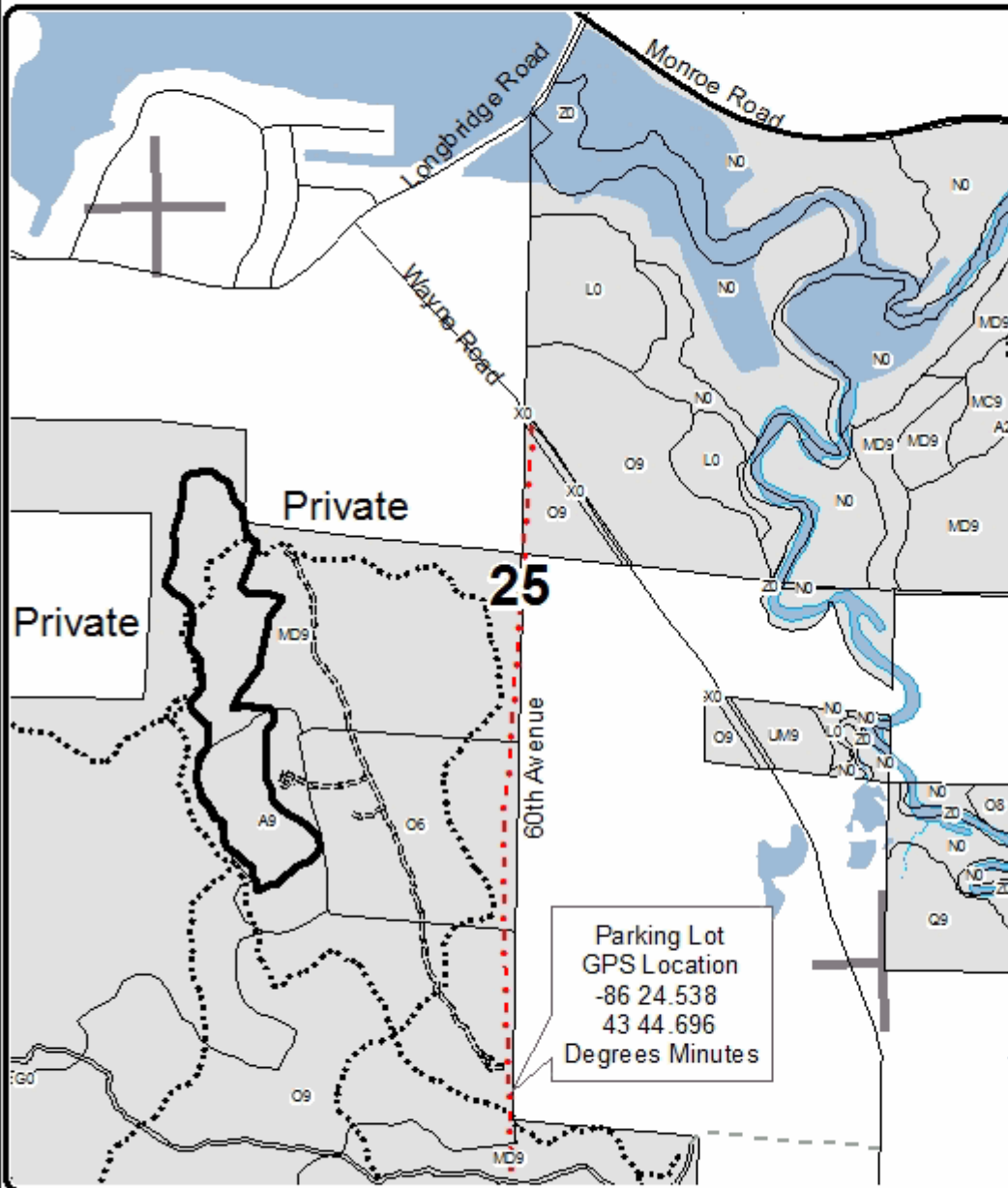
| | | | | | |
|---------------------------------|--------|------------|------------|------|----|
| Forest Management Unit | County | Mapped By | Date | Page | of |
| Pentwater River State Game Area | Oceana | J. Bramer | 06/14/2021 | 1 | 2 |
| | | Cruised By | | | |
| | | J. Bramer | | | |

| | | | |
|----------|-------|-------------------------------|----------|
| Township | Range | Section(s) and Subdivision(s) | Scale |
| 16N | 18W | Sections 25 | 1:15,840 |

| Cover Type | | | | Density | |
|---------------------|----------------------|-------------------------|-------------------|-----------------------------|------------------------|
| A = Aspen | H = Hemlock | N = Marsh | U = Upland Brush | 0 = Non Stocked | 5 = Pole Timber Medium |
| D = 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 = Tread Bog | LM = Lowland Mixed | Q = Mixed Swamp Conifer | W = White Pine | 3 = Seedling Sapling Well | 8 = Saw Timber Medium |
| E = Swamp Hardwoods | M = Mpl. Dec. Birch | 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 | | | |

Pentwater Pathway

32.1 Acres
Compartment 2



Legend

- Timber Sale Area (Red Paint)
- DNR - Secondary Forest Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Stand Boundaries
- Highway
- Timber Sale Access
- Road
- Pathway Trail
- State Game Area



QR code opens map in Avenza App.

