



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7165**

SCHEDULED SALE DATE AND TIME: **11:00 a.m. (local time) on January 4, 2023.**

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

CONTACT NAME: Cynthia McQueer

PHONE NUMBER: (269) 762-1762

PROSPECTUS NOTE: The bidder is advised to inspect the sale area and review the location, estimated volumes, operating costs and contract terms of proposed sales. Please be aware that some landowners may request 60 days or more notice for access across their land.

Notice is hereby given that bids will be received by the Game Area Manager , BARRY SGA, for certain timber on the following described lands:

Glass Creek (20-001-22) / T02N, R09W, SEC. 5 , NENW,S1/2NW,N1/2NE,SWNE,SWSW.

T02N, R09W, SEC. 6 , SWNE,S1/2SW,NWSE,S1/2SE.

T02N, R09W, SEC. 7 , NENE.

T02N, R09W, SEC. 8 , W1/2NW.

Barry County, Advertised Price \$104,063.20, 73.6 Acres, Aspen, Red Pine.

SALE NOTE: Access may be through other public land.

TIMBER SALE INFORMATION

Glass Creek (20-001-22)

T02N, R09W, SEC. 5; T02N, R09W, SEC. 6; T02N, R09W, SEC. 7; T02N, R09W, SEC. 8.

Barry County (Advertised Price \$104,063.20)

SALE NOTE: Access may be through other public land.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the Inventory Manager computer program and the new Michigan taper model. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
B. T. Aspen	175.9 MBF	\$ 55.00 / MBF
Black Cherry	65.2 MBF	\$ 98.00 / MBF
Black Walnut	34.3 MBF	\$ 1,050.00 / MBF
Misc. Species 1	12.0 MBF	\$ 27.00 / MBF
Red Maple	28.1 MBF	\$ 61.00 / MBF
Red Pine	448.4 MBF	\$ 55.00 / MBF
Sugar Maple	4.5 MBF	\$ 127.00 / MBF
Pulpwood		
B. T. Aspen	479 Cords	\$ 12.50 / Cord
Jack Pine	159 Cords	\$ 7.90 / Cord
Mixed Hardwood	366 Cords	\$ 9.95 / Cord
Red Pine	596 Cords	\$ 23.20 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 23.68 percent. There are an estimated 3,267 cords on this timber sale, plus or minus 774 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$5,203.16 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.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

PAYMENT UNIT NUMBER	PERCENT OF TOTAL SALE VALUE
01	41.2%
02	58.8%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/01/2025.

SALE STATISTICS

Volumes were calculated in cubic feet using the Michigan taper model. Cubic foot volume includes all wood inside bark for the product indicated. For display purposes, cubic feet were converted to cords and MBF using a simple conversion factor, e.g. 79 cubic feet per cord and 185 cubic feet per MBF. The cubic foot volumes are precise; the cords and MBF volumes are not. Cubic foot volume cannot be directly converted to cords or boards with precision.

SALE VOLUMES

The total estimated sale volume may not equal the sum of the species/products due to the nature of statistical calculations associated with double sampling methodology.

VOLUME			STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
258,060	3,267	23.68%	2,493	4,040

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
1	2,347	30	318.24%	65	124
2	16,176	205	72.63%	56	353
3	4,332	55	240.97%	77	187
4	5,342	68	136.39%	25	160
5	39,628	502	119.56%	98	1,101
6	50,072	634	39.26%	385	883
7	2,973	38	203.13%	39	114
8	22,926	290	42.35%	167	413
9	45,433	575	71.17%	166	984
10	22,390	283	114.41%	41	608
11	11,608	147	136.95%	54	348
12	12,875	163	252.52%	249	575
13	21,958	278	94.09%	16	539
TOTAL:	258,060	3,267		143	6,390

VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
1	1.8	1	1.8
2	3.1	1	3.1
3	2.6	1	2.6
4	2.4	1	2.4
5	8.5	1	8.5
6	7.6	1	7.6
7	3.3	1	3.3
8	11.8	2	11.8
9	10.1	2	10.1
10	4.7	2	4.7
11	6.2	2	6.2
12	6.3	2	6.3
13	5.2	2	5.2
TOTAL:	73.6		73.6

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	20.5	MBF	29.3	\$42,887.50
	Black Cherry		35.7	MBF		
	Black Walnut		7.3	MBF		
	Red Maple		17.5	MBF		
	Red Pine		309.1	MBF		
	B. T. Aspen	Pulpwood	48	Cords		
	Jack Pine		78	Cords		
	Mixed Hardwood		76	Cords		
	Black Cherry		31	Cords		
	Black Walnut		4	Cords		
	Red Maple		33	Cords		
	Sassafras		8	Cords		
	Red Pine		455	Cords		
2	B. T. Aspen	Sawtimber	155.4	MBF	44.3	\$61,175.70
	Black Cherry		29.5	MBF		
	Black Walnut		27.0	MBF		
	Misc. Species 1		12.0	MBF		
	Poplar (Tulip Tree)		12.0	MBF		
	Red Maple	Pulpwood	10.6	MBF		
	Red Pine		139.3	MBF		
	Sugar Maple		4.5	MBF		
	B. T. Aspen		431	Cords		
	Jack Pine		81	Cords		
	Mixed Hardwood		290	Cords		
	Black Cherry		93	Cords		
	Black Walnut		29	Cords		
	Red Maple		84	Cords		
	Sassafras		43	Cords		
	Sugar Maple		8	Cords		
	Poplar (Tulip Tree)		33	Cords		
	Red Pine		141	Cords		
TOTAL:			768.4	MBF		
TOTAL:			1,600	Cords		

Sale Specific Conditions & Requirements

Sale Name: Glass Creek

Sale Number: 20-001-22 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 red paint. Vernal pool patches are marked with red paint; no harvesting activities may occur within these areas.

2 - Timber Specifications

2.1 - Included Timber

2.1.4 - Designated timber unit(s) (6/17)

Within Payment Unit(s) 1 & 2, all red pine, jack pine, scotch pine, aspen, and tulip trees which meet minimum piece specifications in 2.2 - Utilization are designated for cutting. In addition, red maple, sugar maple, and black cherry less than 18 inches at DBH which meet minimum piece specifications are designated for cutting. Also, black walnut 18 inches or greater at DBH are designated for cutting.

2.1.11 - Description of timber note (2/04)

Note that Misc. Species 1 = Yellow Poplar (Tulip Tree) sawtimber.

4 - Transportation

4.1 - Construction

4.1.7 - Road closure (10/11)

All new access paths built into the sale must be blocked to vehicle traffic within 30 days of completion of hauling. In general, this will require constructing double earthen berms with stumps, logs and slash at strategic locations. Temporary berms may be required if no sale activity occurs for 30 or more consecutive days. Contact the sale administrator for specific details of design and placement.

4.1.12 - No new roads (1/12)

No new roads will be permitted in any Payment Unit. All operations are limited to existing roads. Skid trails only will be allowed.

4.3 - Public Right-of-Way

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

The county must be contacted prior to crossing or harvesting in the county road R-O-W.

4.4 - Access

4.4.3 - Access gate (12/08)

The access gate must be locked at all times. This is to prevent someone other than the Purchaser from going through the gate and being locked in.

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

5.2.3.2 - Operating restrictions (9/11)

Within Payment Unit(s) 1 & 2, unless changed by written agreement, cutting, skidding, and hauling are limited to the period of August 1 to March 1. This restriction is to reduce the risk of spreading forest pathogens such as oak wilt, and to reduce disturbances to wildlife during nesting seasons.

5.2.29 - Shrub protection (1/20)

Do not cut or damage hawthorn, witch-hazel, dogwood or junberry. These woody-shrub plants are highly beneficial to various wildlife species.

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

5.4.2 - Skid trails (2/04)

Skid trails up and down slopes should be avoided. If however this is unavoidable, these trails will be left in a non-erodible condition using water bars, logs, and slash. Placing of slash on these skid trails while logging is ongoing may alleviate need for any further action. At the direction of the sale administrator, seed, fertilizer, and mulch may also be required.

5.4.6 - Wet area protection (5/10)

No harvesting operations, including skidding and felling, are to take place within vernal pond areas or drainages if found. Two known such areas have been identified within the sale area with red paint. Logging equipment is to stay out of these areas. When harvesting occurs, there should be no disturbance to vernal pond depressions. All equipment, trees and tops should be kept out of these areas. Care must be taken by the Purchaser to identify and avoid operating in these areas of the timber sale.

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.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on nearby roads prior to beginning operations. The

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

7 - Other Conditions

7.10 - Certified Timber

7.10.1 - Non-certified timber (2/16)

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

**TIMBER SALE MAP**

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

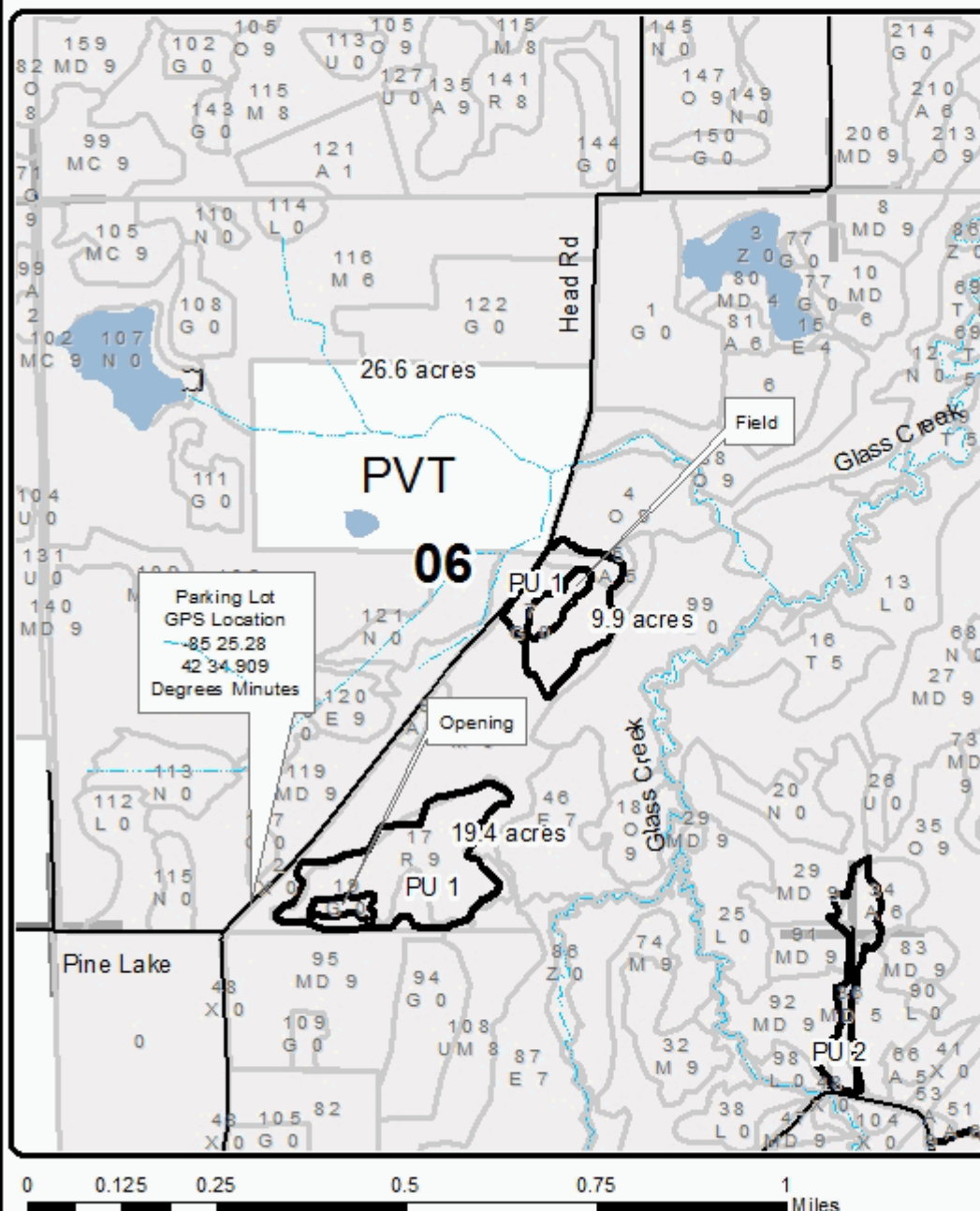
Sale Number	Year
20-001	22

Forest Management Unit Barry State Game Area	County Barry	Mapped By J. Bramer	Date 07/21/2022	Page 1	of 3
Township 02N	Range 09W	Section(s) and Subdivision(s) Sections 7, 18	Scale 1:15,000		

Cover Type				Density	
A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
D = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hardwoods	M = Mpl. Dec. Dec.	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			

Payment Units
PU 1 29.3 acres
PU 2 44.3 acres

Glass Creek
73.6 Acres
Compartment 5

**Legend**

- Timber Sale Area (Red Paint)
- Road
- Intermittent Stream
- Lakes and Rivers
- Stand Boundaries
- State Game Area



QR code opens map
in Avenza App.

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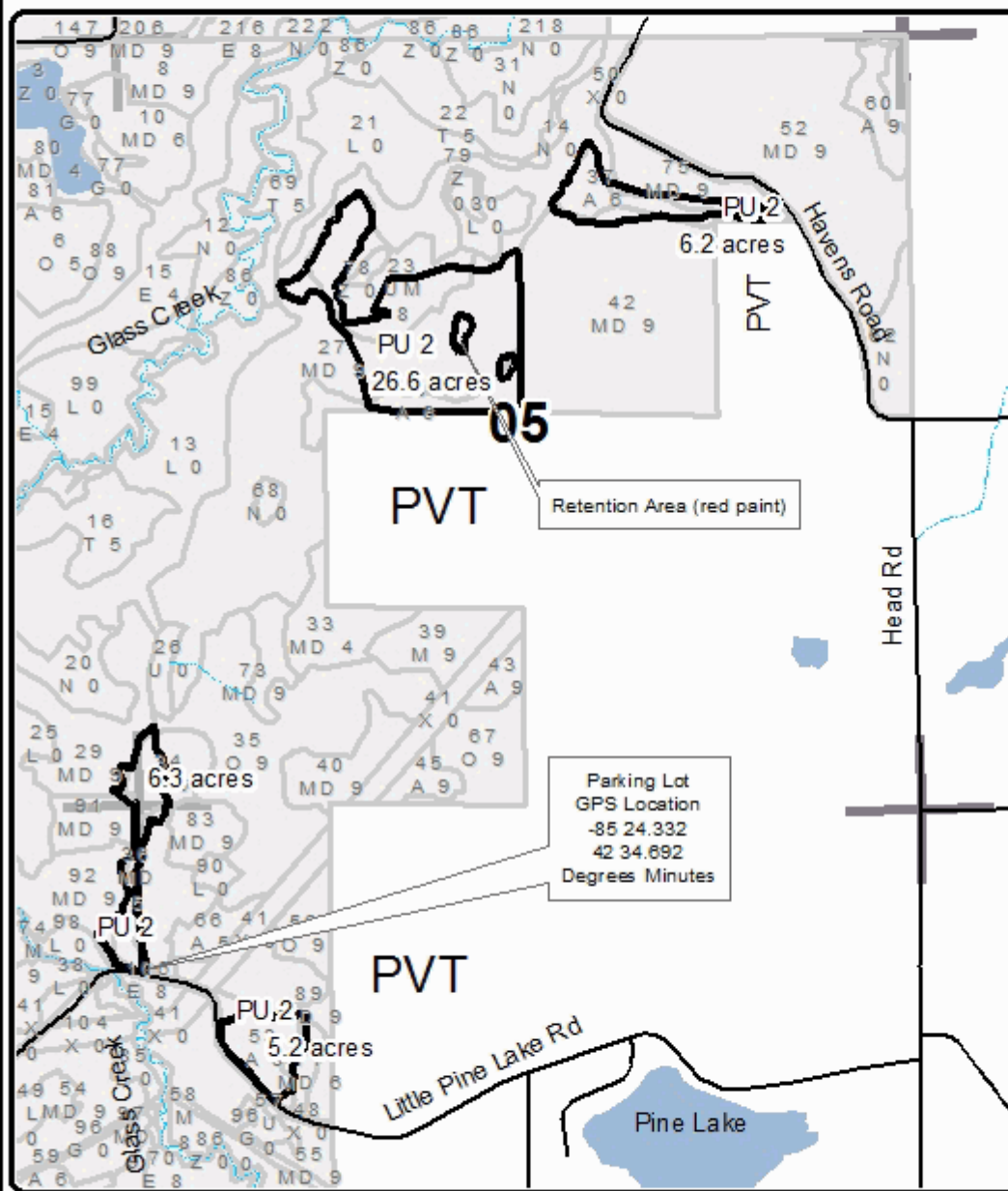
Forest Management Unit Barry State Game Area	County Barry	Mapped By J. Bramer	Date 07/21/2022	Page 1	of 2
		Cruised By J. Bramer			

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D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hardwoods	M = Mpl. Dec. Dec.	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			

Payment Units
PU 1 29.3 acres
PU 2 44.3 acres

Glass Creek
73.6 Acres
Compartment 5

**Legend**

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0 0.125 0.25 0.5 0.75 1 Miles

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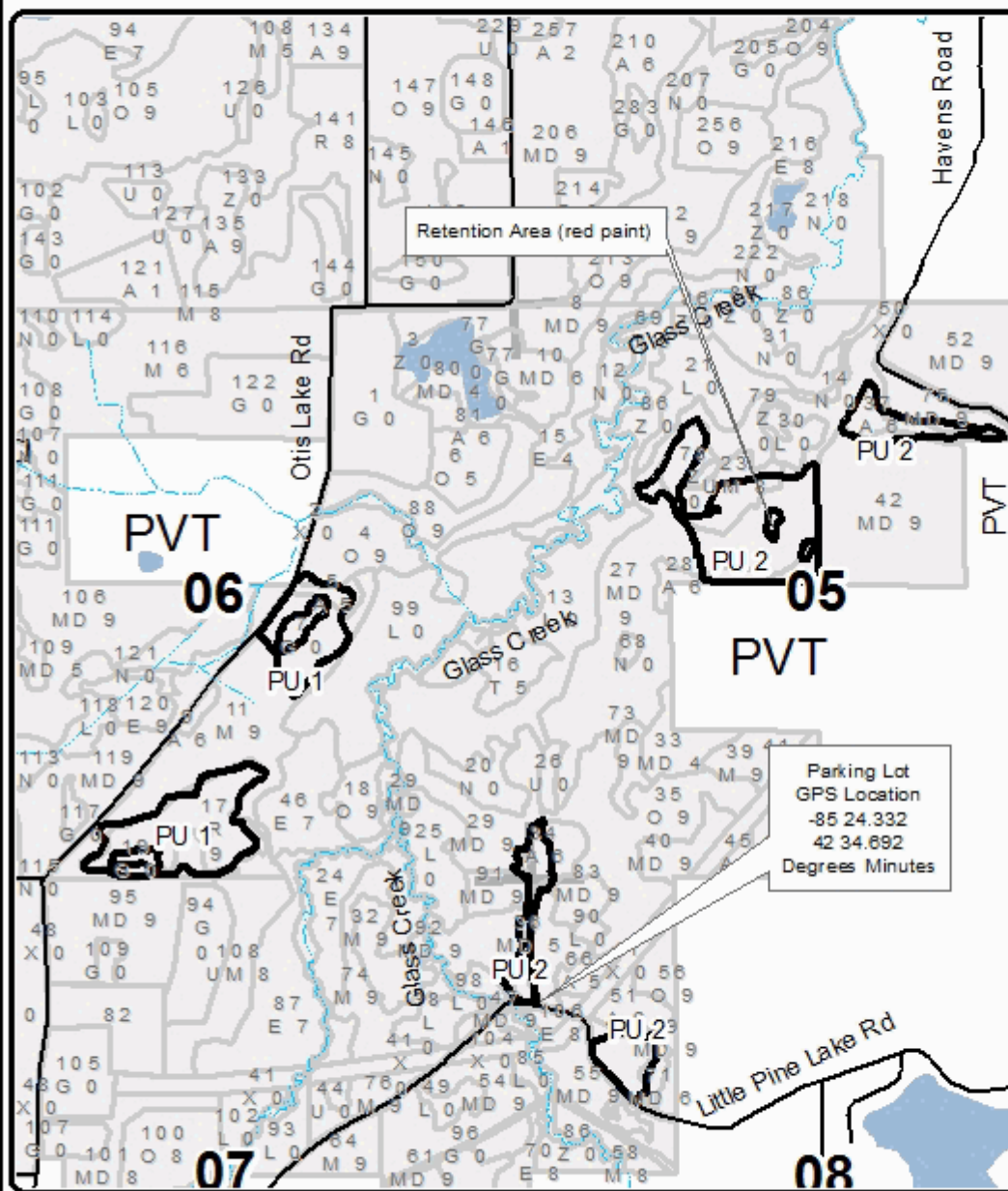
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Glass Creek
73.6 Acres
Compartment 5

**Legend**

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