

# DEPARTMENT OF NATURAL RESOURCES STATE OF MICHIGAN <u>TIMBER SALE PROSPECTUS #7555</u>

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.

<u>CONTACT NAME:</u> Keith Magnusson <u>PHONE NUMBER:</u> (906) 291-0120

<u>PROSPECTUS NOTE</u>: 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:

<u>Colossus Mix</u> (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:

PRODUCTS & SPECIES	ESTIMATE	<u>ED UNITS*</u>	ADVE	RTISED PRICE
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 mus	t 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.

VOL	UME		STATISTICAL RANGE IN CORDS	
TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	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.

	VOL	UME		RANGE I	N CORDS
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	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)

БШ					40050	
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		
	B. T. Aspen		1	Cords		
	Balsam Poplar		2	Cords		
	Quaking Aspen		48	Cords		
	Mixed Hardwood		114	Cords		
	Paper Birch		57	Cords		
	Red Maple		57	Cords		
	Mixed Spruce		63	Cords		
	Black Spruce		40	Cords		
	White Spruce		23	Cords		
	N. White Cedar		63	Cords		
	Tamarack		47	Cords		
2	Paper Birch	Sawtimber	2.8	MBF	24.1	\$4,952.70
	Balsam Fir	Pulpwood	39	Cords		
	Mixed Hardwood		318	Cords		
	Paper Birch		252	Cords		
	Red Maple		66	Cords		
	N. White Cedar		328	Cords		
3	Paper Birch	Sawtimber	4.9	MBF	77.2	\$6,912.80
	Red Maple		10.8	MBF		
	Balsam Fir	Pulpwood	36	Cords		
	Mixed Aspen		11	Cords		
	B. T. Aspen		5	Cords		
	Balsam Poplar		6	Cords		
	Mixed Hardwood		333	Cords		
	Paper Birch		161	Cords		
	Red Maple		172	Cords		
	Mixed Spruce		217	Cords		
	Black Spruce		149	Cords		
	White Spruce		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		
	Balsam Poplar		1	Cords		
	Quaking Aspen		38	Cords		
	Mixed Hardwood		85	Cords		
	Paper Birch		73	Cords		
	Red Maple		12	Cords		
	Mixed Spruce		70	Cords		
	Black Spruce		64	Cords		
	White Spruce		6	Cords		
	N. White Cedar		263	Cords		
	Tamarack		14	Cords		
5	Balsam Fir	Pulpwood	21	Cords	26.7	\$6,262.55
	Mixed Hardwood		449	Cords		
	Paper Birch		121	Cords		
	Red Maple		328	Cords		
	Mixed Spruce		11	Cords		
	Black Spruce		11	Cords		
	N. White Cedar		386	Cords		
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# 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		
	Paper Birch		110	Cords		
	Red Maple		296	Cords		
	Mixed Spruce		10	Cords		
	Black Spruce		10	Cords		
	N. White Cedar		348	Cords		
7	Balsam Fir	Pulpwood	11	Cords	14.7	\$3,439.05
	Mixed Hardwood	1	247	Cords		, , ,
	Paper Birch		67	Cords		
	Red Maple		180	Cords		
	Mixed Spruce		6	Cords		
	Black Spruce		6	Cords		
	N. White Cedar		212	Cords		
8	Balsam Fir	Dulpwood	37	Cords	28.0	¢6 062 20
0		Pulpwood	-		20.0	\$6,062.20
	Mixed Hardwood		407	Cords		
	Black Ash		6	Cords		
	Paper Birch		153	Cords		
	Red Maple		241	Cords		
	Yellow Birch		7	Cords		
	Mixed Spruce		103	Cords		
	Black Spruce		103	Cords		
	N. White Cedar		317	Cords		
9	Balsam Fir	Pulpwood	17	Cords	12.5	\$2,706.05
	Mixed Hardwood		181	Cords		
	Black Ash		3	Cords		
	Paper Birch		68	Cords		
	Red Maple		107	Cords		
	Yellow Birch		3	Cords		
	Mixed Spruce		46	Cords		
	Black Spruce		46	Cords		
	N. White Cedar		142	Cords		
10	Balsam Fir	Pulpwood	7	Cords	4.9	\$1,065.25
	Mixed Hardwood		71	Cords		
	Black Ash		1	Cords		
	Paper Birch		27	Cords		
	Red Maple		42	Cords		
	Yellow Birch		1	Cords		
	Mixed Spruce		, 18	Cords		
	Black Spruce		18	Cords		
	N. White Cedar		56	Cords		
11	Balsam Fir	Pulpwood	52	Cords	40.1	\$8,700.35
		r uipwood			40.1	φd,700.35
	Mixed Hardwood		586	Cords		
	Black Ash		9	Cords		
	Paper Birch		219	Cords		
	Red Maple		348	Cords		
	Yellow Birch		10	Cords		
	Mixed Spruce		148	Cords		
	Black Spruce		148	Cords		
	N. White Cedar		453	Cords		
12	Balsam Fir	Pulpwood	47	Cords	35.0	\$7,567.15
	Mixed Hardwood		507	Cords		
	Black Ash		7	Cords		
	Paper Birch		191	Cords		
	Red Maple		301	Cords		
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# DESCRIPTION OF TIMBER BY PU (PU), CON'T

		DDODUOT			10050	
PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
12 con't	Yellow Birch	Pulpwood	8	Cords		
	Mixed Spruce		129	Cords		
	Black Spruce		129	Cords		
	N. White Cedar		396	Cords		
13	Balsam Fir	Pulpwood	48	Cords	36.0	\$7,781.25
	Mixed Hardwood		521	Cords		
	Black Ash		7	Cords		
	Paper Birch		196	Cords		
	Red Maple		309	Cords		
	Yellow Birch		9	Cords		
	Mixed Spruce		133	Cords		
	Black Spruce		133	Cords		
	N. White Cedar		408	Cords		
14	Balsam Fir	Pulpwood	31	Cords	23.3	\$5,042.30
	Mixed Hardwood		338	Cords	_0.0	¢0,000
	Black Ash		5	Cords		
	Paper Birch		127	Cords		
	Red Maple		200	Cords		
	Yellow Birch		6	Cords		
			-			
	Mixed Spruce		86	Cords		
	Black Spruce		86	Cords		
45	N. White Cedar		264	Cords	04.0	AF 005 45
15	Balsam Fir	Pulpwood	33	Cords	24.9	\$5,385.45
	Mixed Hardwood		361	Cords		
	Black Ash		5	Cords		
	Paper Birch		136	Cords		
	Red Maple		214	Cords		
	Yellow Birch		6	Cords		
	Mixed Spruce		92	Cords		
	Black Spruce		92	Cords		
	N. White Cedar		282	Cords		
16	Balsam Fir	Pulpwood	48	Cords	35.6	\$7,692.10
	Mixed Hardwood		515	Cords		
	Black Ash		7	Cords		
	Paper Birch		194	Cords		
	Red Maple		306	Cords		
	Yellow Birch		8	Cords		
	Mixed Spruce		131	Cords		
	Black Spruce		131	Cords		
	N. White Cedar		403	Cords		
17	Balsam Fir	Pulpwood	26	Cords	19.7	\$4,254.80
	Mixed Hardwood		285	Cords		¢ 1,20 1.00
	Black Ash		4	Cords		
	Paper Birch		107	Cords		
	Red Maple		169	Cords		
	Yellow Birch		5	Cords		
	Mixed Spruce		73	Cords		
	•		73	Coras		
	Black Spruce N. White Cedar		223			
40		Caudiast		Cords	00.0	#E 004 00
18	Red Maple	Sawtimber	3.1	MBF	29.3	\$5,861.30
	Balsam Fir	Pulpwood	20	Cords		
	Mixed Hardwood		406	Cords		
	Paper Birch		82	Cords		
	Red Maple		312	Cords		
	Yellow Birch		12	Cords		

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

Balsam FirPulpwood8CordsMixed Hardwood153CordsPaper Birch31CordsRed Maple117CordsYellow Birch5CordsMixed Spruce42CordsBlack Spruce31CordsWhite Spruce117CordsN. White Cedar104Cords	PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
White Spruce N. White Cedar     30 276     Cords Cords       19     Red Maple Balsam Fir Pulpwood     Sawtimber     12     MBF     11.0     \$2,210.5       Mixed Hardwood Paper Birch     31     Cords       \$2,210.5       Mixed Hardwood Paper Birch     31     Cords       \$2,210.5       Mixed Hardwood Paper Birch     5     Cords       \$2,210.5       Mixed Spruce Black Spruce     417     Cords       \$4,243.2       White Spruce White Spruce     11     Cords       \$4,243.2       Balsam Fir N. White Cedar     Pulpwood     15     Cords         Mixed Hardwood Paper Birch     52     Cords       \$4,243.2       Mixed Farukood     221     Red Maple     Sawtimber     12     Mark     \$4,243.2       Mixed Farukood     225     Cords         \$4,243.2       Balsam Fir <pulpwood< td="">     13     Cords        \$4,243.2<!--</td--><td>18 con't</td><td>Mixed Spruce</td><td>Pulpwood</td><td>113</td><td>Cords</td><td></td><td></td></pulpwood<>	18 con't	Mixed Spruce	Pulpwood	113	Cords		
N. White Cedar     276     Cords     Cords       19     Red Maple     Sawtimber     1.2     MBF     11.0     \$2,210.5       Balsam Fir     Pulpwood     153     Cords     1     1       Paper Birch     31     Cords     1     1     1     1       Red Maple     117     Cords     1 <td< td=""><td></td><td>Black Spruce</td><td></td><td>83</td><td>Cords</td><td></td><td></td></td<>		Black Spruce		83	Cords		
19     Red Maple Balsam Fir     Sawtimber Pulpwood     1.2     MBF     11.0     \$2,210.5       Mixed Hardwood     153     Cords		White Spruce		30	Cords		
Balsam Fir     Pulpwood     8     Cords       Mixed Hardwood     153     Cords        Red Maple     31     Cords        Wixed Spruce     42     Cords        Wixed Spruce     42     Cords        White Spruce     117     Cords        N. White Cedar     104     Cords        20     Red Maple     Sawtimber     2.2     MBF     21.1     \$4,243.2       Balsam Fir     Pulpwood     15     Cords       \$4,243.2       Balsam Fir     Pulpwood     15     Cords       \$4,243.2       Mixed Hardwood     294     Cords       \$4,243.2       Balsam Fir     Pulpwood     15     Cords         Wixed Spruce     82     Cords       \$4,243.2       Balsam Fir     Pulpwood     13     Cords          N. White Cedar     10     Cords     <		N. White Cedar		276	Cords		
Mixed Hardwood   153   Cords     Paper Birch   31   Cords     Red Maple   117   Cords     Wite Spruce   42   Cords     Black Spruce   31   Cords     White Spruce   117   Cords     N. White Cadar   114   Cords     20   Red Maple   Sawtimber   2.2     Balsam Fir   Pulpwood   15   Cords     Mixed Spruce   82   Cords   Feed Maple     Balsam Fir   Pulpwood   15   Cords     Mixed Spruce   82   Cords   Feed Maple     Balsam Fir   Pulpwood   10   Cords     White Spruce   82   Cords   Feed Maple     Stack Spruce   82   Cords   Feed Maple     Balsam Fir   Pulpwood   13   Cords   Feed Maple	19	Red Maple	Sawtimber	1.2	MBF	11.0	\$2,210.55
Paper Birch Red Maple     31     Cords Cords       Wixed Spruce     42     Cords       Black Spruce     31     Cords       White Spruce     31     Cords       N.White Cedar     104     Cords       20     Red Maple     Sawtimber     2.2     MBF     21.1     \$4,243.2       Mixed Hardwood     15     Cords     Cords         Mixed Hardwood     294     Cords       \$4,243.2       Mixed Hardwood     295     Cords       \$4,243.2       Wixed Spruce     60     Cords       \$4,243.2       Wixed Spruce     60     Cords       \$4,243.2       White Spruce     60     Cords          White Spruce     220     Cords          N.White Cedar     119     Cords       \$3,690.6       Black Spruce     52     Cords       \$3,690.6 <t< td=""><td></td><td>Balsam Fir</td><td>Pulpwood</td><td>8</td><td>Cords</td><td></td><td></td></t<>		Balsam Fir	Pulpwood	8	Cords		
Red Maple     117     Cords       Vellow Birch     42     Cords       Black Spruce     31     Cords       White Spruce     11     Cords       N. White Cedar     104     Cords       20     Red Maple     Sawtimber     2.2     MBF     21.1     \$4,243.2       Balsam Fir     Pulpwood     15     Cords         Red Maple     225     Cords          Red Maple     225     Cords          Black Spruce     82     Cords          Black Spruce     82     Cords          Mixed Spruce     22     Cords <t< td=""><td></td><td>Mixed Hardwood</td><td></td><td>153</td><td>Cords</td><td></td><td></td></t<>		Mixed Hardwood		153	Cords		
Yellow Birch Mixed Spruce     5     Cords Cords       Black Spruce     31     Cords       White Spruce     11     Cords       N. White Cedar     104     Cords       20     Red Maple     Sawtimber     2.2     MBF     21.1     \$4,243.2       Balsam Fir     Pulpwood     15     Cords         Mixed Hardwood     294     Cords       \$4,243.2       Mixed Maple     Sawtimber     2.2     MBF     21.1     \$4,243.2       Mixed Maple     Sawtimber     2.2     Cords         Wellow Birch     0     Cords          Wilke Spruce     60     Cords          White Spruce     22     Cords           N. White Cedar     199     Cords <td></td> <td>Paper Birch</td> <td></td> <td>31</td> <td>Cords</td> <td></td> <td></td>		Paper Birch		31	Cords		
Mixed Spruce     42     Cords       Black Spruce     31     Cords       White Spruce     111     Cords       N. White Cedar     104     Cords       Balsam Fir     Pulpwood     15     Cords       Balsam Fir     Pulpwood     59     Cords       Mixed Hardwood     225     Cords     Head Maple       Paper Birch     00     Cords     Head Maple       Wiked Spruce     60     Cords     Head Maple       White Cedar     100     Cords     Head Maple       White Spruce     225     Cords     Head Maple       White Cedar     100     Cords     Head Maple       White Spruce     222     Cords     Head Maple       Balsam Fir     Pulpwood     13     Cords     Head Maple       Balsam Fir     Pulpwood     13     Cords     Head Maple       White Spruce     71     Cords     Head Maple     Gords     Head Maple       Balsam Fir     Pulpwood     13     Cords     Head Maple		Red Maple		117	Cords		
Black Spruce White Spruce     31     Cords Cords       20     Red Maple Balsam Fir Mixed Hardwood     Sawtimber     2.2     MBF     21.1     \$4,243.2       20     Red Maple Balsam Fir Mixed Hardwood     Sawtimber     2.2     MBF     21.1     \$4,243.2       Mixed Hardwood     294     Cords     Cords     Fead Maple     59     Cords     Fead Maple     Fead Map		Yellow Birch		5	Cords		
White Spruce N. White Cedar     11     Cords       20     Red Maple     Sawtimber     2.2     MBF     21.1     \$4,243.2       20     Balsam Fir Mixed Hardwood     294     Cords     204     Sama Fir     Pulpwood     15     Cords     205     Sama Fir     Sama Fi		Mixed Spruce		42	Cords		
N. White Cedar     104     Cords       20     Red Maple Balsam Fir     Sawtimber     2.2     MBF     21.1     \$4,243.2       Mixed Hardwood     294     Cords     15     Cords     16     16     17     17     18     17     10		Black Spruce		31	Cords		
20 Red Maple Balsam Fir Mixed Hardwood Sawtimber Pulpwood 2.2 MBF Cords Cords 21.1 \$4,243.2   Mixed Hardwood Paper Birch Red Maple 2.94 Cords Cords Cords Cords   Mixed Spruce 82 Cords Cords   Black Spruce 60 Cords Cords   White Spruce 22 Cords Sawtimber   19 Cords Cords Sastimber   21 Red Maple Balsam Fir Pulpwood 13 Cords   21 Red Maple Balsam Fir Sawtimber 1.9   Mixed Hardwood 256 Cords   Vellow Birch Mixed Spruce 71 Cords   Vellow Birch Mixed Spruce 8 Cords   Vellow Birch Mixed Spruce 71 Cords   Black Spruce 71 Cords   White Spruce 71 Cords   White Pine Sawtimber 63.7 MBF   10.4 S3,350.7 Cords S3,350.7   22 White Pine Sawtimber 63.7 MBF   10.4 Cords Cords S3,350.7   22 White Pine 31 Cords S3,350.7   23 White Pine Sawtimber 63.7 C		White Spruce		11	Cords		
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Balsam Fir     Pulpwood     15     Cords       Mixed Hardwood     294     Cords     Cords       Paper Birch     59     Cords     Cords       Red Maple     225     Cords     Cords       Vellow Birch     10     Cords     Cords       Mixed Spruce     82     Cords     Cords       Black Spruce     60     Cords     Cords       White Spruce     22     Cords     Cords       N. White Cedar     199     Cords     Cords       Mixed Hardwood     256     Cords     Cords       Paper Birch     52     Cords     Cords       Mixed Hardwood     256     Cords     Cords       Paper Birch     52     Cords     Cords       Mixed Spruce     71     Cords     Cords       Mixed Spruce     71     Cords     Cords       White Spruce     73     Cords     Cords       N. White Cedar     173     Cords     Cords       Balsam Fir     Pulpwood     4 </td <td>20</td> <td>Red Maple</td> <td>Sawtimber</td> <td>2.2</td> <td>MBF</td> <td>21.1</td> <td>\$4,243.25</td>	20	Red Maple	Sawtimber	2.2	MBF	21.1	\$4,243.25
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			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.

