



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7097**

SCHEDULED SALE DATE AND TIME: **11:00 a.m. (local time) on August 24, 2022.**

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 , MUSKEGON SGA, for certain timber on the following described lands:

21 Mile Hess (22-001-22) / T10N, R11W, SEC. 7 , NWNW,S1/2NW,N1/2SW.
T10N, R12W, SEC. 12, NENE.

Kent County, Advertised Price \$76,673.00, 54.8 Acres, Aspen, Hardwood.

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

Access may be through other public land.

TIMBER SALE INFORMATION

21 Mile Hess (22-001-22)

T10N, R11W, SEC. 7; T10N, R12W, SEC. 12.

Kent County (Advertised Price \$76,673.00)

SALE NOTE: All units of volume listed for this sale were estimated using the Inventory Manager computer program and the new Michigan taper model.

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	411.0 MBF	\$ 86.00 / MBF
Black Cherry	25.0 MBF	\$ 133.00 / MBF
Red Maple	162.2 MBF	\$ 94.00 / MBF
Red Pine	12.4 MBF	\$ 86.00 / MBF
Pulpwood		
B. T. Aspen	835 Cords	\$ 16.80 / Cord
Mixed Hardwood	413 Cords	\$ 15.20 / Cord
Red Pine	38 Cords	\$ 36.40 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 23.76 percent. There are an estimated 2,658 cords on this timber sale, plus or minus 632 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 \$3,833.65 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 remainder is due before cutting begins.
 - (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	100.0%
4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 03/01/2024.

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
209,991	2,658	23.76%	2,027	3,290

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	31,594	400	59.49%	162	638
2	10,095	128	225.03%	160	415
3	79,400	1,005	43.44%	568	1,442
4	81,971	1,038	22.53%	804	1,271
5	6,932	88	64.96%	31	145
TOTAL:	209,991	2,658		1,405	3,911

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	16.7	1	16.7
2	4.7	1	4.7
3	14.0	1	14.0
4	16.1	1	16.1
5	3.3	1	3.3
TOTAL:	54.8		54.8

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	411.0	MBF	54.8	\$76,673.00
	Black Cherry		25.0	MBF		
	Red Maple		162.2	MBF		
	Red Pine		12.4	MBF		
	B. T. Aspen	Pulpwood	835	Cords		
	Mixed Hardwood		413	Cords		
	<i>Black Cherry</i>		<i>58</i>	<i>Cords</i>		
	<i>Red Maple</i>		<i>351</i>	<i>Cords</i>		
	<i>Sassafras</i>		<i>4</i>	<i>Cords</i>		
	Red Pine		38	Cords		
TOTAL:			610.6	MBF		
TOTAL:			1,286	Cords		

Sale Specific Conditions & Requirements

Sale Name: 21 Mile Hess

Sale Number: 22-001-22 Seq#: 1

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 paint. Exterior sale boundary lines against state are marked with red paint. Retention patches are marked with green paint; no harvesting activities may occur within these areas.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1, cut all aspen, maple, black cherry, red pine, and sassafras trees that are two (2) inches or more at DBH.

2.2 - Utilization

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches at DBH and 4 inches for trees smaller than 10 inches at DBH.

4 - Transportation

4.1 - Construction

4.1.12 - No new roads (1/12)

No new roads will be permitted. 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.

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.

5.2 - 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

5.2.3.1 - Operating restrictions (9/11)

Within Payment Unit(s) 1, unless changed by written agreement, cutting, skidding, and hauling are limited to the period of December 1 to March 1. This restriction is because of soft soils, avoidance of wildlife nesting season, and to reduce the spread of tree pathogens such as oak wilt.

5.2.4 - Dead and Down Creation

5.2.4.2 - Dead and down creation, hare and grouse (1/14)

To improve habitat for snowshoe hare, grouse, and other species, the Purchaser is to leave two trees, nine (9) inches or larger in diameter on the ground for every two acres. They should be scattered throughout the sale or positioned per the sale administrator's instructions. They can be of any tree species and can be an un-merchantable piece of wood or a full tree.

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.

5.4.6 - Wet area protection (5/10)

No harvesting operations, including skidding and felling, are to take place within the vernal pond areas or drainages. When harvesting occurs, there should be no disturbance to the vernal pond depression. All equipment, trees and tops should be kept out of this area. Within 100 feet of the pond, equipment should only be used when the soil is in a dry or frozen condition. 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
22-001	22

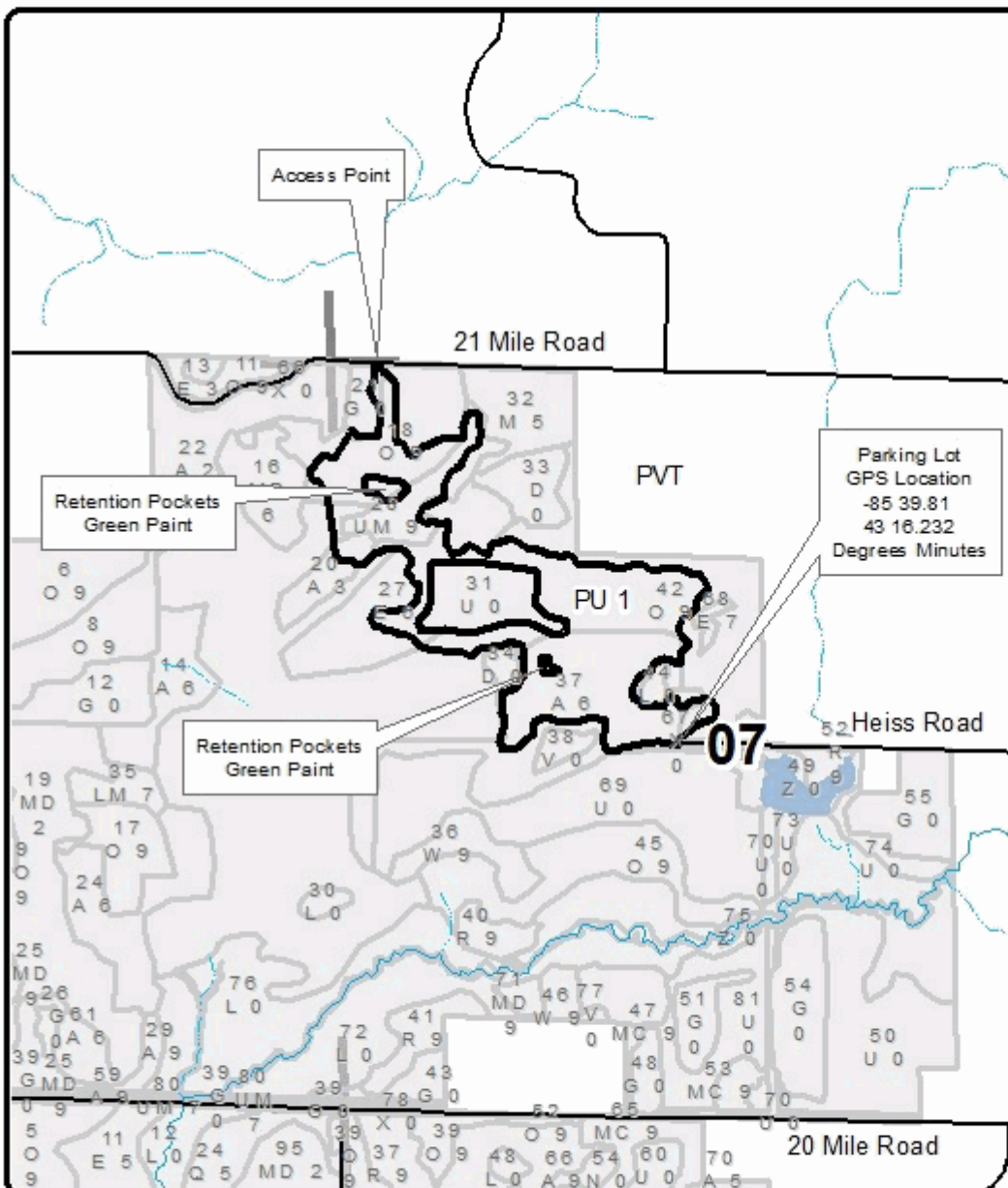
Forest Management Unit Rogue River State Game Area	County Kent	Mapped By J. Bramer	Date 06/15/2022	Page 1	of 1
Township 10N		Range 11W, 12W	Section(s) and Subdivision(s) Sections 7, 12		

Scale 1:15,840

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			

PU Acres
1 | 54.8

21 Mile Hess
54.8 Acres
Compartment 2

**Legend**

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



QR code opens map
in Avenza App.

