



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN
TIMBER SALE PROSPECTUS #7555**

SCHEDULED SALE DATE AND TIME: **3:00 p.m. (local time) on January 16, 2025.**

LOCATION: **NEWBERRY MGMT UNIT, PO BOX 428, 5666 S STATE HWY M 123, NEWBERRY, MI 49868.**

CONTACT NAME: Keith Magnusson

PHONE NUMBER: (906) 291-0120

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

Colossus Mix (42-015-23) / T46N, R09W, SEC. 6 , N1/2SW,SESW,SE.

T46N, R09W, SEC. 7 , N1/2NE,N1/2SE.

T46N, R09W, SEC. 8 , NW,W1/2NE,SW,S1/2SE.

T46N, R10W, SEC. 1 , S1/2NE,SE.

T46N, R10W, SEC. 12, N1/2NE,SENE.

Luce County, Advertised Price \$117,099.15, 599.7 Acres, Hardwood, N White Cedar.

SALE NOTE: Payment Units 5 - 22 are optional to harvest (see spec 2.1.11 for details).

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 private or other public land.

TIMBER SALE INFORMATION

Colossus Mix (42-015-23)

T46N, R09W, SEC. 6; T46N, R09W, SEC. 7; T46N, R09W, SEC. 8; T46N, R10W, SEC. 1; T46N, R10W, SEC. 12.
Luce County (Advertised Price \$117,099.15)

SALE NOTE: Payment Units 5 - 22 are optional to harvest (see spec 2.1.11 for details).

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 private or 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		
Paper Birch	11.1 MBF	\$ 35.00 / MBF
Red Maple	23.8 MBF	\$ 31.00 / MBF
White Pine	244.8 MBF	\$ 38.00 / MBF
Pulpwood		
Balsam Fir	552 Cords	\$ 7.40 / Cord
Mixed Aspen	132 Cords	\$ 20.70 / Cord
Mixed Hardwood	6,842 Cords	\$ 9.15 / Cord
Mixed Spruce	1,650 Cords	\$ 4.50 / Cord
N. White Cedar	5,407 Cords	\$ 5.05 / Cord
Tamarack	223 Cords	\$ 8.20 / Cord
White Pine	60 Cords	\$ 11.50 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 5.73 percent. There are an estimated 18,152 cords on this timber sale, plus or minus 1,041 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 \$5,854.96 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	2.9%
02	4.2%
03	5.9%
04	2.9%
05	5.3%
06	4.8%
07	2.9%
08	5.2%
09	2.3%
10	0.9%
11	7.6%
12	6.5%
13	6.6%
14	4.3%
15	4.6%
16	6.6%
17	3.6%
18	5.0%
19	1.9%
20	3.6%
21	3.2%
22	2.9%
23	6.3%

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

5. Operations on the contract issued will terminate on 06/30/2029.

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		PERCENT ERROR	STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
1,434,034	18,152	5.73%	17,112	19,193

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.

VDU	VOLUME		PERCENT ERROR	RANGE IN CORDS	
	TOTAL CUBIC FEET	TOTAL CORDS		MINIMUM	MAXIMUM
1	28,551	361	33.97%	239	484
2	6,572	83	111.06%	0	176
3	6,334	80	46.08%	43	117
4	225,296	2,852	13.58%	2,465	3,239
5	678,709	8,591	8.35%	7,874	9,308
6	170,918	2,164	14.49%	1,850	2,477
46	13,920	176	88.11%	21	331
50	37,393	473	35.66%	305	642
56	55,249	699	19.51%	563	836
57	160,288	2,029	17.81%	1,668	2,390
64	20,455	259	55.91%	114	404
70	30,348	384	37.71%	239	529
TOTAL:	1,434,034	18,152		15,380	20,934

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	16.0	23	16.0
2	5.2	22	5.2
3	5.2	22	5.2
4	79.8	18	29.3
4	79.8	19	11.0
4	79.8	20	21.1
4	79.8	21	18.4
5	260.0	8	28.0
5	260.0	9	12.5
5	260.0	10	4.9
5	260.0	11	40.1
5	260.0	12	35.0
5	260.0	13	36.0
5	260.0	14	23.3
5	260.0	15	24.9
5	260.0	16	35.6
5	260.0	17	19.7
6	65.5	5	26.7
6	65.5	6	24.1
6	65.5	7	14.7
46	12.3	1	12.3
50	16.6	1	6.0
50	16.6	3	10.6
56	24.1	2	24.1
57	86.9	1	17.1
57	86.9	3	63.9
57	86.9	4	5.9
64	6.2	1	3.5
64	6.2	3	2.7
70	21.9	4	21.9
TOTAL:	3,506.7		599.7

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	Paper Birch	Sawtimber	1.3	MBF	38.9	\$3,400.25
	Red Maple		3.9	MBF		
	Balsam Fir	Pulpwood	20	Cords		
	Mixed Aspen		51	Cords		
	<i>B. T. Aspen</i>		1	Cords		
	<i>Balsam Poplar</i>		2	Cords		
	<i>Quaking Aspen</i>		48	Cords		
	Mixed Hardwood		114	Cords		
	<i>Paper Birch</i>		57	Cords		
	<i>Red Maple</i>		57	Cords		
	Mixed Spruce		63	Cords		
	<i>Black Spruce</i>		40	Cords		
	<i>White Spruce</i>		23	Cords		
	N. White Cedar		63	Cords		
	Tamarack		47	Cords		
	2	Paper Birch	Sawtimber	2.8		
Balsam Fir		Pulpwood	39	Cords		
Mixed Hardwood			318	Cords		
<i>Paper Birch</i>			252	Cords		
<i>Red Maple</i>			66	Cords		
N. White Cedar			328	Cords		
3		Paper Birch	Sawtimber	4.9	MBF	77.2
	Red Maple		10.8	MBF		
	Balsam Fir	Pulpwood	36	Cords		
	Mixed Aspen		11	Cords		
	<i>B. T. Aspen</i>		5	Cords		
	<i>Balsam Poplar</i>		6	Cords		
	Mixed Hardwood		333	Cords		
	<i>Paper Birch</i>		161	Cords		
	<i>Red Maple</i>		172	Cords		
	Mixed Spruce		217	Cords		
	<i>Black Spruce</i>		149	Cords		
	<i>White Spruce</i>		68	Cords		
	N. White Cedar		111	Cords		
	Tamarack		162	Cords		
4	Paper Birch	Sawtimber	2.1	MBF	27.8	\$3,438.20
	Red Maple		0.7	MBF		
	Mixed Aspen	Pulpwood	39	Cords		
	<i>Balsam Poplar</i>		1	Cords		
	<i>Quaking Aspen</i>		38	Cords		
	Mixed Hardwood		85	Cords		
	<i>Paper Birch</i>		73	Cords		
	<i>Red Maple</i>		12	Cords		
	Mixed Spruce		70	Cords		
	<i>Black Spruce</i>		64	Cords		
	<i>White Spruce</i>		6	Cords		
	N. White Cedar		263	Cords		
	Tamarack		14	Cords		
	5	Balsam Fir	Pulpwood	21		
Mixed Hardwood			449	Cords		
<i>Paper Birch</i>			121	Cords		
<i>Red Maple</i>			328	Cords		
Mixed Spruce			11	Cords		
<i>Black Spruce</i>			11	Cords		
N. White Cedar			386	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
6	Balsam Fir	Pulpwood	19	Cords	24.1	\$5,657.90
	Mixed Hardwood		406	Cords		
	<i>Paper Birch</i>		110	Cords		
	<i>Red Maple</i>		296	Cords		
	Mixed Spruce		10	Cords		
	<i>Black Spruce</i>		10	Cords		
	N. White Cedar		348	Cords		
7	Balsam Fir	Pulpwood	11	Cords	14.7	\$3,439.05
	Mixed Hardwood		247	Cords		
	<i>Paper Birch</i>		67	Cords		
	<i>Red Maple</i>		180	Cords		
	Mixed Spruce		6	Cords		
	<i>Black Spruce</i>		6	Cords		
	N. White Cedar		212	Cords		
8	Balsam Fir	Pulpwood	37	Cords	28.0	\$6,062.20
	Mixed Hardwood		407	Cords		
	<i>Black Ash</i>		6	Cords		
	<i>Paper Birch</i>		153	Cords		
	<i>Red Maple</i>		241	Cords		
	<i>Yellow Birch</i>		7	Cords		
	Mixed Spruce		103	Cords		
	<i>Black Spruce</i>		103	Cords		
	N. White Cedar		317	Cords		
9	Balsam Fir	Pulpwood	17	Cords	12.5	\$2,706.05
	Mixed Hardwood		181	Cords		
	<i>Black Ash</i>		3	Cords		
	<i>Paper Birch</i>		68	Cords		
	<i>Red Maple</i>		107	Cords		
	<i>Yellow Birch</i>		3	Cords		
	Mixed Spruce		46	Cords		
	<i>Black Spruce</i>		46	Cords		
	N. White Cedar		142	Cords		
10	Balsam Fir	Pulpwood	7	Cords	4.9	\$1,065.25
	Mixed Hardwood		71	Cords		
	<i>Black Ash</i>		1	Cords		
	<i>Paper Birch</i>		27	Cords		
	<i>Red Maple</i>		42	Cords		
	<i>Yellow Birch</i>		1	Cords		
	Mixed Spruce		18	Cords		
	<i>Black Spruce</i>		18	Cords		
	N. White Cedar		56	Cords		
11	Balsam Fir	Pulpwood	52	Cords	40.1	\$8,700.35
	Mixed Hardwood		586	Cords		
	<i>Black Ash</i>		9	Cords		
	<i>Paper Birch</i>		219	Cords		
	<i>Red Maple</i>		348	Cords		
	<i>Yellow Birch</i>		10	Cords		
	Mixed Spruce		148	Cords		
	<i>Black Spruce</i>		148	Cords		
	N. White Cedar		453	Cords		
12	Balsam Fir	Pulpwood	47	Cords	35.0	\$7,567.15
	Mixed Hardwood		507	Cords		
	<i>Black Ash</i>		7	Cords		
	<i>Paper Birch</i>		191	Cords		
	<i>Red Maple</i>		301	Cords		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
12 con't	<i>Yellow Birch</i>	<i>Pulpwood</i>	8	<i>Cords</i>		
	Mixed Spruce		129	Cords		
	<i>Black Spruce</i>		129	<i>Cords</i>		
	N. White Cedar		396	Cords		
13	Balsam Fir	Pulpwood	48	Cords	36.0	\$7,781.25
	Mixed Hardwood		521	Cords		
	<i>Black Ash</i>		7	<i>Cords</i>		
	<i>Paper Birch</i>		196	<i>Cords</i>		
	<i>Red Maple</i>		309	<i>Cords</i>		
	<i>Yellow Birch</i>		9	<i>Cords</i>		
	Mixed Spruce		133	Cords		
	<i>Black Spruce</i>		133	<i>Cords</i>		
	N. White Cedar		408	Cords		
14	Balsam Fir	Pulpwood	31	Cords	23.3	\$5,042.30
	Mixed Hardwood		338	Cords		
	<i>Black Ash</i>		5	<i>Cords</i>		
	<i>Paper Birch</i>		127	<i>Cords</i>		
	<i>Red Maple</i>		200	<i>Cords</i>		
	<i>Yellow Birch</i>		6	<i>Cords</i>		
	Mixed Spruce		86	Cords		
	<i>Black Spruce</i>		86	<i>Cords</i>		
	N. White Cedar		264	Cords		
15	Balsam Fir	Pulpwood	33	Cords	24.9	\$5,385.45
	Mixed Hardwood		361	Cords		
	<i>Black Ash</i>		5	<i>Cords</i>		
	<i>Paper Birch</i>		136	<i>Cords</i>		
	<i>Red Maple</i>		214	<i>Cords</i>		
	<i>Yellow Birch</i>		6	<i>Cords</i>		
	Mixed Spruce		92	Cords		
	<i>Black Spruce</i>		92	<i>Cords</i>		
	N. White Cedar		282	Cords		
16	Balsam Fir	Pulpwood	48	Cords	35.6	\$7,692.10
	Mixed Hardwood		515	Cords		
	<i>Black Ash</i>		7	<i>Cords</i>		
	<i>Paper Birch</i>		194	<i>Cords</i>		
	<i>Red Maple</i>		306	<i>Cords</i>		
	<i>Yellow Birch</i>		8	<i>Cords</i>		
	Mixed Spruce		131	Cords		
	<i>Black Spruce</i>		131	<i>Cords</i>		
	N. White Cedar		403	Cords		
17	Balsam Fir	Pulpwood	26	Cords	19.7	\$4,254.80
	Mixed Hardwood		285	Cords		
	<i>Black Ash</i>		4	<i>Cords</i>		
	<i>Paper Birch</i>		107	<i>Cords</i>		
	<i>Red Maple</i>		169	<i>Cords</i>		
	<i>Yellow Birch</i>		5	<i>Cords</i>		
	Mixed Spruce		73	Cords		
	<i>Black Spruce</i>		73	<i>Cords</i>		
	N. White Cedar		223	Cords		
18	Red Maple	Sawtimber	3.1	MBF	29.3	\$5,861.30
	Balsam Fir	Pulpwood	20	Cords		
	Mixed Hardwood		406	Cords		
	<i>Paper Birch</i>		82	<i>Cords</i>		
	<i>Red Maple</i>		312	<i>Cords</i>		
	<i>Yellow Birch</i>		12	<i>Cords</i>		

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

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
18 con't	Mixed Spruce	Pulpwood	113	Cords		
	<i>Black Spruce</i>		83	<i>Cords</i>		
	<i>White Spruce</i>		30	<i>Cords</i>		
	N. White Cedar		276	Cords		
19	Red Maple	Sawtimber	1.2	MBF	11.0	\$2,210.55
	Balsam Fir	Pulpwood	8	Cords		
	Mixed Hardwood		153	Cords		
	<i>Paper Birch</i>		31	<i>Cords</i>		
	<i>Red Maple</i>		117	<i>Cords</i>		
	<i>Yellow Birch</i>		5	<i>Cords</i>		
	Mixed Spruce		42	Cords		
	<i>Black Spruce</i>		31	<i>Cords</i>		
	<i>White Spruce</i>		11	<i>Cords</i>		
	N. White Cedar		104	Cords		
20	Red Maple	Sawtimber	2.2	MBF	21.1	\$4,243.25
	Balsam Fir	Pulpwood	15	Cords		
	Mixed Hardwood		294	Cords		
	<i>Paper Birch</i>		59	<i>Cords</i>		
	<i>Red Maple</i>		225	<i>Cords</i>		
	<i>Yellow Birch</i>		10	<i>Cords</i>		
	Mixed Spruce		82	Cords		
	<i>Black Spruce</i>		60	<i>Cords</i>		
	<i>White Spruce</i>		22	<i>Cords</i>		
	N. White Cedar		199	Cords		
21	Red Maple	Sawtimber	1.9	MBF	18.4	\$3,690.65
	Balsam Fir	Pulpwood	13	Cords		
	Mixed Hardwood		256	Cords		
	<i>Paper Birch</i>		52	<i>Cords</i>		
	<i>Red Maple</i>		196	<i>Cords</i>		
	<i>Yellow Birch</i>		8	<i>Cords</i>		
	Mixed Spruce		71	Cords		
	<i>Black Spruce</i>		52	<i>Cords</i>		
	<i>White Spruce</i>		19	<i>Cords</i>		
	N. White Cedar		173	Cords		
22	White Pine	Sawtimber	63.7	MBF	10.4	\$3,350.75
	Balsam Fir	Pulpwood	4	Cords		
	Mixed Aspen		31	Cords		
	<i>B. T. Aspen</i>		31	<i>Cords</i>		
	Mixed Hardwood		9	Cords		
	<i>Paper Birch</i>		7	<i>Cords</i>		
	<i>Red Maple</i>		2	<i>Cords</i>		
	Mixed Spruce		6	Cords		
	<i>Black Spruce</i>		6	<i>Cords</i>		
	White Pine		13	Cords		
23	White Pine	Sawtimber	181.1	MBF	16.0	\$7,422.30
	White Pine	Pulpwood	47	Cords		
TOTAL:			279.7	MBF		
TOTAL:			14,866	Cords		

Sale Specific Conditions & Requirements

Sale Name: Colossus Mix

Sale Number: 42-015-23 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 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. 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 unless marked with orange paint. 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

2.1.2 - Clearcut unit(s) w/o unmerchantable trees (8/11)

Within Payment Unit(s) 1 - 21, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut any hemlock. In addition, the following exceptions apply:

- Within Payment Units 1 - 4, do not cut any white pine or yellow birch.
- Within Payment Units 5 - 13, do not cut white pine over 20 inches at DBH.
- Within Payment Units 14 - 19, do not cut any white pine.

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

Within Payment Unit(s) 22 & 23, all trees which meet minimum piece specifications in 2.2 Utilization are designated for cutting, except do not cut any hemlock or any trees marked with green paint above and below stump height.

2.1.11 - Description of timber note (2/04)

Note that Payment Units 5 - 22 are optional to harvest due to potential access issues. Removing any or all of these Payment Units is a contract modification which requires a Timber Sale Contract Amendment.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) 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 Amendment. There will be only one division per Payment Unit.

4 - Transportation

4.1 - Construction

4.1.4 - Timber removed for construction (3/23)

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 contract prices or average prices, if not on the contract.

4.1.5 - Culverts (5/14)

Roads may require the installation of culverts for cross drainage or at natural drainage-ways. If culverts are needed in these locations, their placement will be specified by the Sale Administrator, and they shall be installed prior to hauling. The culverts shall be new, corrugated metal or plastic gauge. Culverts will be a minimum of 12 inches in diameter and 24 feet in length. If culverts are removed, fill shall be removed from wetland soils as specified. Soils shall be maintained and left in a non-erodible condition, with water bars, seed, fertilizer, mulch, and slash installed as directed by the Sale Administrator and as specified in

the BMP manual. Stream crossing permits, if needed, will be obtained by the DNR.

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. 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 bulldozer 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.

4.4 - Access

4.4.2 - Alternate route on private property (2/04)

It is the Purchaser's responsibility to obtain access across private land for any routes other than the route shown on the Timber Sale Map.

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 access, landing and road locations.

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.8 - Slash height (12/08)

No slash or tree tops may exceed 36 inches in height.

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 - 23, unless changed by written agreement, cutting and skidding are limited to the period of December 31 to March 31. This restriction is because of the low ground nature of the sale.

5.2.4 - Dead and Down Creation

5.2.4.6 - Dead and down creation, other (9/09)

To create hare habitat, within Payment Units 5, 6, and 12-17, create 3-6 long linear brush piles that are 50 feet in length, at minimum. Brush piles will be created with stumps and larger unmerchantable woody material from within the Sale Area and formed into a line as a base. The brush pile should be a mix of logging slash piled on top of the base. If no unmerchantable products are available for a base, use whole trees 8-16 inches at DBH. Place tops onto the base along

its length to construct a linear pile 6 feet in height. These piles should be scattered apart and located where the edge of the harvest interfaces with adjacent uncut stands. Place brush piles perpendicular to the edge of the harvested stand, reaching into the adjacent stand at least 20 feet.

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

Some roads or skid trails require extra protection such as that afforded by interlocking composite mats or another approved system. If available, mats may be borrowed from the DNR. A Timber Sale Contract Amendment will be used to document the Purchaser's use of the DNR's mats. Contact the Sale Administrator regarding availability and pick-up. 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 \$2,000.00 per composite mat will be assessed for all damaged or non-returned mats. Damage for the composite mats is defined as cracked or broken mats.

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.

5.2.41 - Snowmobile trail protection (9/11)

The 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. 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.

5.4 - Soil Protection

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.

5.8 - 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 the Charcoal Grade 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.

6.2.2 - Snowmobile trail posting (10/20)

The Purchaser is responsible for posting and maintaining caution signs on the Charcoal Grade Road 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 DNR will provide these signs.

7 - Other Conditions

7.2 - Extensions

7.2.5 - Weather related extension (1/13)

If weather conditions during the operating period of this contract prevent harvesting, this sale may qualify for a weather related extension. If approved, the normal extension fee would be waived. To qualify, there must be a documented attempt each year to harvest in the difficult portion of the sale.

