



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #5879

SCHEDULED SALE DATE AND TIME: 11:00 a.m. (local time) on March 15, 2017.

LOCATION: GLADWIN MGMT UNIT, 801 N SILVERLEAF, GLADWIN, MI 48624.

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

Cruising Dog Aspen (73-010-16)

Midland County, Advertised Price \$200,534.45, 445.9 Acres, Aspen, Hardwood.

SALE NOTE: Seasonal cutting restrictions apply to all units of the sale. Installation of culverts required.

Cara del Rastro Aspen (73-011-16)

Arenac County, Advertised Price \$186,437.75, 266.0 Acres, Aspen, Hardwood.

SALE NOTE: See sale map for available salvage unit. Unit 10 (stand 389) is available through contract amendment. Within this unit ash and aspen may be salvaged. The boundaries are identified on the ground and the timber sale map. If this unit is purchased both the ash and aspen will be scaled as cord wood on site. Ash will be priced at \$2.00 per cord and aspen will be priced at the purchase price for aspen pulpwood.

BID INSTRUCTIONS (VER. 09/02/2016):

1. Scheduled Bid Location, Date, and Time (2/11)

Bids must be received by the Unit Manager, GLADWIN OFFICE, 801 N SILVERLEAF, GLADWIN, MI 48624, no later than 11:00 a.m. (local time) on March 15, 2017. For further information concerning this sale, contact PATRICK MOHNEY at 989-426-9205 extension 7640.

2. Bidder's Qualifications (5/16)

Purchaser shall obtain workers compensation insurance to cover claims under Michigan's Worker's Disability Compensation Act of 1969 or similar employee benefit act of any other state applicable to an employee. If all or part of a timber sale was prepared by a private contractor, the contractor and that contractor's company are not permitted to bid on the timber sale contract. Bids will not be accepted from individuals or companies appearing on the DNR/FRD No-Bid List. This list contains the names of purchasers who previously failed to execute a contract within 21-days or who have a history of poor performance.

3. Preparation of Sealed Bids (5/16)

Bid Forms may be completed online thru Michigan DNR Timber Sale Online Bidding (OLB) at www.michigan.gov/timberbidding or by completing the hardcopy Bid Form found in the Timber Sale Prospectus. Hardcopy Bid Forms shall be manually signed in ink. Registration in OLB is considered your 'signature' for all bids submitted thru that system. Bid prices must be entered for each species and product in the Bid Price column for all material subject to bidding and all fill-in blanks must be completed. If erasures or other changes appear on the hardcopy Bid Form, each erasure or change must be initialed by the person signing the bid.

4. Submission of Sealed Bids (5/16)

Bid forms may be obtained from the Unit Manager or thru OLB. Bids may be submitted hardcopy or thru OLB. All hardcopy bids must be submitted on the bid form and in an envelope clearly identified as described in this section. NOTE: Only one bid form per bid envelope. Sealed bids must be submitted to the Unit office designated in the prospectus and must be submitted at or prior to the time established in the prospectus. The envelope should show on the outside (a) the sale name or number and (b) the date and time of bid opening, as shown in the prospectus. Bids received after the time specified in the sale prospectus are late bids and will be rejected.

It is possible for a bidder to submit multiple bids on a single sale. For example, a bid may be submitted hardcopy and a bid may be submitted thru OLB. Or, two bidders from the same company could both submit bids on the same sale. If this were to happen, the State would accept all bids received and award the contract accordingly. All bidding and contractual requirements would apply to all bids received.

5. Public Opening of Sealed Bids (7/16)

If conditions permit, the sealed bids will be publicly opened and posted at the time and place set in the prospectus.

If a bidder, present at a bid opening, has submitted bids on more than one sale, that bidder may withdraw their unopened bid envelopes or announce the withdrawal of their online bid after being declared the successful bidder on one sale.

6. Award of Contract (1/11)

Award of the contract will be made to the Bidder whose bid, conforming to the prospectus, is most advantageous to the State of Michigan on the basis of total value at rates bid for the estimated quantities. The State reserves the right to reject any bid or waive any minor irregularity in bids received. A written award mailed (or otherwise furnished) to the successful Bidder shall be deemed to result in a binding contract without further action by either party.

7. Down Payment (1/11)

The Bidder to whom award is made must make a down payment within 21 days of the sale award. The amount of the down payment will be calculated as shown in the Bond and Payment Schedule of this prospectus. Only cash may be used to meet this requirement.

8. Performance Security (1/11)

As guarantee of faithful performance, a cash bond, certificate of deposit, surety bond or irrevocable letter of credit (LOC) is required within 21 days of the sale award. The amount of the performance security is shown in the Bond and

Payment Schedule of this prospectus. If an LOC or surety is used, the coverage must extend for at least 6 months beyond the contract expiration.

9. Timber Sale Contract (9/14)

Additional conditions and requirements common to all timber sales are listed on the timber sale contract (R4031) and are available on line at www.michigan.gov/timber. Contact the Unit Manager for additional information or a sample contract. Within 21 days of the date of the award letter, the bidder must sign the contract and provide the required down payment, performance security, and verification of worker's disability compensation. The down payment and performance security shall be in accordance with the provisions of the timber sale contract, in the sums stated in this prospectus. If these actions are not taken, then the Bidder, the Bidder's corporation, and the corporation's principals may not be permitted to bid on State timber sales for a period of 1 year. In addition, the Bidder certifies that if awarded this contract, the Bidder will complete the timber sale contract in accordance with its terms and any modifications thereof including requirements to purchase, cut, and remove the included timber by the expiration date.

10. Disclaimer of Estimates and Bidder's Warranty of Inspection (7/16)

Before submitting this bid, the Bidder is advised and cautioned to inspect the sale area, review the requirements of the sale contract, and take other steps as may be reasonably necessary to ascertain the location, estimated volumes, construction estimates, and operating costs of the proposed sale. Failure to do so will not relieve the Bidder from responsibility for completing the contract.

The Bidder warrants that this bid is submitted solely on the basis of the Bidder's examination and inspection of the quality and quantity of the timber offered for sale and the Bidder's opinion of the value thereof and the costs of recovery. No reliance should be placed on the State of Michigan's estimates of timber quality, quantity or costs of recovery. Bidder further acknowledges that the State of Michigan: (i) expressly disclaims any warranty of fitness of timber for any purpose; (ii) offers this timber as is without any warranty of quality (merchantability) or quantity and (iii) expressly disclaims any warranty as to the quantity or quality of timber sold.

11. Certification and Chain-of-Custody (10/14)

Unless otherwise indicated in the contract under section 7 – Other Conditions of the Sale Specific Conditions & Requirements, the area encompassed by this timber sale is certified to the standards of the Forest Stewardship Council (FSC) - Certificate #SCS-FM/COC-00090N and the Sustainable Forestry Initiative (SFI) - Certificate #NSF-SFIS-5Y031-SF5. Forest products from this sale may be delivered to the mill as "FSC 100% and / or SFI certified" as long as the contractor hauling the forest products is chain-of-custody (COC) certified or covered under a COC certificate from the destination mill. The purchaser is responsible for maintaining COC after leaving the sale area.

12. Good Neighbor Authority (GNA) Requirements (7/16)

If the name of this timber sales contains the acronym GNA, it is authorized by the Good Neighbor Authority (GNA) and covered by various agreements between the U.S. Forest Service and the State. The timber sale occurs on federal land and the following conditions apply:

GNA contracts on US Forest Service land will not be awarded to purchasers on the Federal list of excluded parties. The System for Award Management (SAM) will be checked for active excluded parties prior to award of contract. In addition, the Bidder to whom award is made must complete an Assurance Regarding Felony Conviction or Tax Delinquent Status for Corporate Applicants (AD-3031).

13. Good Neighbor Authority (GNA) Requirements, con't (9/16)

Bidder certifies, by signing this bid form, that to the best of Bidder's knowledge that the following representations are accurate and complete.

- a. That the Bidder and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntary excluded from timber sales (covered transactions) by any Federal department or agency.
- b. That the Bidder and its principals have not within a 3-year period preceding this bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.

c. That the Bidder and its principals are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph b of this certification.

d. That the Bidder and its principals have not within a 3-year period preceding this bid had one or more public transactions (Federal, State, or local) terminated for breach or default of a timber or forest product contract.

Bidders that cannot certify this requirement, in whole or in part, shall submit an explanation with their bid.

KEITH CREAGH

Director

TIMBER SALE INFORMATION

Cruising Dog Aspen (73-010-16)

Midland County (Advertised Price \$200,534.45)

SALE NOTE: Seasonal cutting restrictions apply to all units of the sale. Installation of culverts required.

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 | | |
| Mixed Aspen | 353.80 MBF | \$ 80.00 / MBF |
| Mixed Oak | 9.70 MBF | \$ 133.00 / MBF |
| Red Maple | 87.90 MBF | \$ 65.00 / MBF |
| White Oak | 3.80 MBF | \$ 59.00 / MBF |
| White Pine | 9.20 MBF | \$ 80.00 / MBF |
| Pulpwood | | |
| Mixed Aspen | 2,857.00 Cords | \$ 38.00 / Cord |
| Mixed Hardwood | 145.00 Cords | \$ 32.50 / Cord |
| Mixed Oak | 49.00 Cords | \$ 11.10 / Cord |
| Red Maple | 1,519.00 Cords | \$ 32.50 / Cord |
| White Pine | 59.00 Cords | \$ 18.25 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 8.32 percent. 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 \$10,027.00 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 03/31/2020.

Description of Timber by Payment Unit (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE | |
|-------------------|----------------------|--------------|----------|------------|--------------|-----------------|--------------|
| 1 | Mixed Aspen | Sawtimber | 66.3 | MBF | 80.5 | \$49,684.40 | |
| | <i>B. T. Aspen</i> | | 55.1 | <i>MBF</i> | | | |
| | <i>Quaking Aspen</i> | | 11.2 | <i>MBF</i> | | | |
| | Red Maple | | 32.1 | MBF | | | |
| | White Oak | | 2.1 | MBF | | | |
| | Mixed Aspen | | Pulpwood | 666.0 | | | Cords |
| | <i>B. T. Aspen</i> | | | 537.0 | | | <i>Cords</i> |
| | <i>Quaking Aspen</i> | | | 129.0 | | | <i>Cords</i> |
| | Mixed Hardwood | | | 30.0 | | | Cords |
| | <i>Black Cherry</i> | | | 2.0 | | | <i>Cords</i> |
| | <i>Paper Birch</i> | | | 28.0 | | | <i>Cords</i> |
| | Mixed Oak | | | 5.0 | | | Cords |
| | <i>White Oak</i> | | | 5.0 | | | <i>Cords</i> |
| | Red Maple | | | 486.0 | | | Cords |
| | White Pine | | | 2.0 | | | Cords |
| | <i>White Pine</i> | | | 2.0 | | | <i>Cords</i> |
| 2 | Mixed Aspen | Sawtimber | | 53.6 | MBF | 94.8 | \$28,474.80 |
| | <i>B. T. Aspen</i> | | | 44.1 | <i>MBF</i> | | |
| | <i>Quaking Aspen</i> | | | 9.5 | <i>MBF</i> | | |
| | Red Maple | | | 8.2 | MBF | | |
| | White Oak | | | 0.2 | MBF | | |
| | Mixed Aspen | | Pulpwood | 499.0 | Cords | | |
| | <i>B. T. Aspen</i> | | | 349.0 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | | 150.0 | <i>Cords</i> | | |
| | Mixed Hardwood | | | 15.0 | Cords | | |
| | <i>Paper Birch</i> | | | 15.0 | <i>Cords</i> | | |
| Red Maple | 129.0 | Cords | | | | | |
| 3 | Mixed Aspen | Sawtimber | | 47.0 | MBF | 57.0 | \$35,245.55 |
| | <i>B. T. Aspen</i> | | | 39.1 | <i>MBF</i> | | |
| | <i>Quaking Aspen</i> | | | 7.9 | <i>MBF</i> | | |
| | Red Maple | | | 22.8 | MBF | | |
| | White Oak | | 1.5 | MBF | | | |
| | Mixed Aspen | | Pulpwood | 472.0 | Cords | | |
| | <i>B. T. Aspen</i> | | | 381.0 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | | 91.0 | <i>Cords</i> | | |
| | Mixed Hardwood | | | 21.0 | Cords | | |
| | <i>Black Cherry</i> | | | 1.0 | <i>Cords</i> | | |
| | <i>Paper Birch</i> | | | 20.0 | <i>Cords</i> | | |
| | Mixed Oak | | | 3.0 | Cords | | |
| | <i>White Oak</i> | | | 3.0 | <i>Cords</i> | | |
| | Red Maple | | | 346.0 | Cords | | |
| | White Pine | | | 1.0 | Cords | | |
| <i>White Pine</i> | 1.0 | <i>Cords</i> | | | | | |
| 4 | Mixed Aspen | Sawtimber | | 21.7 | MBF | 42.0 | \$14,212.85 |
| | <i>B. T. Aspen</i> | | | 21.3 | <i>MBF</i> | | |
| | <i>Quaking Aspen</i> | | | 0.4 | <i>MBF</i> | | |
| | Mixed Oak | | | 0.4 | MBF | | |
| | <i>Red Oak</i> | | 0.4 | <i>MBF</i> | | | |
| | Red Maple | | 1.9 | MBF | | | |
| | White Pine | | 3.5 | MBF | | | |
| | <i>Jack Pine</i> | | 0.9 | <i>MBF</i> | | | |
| | <i>Tamarack</i> | | 0.7 | <i>MBF</i> | | | |
| | <i>White Pine</i> | | 1.9 | <i>MBF</i> | | | |
| | Mixed Aspen | | Pulpwood | 245.0 | Cords | | |
| | <i>B. T. Aspen</i> | | | 212.0 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | | 33.0 | <i>Cords</i> | | |

Description of Timber by Payment Unit (PU), con't

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|-------------------|----------------------|------------------|--------------|--------------|-------|-----------------|
| 4 con't | Mixed Hardwood | Pulpwood | 5.0 | Cords | | |
| | <i>Paper Birch</i> | <i>Sawtimber</i> | 0.4 | <i>MBF</i> | | |
| | <i>Paper Birch</i> | <i>Pulpwood</i> | 4.0 | <i>Cords</i> | | |
| | Mixed Oak | | 4.0 | Cords | | |
| | <i>Red Oak</i> | | 4.0 | <i>Cords</i> | | |
| | Red Maple | | 54.0 | Cords | | |
| | White Pine | | 41.0 | Cords | | |
| | <i>Jack Pine</i> | | 12.0 | <i>Cords</i> | | |
| | <i>Tamarack</i> | | 11.0 | <i>Cords</i> | | |
| | <i>White Pine</i> | | 18.0 | <i>Cords</i> | | |
| 5 | Mixed Aspen | Sawtimber | 105.5 | MBF | 74.4 | \$31,942.45 |
| | <i>B. T. Aspen</i> | | 105.3 | <i>MBF</i> | | |
| | <i>Quaking Aspen</i> | | 0.2 | <i>MBF</i> | | |
| | Mixed Oak | | 5.9 | MBF | | |
| | <i>Red Oak</i> | | 5.9 | <i>MBF</i> | | |
| | Red Maple | | 9.4 | MBF | | |
| | White Pine | | 5.7 | MBF | | |
| | <i>Tamarack</i> | | 0.4 | <i>MBF</i> | | |
| | <i>White Pine</i> | | 5.3 | <i>MBF</i> | | |
| | Mixed Aspen | Pulpwood | 392.0 | Cords | | |
| | <i>B. T. Aspen</i> | | 371.0 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 21.0 | <i>Cords</i> | | |
| | Mixed Hardwood | | 44.0 | Cords | | |
| | <i>Paper Birch</i> | <i>Sawtimber</i> | 1.4 | <i>MBF</i> | | |
| | <i>Paper Birch</i> | <i>Pulpwood</i> | 41.0 | <i>Cords</i> | | |
| | Mixed Oak | | 10.0 | Cords | | |
| | <i>Red Oak</i> | | 10.0 | <i>Cords</i> | | |
| | Red Maple | | 152.0 | Cords | | |
| | White Pine | | 15.0 | Cords | | |
| | <i>Tamarack</i> | | 3.0 | <i>Cords</i> | | |
| <i>White Pine</i> | | 12.0 | <i>Cords</i> | | | |
| 6 | Mixed Aspen | Sawtimber | 52.1 | MBF | 57.6 | \$26,987.50 |
| | <i>B. T. Aspen</i> | | 32.6 | <i>MBF</i> | | |
| | <i>Quaking Aspen</i> | | 19.5 | <i>MBF</i> | | |
| | Mixed Oak | | 3.0 | MBF | | |
| | <i>Red Oak</i> | | 3.0 | <i>MBF</i> | | |
| | Red Maple | | 9.9 | MBF | | |
| | Mixed Aspen | Pulpwood | 350.0 | Cords | | |
| | <i>B. T. Aspen</i> | | 191.0 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 159.0 | <i>Cords</i> | | |
| | Mixed Hardwood | | 14.0 | Cords | | |
| | <i>Paper Birch</i> | | 14.0 | <i>Cords</i> | | |
| | Mixed Oak | | 20.0 | Cords | | |
| | <i>Red Oak</i> | | 18.0 | <i>Cords</i> | | |
| | <i>White Oak</i> | | 2.0 | <i>Cords</i> | | |
| | Red Maple | | 240.0 | Cords | | |
| 7 | Mixed Aspen | Sawtimber | 7.6 | MBF | 39.6 | \$14,019.40 |
| | <i>B. T. Aspen</i> | | 7.2 | <i>MBF</i> | | |
| | <i>Quaking Aspen</i> | | 0.4 | <i>MBF</i> | | |
| | Mixed Oak | | 0.4 | MBF | | |
| | <i>Red Oak</i> | | 0.4 | <i>MBF</i> | | |
| | Red Maple | | 3.6 | MBF | | |
| | Mixed Aspen | Pulpwood | 233.0 | Cords | | |
| | <i>B. T. Aspen</i> | | 197.0 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 36.0 | <i>Cords</i> | | |
| | Mixed Hardwood | | 17.0 | Cords | | |

Description of Timber by Payment Unit (PU), con't

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|---------|--------------------|------------------|----------|--------------|-------|-----------------|
| 7 con't | <i>Paper Birch</i> | <i>Sawtimber</i> | 0.4 | <i>MBF</i> | | |
| | <i>Paper Birch</i> | <i>Pulpwood</i> | 16.0 | <i>Cords</i> | | |
| | Mixed Oak | | 7.0 | Cords | | |
| | <i>Red Oak</i> | | 6.0 | <i>Cords</i> | | |
| | <i>White Oak</i> | | 1.0 | <i>Cords</i> | | |
| | Red Maple | | 112.0 | Cords | | |
| TOTAL: | | | 464.4 | MBF | | |
| TOTAL: | | | 4,630.0 | Cords | | |

Sale Specific Conditions & Requirements

Sale Name: Cruising Dog Aspen

Sale Number: 73-010-16 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 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. 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 - 7, cut all trees that are two (2) inches or more at DBH regardless of merchantability except trees marked with green paint above and below stump height.

2.1.15 - Hazard trees near roads (7/13)

Cut and remove all standing dead trees within 100 feet of the cleared portion of W. Curtis Road. These trees may be utilized or must be scattered back into the sale area.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 1, 2, & 5 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 dispersed throughout the sale.

4.1.5 - Culverts (5/14)

Roads within this sale require the installation of culverts for cross drainage. These locations are shown on the Timber Sale Map. Culverts 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. All overgrown roads or roads blocked by berms are 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.

4.2 - 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.

4.3 - Public Right-of-Way

4.3.2 - County R-O-W (12/06)

The county must be contacted prior to harvesting in the county road R-O-W. This applies to Payment Units 3 & 6 and Curtis Rd.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser. A copy of the written permission from the private landowner must be given to the Unit Manager prior to the beginning of operations.

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.13 - Dispose of slash as directed (12/05)

Slash is to be disposed of as directed by the Timber Sale Administrator.

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1 - 7, cutting, skidding, and hauling are limited to dry or frozen conditions. These conditions typically occur January 1st through March 1st and July 1st through October 1st. Approval must be obtained from the Timber Sale Administrator before a Payment Unit can be started. This restriction is because of seasonally saturated soils.

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 - 7, leave at least six (6) large tops per acre. These will be evenly scattered throughout the unit.

5.2.17 - Crane Mats/Timber Mats (10/14)

Some roads or skid trails may require extra protection such as that afforded by Crane Mats/Timber Mats. If available, Crane Mats/Timber Mats may be borrowed from the DNR and are located at the Marquette ICC and the Grayling Field Office. Contact the sale administrator for specific details. A Timber Sale Contract Supplement will be used to document the Purchaser's use of the DNR's Crane Mats/Timber Mats. It is the responsibility of the Purchaser to contact the sale administrator to schedule pick up and drop off. In addition, all mats must be cleaned prior to drop off. A charge of \$350.00 will be assessed for all damaged or non-returned mats. Damage is defined as misuse resulting in three or more broken cants.

5.2.31 - Landing locations (9/13)

Recommended landing areas are marked on the timber sale map with the letter "L". Landing locations must be approved by the Timber Sale Administrator before operations can begin.

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.



TIMBER SALE MAP

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

| | |
|-------------|------|
| Sale Number | Year |
| 73 - 010 | 16 |

| | | | | | |
|------------------------|-------------------|--|------------|----------|----|
| Forest Management Unit | County | Mapped By | Date | Page | of |
| Gladwin | Midland & Gladwin | Scott Shooltz | 09/30/2016 | 1 | 2 |
| Township | | Cruised By | | Scale | |
| 16N & 17N | | Shooltz & Wasserman | | 1:15,840 | |
| Range | | Section(s) and Subdivision(s) | | | |
| 01W | | T16N, R01W Section(s) 4, 5, 8, & 9: Various; T17N, R01W Section(s) 33: W 1/2 SW; | | | |

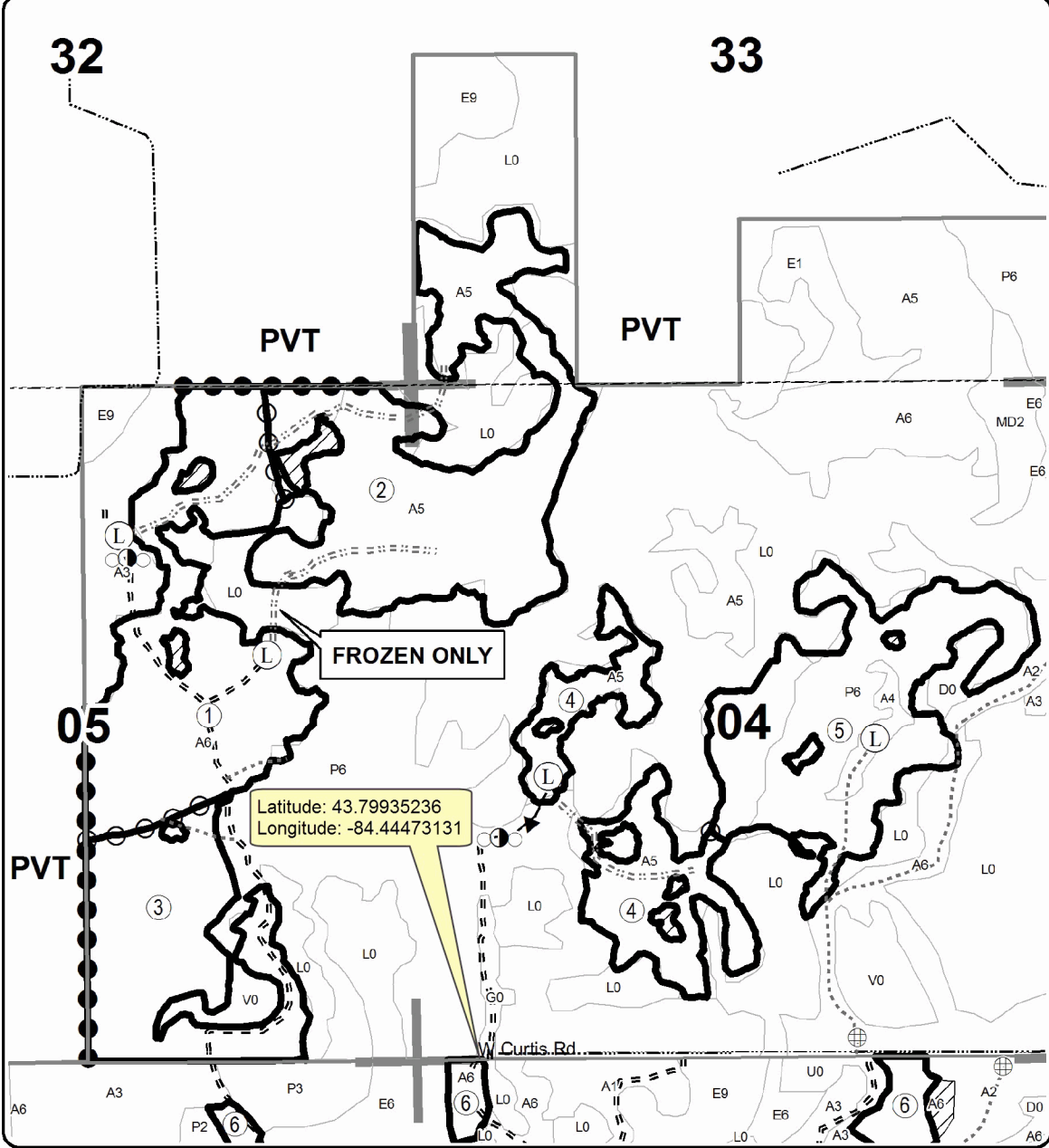
| Cover Type | | | | Density | | | |
|-------------------|----------------------|-------------------------|-------------------|-----------------------------|------------------------|--|--|
| A = Aspen | H = Hemlock | N = Marsh | U = Upland Brush | 0 = Non Stocked | 5 = Pole Timber Medium | | |
| B = 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 | 80.5 | 4 | 42.0 | 7 | 39.6 |
| 2 | 94.8 | 5 | 74.4 | | |
| 3 | 57.0 | 6 | 57.6 | | |

Cruising Dog Aspen

Compartment 95

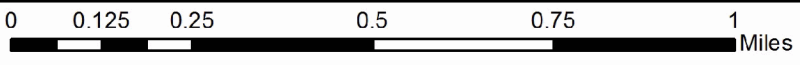
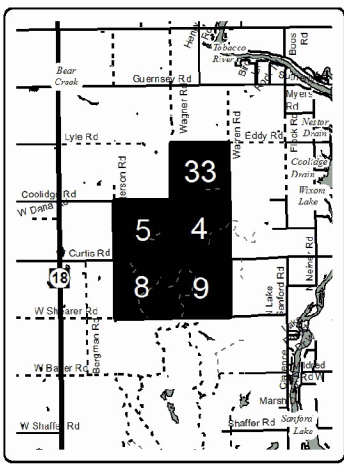
Acres 445.9



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Section Corners
- ▨ Retention Area
- Stand Boundaries
- Paved Roads
- - - Poor Dirt Roads
- ⋯ Closed Roads
- ▲ Proposed New Road
- ⋯ Proposed Skid Route
- ⊕ Berms
- Culvert Needed
- Ⓛ Proposed Landing
- ⋯ Streams

Locator Map
1:200,000





TIMBER SALE MAP

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

| | |
|-------------|------|
| Sale Number | Year |
| 73 - 010 | 16 |

| | | | | | | | |
|------------------------|-------|--|------------|---------------------|------------|------|----|
| Forest Management Unit | | County | Mapped By | Scott Shooltz | Date | Page | of |
| Gladwin | | Midland & Gladwin | Cruised By | Shooltz & Wasserman | 09/30/2016 | 2 | 2 |
| Township | Range | Section(s) and Subdivision(s) | | | Scale | | |
| 16N & 17N | 01W | T16N, R01W Section(s) 4, 5, 8, & 9; Various; T17N, R01W Section(s) 33: W 1/2 SW; | | | 1:15,840 | | |

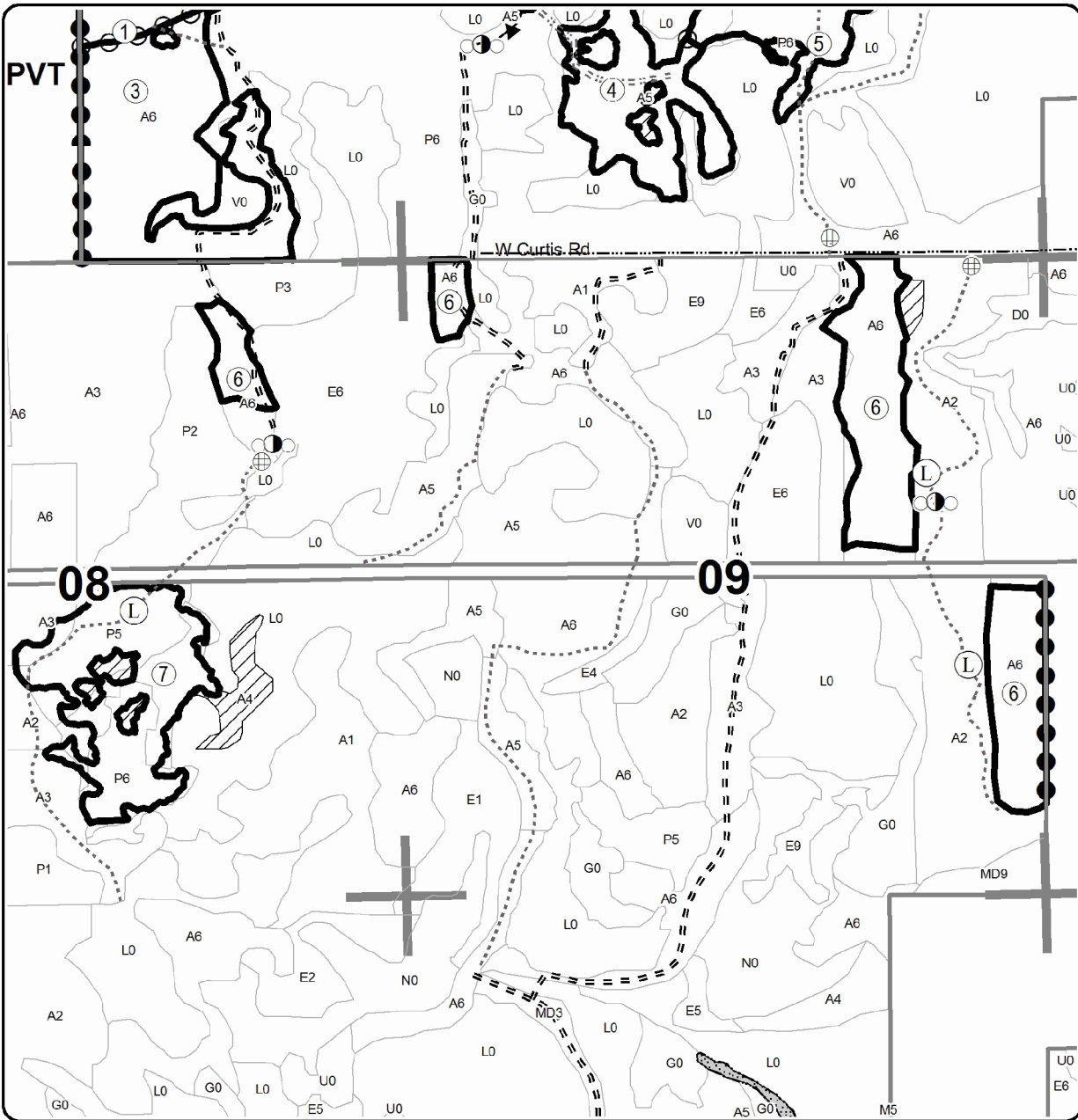
| Cover Type | | | | Density | | | |
|-------------------|----------------------|-------------------------|-------------------|-----------------------------|------------------------|--|--|
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| E = Swamp Hdwoods | M = Mpl, Bch, Brch | R = Red Pine | X = 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 | 80.5 | 4 | 42.0 | 7 | 39.6 |
| 2 | 94.8 | 5 | 74.4 | | |
| 3 | 57.0 | 6 | 57.6 | | |

Cruising Dog Aspen

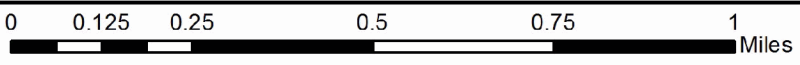
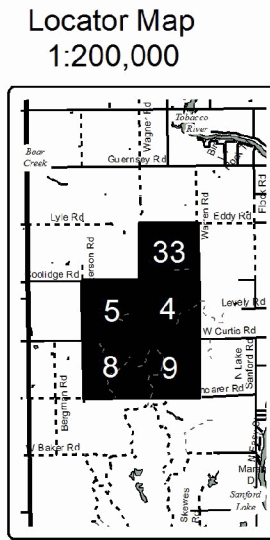
Compartment 95

Acres 445.9



Legend

- Against State (Red)
- Payment Unit (Yellow)
- Private Line (Blue)
- Section Corners
- ▨ Retention Area
- ▭ Stand Boundaries
- Paved Roads
- - - Poor Dirt Roads
- ⋯ Closed Roads
- ▲ Proposed New Road
- ⋯ Proposed Skid Route
- ⊕ Berms
- ⊙ Culvert Needed
- Ⓛ Proposed Landing
- ⋯ Streams



TIMBER SALE INFORMATION

Cara del Rastro Aspen (73-011-16)

Arenac County (Advertised Price \$186,437.75)

SALE NOTE: See sale map for available salvage unit. Unit 10 (stand 389) is available through contract amendment. With in this unit ash and aspen may be salvaged. The boundaries are identified on the ground and the timber sale map. If this unit is purchased both the ash and aspen will be scaled as cord wood on site. Ash will be priced at \$2.00 per cord and aspen will priced at the purchase price for aspen pulpwood.

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 | | | |
| Green Ash | 6.90 | MBF | \$ 60.00 / MBF |
| Mixed Aspen | 258.00 | MBF | \$ 85.00 / MBF |
| Mixed Oak | 81.60 | MBF | \$ 143.00 / MBF |
| Paper Birch | 3.80 | MBF | \$ 38.00 / MBF |
| Red Maple | 37.70 | MBF | \$ 70.00 / MBF |
| Red Oak | 38.20 | MBF | \$ 222.00 / MBF |
| Red Pine | 12.50 | MBF | \$ 156.00 / MBF |
| Pulpwood | | | |
| Mixed Aspen | 2,260.00 | Cords | \$ 40.70 / Cord |
| Mixed Hardwood | 52.00 | Cords | \$ 34.85 / Cord |
| Mixed Oak | 702.00 | Cords | \$ 11.90 / Cord |
| Red Maple | 1,031.00 | Cords | \$ 34.85 / Cord |
| Red Pine | 24.00 | Cords | \$ 47.20 / Cord |

* The total volume is statistically estimated within plus (+) or minus (-) 10.93 percent. 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 \$9,322.00 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 03/31/2019.

Description of Timber by Payment Unit (PU)

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|-------------------------|-------------------------|-----------|--------------|--------------|-------|-----------------|
| 1 | Mixed Aspen | Sawtimber | 1.9 | MBF | 5.0 | \$2,520.95 |
| | <i>Quaking Aspen</i> | | 1.9 | <i>MBF</i> | | |
| | Red Maple | 0.4 | MBF | | | |
| | Mixed Aspen | Pulpwood | 35.0 | Cords | | |
| | <i>Quaking Aspen</i> | | 35.0 | <i>Cords</i> | | |
| | Mixed Oak | | 3.0 | Cords | | |
| | <i>Bl/R/Hybrid Oak</i> | | 3.0 | <i>Cords</i> | | |
| | Red Maple | | 25.0 | Cords | | |
| 2 | Mixed Aspen | Sawtimber | 0.4 | MBF | 21.7 | \$5,955.65 |
| | <i>B. T. Aspen</i> | | 0.4 | <i>MBF</i> | | |
| | Mixed Oak | | 22.1 | MBF | | |
| | <i>Bl/R/Hybrid Oak</i> | | 5.8 | <i>MBF</i> | | |
| | <i>Northern Pin Oak</i> | | 16.3 | <i>MBF</i> | | |
| | Red Maple | 1.8 | MBF | | | |
| | Mixed Aspen | Pulpwood | 5.0 | Cords | | |
| | <i>B. T. Aspen</i> | | 2.0 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 3.0 | <i>Cords</i> | | |
| | Mixed Oak | | 178.0 | Cords | | |
| | <i>Bl/R/Hybrid Oak</i> | | 83.0 | <i>Cords</i> | | |
| | <i>Northern Pin Oak</i> | | 95.0 | <i>Cords</i> | | |
| | Red Maple | | 9.0 | Cords | | |
| 3 | Mixed Aspen | | Sawtimber | 5.7 | MBF | 34.0 |
| | <i>B. T. Aspen</i> | 2.7 | | <i>MBF</i> | | |
| | <i>Quaking Aspen</i> | 3.0 | | <i>MBF</i> | | |
| | Red Maple | 1.2 | MBF | | | |
| | Mixed Aspen | Pulpwood | 152.0 | Cords | | |
| | <i>B. T. Aspen</i> | | 61.0 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 91.0 | <i>Cords</i> | | |
| | Mixed Hardwood | | 3.0 | Cords | | |
| | <i>Black Cherry</i> | | 3.0 | <i>Cords</i> | | |
| | Red Maple | | 241.0 | Cords | | |
| 4 | Mixed Aspen | | Pulpwood | 39.0 | Cords | 8.7 |
| | <i>B. T. Aspen</i> | 14.0 | | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | 25.0 | | <i>Cords</i> | | |
| 5 | Mixed Aspen | Sawtimber | 16.2 | MBF | 25.9 | \$14,055.35 |
| | <i>B. T. Aspen</i> | | 13.5 | <i>MBF</i> | | |
| | <i>Quaking Aspen</i> | | 2.7 | <i>MBF</i> | | |
| | Mixed Oak | | 26.5 | MBF | | |
| | <i>Northern Pin Oak</i> | | 26.5 | <i>MBF</i> | | |
| | Red Maple | 4.2 | MBF | | | |
| | Mixed Aspen | Pulpwood | 114.0 | Cords | | |
| | <i>B. T. Aspen</i> | | 30.0 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 84.0 | <i>Cords</i> | | |
| | Mixed Oak | | 142.0 | Cords | | |
| <i>Northern Pin Oak</i> | 142.0 | | <i>Cords</i> | | | |
| Red Maple | 65.0 | Cords | | | | |
| 6 | Mixed Aspen | Sawtimber | 13.4 | MBF | 25.4 | \$9,207.75 |
| | <i>B. T. Aspen</i> | | 0.4 | <i>MBF</i> | | |
| | <i>Quaking Aspen</i> | | 13.0 | <i>MBF</i> | | |
| | Mixed Oak | | 17.5 | MBF | | |
| | <i>Northern Pin Oak</i> | | 17.5 | <i>MBF</i> | | |
| | Red Maple | 1.2 | MBF | | | |
| | Mixed Aspen | Pulpwood | 96.0 | Cords | | |
| | <i>B. T. Aspen</i> | | 18.0 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 78.0 | <i>Cords</i> | | |
| | Mixed Oak | | 106.0 | Cords | | |

Description of Timber by Payment Unit (PU), con't

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|------------|------------------|-----------|----------|-------|-------|-----------------|
| 6 con't | Northern Pin Oak | Pulpwood | 106.0 | Cords | | |
| | Red Maple | | 9.0 | Cords | | |
| 7 | Mixed Aspen | Sawtimber | 64.9 | MBF | 32.2 | \$27,994.40 |
| | B. T. Aspen | | 34.2 | MBF | | |
| | Quaking Aspen | | 30.7 | MBF | | |
| | Mixed Oak | | 4.9 | MBF | | |
| | Northern Pin Oak | | 4.9 | MBF | | |
| | Red Maple | | 6.2 | MBF | | |
| | Red Pine | | 11.4 | MBF | | |
| | Red Pine | | 11.4 | MBF | | |
| | Mixed Aspen | Pulpwood | 346.0 | Cords | | |
| | B. T. Aspen | | 127.0 | Cords | | |
| | Quaking Aspen | | 219.0 | Cords | | |
| | Mixed Oak | | 26.0 | Cords | | |
| | Northern Pin Oak | | 26.0 | Cords | | |
| | Red Maple | | 120.0 | Cords | | |
| | Red Pine | | 21.0 | Cords | | |
| | Red Pine | | 21.0 | Cords | | |
| 8 | Green Ash | Sawtimber | 4.6 | MBF | 71.7 | \$69,645.40 |
| | Mixed Aspen | | 103.2 | MBF | | |
| | B. T. Aspen | | 26.1 | MBF | | |
| | Quaking Aspen | | 77.1 | MBF | | |
| | Mixed Oak | | 5.4 | MBF | | |
| | BI/R/Hybrid Oak | | 3.2 | MBF | | |
| | Northern Pin Oak | | 2.2 | MBF | | |
| | Paper Birch | | 2.4 | MBF | | |
| | Red Maple | | 15.3 | MBF | | |
| | Red Oak | | 22.6 | MBF | | |
| | Red Pine | | 0.6 | MBF | | |
| | White Pine | | 0.6 | MBF | | |
| | Mixed Aspen | Pulpwood | 922.0 | Cords | | |
| | B. T. Aspen | | 529.0 | Cords | | |
| | Quaking Aspen | | 393.0 | Cords | | |
| | Mixed Hardwood | | 31.0 | Cords | | |
| | Green Ash | | 16.0 | Cords | | |
| | Paper Birch | | 15.0 | Cords | | |
| | Mixed Oak | | 144.0 | Cords | | |
| | BI/R/Hybrid Oak | | 11.0 | Cords | | |
| | Northern Pin Oak | | 26.0 | Cords | | |
| | Red Oak | | 107.0 | Cords | | |
| | Red Maple | | 377.0 | Cords | | |
| Red Pine | 2.0 | Cords | | | | |
| White Pine | 2.0 | Cords | | | | |
| 9 | Green Ash | Sawtimber | 2.3 | MBF | 41.4 | \$40,212.65 |
| | Mixed Aspen | | 52.3 | MBF | | |
| | B. T. Aspen | | 16.8 | MBF | | |
| | Quaking Aspen | | 35.5 | MBF | | |
| | Mixed Oak | | 5.2 | MBF | | |
| | BI/R/Hybrid Oak | | 3.0 | MBF | | |
| | Northern Pin Oak | | 2.2 | MBF | | |
| | Paper Birch | | 1.4 | MBF | | |
| | Red Maple | | 7.4 | MBF | | |
| | Red Oak | | 15.6 | MBF | | |
| | Red Pine | | 0.5 | MBF | | |
| | White Pine | 0.5 | MBF | | | |
| | Mixed Aspen | Pulpwood | 551.0 | Cords | | |

Description of Timber by Payment Unit (PU), con't

| PU | MARKET GROUP | PRODUCT | QUANTITY | UNIT | ACRES | ADVERTISE PRICE |
|---------|-------------------------|-----------------|----------|--------------|-------|-----------------|
| 9 con't | <i>B. T. Aspen</i> | <i>Pulpwood</i> | 322.0 | <i>Cords</i> | | |
| | <i>Quaking Aspen</i> | | 229.0 | <i>Cords</i> | | |
| | Mixed Hardwood | | 18.0 | <i>Cords</i> | | |
| | <i>Green Ash</i> | | 12.0 | <i>Cords</i> | | |
| | <i>Paper Birch</i> | | 6.0 | <i>Cords</i> | | |
| | Mixed Oak | | 103.0 | <i>Cords</i> | | |
| | <i>Bl/R/Hybrid Oak</i> | | 10.0 | <i>Cords</i> | | |
| | <i>Northern Pin Oak</i> | | 19.0 | <i>Cords</i> | | |
| | <i>Red Oak</i> | | 74.0 | <i>Cords</i> | | |
| | Red Maple | | 185.0 | <i>Cords</i> | | |
| | Red Pine | | 1.0 | <i>Cords</i> | | |
| | <i>White Pine</i> | | 1.0 | <i>Cords</i> | | |
| | TOTAL: | | | 438.7 | MBF | |
| TOTAL: | | | 4,069.0 | Cords | | |

Sale Specific Conditions & Requirements

Sale Name: Cara del Rastro Aspen

Sale Number: 73-011-16 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 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 except for the south boundary line of Payment Unit 5 and the west boundary line of Payment Unit 7. These lines are marked with yellow paint and serve as the sale boundary against state unless the additional salvage unit is purchased through a contract amendment. See Timber Sale Map. Interior Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid. The yellow painted exterior sale boundary lines mentioned previously may be cut if the additional salvage unit is added to the contract through an amendment.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 2 - 9, cut all trees that are two (2) inches or more at DBH except trees marked with green paint above and below stump height, and the following exceptions:

Within Payment Units 2, 5, & 6, DO NOT cut any oak 4" DBH and under, any white pine, or any white oak.

Within Payment Units 3 & 4, DO NOT cut any oak.

Within Payment Units 7, 8 & 9, DO NOT cut any cedar.

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

Within Payment Unit(s) 1, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability. In addition, cut all aspen, maple, and ash regardless of merchantability.

2.1.11 - Description of timber note (2/04)

Note that Payment Unit 10 is available through a contract amendment and is shown on the Timber Sale Map. The unit is 27.4 acres and includes approximately 600 cords of dead ash and 1 - 10 cords of aspen. Stumpage price for dead ash will be \$2.00 per cord and stumpage price for aspen will be the contract price. Payment Unit 10 will be scaled and can only be cut during dry or frozen conditions.

2.1.15 - Hazard trees near roads (7/13)

Cut and remove all standing dead trees within 100 feet of the cleared portion of Sterling Truck Trail. These trees may be utilized or must be scattered back into the sale area.

2.1.16 - Timber along county or forest roads (6/14)

Cut and remove all standing trees 4.6" DBH or greater within 33 feet of the center line of Sterling Truck Trail.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 8 & 9 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. There will be only one division per Payment Unit.

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. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

Within Payment Units 1 - 6, if more than 25% of the oak seedlings or saplings (1/4" to 4" DBH) within a specified portion of the sale area are damaged, liquidated damages will be assessed at \$300.00 per acre for all acreage within that specified portion of the sale area that was damaged.

4 - Transportation

4.1 - Construction

4.1.5 - Culverts (5/14)

Some roads require the installation of culverts for cross drainage at natural drainage-ways. Culvert locations are shown on the timber sale map, their exact placement will be specified by the sale administrator and they shall be installed prior to hauling. The culverts shall be new, corrugated metal. 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. Stumps and brush must be placed along the remainder of the trail. These roads must be rendered impassable to cars and trucks. Contact the sale administrator for specific details of design and placement.

4.4 - Access

4.4.3 - Access gate (12/08)

Access gates must be locked at the completion of each day unless otherwise approved by the Unit Manager or his/her representative.

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.10 - No slash in openings (5/10)

No brush or logging debris is to be left in maintained wildlife openings which are labeled "Maintained Openings" on the Timber Sale Map. Haul routes which cross maintained openings shall do so in a straight line as to reduce soil disturbance. Any damage to the opening shall be repaired according to specifications of the Unit Manager or his/her representative.

5.2.1.11 - Slash for reforestation (5/07)

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.

5.2.3 - Operating Restrictions

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1, 3, 6, 8 & 9, unless changed by written agreement, cutting, skidding, and hauling are limited to dry or frozen conditions. Permission must be obtained from the Unit Manager or his/her representative before operations can begin or resume. This restriction is because of seasonally wet soils.

5.2.3.4 - Oak wilt restriction (6/10)

Within Payment Unit(s) 1 - 6, unless changed by written agreement, cutting, skidding, and hauling are not permitted during the period of April 15 to July 15. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

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) 3, 5, 6, 7, 8 & 9, 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.

5.2.17 - Crane Mats/Timber Mats (10/14)

Some roads or skid trails may require extra protection such as that afforded by Crane Mats/Timber Mats. If available, Crane Mats/Timber Mats may be borrowed from the DNR and are located at the Marquette ICC and the Grayling Field Office. Contact the sale administrator for specific details. A Timber Sale Contract Supplement will be used to document the Purchaser's use of the DNR's Crane Mats/Timber Mats. It is the responsibility of the Purchaser to contact the sale administrator to schedule pick up and drop off. In addition, all mats must be cleaned prior to drop off. A charge of \$350.00 will be assessed for all damaged or non-returned mats. Damage is defined as misuse resulting in three or more broken cants.

5.2.31 - Landing locations (9/13)

Proposed landing areas are marked on the timber sale map with the letter "L". These locations are only recommendations. Contact the timber sale administrator for specific design and placement.

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. Some landing areas may require additional closure work to prevent vehicle traffic on the site.

5.2.37 - No decking areas (12/08)

No decking is allowed within maintain openings which are labeled on the timber sale map.

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.

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 Sterling Truck Trail 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.



TIMBER SALE MAP

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

| | |
|-------------|------|
| Sale Number | Year |
| 73 - 011 | 16 |

| | | | | | | |
|------------------------|--------|------------|------------------|------------|------|----|
| Forest Management Unit | County | Mapped By | Scott Shooltz | Date | Page | of |
| Gladwin | Arenac | Cruised By | Shooltz & Myrick | 09/30/2016 | 1 | 2 |

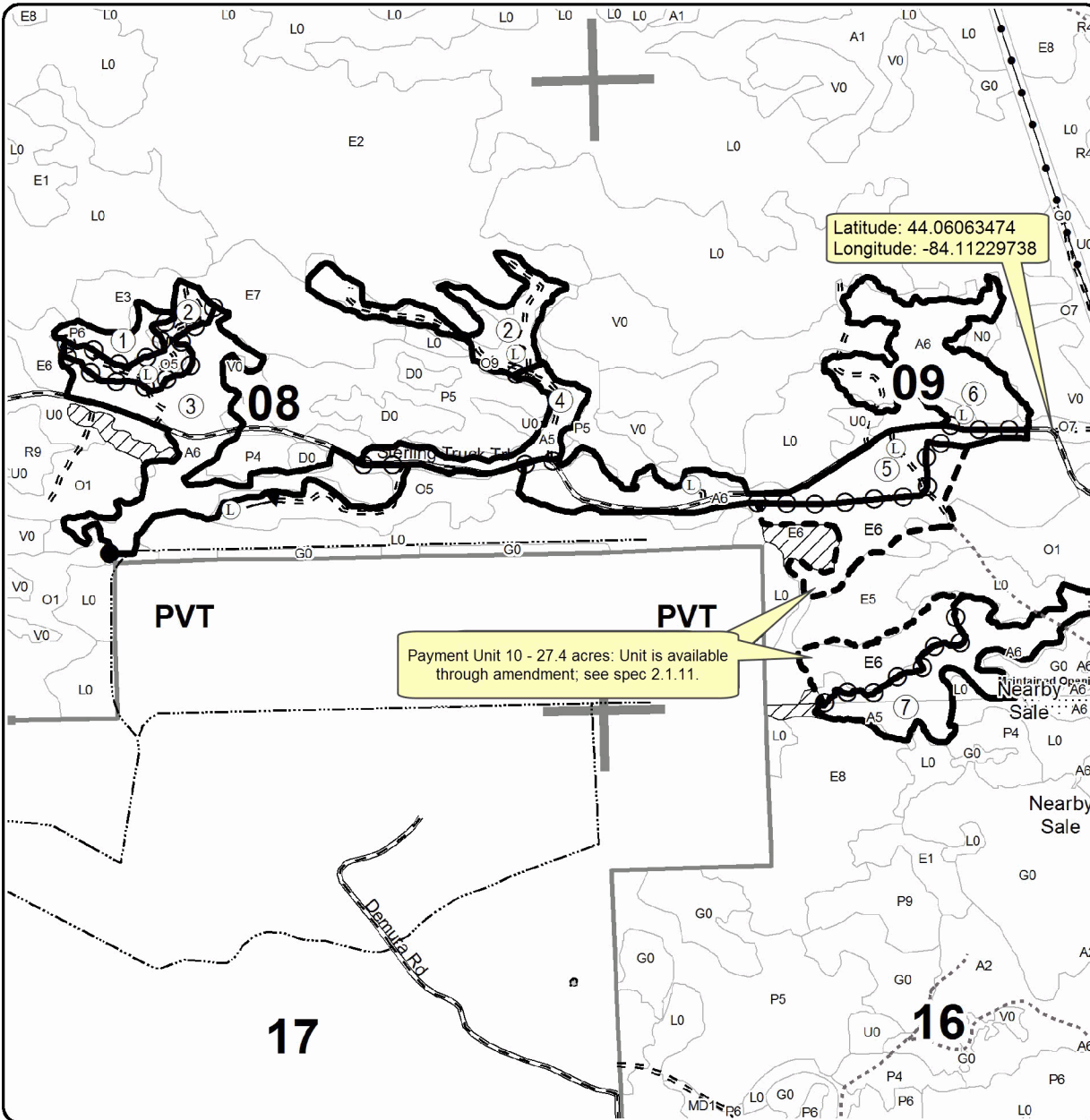
| | | | |
|----------|-------|-------------------------------------|----------|
| Township | Range | Section(s) and Subdivision(s) | Scale |
| 19 N | 03 E | Sections 8, 9, 10, 15 & 16: Various | 1:15,840 |

| 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 | 5.0 | 4 | 8.7 | 7 | 32.2 |
| 2 | 21.7 | 5 | 25.9 | 8 | 71.7 |
| 3 | 34.0 | 6 | 25.4 | 9 | 41.4 |

Cara del Rastro Aspen

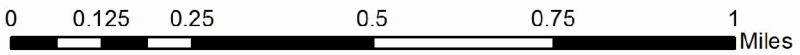
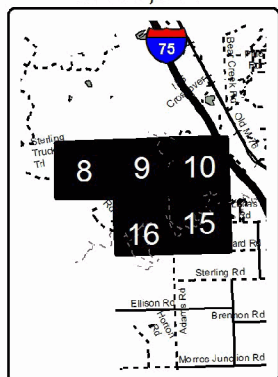
Compartment 126
Acres 266



Legend

- Against State (Red)
- ○ Against State (Yellow)
- ● Private Line (Blue)
- ▭ Available Through Amendment (Red)
- ▨ Retention Area
- ▭ Stand Boundaries
- Section Corners
- Gravel Roads
- == Poor Dirt Roads
- Closed Roads
- ⊕ Hunter Walking Trails
- ▲ Proposed New Road
- === Proposed Skid Route
- Pipeline; Powerline
- ⊙ Proposed Landing
- Streams

Locator Map
1:200,000





TIMBER SALE MAP

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

| | |
|-------------|---------|
| Sale Number | Year |
| 73 - 011 | 16 |
| Date | Page of |
| 09/30/2016 | 2 2 |

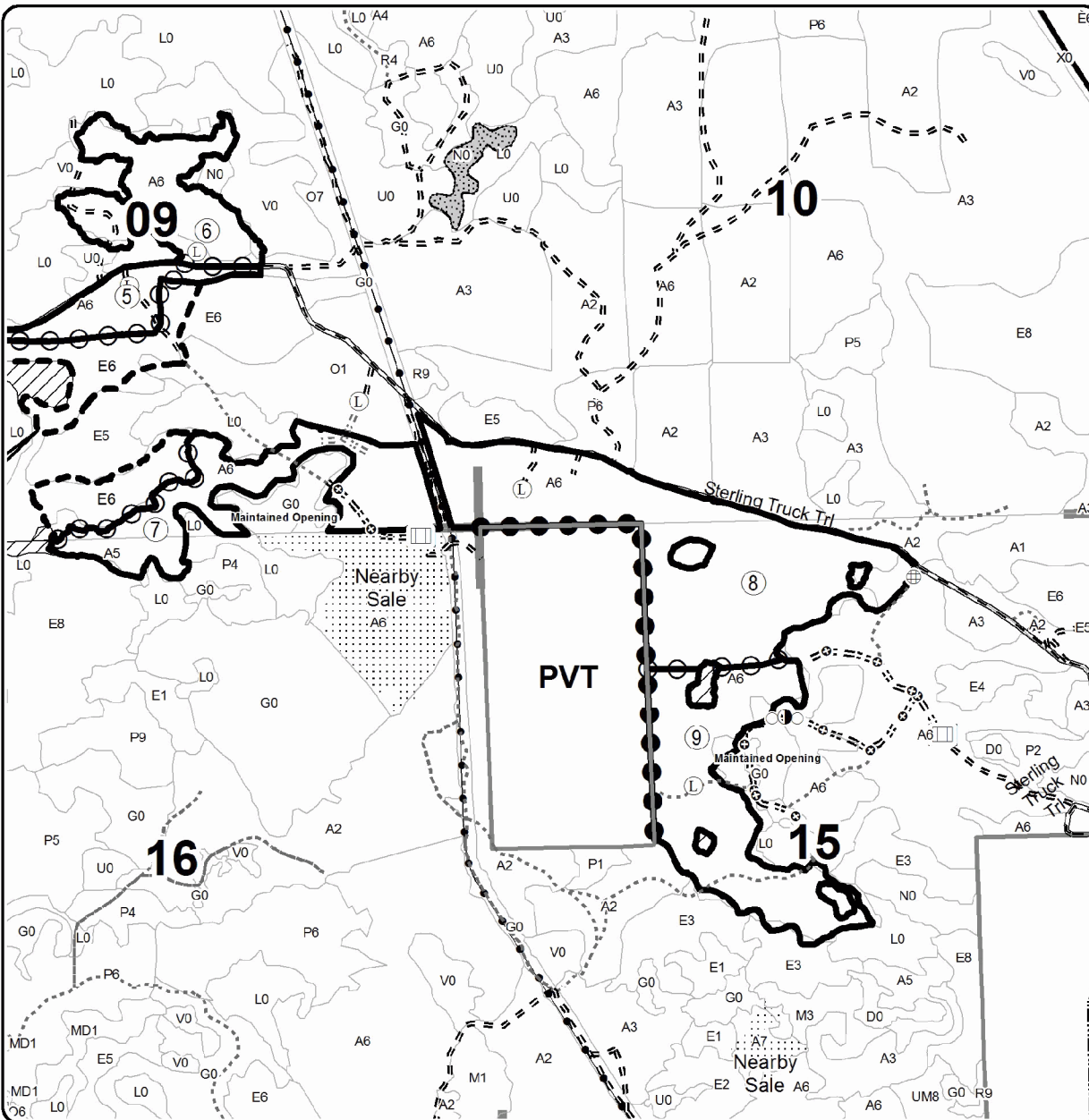
| | | | |
|------------------------|--------|-------------------------------------|------------------|
| Forest Management Unit | County | Mapped By | Scott Shooltz |
| Gladwin | Arenac | Cruised By | Shooltz & Myrick |
| Township | Range | Section(s) and Subdivision(s) | Scale |
| 19 N | 03 E | Sections 8, 9, 10, 15 & 16: Various | 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 | 5.0 | 4 | 8.7 | 7 | 32.2 |
| 2 | 21.7 | 5 | 25.9 | 8 | 71.7 |
| 3 | 34.0 | 6 | 25.4 | 9 | 41.4 |

Cara del Rastro Aspen

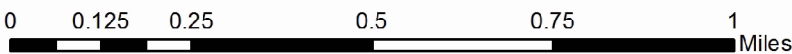
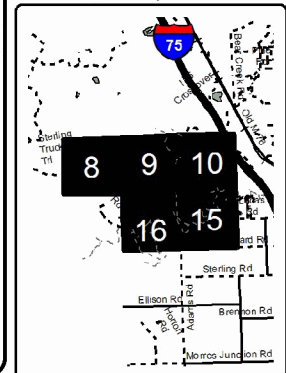
Compartment 126
Acres 266



Legend

- Against State (Red)
- Payment Unit / Against State (Yellow)
- Private Line (Blue)
- Available Through Amendment (Red)
- Retention Area
- Stand Boundaries
- Section Corners
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Hunter Walking Trails
- Proposed New Road
- Proposed Skid Route
- Pipeline; Powerline
- Proposed Landing
- Streams
- Berms
- Culvert Needed
- Gate

Locator Map
1:200,000



Cruising Dog Aspen (73-010-16)
 ; Midland COUNTY

In response to the notice of sale to be held 11:00 a.m. (local time) on March 15, 2017, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

| <u>PRODUCTS & SPECIES</u> | <u>ESTIMATED VOLUME*</u> | <u>ADVERTISED PRICE</u> | <u>BID PRICE</u> |
|-------------------------------|--------------------------|-------------------------|------------------|
| Sawtimber | | | |
| Mixed Aspen | 353.80 MBF | \$ 80.00/MBF | \$ _____ |
| Mixed Oak | 9.70 MBF | \$ 133.00/MBF | \$ _____ |
| Red Maple | 87.90 MBF | \$ 65.00/MBF | \$ _____ |
| White Oak | 3.80 MBF | \$ 59.00/MBF | \$ _____ |
| White Pine | 9.20 MBF | \$ 80.00/MBF | \$ _____ |
| Pulpwood | | | |
| Mixed Aspen | 2,857.00 Cords | \$ 38.00/Cord | \$ _____ |
| Mixed Hardwood | 145.00 Cords | \$ 32.50/Cord | \$ _____ |
| Mixed Oak | 49.00 Cords | \$ 11.10/Cord | \$ _____ |
| Red Maple | 1,519.00 Cords | \$ 32.50/Cord | \$ _____ |
| White Pine | 59.00 Cords | \$ 18.25/Cord | \$ _____ |

*The volumes are statistically estimated within plus (+) or minus (-) 8.32 percent. These estimated volumes 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.

I understand that any or all bids may be rejected. All bids must be signed and all bid items must be bid or the bid form may be rejected. I also understand that consideration and awarding a contract will be based upon my past performance and ability to complete the contract based upon equipment and staffing subject to my control.

FEDERAL ID: _____ or SOCIAL SECURITY NUMBER: _____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

IF AVAILABLE, PLEASE PLACE THE PERSONALIZED LABEL FROM YOUR PROSPECTUS IN THE ABOVE BOX.

Individual or company representative's signature: _____ Date: _____

Phone number : _____ Email (optional): _____

THE WINNING BIDDER MUST COMPLETE THE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE (ON REVERSE SIDE IF DOUBLE SIDED) WITHIN 21 DAYS OF SALE AWARD DATE



| |
|----------------------------------|
| FOR DEPARTMENT USE ONLY |
| Sale Number (XX - XXX - XX - XX) |
| Forest Management Unit: |

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

*As required by Act 317, P.A. 1969 (Worker's Compensation) and
Part 5 of Act 451 of 1994, as amended.*

VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

- This verification must be completed and submitted within 21 days of contract award and prior to the issuance of the timber sale contract.
- In addition, if boxes 2B or 2C are checked, then Notice of Exclusion or Certificate of Insurance must be submitted within twenty-one (21) days of the contract award and prior to the issuance of the timber sale contract.
- All information must be typed or printed except for written signatures.

Please Check Appropriate Categories:

1. My business is organized as (you **must** check one of the boxes below):
 - A. Sole Proprietorship (individual)
 - B. Partnership
 - C. Corporation
2. You **must** check one of the boxes below:
 - A. I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
 - B. I certify my business has satisfied its obligation to the Worker's Compensation Act through the use of an approved Notice of Exclusion (BWC-337, Rev. 5/96). I will provide a copy of the Notice of Exclusion within 21 days of the contract award. (For questions or a copy of the BWC-337, please call the Worker's Compensation Bureau at 517-322-1195).
 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

_____ Full-time Employees

_____ Part-time Employees

| | | | |
|------------------|-------|-------------------------------------|--|
| Name of Business | | Federal ID (or) Social Security No. | |
| Address | | Telephone () | |
| City | State | ZIP | |

I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.

Signature of Owner or Authorized Representative

Title

Date

Please complete the "SEALED BID" information on the next page

Cara del Rastro Aspen (73-011-16)
 ; Arenac COUNTY

In response to the notice of sale to be held 11:00 a.m. (local time) on March 15, 2017, I am hereby submitting my sealed bid (firm offer) for the following forest products to be cut. Bids for individual species must be at or above the advertised price. All non-responsive bid forms may be rejected.

| <u>PRODUCTS & SPECIES</u> | <u>ESTIMATED VOLUME*</u> | <u>ADVERTISED PRICE</u> | <u>BID PRICE</u> |
|-------------------------------|--------------------------|-------------------------|------------------|
| Sawtimber | | | |
| Green Ash | 6.90 MBF | \$ 60.00/MBF | \$ _____ |
| Mixed Aspen | 258.00 MBF | \$ 85.00/MBF | \$ _____ |
| Mixed Oak | 81.60 MBF | \$ 143.00/MBF | \$ _____ |
| Paper Birch | 3.80 MBF | \$ 38.00/MBF | \$ _____ |
| Red Maple | 37.70 MBF | \$ 70.00/MBF | \$ _____ |
| Red Oak | 38.20 MBF | \$ 222.00/MBF | \$ _____ |
| Red Pine | 12.50 MBF | \$ 156.00/MBF | \$ _____ |
| Pulpwood | | | |
| Mixed Aspen | 2,260.00 Cords | \$ 40.70/Cord | \$ _____ |
| Mixed Hardwood | 52.00 Cords | \$ 34.85/Cord | \$ _____ |
| Mixed Oak | 702.00 Cords | \$ 11.90/Cord | \$ _____ |
| Red Maple | 1,031.00 Cords | \$ 34.85/Cord | \$ _____ |
| Red Pine | 24.00 Cords | \$ 47.20/Cord | \$ _____ |

*The volumes are statistically estimated within plus (+) or minus (-) 10.93 percent. These estimated volumes 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.

I understand that any or all bids may be rejected. All bids must be signed and all bid items must be bid or the bid form may be rejected. I also understand that consideration and awarding a contract will be based upon my past performance and ability to complete the contract based upon equipment and staffing subject to my control.

FEDERAL ID: ____ - ____ - ____ or SOCIAL SECURITY NUMBER: ____ - ____ - ____

Company or individual bidding: _____

Company representative's name: _____

Address: _____

City: _____ State: _____ Zip: _____

IF AVAILABLE, PLEASE PLACE THE PERSONALIZED LABEL FROM YOUR PROSPECTUS IN THE ABOVE BOX.

Individual or company representative's signature: _____ Date: _____

Phone number : _____ Email (optional): _____

THE WINNING BIDDER MUST COMPLETE THE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE (ON REVERSE SIDE IF DOUBLE SIDED) WITHIN 21 DAYS OF SALE AWARD DATE



| FOR DEPARTMENT USE ONLY | |
|----------------------------------|--|
| Sale Number (XX - XXX - XX - XX) | |
| Forest Management Unit: | |

TIMBER SALE VERIFICATION OF WORKER'S DISABILITY COMPENSATION ACT COMPLIANCE

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2. You **must** check one of the boxes below:
 - A. I certify my business is a sole proprietorship and it has no employees but the sole proprietor. I am not subject to the Worker's Compensation Laws.
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 - C. I certify my business has a Worker's Compensation Policy. I will provide an original Certificate of Insurance within twenty-one (21) days of the contract award.
3. If you have checked item 2(A) or 2(B), you **must** indicate the number of **both** full-time and part-time employees, other than yourself, including family members and active partners (if none, you must enter "0").

_____ Full-time Employees

_____ Part-time Employees

| | | | |
|------------------|-------|-------------------------------------|--|
| Name of Business | | Federal ID (or) Social Security No. | |
| Address | | Telephone () | |
| City | State | ZIP | |

I hereby certify that the above information is true and correct. I agree to notify the Michigan DNR of any changes that occur in factors affecting my coverage during any of my present and future operations.

Signature of Owner or Authorized Representative

Title

Date

Please complete the "SEALED BID" information on the next page