



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6974

REVISION NOTICE #1 - January 12, 2022

SCHEDULED SALE DATE AND TIME: 4:00 p.m. (local time) on Thursday, January 27, 2022

LOCATION: TRAVERSE CITY MGMT UNIT, 2122 M 37 South, Traverse City, MI 49685

This prospectus has been modified with the following changes.

Pioneer Pine (61-065-21) has been withdrawn from this prospectus.

We apologize for any inconvenience this may have caused. If you need assistance, please contact David Lemmien at 231-922-6040.



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CONTACT NAME: David Lemmien

PHONE NUMBER: (231) 922-6040

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

Two Bears Harvest (61-056-21) / T25N, R14W, SEC. 10, NWNW.

T25N, R14W, SEC. 3, SENW, S1/2NE, NESW, S1/2SW, NWSE.

Benzie County, Advertised Price \$93,402.60, 84.8 Acres, Aspen, White Pine.

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

Advanced sugar maple regeneration exists in locations throughout this sale. There is a desire to protect this regeneration, where possible, from logging activity damage.

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.

TIMBER SALE INFORMATION

Two Bears Harvest (61-056-21)

T25N, R14W, SEC. 10; T25N, R14W, SEC. 3.

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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	422.4 MBF	\$ 94.00 / MBF
Basswood	11.9 MBF	\$ 87.00 / MBF
Black Cherry	19.0 MBF	\$ 147.00 / MBF
Quaking Aspen	93.0 MBF	\$ 94.00 / MBF
Red Maple	60.4 MBF	\$ 126.00 / MBF
Sugar Maple	14.5 MBF	\$ 206.00 / MBF
White Pine	140.6 MBF	\$ 34.00 / MBF
Pulpwood		
B. T. Aspen	1,172 Cords	\$ 12.80 / Cord
Basswood	18 Cords	\$ 13.85 / Cord
Black Cherry	147 Cords	\$ 13.45 / Cord
Ironwood	23 Cords	\$ 13.45 / Cord
Quaking Aspen	137 Cords	\$ 12.80 / Cord
Red Maple	88 Cords	\$ 13.45 / Cord
Sugar Maple	42 Cords	\$ 13.45 / Cord
White Pine	334 Cords	\$ 14.10 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 5.90 percent. There are an estimated 3,508 cords on this timber sale, plus or minus 207 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 \$4,670.13 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:

<u>PAYMENT UNIT NUMBER</u>	<u>PERCENT OF TOTAL SALE VALUE</u>
01	36.0%
02	43.9%
03	20.1%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 04/14/2024.

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
277,155	3,508	5.90%	3,301	3,715

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
13	219,031	2,773	6.59%	2,590	2,955
17	56,266	712	13.23%	618	806
TOTAL:	275,297	3,485		3,208	3,762

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
13	66.1	1	29.8
		2	36.3
17	18.7	3	18.7
TOTAL:	84.8		84.8

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	176.0	MBF	29.8	\$33,621.90
	Black Cherry		8.6	MBF		
	Quaking Aspen		38.9	MBF		
	Red Maple		0.9	MBF		
	Sugar Maple		6.5	MBF		
	White Pine		52.7	MBF		
	B. T. Aspen	Pulpwood	428	Cords		
	Basswood		6	Cords		
	Black Cherry		66	Cords		
	Ironwood		10	Cords		
	Quaking Aspen		52	Cords		
	Red Maple		6	Cords		
	Sugar Maple		16	Cords		
	White Pine		97	Cords		
2	B. T. Aspen	Sawtimber	214.3	MBF	36.3	\$41,001.10
	Black Cherry		10.4	MBF		
	Quaking Aspen		47.4	MBF		
	Red Maple		1.1	MBF		
	Sugar Maple		8.0	MBF		
	White Pine		64.2	MBF		
	B. T. Aspen	Pulpwood	522	Cords		
	Basswood		7	Cords		
	Black Cherry		81	Cords		
	Ironwood		13	Cords		
	Quaking Aspen		64	Cords		
	Red Maple		8	Cords		
	Sugar Maple		19	Cords		
	White Pine		119	Cords		
3	B. T. Aspen	Sawtimber	32.1	MBF	18.7	\$18,779.60
	Basswood		11.9	MBF		
	Quaking Aspen		6.7	MBF		
	Red Maple		58.4	MBF		
	White Pine		23.7	MBF		
	B. T. Aspen	Pulpwood	222	Cords		
	Basswood		5	Cords		
	Quaking Aspen		21	Cords		
	Red Maple		74	Cords		
	Sugar Maple		7	Cords		
	White Pine		118	Cords		
TOTAL:			761.8	MBF		
TOTAL:			1,961	Cords		

Sale Specific Conditions & Requirements

Sale Name: Two Bears Harvest

Sale Number: 61-056-21 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 red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected.

2 - Timber Specifications

2.1 - Included Timber

2.1.7 - Leave tree marked unit(s) (6/14)

Within Payment Unit(s) 1-3, all red maple, aspen, sugar maple, cherry, basswood, beech, white pine, jack pine and ironwood trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting. Except, do not cut any trees marked with green paint above and below stump height or any other tree species that is not specifically designated for cutting as discussed above.

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

4.1.3 - 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, chipped, utilized or removed from the sale unless otherwise specified by DNR sale administrator.

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 24 inches in height.

5.2.4 - Dead and Down Creation

5.2.4.3 - Dead and down creation, dead trees (6/07)

Except as provided for in General Condition and Requirement 5.2.2, no dead trees, standing or down, are to be cut, skidded, or processed.

5.2.4.4 - Dead and down creation, grouse (6/18)

To encourage grouse and other wildlife, in Payment Unit(s) 1-3, leave one, 12" diameter or larger log-length (8 foot minimum) piece on the ground for every 2 acres, preferably a hardwood species such as maple. These trees will be evenly scattered throughout the Payment Unit, preferably at least two chains from any roads, two-tracks, or trails open to vehicles. This can be an unmerchantable piece or a full tree.

5.2.41 - Snowmobile trail protection (9/11)

The Betsie River snowmobile trail 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, it must be maintained and restored to a condition equal to or better than before the sale. The road maintenance/restoration must be done prior to December 1. 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 1. If the trail road is to be used for hauling during the snowmobile season, then a snow-covered base must be left on the trail. The snowmobile trail may only be crossed at right angles. Maintain a 20-foot-wide slash, debris, and rut free zone daily using the snowmobile trail as the centerline. No decking of forest products will be permitted along the snowmobile trail. All stumps within 20 feet of the snowmobile trail must be cut at ground level. In addition, any trees cut within 5 feet of the trail must have the stumps removed and be disposed of according to the direction of the Unit Manager or his/her representative.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on Betsie River snowmobile trail prior to beginning operations during the snowmobile season (approximately December 1 to March 31). The trail 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.

**TIMBER SALE MAP**

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

Sale Number	Year
61 - 056	21

Forest Management Unit Traverse City	County Benzie	Mapped By Craig Allen	Date 09/29/2021	Page 1	of 1
Township 25N	Range 14W	Section(s) and Subdivision(s) Sec.3; SENW, S1/2NE, NESW, S1/2SW, NWSE Sec.10; NWNW	Scale 1:15,840		

Cover Type

A = Aspen	H = Hemlock	N = Marsh	U = Upland Brush
B = Paper Birch	J = Jack Pine	O = Oak	UM = Upland Mixed
C = Cedar	L = Lowland Brush	P = Lowland Poplar	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mixed	Q = Mixed Swamp Conifer	W = White Pine
E = Swamp Hardwoods	M = Mpl. Ech. Birch	R = Red Pine	X = Non Stocked
F = Spruce Fir	MC = Mixed Conifer	S = Black Spruce	Z = Water
G = Cress	MD = Mixed Deciduous	T = Tamarack	

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

PU	Acres
1	29.8
2	36.3
3	18.7

Two Bears Harvest

Compartment 25

84.8 Acres

Long: -85.996976
Lat : 44.602099**Legend**

- Recreational Trails
- Secondary Forest Road
- Forest Access Route
- Paved Road
- Gravel Road
- County Road - Seasonal
- Private
- Retention Area
- Against State (Red)
- Stand Boundaries
- Section Corners
- Nearby Sales

