



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #5872

SCHEDULED SALE DATE AND TIME: 9:00 a.m. (local time) on March 23, 2017.

LOCATION: GRAYLING MGMT UNIT, 1955 HARTWICK PINES ROAD, GRAYLING, MI 49738.

CONTACT NAME: Susan Thiel

PHONE NUMBER: (989) 348-6371

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

Lovells KW Sale (72-002-16)

Crawford County, Advertised Price \$148,249.00, 577.1 Acres, Jack Pine, Red Pine.

SALE NOTE: Kirtland Warbler sale with access off Shupac Lake Road from the south and Otsego County Line Road from the north. Snowmobile, Kirtland Warbler and chipping spec have been added to this sale.

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

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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 | | |
| Red Pine | 77.00 MBF | \$ 149.00 / MBF |
| Pulpwood | | |
| Jack Pine | 5,878.00 Cords | \$ 21.65 / Cord |
| Northern Pin Oak | 57.00 Cords | \$ 10.50 / Cord |
| Quaking Aspen | 38.00 Cords | \$ 20.20 / Cord |
| Red Pine | 184.00 Cords | \$ 44.30 / Cord |

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$7,412.45 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 03/31/2019.

Description of Timber by Payment Unit (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|--------|------------------|-----------|----------|-------|-------|-----------------|
| 1 | Red Pine | Sawtimber | 20.7 | MBF | 84.1 | \$26,438.75 |
| | Jack Pine | Pulpwood | 975.0 | Cords | | |
| | Northern Pin Oak | | 9.0 | Cords | | |
| | Quaking Aspen | | 10.0 | Cords | | |
| | Red Pine | | 44.0 | Cords | | |
| 2 | Red Pine | Sawtimber | 37.3 | MBF | 96.7 | \$32,372.90 |
| | Jack Pine | Pulpwood | 976.0 | Cords | | |
| | Northern Pin Oak | | 17.0 | Cords | | |
| | Quaking Aspen | | 16.0 | Cords | | |
| | Red Pine | | 117.0 | Cords | | |
| 3 | Red Pine | Sawtimber | 2.1 | MBF | 77.9 | \$19,409.25 |
| | Jack Pine | Pulpwood | 873.0 | Cords | | |
| | Northern Pin Oak | | 6.0 | Cords | | |
| | Red Pine | | 3.0 | Cords | | |
| 4 | Red Pine | Sawtimber | 5.4 | MBF | 61.6 | \$14,636.55 |
| | Jack Pine | Pulpwood | 619.0 | Cords | | |
| | Northern Pin Oak | | 8.0 | Cords | | |
| | Quaking Aspen | | 4.0 | Cords | | |
| | Red Pine | | 6.0 | Cords | | |
| 5 | Red Pine | Sawtimber | 2.1 | MBF | 64.0 | \$14,732.05 |
| | Jack Pine | Pulpwood | 657.0 | Cords | | |
| | Northern Pin Oak | | 4.0 | Cords | | |
| | Quaking Aspen | | 1.0 | Cords | | |
| | Red Pine | | 3.0 | Cords | | |
| 6 | Red Pine | Sawtimber | 7.0 | MBF | 59.0 | \$14,896.50 |
| | Jack Pine | Pulpwood | 614.0 | Cords | | |
| | Northern Pin Oak | | 10.0 | Cords | | |
| | Quaking Aspen | | 5.0 | Cords | | |
| | Red Pine | | 8.0 | Cords | | |
| 7 | Jack Pine | Pulpwood | 556.0 | Cords | 68.1 | \$12,037.40 |
| 8 | Red Pine | Sawtimber | 2.4 | MBF | 65.7 | \$13,725.60 |
| | Jack Pine | Pulpwood | 608.0 | Cords | | |
| | Northern Pin Oak | | 3.0 | Cords | | |
| | Quaking Aspen | | 2.0 | Cords | | |
| | Red Pine | | 3.0 | Cords | | |
| TOTAL: | | | 77.0 | MBF | | |
| TOTAL: | | | 6,157.0 | Cords | | |

Sale Specific Conditions & Requirements

Sale Name: Lovells KW Sale

Sale Number: 72-002-16 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 and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. Retention areas are delineated by Green paint. Cut and utilize red painted boundary line trees that meet the 2.1.1 Included Timber definition and that are not within a retention area. 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) 1 - 8, cut all trees that are two (2) inches or more at DBH except do not cut any green trees and keep equipment out of retention areas. In addition, within stand 19 (see Timber Sale Map), do not cut any red pine greater than 18" DBH.

2.2 - Utilization

2.2.2 - Chipping required (5/14)

This area must be chip harvested to facilitate subsequent planting operations and to meet Kirtland's warbler habitat requirements. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped and hauled. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter does not apply (G. C. & R. 2.2). This is because this will be replanted jack pine for KW habitat.

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area 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.

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.

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 chipped, utilized or otherwise dispersed throughout the sale.

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 chipped or utilized. 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. Stumps and brush must be placed along the remainder of the trail. Contact the sale administrator for specific details of design and placement.

4.1.11 - Permits (2/12)

The Purchaser will secure any necessary permits that may be required.

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 to determine landing and road locations. The Unit Manager or his/her representative must be contacted at least 5 days in advance to schedule the conference.

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

The Purchaser is responsible for contacting the gas or pipeline company prior to operating equipment in the vicinity of well heads or natural gas pipelines. Contact Muskegon Development Company at (989) 772-4900. Written permission is required before harvest operations begin and must be submitted to the Unit Manager.

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.

5.2 - 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.

5.2.2 - 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.

5.2.38 - 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)

Snowmobile trail 4 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. 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 1st. Permission must be obtained in writing from the Unit Manager or his/her representative to use the trail road for hauling during the snowmobile season, then a snow covered base must be left on the trail. The snowmobile trail may not be used for any timber sale operations from December 1 to March 31, without written permission. 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 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

5.8.1 - Kirtland's warbler (1) (10/12)

This sale is adjacent to a young jack pine stand which may be used by the endangered Kirtland's Warbler. The Department reserves the right to temporarily restrict all harvesting operations in a buffer zone of up to 500 feet if it is determined that Warbler territory has been established in the adjacent stand. The restricted period, if put into effect, would apply from May 1st to August 15th.

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 Shupac Lake Road and Otsego County Line 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.

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 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

7.2 - Extensions

7.2.2 - No extensions (3/09)

There will be no extensions granted on this contract. The purpose of this sale is to create habitat for the endangered Kirtland's Warbler. This sale is already scheduled for planting. All units must be harvested and all wood products removed by sale expiration.

**TIMBER SALE MAP**

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

| Sale Number | Year |
|-------------|------|
| 72-002 | 16 |

| | | | | | |
|------------------------------------|--------------------|--|--------------------|-----------|---------|
| Forest Management Unit Grayling | County Crawford | Mapped By Barnes | Date 08/24/2016 | Page 1 | of 1 |
| Township 28N | Range 01W | Section(s) and Subdivision(s) Sec 5; Sec 6 - E1/4; Sec 8 - N1/4 | 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

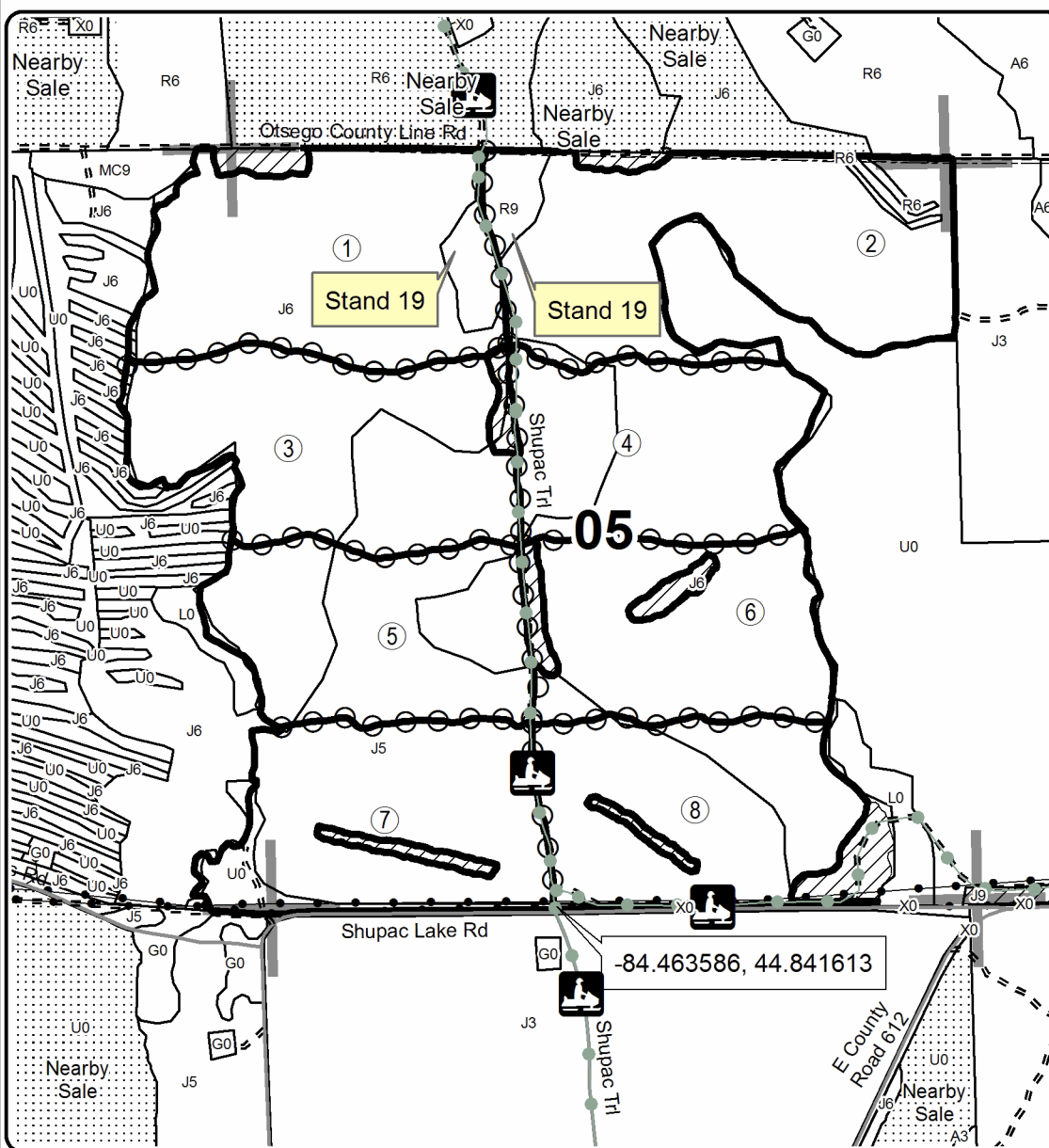
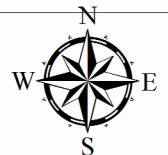
| | |
|-----------------------------|------------------------|
| 0 = Non Stocked | 5 = Pole Timber Medium |
| 1 = Seedling Sapling Poor | 6 = Pole Timber Well |
| 2 = Seedling Sapling Medium | 7 = Saw Timber Poor |
| 3 = Seedling Sapling Well | 8 = Saw Timber Medium |
| 4 = Pole Timber Poor | 9 = Saw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

| PU | Acres | PU | Acres |
|----|-------|----|-------|
| 1 | 84.1 | 5 | 64.0 |
| 2 | 96.7 | 6 | 59.0 |
| 3 | 77.9 | 7 | 68.1 |
| 4 | 61.6 | 8 | 65.7 |

Lovells KW Sale

Compartment 270

577.1 Acres

**Legend**

- Against State (Red)
- Payment Unit (Yellow)
- PU_Label
- Nearby Timber Sale
- Section Corners
- ▨ Retention Area (Green)
- ▭ Stand Boundaries
- Paved Roads
- == Poor Dirt Roads
- Pipeline; Powerline
- Recreational Trail

Locator Map
1:200,000

