



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7045**

SCHEDULED SALE DATE AND TIME: **1:00 p.m. (local time) on July 25, 2022.**

LOCATION: **GWINN MGMT UNIT, 410 WEST M 35, GWINN, MI 49841.**

CONTACT NAME: Kristen Matson

PHONE NUMBER: (906) 346-9201

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

Soggy Deadhorse (32-001-21) / T44N, R23W, SEC. 23, NENE,SW,W1/2SE.

T44N, R23W, SEC. 26, N1/2NW,SE,SW,W1/2NE,E1/2SW,SE.

T44N, R23W, SEC. 35, NW,NE,N1/2SE.

T44N, R23W, SEC. 36, W1/2NW,NWSW.

Marquette County, Advertised Price \$247,872.30, 580.4 Acres, Hardwood, Spruce/Fir/Tamarack.

SALE NOTE: this sale was cruised with the new cruise protocol and may not be what producers are used to.

Access may be through other public land.

TIMBER SALE INFORMATION

Soggy Deadhorse (32-001-21)

T44N, R23W, SEC. 23; T44N, R23W, SEC. 26; T44N, R23W, SEC. 35; T44N, R23W, SEC. 36.

Marquette County (Advertised Price \$247,872.30)

SALE NOTE: this sale was cruised with the new cruise protocol and may not be what producers are used to.

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		
Basswood	114.7 MBF	\$ 43.00 / MBF
Black Ash	16.0 MBF	\$ 14.00 / MBF
Quaking Aspen	38.3 MBF	\$ 73.00 / MBF
Red Maple	632.5 MBF	\$ 110.00 / MBF
Sugar Maple	377.0 MBF	\$ 180.00 / MBF
White Spruce	15.7 MBF	\$ 25.00 / MBF
Pulpwood		
B. T. Aspen	44 Cords	\$ 17.80 / Cord
Balsam Fir	331 Cords	\$ 9.80 / Cord
Balsam Poplar	29 Cords	\$ 17.80 / Cord
Black Ash	871 Cords	\$ 13.20 / Cord
Green Ash	71 Cords	\$ 13.20 / Cord
Mixed Hardwood	5,868 Cords	\$ 13.20 / Cord
Mixed Spruce	402 Cords	\$ 11.30 / Cord
Quaking Aspen	175 Cords	\$ 17.80 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 3.51 percent. There are an estimated 10,692 cords on this timber sale, plus or minus 376 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 \$12,393.62 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.

(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	1.9%
02	4.5%
03	5.9%
04	0.8%
05	3.1%
06	6.1%
07	3.7%
08	3.6%
09	9.6%
10	7.1%
11	7.6%
12	6.1%
13	3.1%
14	1.8%
15	2.2%
16	1.7%
17	6.9%
18	6.8%
19	9.2%
20	8.3%

4. If no cutting takes place, the 10% down payment will not be refunded.

5. Operations on the contract issued will terminate on 08/31/2026.

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
844,662	10,692	3.51%	10,316	11,068

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	10,200	129	12.15%	113	145
2	52,814	669	9.81%	603	734
3	4,600	58	30.24%	41	76
4	97,629	1,236	7.52%	1,143	1,329
5	94,268	1,193	7.20%	1,107	1,279
6	100,929	1,278	8.55%	1,168	1,387
7	399,638	5,059	6.21%	4,744	5,373
8	60,041	760	11.17%	675	845
9	24,544	311	17.11%	258	364
TOTAL:	844,662	10,692		9,853	11,531

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	6.6	1	6.6
2	55.2	2	23.7
		3	31.5
3	8.4	4	8.4
4	96.1	5	17.9
		6	35.9
		7	21.5
		8	20.8
5	64.0	9	37.1
		10	26.9
6	104.7	11	47.4
		12	38.1
		13	19.2
7	197.5	17	43.5
		18	43.4
		19	58.2
		20	52.4
8	25.0	14	11.3
		15	13.7
9	22.9	16	22.9
TOTAL:	580.4		580.4

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Red Maple	Sawtimber	3.2	MBF	6.6	\$4,734.40
	Sugar Maple		18.7	MBF		
	Mixed Hardwood	Pulpwood	77	Cords		
	<i>Basswood</i>		4	<i>Cords</i>		
	<i>Red Maple</i>		15	<i>Cords</i>		
	<i>Sugar Maple</i>		58	<i>Cords</i>		
2	Basswood	Sawtimber	31.3	MBF	23.7	\$11,066.90
	Red Maple		2.3	MBF		
	Sugar Maple		44.9	MBF		
	Mixed Hardwood	Pulpwood	105	Cords		
	<i>Basswood</i>		14	<i>Cords</i>		
	<i>Red Maple</i>		8	<i>Cords</i>		
3	Basswood	Sawtimber	41.6	MBF	31.5	\$14,692.60
	Red Maple		3.1	MBF		
	Sugar Maple		59.6	MBF		
	Mixed Hardwood	Pulpwood	139	Cords		
	<i>Basswood</i>		18	<i>Cords</i>		
	<i>Red Maple</i>		10	<i>Cords</i>		
4	Sugar Maple	Sawtimber	8.2	MBF	8.4	\$1,977.60
	Mixed Hardwood	Pulpwood	38	Cords		
	<i>Red Maple</i>		3	<i>Cords</i>		
	<i>Sugar Maple</i>		35	<i>Cords</i>		
5	Basswood	Sawtimber	6.4	MBF	17.9	\$7,583.10
	Quaking Aspen		0.4	MBF		
	Red Maple		24.2	MBF		
	Sugar Maple		17.9	MBF		
	White Spruce		0.4	MBF		
	Mixed Hardwood	Pulpwood	100	Cords		
	<i>Basswood</i>		2	<i>Cords</i>		
	<i>Red Maple</i>		54	<i>Cords</i>		
	<i>Sugar Maple</i>		44	<i>Cords</i>		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	<i>Cords</i>		
	Quaking Aspen		3	Cords		
6	Basswood	Sawtimber	12.9	MBF	35.9	\$15,216.10
	Quaking Aspen		0.7	MBF		
	Red Maple		48.5	MBF		
	Sugar Maple		35.9	MBF		
	White Spruce		0.7	MBF		
	Mixed Hardwood	Pulpwood	202	Cords		
	<i>Basswood</i>		4	<i>Cords</i>		
	<i>Red Maple</i>		109	<i>Cords</i>		
	<i>Sugar Maple</i>		89	<i>Cords</i>		
	Mixed Spruce		2	Cords		
	<i>White Spruce</i>		2	<i>Cords</i>		
	Quaking Aspen		6	Cords		
7	Basswood	Sawtimber	7.7	MBF	21.5	\$9,092.20
	Quaking Aspen		0.4	MBF		
	Red Maple		29.0	MBF		
	Sugar Maple		21.5	MBF		
	White Spruce		0.4	MBF		
	Mixed Hardwood	Pulpwood	121	Cords		
	<i>Basswood</i>		3	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
7 con't	<i>Red Maple</i>	<i>Pulpwood</i>	65	<i>Cords</i>		
	<i>Sugar Maple</i>		53	<i>Cords</i>		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	<i>Cords</i>		
	Quaking Aspen		3	Cords		
8	Basswood	Sawtimber	7.4	MBF	20.8	\$8,801.50
	Quaking Aspen		0.4	MBF		
	Red Maple		28.1	MBF		
	Sugar Maple		20.8	MBF		
	White Spruce		0.4	MBF		
	Mixed Hardwood	Pulpwood	117	Cords		
	<i>Basswood</i>		3	<i>Cords</i>		
	<i>Red Maple</i>		63	<i>Cords</i>		
	<i>Sugar Maple</i>		51	<i>Cords</i>		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	<i>Cords</i>		
	Quaking Aspen		3	Cords		
9	Basswood	Sawtimber	4.3	MBF	37.1	\$24,234.60
	Quaking Aspen		10.9	MBF		
	Red Maple		102.1	MBF		
	Sugar Maple		44.5	MBF		
	White Spruce		4.1	MBF		
	Mixed Hardwood	Pulpwood	290	Cords		
	<i>Basswood</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		155	<i>Cords</i>		
	<i>Sugar Maple</i>		134	<i>Cords</i>		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	<i>Cords</i>		
	Quaking Aspen		4	Cords		
10	Basswood	Sawtimber	3.1	MBF	26.9	\$17,573.20
	Quaking Aspen		7.9	MBF		
	Red Maple		74.0	MBF		
	Sugar Maple		32.3	MBF		
	White Spruce		2.9	MBF		
	Mixed Hardwood	Pulpwood	210	Cords		
	<i>Basswood</i>		1	<i>Cords</i>		
	<i>Red Maple</i>		112	<i>Cords</i>		
	<i>Sugar Maple</i>		97	<i>Cords</i>		
	Mixed Spruce		1	Cords		
	<i>White Spruce</i>		1	<i>Cords</i>		
	Quaking Aspen		3	Cords		
11	Quaking Aspen	Sawtimber	8.0	MBF	47.4	\$18,770.30
	Red Maple		75.4	MBF		
	Sugar Maple		32.0	MBF		
	White Spruce		3.1	MBF		
	Balsam Fir		1	Cords		
	Mixed Hardwood	Pulpwood	297	Cords		
	<i>Red Maple</i>		152	<i>Cords</i>		
	<i>Sugar Maple</i>		145	<i>Cords</i>		
	Quaking Aspen		7	Cords		
12	Quaking Aspen	Sawtimber	6.4	MBF	38.1	\$15,075.30
	Red Maple		60.6	MBF		
	Sugar Maple		25.7	MBF		
	White Spruce		2.5	MBF		
	Balsam Fir	Pulpwood	1	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
12 con't	Mixed Hardwood	Pulpwood	239	Cords		
	<i>Red Maple</i>		122	<i>Cords</i>		
	<i>Sugar Maple</i>		117	<i>Cords</i>		
	Quaking Aspen		5	Cords		
13	Quaking Aspen	Sawtimber	3.2	MBF	19.2	\$7,630.00
	Red Maple		30.6	MBF		
	Sugar Maple		13.0	MBF		
	White Spruce		1.2	MBF		
	Balsam Fir	Pulpwood	1	Cords		
	Mixed Hardwood		121	Cords		
	<i>Red Maple</i>		62	<i>Cords</i>		
	<i>Sugar Maple</i>		59	<i>Cords</i>		
	Quaking Aspen		3	Cords		
14	Balsam Fir	Pulpwood	5	Cords	11.3	\$4,521.40
	Balsam Poplar		7	Cords		
	Black Ash		158	Cords		
	Green Ash		32	Cords		
	Mixed Hardwood		58	Cords		
	<i>Red Maple</i>		3	<i>Cords</i>		
	<i>Sugar Maple</i>		55	<i>Cords</i>		
	Mixed Spruce		10	Cords		
	<i>White Spruce</i>		10	<i>Cords</i>		
	Quaking Aspen		54	Cords		
15	Balsam Fir	Pulpwood	6	Cords	13.7	\$5,478.30
	Balsam Poplar		8	Cords		
	Black Ash		192	Cords		
	Green Ash		39	Cords		
	Mixed Hardwood		70	Cords		
	<i>Red Maple</i>		3	<i>Cords</i>		
	<i>Sugar Maple</i>		67	<i>Cords</i>		
	Mixed Spruce		13	Cords		
	<i>White Spruce</i>		13	<i>Cords</i>		
	Quaking Aspen		65	Cords		
16	Sugar Maple	Sawtimber	2.0	MBF	22.9	\$4,245.50
	B. T. Aspen	Pulpwood	44	Cords		
	Black Ash		26	Cords		
	Mixed Hardwood		162	Cords		
	<i>Red Maple</i>		149	<i>Cords</i>		
	<i>Sugar Maple</i>		13	<i>Cords</i>		
	Mixed Spruce		25	Cords		
	<i>Black Spruce</i>		25	<i>Cords</i>		
	Quaking Aspen		19	Cords		
17	Black Ash	Sawtimber	3.5	MBF	43.5	\$16,992.20
	Red Maple	Pulpwood	33.3	MBF		
	Balsam Fir		70	Cords		
	Balsam Poplar		3	Cords		
	Black Ash		109	Cords		
	Mixed Hardwood		776	Cords		
	<i>Red Maple</i>		757	<i>Cords</i>		
	<i>Sugar Maple</i>		19	<i>Cords</i>		
	Mixed Spruce		76	Cords		
	<i>Black Spruce</i>		54	<i>Cords</i>		
	<i>White Spruce</i>		22	<i>Cords</i>		
18	Black Ash	Sawtimber	3.5	MBF	43.4	\$16,965.80
	Red Maple		33.3	MBF		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
18 cont	Balsam Fir	Pulpwood	70	Cords		
	Balsam Poplar		3	Cords		
	Black Ash		109	Cords		
	Mixed Hardwood		774	Cords		
	Red Maple		755	Cords		
	Sugar Maple		19	Cords		
	Mixed Spruce		76	Cords		
	Black Spruce		54	Cords		
	White Spruce		22	Cords		
19	Black Ash	Sawtimber	4.8	MBF	58.2	\$22,735.30
	Red Maple	Pulpwood	44.6	MBF		
	Balsam Fir		93	Cords		
	Balsam Poplar		4	Cords		
	Black Ash		146	Cords		
	Mixed Hardwood		1,037	Cords		
	Red Maple		1,012	Cords		
	Sugar Maple		25	Cords		
	Mixed Spruce		103	Cords		
	Black Spruce		71	Cords		
	White Spruce		32	Cords		
20	Black Ash	Sawtimber	4.2	MBF	52.4	\$20,486.00
	Red Maple	Pulpwood	40.2	MBF		
	Balsam Fir		84	Cords		
	Balsam Poplar		4	Cords		
	Black Ash		131	Cords		
	Mixed Hardwood		935	Cords		
	Red Maple		912	Cords		
	Sugar Maple		23	Cords		
	Mixed Spruce		92	Cords		
	Black Spruce		65	Cords		
	White Spruce		27	Cords		
TOTAL:			1,194.2	MBF		
TOTAL:			7,791	Cords		

Sale Specific Conditions & Requirements

Sale Name: Soggy Deadhorse

Sale Number: 32-001-21 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 blue, red and yellow paint. Exterior sale boundary lines against private property are marked with blue paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 14-20, cut all species trees that are two (2) inches or more at DBH except species

Payment Unit(s) 14-15, leave hemlock, cedar, black cherry, and yellow birch.

Payment Unit(s) 16-20, leave hemlock, cedar, black cherry, yellow birch and white pine.

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

Within Payment Unit(s) 1-13, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

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. In addition, extreme care should be taken to avoid damage to tree seedlings and saplings.

Within the sale area, if more than 10% of the tree seedlings or saplings (1/4" to 4.5" DBH) within a specified portion of the sale area are damaged, liquidated damages will be assessed at \$200 per acre for all acreage within that specified portion of the sale area that was damaged.

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 scattered, and not left in windrows, and kept a minimum of 10 feet back from the road edge.

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 a four (4') foot high berm of stumps and logs covered with earth. Contact the sale administrator for specific details of design and placement.

4.1.8 - Road work (1) (8/07)

The following road work is required: 350 yards of gravel will be spread in holes on state forest land. Contact the sale administrator for the specifics on where to put the gravel.

4.2 - Maintenance

4.2.2 - Fill material (4/07)

To maintain roads, fill material may be needed in areas where "holes" exist or may be expected to develop. This fill material should be placed before trucking begins. Contact the sale administrator regarding the availability of onsite sand or gravel from adjacent State-owned lands.

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 between the Purchaser and sale administrator is required prior to beginning any operations. 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

5.2.1 - Slash

5.2.1.11 - Slash for reforestation (3/21)

To facilitate reforestation, the Sale Area or Payment Unit(s) # 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.

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) 1-13, 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.

5.2.17 - Timber Mats and Interlocking Composite Mats (10/20)

Some roads or skid trails may 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 and the Marquette ICC. 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 \$700.00 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.

5.2.22 - Operating Caution

5.2.22.1 - Operating caution (6/11)

It is recommended, but not required, that within Payment Unit(s) 1-20, cutting, skidding, and hauling occur during dry summer or frozen winter conditions. The reason for the recommendation ,wet payment units and wet access roads.

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.

5.7 - Protection of Historical Sites

5.7.2 - Potential historical site(s) (9/06)

The State Historic Preservation Office has identified the potential for a historic site within the boundary of this timber sale. Note that if the site is discovered during operations, General Condition and Requirement 5.7 - Protection of Historical Sites will apply.

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 County Road 444 and the Dead horse road 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

7.5 - Loss

7.5.1 - Deteriorating timber (7/09)

The sale area has received damage from Spruce Budworm and Emerald Ash Borer. The Purchaser should harvest the wood

as soon as possible. The Department of Natural Resources is held free of responsibility of any further damage or deterioration due to delay in harvesting.

**TIMBER SALE MAP***This information provided by authority of Part 525, 1994 PA 451, as amended.*

Forest Management Unit		County	Mapped By		Date	Page		of	
Gwinn Management Unit		Marquette	Holodnick		04/23/21	1		2	
Township		Range	Section(s) and Subdivision(s)			Scale			
44N		23W	Sections 23, 26, and 35			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 Decidious		T = Tamarack					

PU	Acres	PU	Acres	PU	Acres
1) 6.6	5) 17.9	9) 37.1	13) 19.2	17) 43.5	
2) 23.7	6) 35.9	10) 26.9	14) 11.3	18) 43.4	
3) 31.5	7) 21.5	11) 47.4	15) 13.7	19) 58.2	
4) 8.4	8) 20.8	12) 38.1	16) 22.9	20) 52.4	

Soggy Deadhorse**Compartment 10****580.4 Acres**