



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN**

**TIMBER SALE PROSPECTUS #6874**

SCHEDULED SALE DATE AND TIME: **10:00 a.m. (local time) on November 23, 2021.**

LOCATION: **ATLANTA MGMT UNIT, 13501 M 33, ATLANTA, MI 49709.**

CONTACT NAME: Cody Stevens

PHONE NUMBER: (989) 785-4251

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

Thick N Thorny Aspen (54-031-20) / T29N, R08E, SEC. 25, SESW.

T29N, R08E, SEC. 36, NENW, NE.

Alpena County, Advertised Price \$27,917.85, 36.5 Acres, Aspen, Hardwood.

## TIMBER SALE INFORMATION

Thick N Thorny Aspen (54-031-20)  
T29N, R08E, SEC. 25; T29N, R08E, SEC. 36.  
Alpena County (Advertised Price \$27,917.85)

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 T-Sale computer program and our traditional volume equations. Bids must be at or above the following advertised price for each product and species:

| <u>PRODUCTS &amp; SPECIES</u> | <u>ESTIMATED UNITS*</u> | <u>ADVERTISED PRICE</u> |
|-------------------------------|-------------------------|-------------------------|
| Sawtimber                     |                         |                         |
| Mixed Aspen                   | 47.2 MBF                | \$ 105.00 / MBF         |
| Red Oak                       | 1.2 MBF                 | \$ 166.00 / MBF         |
| Sugar Maple                   | 9.1 MBF                 | \$ 403.00 / MBF         |
| Pulpwood                      |                         |                         |
| Balsam Fir                    | 4 Cords                 | \$ 16.35 / Cord         |
| Basswood                      | 66 Cords                | \$ 7.20 / Cord          |
| Mixed Aspen                   | 559 Cords               | \$ 26.65 / Cord         |
| Mixed Hardwood                | 133 Cords               | \$ 22.30 / Cord         |
| Paper Birch                   | 21 Cords                | \$ 11.50 / Cord         |
| Red Oak                       | 12 Cords                | \$ 37.50 / Cord         |

\* The total volume is statistically estimated within plus (+) or minus (-) 21.19 percent. There are an estimated 888 cords on this timber sale, plus or minus 188 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:**

- A bond in the amount of \$1,395.89 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
- Cutting in any sale or unit without the required advance payment would be considered a trespass.
- Total payment must be paid in advance or according to the following schedule :
  - Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
  - The 10% down payment will be credited towards the first unit cut.
  - 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                  | 36.7%                       |
| 02                  | 23.7%                       |
| 03                  | 39.6%                       |
- If no cutting takes place, the 10% down payment will not be refunded.
- Operations on the contract issued will terminate on 06/30/2024.

### **SALE STATISTICS**

#### **SALE VOLUMES**

| VOLUME           |             | STATISTICAL RANGE IN CORDS |         |         |
|------------------|-------------|----------------------------|---------|---------|
| TOTAL CUBIC FEET | TOTAL CORDS | PERCENT ERROR              | MINIMUM | MAXIMUM |
| 70,183           | 888         | 21.19%                     | 700     | 1,077   |

**VDU VOLUMES**

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

|        | VOLUME           |             |               | RANGE IN CORDS |         |
|--------|------------------|-------------|---------------|----------------|---------|
| VDU    | TOTAL CUBIC FEET | TOTAL CORDS | PERCENT ERROR | MINIMUM        | MAXIMUM |
| 60     | 43,205           | 547         | 26.61%        | 401            | 692     |
| 65     | 26,994           | 342         | 29.36%        | 241            | 442     |
| TOTAL: | 70,199           | 889         |               | 643            | 1,134   |

**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 |
|--------|-----------|----|----------|
| 60     | 26.3      | 1  | 16.0     |
|        |           | 2  | 10.3     |
| 65     | 10.2      | 3  | 10.2     |
| TOTAL: | 36.5      |    | 36.5     |

**DESCRIPTION OF TIMBER BY PU (PU)**

| PU | MARKET GROUP         | PRODUCT          | QUANTITY | UNIT         | ACRES | ADVERTISE PRICE |
|----|----------------------|------------------|----------|--------------|-------|-----------------|
| 1  | Mixed Aspen          | Sawtimber        | 15.9     | MBF          | 16.0  | \$10,247.85     |
|    | <i>B. T. Aspen</i>   |                  | 6.3      | <i>MBF</i>   |       |                 |
|    | <i>Quaking Aspen</i> |                  | 9.6      | <i>MBF</i>   |       |                 |
|    | Red Oak              |                  | 0.7      | MBF          |       |                 |
|    | Sugar Maple          |                  | 2.5      | MBF          |       |                 |
|    | Balsam Fir           | Pulpwood         | 2        | Cords        |       |                 |
|    | Basswood             |                  | 11       | Cords        |       |                 |
|    | <i>Basswood</i>      | <i>Sawtimber</i> | 0.9      | <i>MBF</i>   |       |                 |
|    | <i>Basswood</i>      | <i>Pulpwood</i>  | 9        | <i>Cords</i> |       |                 |
|    | Mixed Aspen          |                  | 223      | Cords        |       |                 |
|    | <i>B. T. Aspen</i>   |                  | 58       | <i>Cords</i> |       |                 |
|    | <i>Quaking Aspen</i> |                  | 165      | <i>Cords</i> |       |                 |
|    | Mixed Hardwood       |                  | 51       | Cords        |       |                 |
|    | <i>Red Maple</i>     | <i>Sawtimber</i> | 1.2      | <i>MBF</i>   |       |                 |
|    | <i>Black Cherry</i>  | <i>Pulpwood</i>  | 7        | <i>Cords</i> |       |                 |
|    | <i>Ironwood</i>      |                  | 1        | <i>Cords</i> |       |                 |
|    | <i>Paper Birch</i>   |                  | 9        | <i>Cords</i> |       |                 |
|    | <i>Red Maple</i>     |                  | 23       | <i>Cords</i> |       |                 |
|    | <i>Sugar Maple</i>   |                  | 7        | <i>Cords</i> |       |                 |
|    | <i>White Ash</i>     |                  | 2        | <i>Cords</i> |       |                 |
|    | Red Oak              |                  | 7        | Cords        |       |                 |
| 2  | Mixed Aspen          | Sawtimber        | 10.2     | MBF          | 10.3  | \$6,616.25      |
|    | <i>B. T. Aspen</i>   |                  | 4.1      | <i>MBF</i>   |       |                 |
|    | <i>Quaking Aspen</i> |                  | 6.1      | <i>MBF</i>   |       |                 |
|    | Red Oak              |                  | 0.5      | MBF          |       |                 |
|    | Sugar Maple          |                  | 1.6      | MBF          |       |                 |
|    | Balsam Fir           | Pulpwood         | 2        | Cords        |       |                 |
|    | Basswood             |                  | 7        | Cords        |       |                 |
|    | <i>Basswood</i>      | <i>Sawtimber</i> | 0.5      | <i>MBF</i>   |       |                 |
|    | <i>Basswood</i>      | <i>Pulpwood</i>  | 6        | <i>Cords</i> |       |                 |
|    | Mixed Aspen          |                  | 143      | Cords        |       |                 |
|    | <i>B. T. Aspen</i>   |                  | 37       | <i>Cords</i> |       |                 |
|    | <i>Quaking Aspen</i> |                  | 106      | <i>Cords</i> |       |                 |
|    | Mixed Hardwood       |                  | 33       | Cords        |       |                 |
|    | <i>Red Maple</i>     | <i>Sawtimber</i> | 0.7      | <i>MBF</i>   |       |                 |
|    | <i>Black Cherry</i>  | <i>Pulpwood</i>  | 4        | <i>Cords</i> |       |                 |
|    | <i>Ironwood</i>      |                  | 1        | <i>Cords</i> |       |                 |
|    | <i>Paper Birch</i>   |                  | 6        | <i>Cords</i> |       |                 |
|    | <i>Red Maple</i>     |                  | 15       | <i>Cords</i> |       |                 |
|    | <i>Sugar Maple</i>   |                  | 5        | <i>Cords</i> |       |                 |
|    | <i>White Ash</i>     |                  | 1        | <i>Cords</i> |       |                 |
|    | Red Oak              |                  | 5        | Cords        |       |                 |
| 3  | Mixed Aspen          | Sawtimber        | 21.1     | MBF          | 10.2  | \$10,789.95     |
|    | <i>B. T. Aspen</i>   |                  | 16.6     | <i>MBF</i>   |       |                 |
|    | <i>Quaking Aspen</i> |                  | 4.5      | <i>MBF</i>   |       |                 |
|    | Sugar Maple          |                  | 5.0      | MBF          |       |                 |
|    | Basswood             | Pulpwood         | 48       | Cords        |       |                 |
|    | <i>Basswood</i>      | <i>Sawtimber</i> | 1.8      | <i>MBF</i>   |       |                 |
|    | <i>Basswood</i>      | <i>Pulpwood</i>  | 44       | <i>Cords</i> |       |                 |
|    | Mixed Aspen          |                  | 193      | Cords        |       |                 |
|    | <i>B. T. Aspen</i>   |                  | 126      | <i>Cords</i> |       |                 |
|    | <i>Quaking Aspen</i> |                  | 67       | <i>Cords</i> |       |                 |
|    | Mixed Hardwood       |                  | 48       | Cords        |       |                 |
|    | <i>Paper Birch</i>   | <i>Sawtimber</i> | 0.9      | <i>MBF</i>   |       |                 |
|    | <i>Red Maple</i>     |                  | 0.9      | <i>MBF</i>   |       |                 |

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

| PU      | MARKET GROUP       | PRODUCT         | QUANTITY  | UNIT         | ACRES | ADVERTISE PRICE |
|---------|--------------------|-----------------|-----------|--------------|-------|-----------------|
| 3 con't | <i>Ironwood</i>    | <i>Pulpwood</i> | <i>4</i>  | <i>Cords</i> |       |                 |
|         | <i>Paper Birch</i> |                 | <i>4</i>  | <i>Cords</i> |       |                 |
|         | <i>Red Maple</i>   |                 | <i>19</i> | <i>Cords</i> |       |                 |
|         | <i>Sugar Maple</i> |                 | <i>17</i> | <i>Cords</i> |       |                 |
| TOTAL:  |                    |                 | 57.5      | MBF          |       |                 |
| TOTAL:  |                    |                 | 773       | Cords        |       |                 |

## **Sale Specific Conditions & Requirements**

**Sale Name: Thick N Thorny Aspen**

**Sale Number: 54-031-20 Seq#: 2**

### **1 - Sale Area**

#### **1.2 - Boundaries**

##### **1.2.1 - Painted boundaries (9/19)**

The sale boundary and Payment Unit boundaries are marked and identified by 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 patches are marked with red paint; no harvesting activities may occur within these areas. 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) 1-3, cut all trees that are two (2) inches or more at DBH, except do not cut any cedar.

### **3 - Payments**

#### **3.4 - Damaged Timber**

##### **3.4.1 - Damaged timber (7/16)**

General Condition and Requirement 3.4 Damaged Timber, defines liquidated damages for undesignated live merchantable trees which are cut or injured.

No damage is acceptable to undesignated live merchantable trees. Within the Sale Area, if more than 5% of trees (> 4.5" DBH) within a specified area of the sale are damaged, liquidated damages will be assessed for all trees damaged. Rates will be in accordance with General Condition and Requirement 3.4 Damaged Timber.

### **4 - Transportation**

#### **4.1 - Construction**

##### **4.1.3 - Slash and earthen piles (8/04)**

Piles or windrows of earth along roads and landings that have been widened or constructed shall be leveled. Slash from road maintenance or construction, including stumps, shall be 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 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. One road will require limestone blocks to be placed at the entrance of the road. These roads must be rendered impassable to cars and trucks. Contact the sale administrator for specific details of design and placement.

#### **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 (10/16)

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. The Unit Manager or his/her representative must be contacted at least 10 days in advance to schedule the conference.

#### 5.1.4 - Post-sale conference (10/16)

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

#### 5.2.2 - 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

##### 5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in any Payment Unit must be completed before significant deciduous sprouting occurs in that Payment Unit to minimize damage to the new regeneration. Any post-harvest operations, such as chipping, must be completed within 30 days of severing cut stems. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location or left unchipped. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

#### 5.2.4 - Dead and Down Creation

##### 5.2.4.6 - Dead and down creation, other (9/09)

To encourage cottontail rabbit populations, the Purchaser is to create one brush pile throughout the sale for every 2 acres. Each brush pile should be constructed from 6 treetops. Brush piles should be spread-out evenly throughout the sale.

##### 5.2.4.7 - Dead and down creation: hare, grouse, deer and other species (5/15)

To improve horizontal cover habitat for snowshoe hare, grouse, deer, and other species, the Purchaser is to push over one 12-inch DBH or larger tree for every 2 acres. These trees should be tipped over with the root ball still attached so the base of the tree is suspended off the ground. The crown of the fallen tree should be at or near ground level after it is pushed over. If the tree cannot be pushed it may be hinge cut so that the base of the tree is still suspended off the ground.

#### 5.2.17 - Timber Mats and Interlocking Composite Mats (3/18)

The road leading into Payment Units 1 and 2 will require extra protection such as that afforded by timber mats, interlocking composite mats, or another approved system. If available, mats may be borrowed from the DNR. A Timber Sale Contract Supplement will be used to document the Purchaser's use of the DNR's mats. Contact the sale administrator regarding availability and pick-up. Timber mats are available from various field offices. Composite mats are only available from the Grayling field office. The Purchaser is responsible for picking up and hauling the mats to and from the site. The composite mats will require DNR staff onsite for installation and removal. Contact the sale administrator to schedule at least 30 days before desired install/removal date. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud and debris. A charge of \$400.00 per timber mat and \$2,000.00 per composite mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants. Damage for the composite mats is defined as cracked or broken mats.

#### 5.2.32 - 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.

5.4 - 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 greater than 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.



**TIMBER SALE MAP**

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

|             |      |
|-------------|------|
| Sale Number | Year |
| 54 - 031    | 20   |

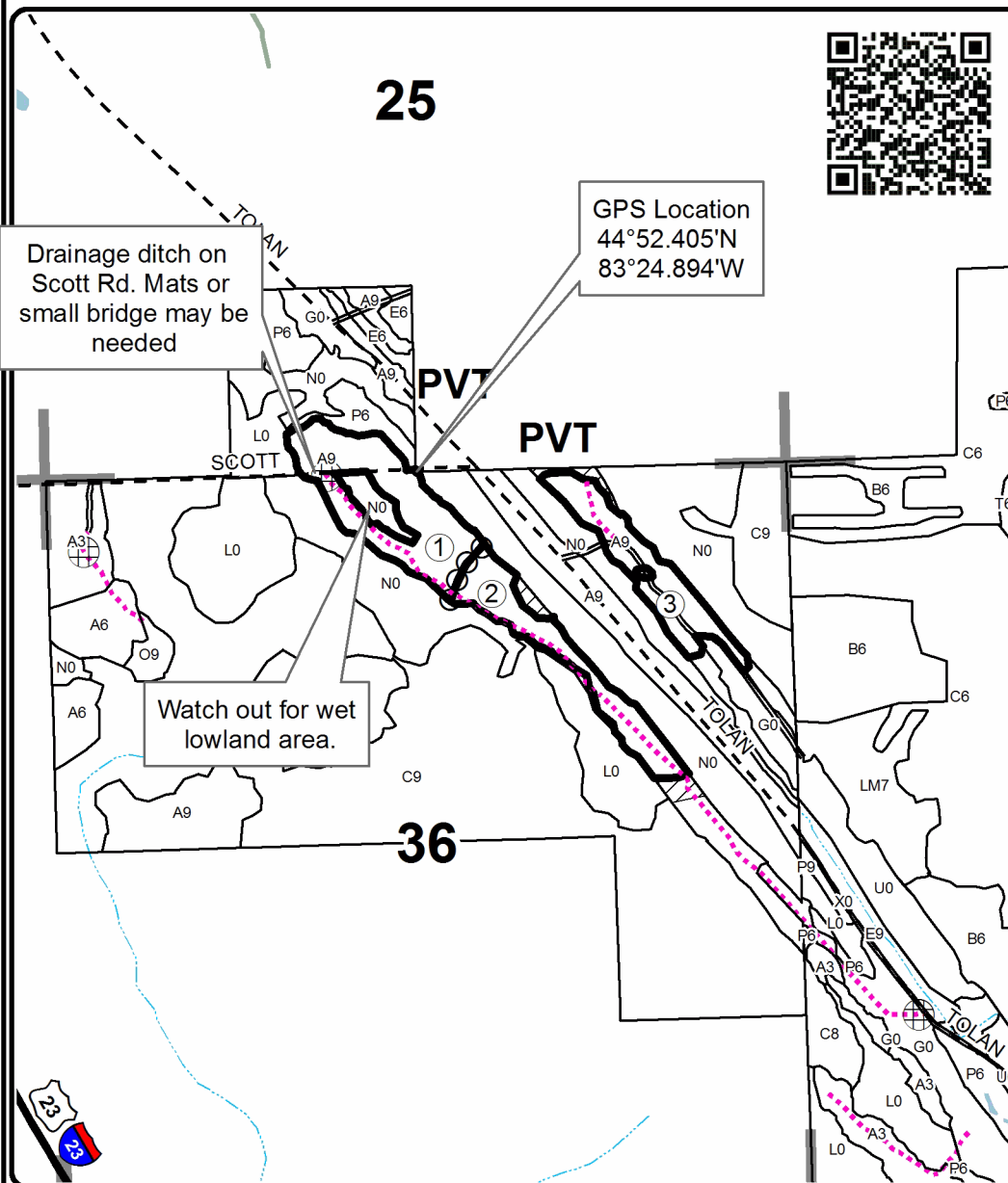
|                                   |                  |  |                    |           |         |
|-----------------------------------|------------------|--|--------------------|-----------|---------|
| Forest Management Unit<br>Atlanta | County<br>Alpena | Mapped By<br>Collin Zaremba                                    | Date<br>08/12/2020 | Page<br>1 | of<br>1 |
| Township<br>29N                   | Range<br>08E     | Section(s) and Subdivision(s)<br>Sec 25: SESW; Sec 36: NENW,NE | Scale<br>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            |                   |                             |                        |

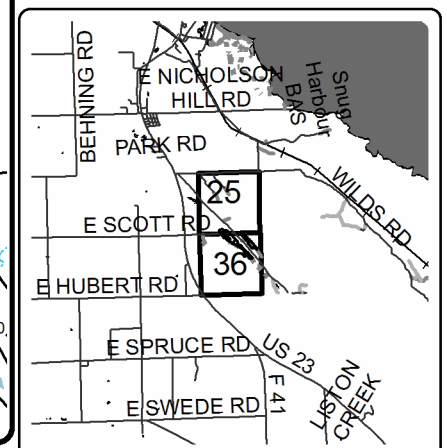
| PU | Acres |
|----|-------|
| 1  | 16    |
| 2  | 10.3  |
| 3  | 10.2  |

## Thick N Thorny Aspen

Compartment 84  
36.5 Acres

**Legend**

- Against State (Red)
- Payment Unit (Yellow)
- Stand Boundaries
- ▨ Retention Area
- Highway
- Secondary Forest Road
- - Gravel Road
- Private
- ... Temporary Management Access
- ... Intermittent Stream
- Lakes and Rivers
- Section Corners
- Payment Unit Number
- ⊕ Berms

**Locator Map**  
1:200,000

0 0.125 0.25 0.5 0.75 1 Miles