



**DEPARTMENT OF NATURAL RESOURCES  
STATE OF MICHIGAN**

**TIMBER SALE PROSPECTUS #6170**

SCHEDULED SALE DATE AND TIME: 2:00 p.m. (local time) on March 28, 2018.

LOCATION: SHINGLETON MGMT UNIT, PO BOX 67 M-28 WEST, SHINGLETON, MI 49884.

CONTACT NAME: Robert Burnham

PHONE NUMBER: (906) 452-6227

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

Bean Poles Perfect Pine (41-041-17)

Schoolcraft County, Advertised Price \$363,172.45, 399.0 Acres, Jack Pine, Red Pine.

SALE NOTE: It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line right-of-way for operations.

Within Payment Unit 11, harvesting is not permitted during the period of April 15 to July 15 due to bark slippage.

The Danaher Plains ORV Trail is shown on the Timber Sale Map. See Sale Spec 5.2.39 and 6.2.3 for restrictions.

The Star Road is a snowmobile trail shown on the Timber Sale Map. See Sale Spec 5.2.41 for additional information.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions. Access may be through other public land.

## TIMBER SALE INFORMATION

### Bean Poles Perfect Pine (41-041-17)

Schoolcraft County (Advertised Price \$363,172.45)

**SALE NOTE:** It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line right-of-way for operations.

Within Payment Unit 11, harvesting is not permitted during the period of April 15 to July 15 due to bark slippage.

The Danaher Plains ORV Trail is shown on the Timber Sale Map. See Sale Spec 5.2.39 and 6.2.3 for restrictions.

The Star Road is a snowmobile trail shown on the Timber Sale Map. See Sale Spec 5.2.41 for additional information.

A recreation site such as a trail, pathway, or campground is within the sale area or the vicinity. Certain restrictions/specifications may be applicable including time restrictions. Access may be through other public land.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. Bids must be at or above the following advertised price for each species:

<u>PRODUCTS &amp; SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
Red Maple	0.60 MBF	\$ 133.00 / MBF
Sugar Maple	2.70 MBF	\$ 385.00 / MBF
Pulpwood		
Balsam Fir	19.00 Cords	\$ 23.40 / Cord
Jack Pine	3,894.00 Cords	\$ 48.35 / Cord
Mixed Hardwood	244.00 Cords	\$ 20.80 / Cord
Paper Birch	8.00 Cords	\$ 23.95 / Cord
Quaking Aspen	230.00 Cords	\$ 35.80 / Cord
Red Pine	2,193.00 Cords	\$ 68.30 / Cord
White Pine	296.00 Cords	\$ 29.30 / Cord
White Spruce	43.00 Cords	\$ 32.05 / Cord

### **BOND AND PAYMENT SCHEDULE:**

1. A bond in the amount of \$18,158.62 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 06/30/2021.

**Description of Timber by Payment Unit (PU)**

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Jack Pine Red Pine White Pine	Pulpwood	2.0 335.0 30.0	Cords Cords Cords	36.2	\$23,856.20
2	Jack Pine Mixed Hardwood <i>Red Maple</i> Paper Birch Quaking Aspen Red Pine White Pine	Pulpwood	1,065.0 5.0 5.0 8.0 37.0 18.0 9.0	Cords Cords <i>Cords</i> Cords Cords Cords Cords	38.2	\$54,606.05
3	Jack Pine Mixed Hardwood <i>Red Maple</i> Quaking Aspen White Pine	Pulpwood	777.0 20.0 20.0 40.0 3.0	Cords Cords <i>Cords</i> Cords Cords	39.8	\$39,503.85
4	Jack Pine Mixed Hardwood <i>Red Maple</i> Red Pine White Pine	Pulpwood	106.0 9.0 9.0 257.0 13.0	Cords Cords <i>Cords</i> Cords Cords	33.4	\$23,246.30
5	Mixed Hardwood <i>Red Maple</i> Red Pine	Pulpwood	1.0 1.0 128.0	Cords <i>Cords</i> Cords	18.9	\$8,763.20
6	Jack Pine Mixed Hardwood <i>Red Maple</i> Red Pine	Pulpwood	4.0 2.0 2.0 71.0	Cords Cords <i>Cords</i> Cords	14.4	\$5,084.30
7	Red Pine White Pine	Pulpwood	219.0 9.0	Cords Cords	31.7	\$15,221.40
8	Jack Pine Mixed Hardwood <i>Red Maple</i> Quaking Aspen Red Pine White Pine White Spruce	Pulpwood	616.0 3.0 3.0 52.0 286.0 34.0 4.0	Cords Cords <i>Cords</i> Cords Cords Cords Cords	49.7	\$52,365.80
9	Jack Pine Mixed Hardwood <i>Red Maple</i> Red Pine White Pine White Spruce	Pulpwood	707.0 16.0 16.0 603.0 6.0 4.0	Cords Cords <i>Cords</i> Cords Cords Cords	43.3	\$76,005.15
10	Jack Pine Quaking Aspen Red Pine White Pine	Pulpwood	614.0 9.0 276.0 34.0	Cords Cords Cords Cords	39.5	\$49,856.10
11	Red Maple Sugar Maple Balsam Fir Mixed Hardwood <i>Black Cherry</i> <i>Red Maple</i> <i>Sugar Maple</i> White Pine	Sawtimber  Pulpwood	0.6 2.7 12.0 140.0 3.0 23.0 114.0 32.0	MBF MBF Cords Cords <i>Cords</i> <i>Cords</i> <i>Cords</i> Cords	39.9	\$5,538.15

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
11 con't	White Spruce	Pulpwood	9.0	Cords		
12	Balsam Fir	Pulpwood	1.0	Cords	3.3	\$2,281.75
	Jack Pine		3.0	Cords		
	Mixed Hardwood		4.0	Cords		
	Red Maple		4.0	Cords		
	Quaking Aspen		32.0	Cords		
	White Pine		28.0	Cords		
	White Spruce		2.0	Cords		
13	Balsam Fir	Pulpwood	6.0	Cords	10.7	\$6,844.20
	Mixed Hardwood		44.0	Cords		
	Black Cherry		5.0	Cords		
	Red Maple		39.0	Cords		
	Quaking Aspen		60.0	Cords		
	White Pine		98.0	Cords		
	White Spruce		24.0	Cords		
TOTAL:			3.3	MBF		
TOTAL:			6,927.0	Cords		

## **Sale Specific Conditions & Requirements**

**Sale Name: Bean Poles Perfect Pine**

**Sale Number: 41-041-17 Seq#: 2**

### **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, with the exception of the boundary between Payment Units 10 and 12, which is marked with red 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) 2-4, 7-10, 12 & 13, cut all trees that are two (2) inches or more at DBH, except hemlock and oak. Special protection trees identified in accordance with condition 3.4.2, within clearcutting unit boundaries, are not Included Timber and are to be protected.

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

Within Payment Unit(s) 1, 5, 6 and 11, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

#### **2.2 - Utilization**

##### **2.2.3 - Stump heights (4/07)**

Stump heights within Payment Unit(s) 1-10 shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH. This is in order to facilitate planting operations.

### **3 - Payments**

#### **3.3 - Pre-measured Sales**

##### **3.3.4 - Dividing payment units (7/14)**

Payment Unit(s) over \$15,000 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.

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

##### **3.4.2 - Special Protection Trees (4/14)**

The Purchaser shall not cut live or dead special protection trees within cutting units or clearings. Special protection trees are hemlock and oak. If the Purchaser's operations have cut or damaged special protection trees through carelessness, the Purchaser shall pay \$100 as fixed, agreed and liquidated damages for each special protection tree cut or damaged. Such payment does not constitute ownership of the undesignated 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.

##### **4.1.4 - Timber removed for construction (12/09)**

Trees cut or damaged in the process of pre-approved road, landing or skid trail construction will be decked in an area separate

from other Designated Timber and not removed until measured by the sale administrator. Payment will be made at the specified Purchase Unit Price.

#### 4.1.6 - 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 double earthen berms at strategic locations. 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.

### 4.2 - Maintenance

#### 4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or bull dozer to shape up the roads after forest products have been hauled off site. This includes cleaning of drainage areas, grading, crowning and filling with gravel, if necessary. The grading equipment to be used must be approved by the Unit Manager or his/her representative.

## 5 - Operations

### 5.1 - 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 5 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.

#### 5.1.6 - Utility R.O.W. (1/15)

It is the responsibility of the Purchaser to obtain permission from the utility company to utilize the power line R.O.W. for operations.

### 5.2 - Conduct of Operations

#### 5.2.1 - Slash

##### 5.2.1.11 - Slash for reforestation (5/07)

To facilitate reforestation, Payment Units 1-10 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. In addition, slash within Payment Units 4 & 7 must be processed as small as practically possible, and lopped into pieces no longer than 3 feet.

#### 5.2.2 - Hazard Trees/Snags

##### 5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard.

#### 5.2.3 - Operating Restrictions

##### 5.2.3.3 - Bark slippage restriction (3/09)

Within Payment Unit(s) 11, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

#### 5.2.3.6 - Bark beetle restriction (12/08)

In the event drought creates a high risk of pine bark beetle infestation, pine is not to be cut during the period March 1 through July 1, unless all portions of trees greater than two inches in diameter are removed from the sale area, reduced to chips, or treated to the satisfaction of the Unit Manager or his/her representative, within fifteen days of being severed from the stump. Pine log decks, pulpwood piles and treetops that are piled for chipping in the fall or winter within a 1/4 mile of susceptible sites must be removed before March 15. Residual slash must not be placed in piles or rows and must be spread over the site for quick drying. The Department of Natural Resources will exercise this specification if the risk of damage warrants.

#### 5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

#### 5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

#### 5.2.39 - ORV trail/route protection (12/12)

The Danaher Plains ORV Trail is shown on the Timber Sale Map. Do not cut trees or damage posts with orange ORV markers. All stumps within 5 feet of the trail must be cut flush with the ground. Maintain a 20 foot wide slash, debris, and rut free zone daily using the ORV trail or route as the centerline. Do not run equipment down the ORV trail or route. Skidding across the trail or route may only occur in locations approved by the sale administrator.

#### 5.2.41 - Snowmobile trail protection (9/11)

The Star Road is a snowmobile trail and 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 for hauling, it must be graded to the satisfaction of the Unit Manager or his/her representative prior to December 1st. The snowmobile trail may not be used for any timber sale operations from December 1 to March 31.

### 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

#### 5.8.3 - Red shoulder hawk or goshawk (2/16)

In the event that an active red shoulder hawk or goshawk nest is found, the contract may be amended to protect the nest site until the nest is determined to be inactive. The value of the trees in this excluded area will be refunded or credited to the Purchaser. The nest will be buffered with a five-chain radius (eight acre) protection area, centered on the nest tree, in which there will be no cutting or new roads constructed. Avoid human disturbance, including loading and skidding, in the protection area.

An additional zone of five chains (ten chains centered on the active nest tree) will be established in which there is no management activity from March 1 to August 15. Limit biomass harvesting and chipping operations within this ten-chain zone, retain the maximum one-third of residues per the Woody Biomass Harvesting Guidelines (Michigan DNR 2010). Nests determined to be inactive will be protected with a one-chain no-harvest buffer.

## 6 - Safety and Fire Prevention

### 6.2 - Signing

#### 6.2.3 - Recreational trail posting (2/10)

The Purchaser is responsible for posting and maintaining caution signs on the Danaher Plains ORV Trail prior to beginning

operations. The trail must be posted at appropriate distances from the sale area to warn of logging activity and truck traffic at both ends of the trail. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

## **7 - Other Conditions**

### **7.3 - Contract Modifications**

#### **7.3.1 - Emerald Ash Borer**

##### **7.3.1.2 - Emerald ash borer, ash or firewood on sale (2/05)**

There is ash and/or "firewood" in this sale and it is located within an emerald ash borer quarantined area. The Director of the Michigan Department of Agriculture (MDA) by the authority of Act No. 72 of the Public Acts of 1945, as amended, and Quarantine Regulation No. 620, has promulgated this quarantine to prevent the further spread of this pest and sets forth: definitions, regulated articles, regulated areas, conditions of movement, violations and penalties, and special exemptions. The Purchaser must comply with this quarantine. Contact the MDA for further information.





## TIMBER SALE MAP

This information provided by authority of Part 5, 1994 PA 451, as amended.

Sale Number	Year
41-41	2017

Forest Management Unit Shingleton	County Schoolcraft	Mapped By Peter Warren Holodnick	Date 9/27/17	Page 1	of 2
Compartment Number 108	Township 47N	Range 13W	Section(s) and Subdivision(s) 28- SENE, NESE, SESE 27- SWSW 33-NENE, SENE, SWNE, NESE, NWSE 34-NWNW, SWNW, NWSW	Continued page 2	

## Cover Type

A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous	Z = Water	
H = Hemlock	N = Marsh		

## 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

## Beau Poles Perfect Pine

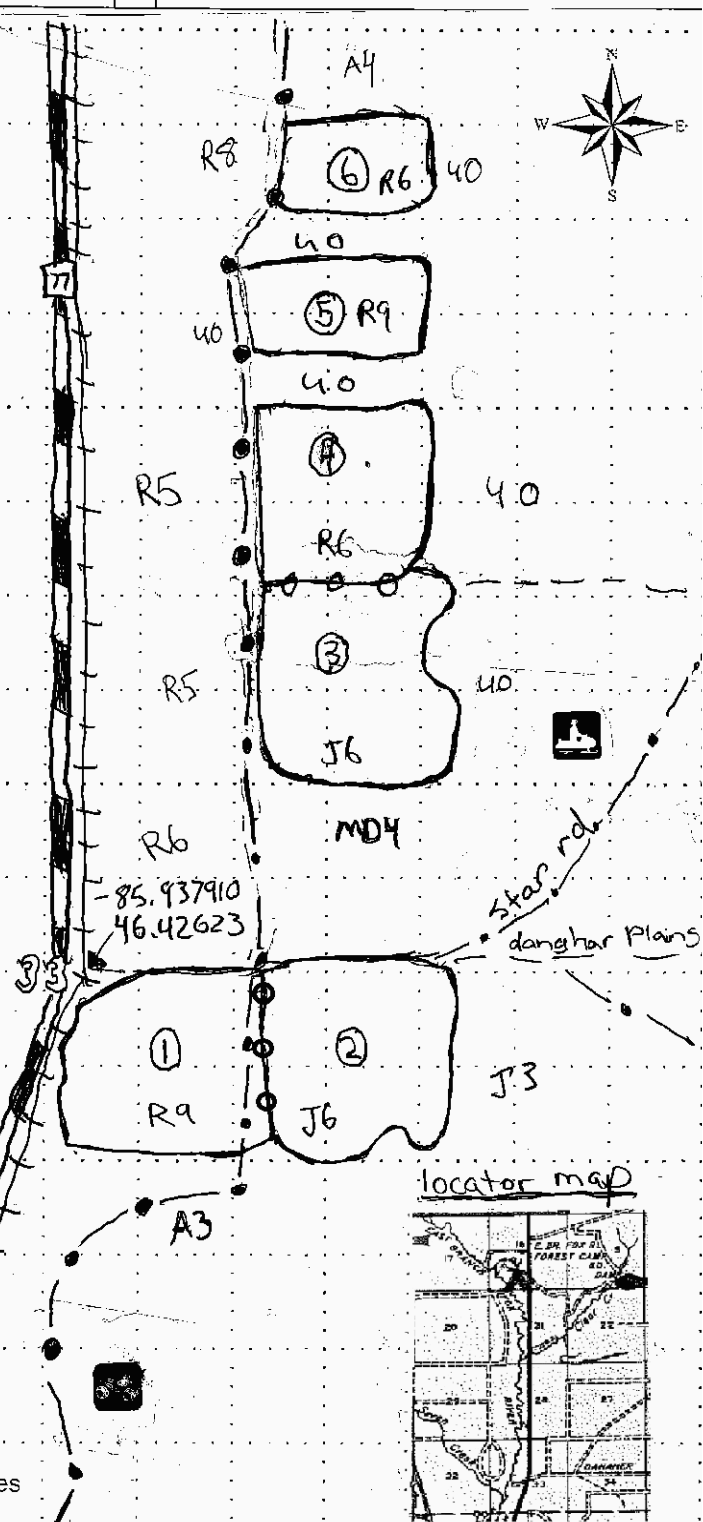
## Legend

399 Acres

- Timber sale boundary (Red)  
payment unit lines (yellow)  
east branch fox river  
snowmobile trail  
ATV trail  
payment unit  
M77 Highway  
telephone line  
dirt road

unit	Acres
1	36.2
2	38.2
3	39.8
4	33.4
5	18.9
6	14.4

Fox river



0.5 0.25 0 Miles

41-41

2017

## TIMBER SALE MAP

*This information provided by authority of Part 5, 1994 PA 451, as amended.*

Forest Management Unit Shingleton	County Schoolcraft	Mapped By Peter Warren Holodnick	Date 9/27/17	Page 2	of 2
Compartiment Number 108	Township 47N	Range 13W	Section(s) and Subdivision(s) 15-SWNW, NWSW, SWSW 16-SENE, SWNE, NESE, NWSE, SESE, SWSE 21-NENE, NWNE, SWNE, NWSE		
Cover Type			Density		
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand		
G = Grass	MD = Mixed Deciduous	Z = Water			
H = Hemlock	N = Marsh				

Legend

Timber Sale boundary (Red) ~

Payment unit lines (Yellow) Aa

river ~

M77 Highway [thick black line]

telephone lines +++

clint road ---

Pond [wavy line]

Camp. site [triangle in square]

ATV trail —●—

Unit	Acres
7	31.7
8	49.8
9	43.3
10	39.5
11	39.9
12	3.3
13	10.7
Total	399 ac

