



MICHIGAN DEPARTMENT OF NATURAL RESOURCES

TIMBER SALE PROPOSAL

Frozen

THIS INFORMATION PROVIDED BY AUTHORITY OF PART 525, 1994 PA 451, AS AMENDED

SALE NAME Pothole Pulp		SALE NUMBER 12-051-26	SEQ # 1	FISCAL YEAR 2026	SALE ID 21551	<input type="checkbox"/> NOT CERTIFIED <input type="checkbox"/> SALVAGE <input type="checkbox"/> GNA
MANAGEMENT UNIT Crystal Falls Mgt Unit	OFFICE Crystal Falls Office			ACRES 173.7	COMPARTMENT(S) 145	
PROPOSAL OWNER Eric Brolin	LOG RULE Scribner Decimal C		TOP DOB 10"	COUNTY Iron		
DURATION OF CONTRACT Four full winters expiring June 30.		EXPIRATION DATE		PAYMENT METHOD Lump Sum	BID TYPE Sealed Bid	BOND AMOUNT 5%

DESCRIPTION OF TIMBER					PAYMENT UNIT						
MARKET GROUP	PRODUCT	QUANTITY	UNIT	ADV UNIT PRICE*	ADV PRICE*	UNIT	ACRES	ADV PRICE*	UNIT	ACRES	ADV PRICE*
Basswood	Sawtimber	17.6	MBF	\$52.00	\$915.20	1	20.4	\$14,106.70	2	17.6	\$12,202.00
Paper Birch	Sawtimber	5.4	MBF	\$81.00	\$437.40	3	15.4	\$11,167.90	4	27.1	\$19,664.85
Red Maple	Sawtimber	10.1	MBF	\$172.00	\$1,737.20	5	17.8	\$16,024.30	6	18.0	\$16,201.90
Sugar Maple	Sawtimber	21.5	MBF	\$310.00	\$6,665.00	7	14.5	\$13,050.75	8	23.0	\$6,387.55
Balsam Fir	Pulpwood	98	Cords	\$5.45	\$534.10	9	19.9	\$7,118.40			
Mixed Aspen	Pulpwood	4,931	Cords	\$18.95	\$93,442.45						
Mixed Hardwood	Pulpwood	932	Cords	\$13.00	\$12,116.00						
White Spruce	Pulpwood	7	Cords	\$11.00	\$77.00						
	Total	54.6	MBF		\$ 115,924.35						

* Price as of 1/28/2026.
May change before advertisement.

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APPROVALS				Date Submitted:	
<input type="checkbox"/> Land owned or controlled by DMVA		<input type="checkbox"/> Notify Fisheries Division		<input type="checkbox"/> Notify Parks Division	<input type="checkbox"/> Cultivation Work Needed
DIVISION	TITLE	ACTION	REQUESTED OF/ACTION TAKEN BY	DATE/TIME	
FRD	Unit Manager		CARLSONB		
COMMENT:					
DIVISION	TITLE	ACTION	REQUESTED OF/ACTION TAKEN BY	DATE/TIME	
FRD	TSS				
COMMENT:					
DIVISION	TITLE	ACTION	REQUESTED OF/ACTION TAKEN BY	DATE/TIME	
FRD	TMS				
COMMENT:					
DIVISION	TITLE	ACTION	REQUESTED OF/ACTION TAKEN BY	DATE/TIME	
WILD	Biologist	Notified	BougieT		
COMMENT:					

TREATMENT LIST									
FOREST/ CMPT/ STAND	ID	TREATMENT	ACRES	COVER TYPE	S/D	OI	TREATMENT METHOD	MGMT OBJ	PROPOSED START DATE
12145071	133547	12145071-Cut	38.0	4130 - Aspen	Sawtimber Well	Aspen	Clearcut with Retention	413 - Aspen	10/01/2025
12145060	133559	12145060-Cut	42.5	4130 - Aspen	Poletimber Well	Aspen	Clearcut with Retention	413 - Aspen	10/01/2025
12145008	133881	12145008-Cut	50.3	4130 - Aspen	Sawtimber Well	Aspen	Clearcut with Retention	413 - Aspen	10/01/2025
12145003	133899	12145003-Cut	23.0	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	Northern Hardwood	Single Tree Selection	411 - Northern Hardwood	10/01/2025
12145005	133918	12145005-Cut	19.9	4110 - Sugar Maple Association	Sawtimber Well	Northern Hardwood	Single Tree Selection	411 - Northern Hardwood	10/01/2025

TREATMENT AREA DETAILS**12145071-Cut****PRESCRIPTIONS SPECIFICATIONS:**

Harvest merchantable trees to promote aspen and conifer regeneration. Retention should include a diverse mix of species and large diameter, forked crown aspen. Leave all conifer, oak, and yellow birch if present. Mark to leave at least one black cherry or paper birch per acre if present.

OTHER COMMENTS:

Approximate retention areas are mapped (15% retention). This includes low ground, conifer, and a good representation of the original stand. Do not push lines into adjacent cedar stand. Winter cutting spec for deer wintering area.

NEXT STEP TREATMENTS:

Monitoring, Natural Regen (Re-Inventory), Monitor for regeneration., 100%, Required

ACCEPTABLE REGENERATION:

Any combination of the original stands overstory species prior to harvest.

12145060-Cut**PRESCRIPTIONS SPECIFICATIONS:**

Harvest merchantable trees to promote aspen and conifer regeneration. Retention should include a diverse mix of species and large diameter, forked crown aspen. Exclude any vernal pond areas if found within. Leave cedar, pine, oak, and yellow birch. Mark to leave approximately one paper birch or black cherry per acre if present.

OTHER COMMENTS:

Stand retention will be determined during field prep and could include vernal ponds, buffers, and/or difficult terrain areas. Winter cutting spec for deer wintering area.

NEXT STEP TREATMENTS:

Monitoring, Natural Regen (Re-Inventory), Monitor for regeneration., 100%, Required

ACCEPTABLE REGENERATION:

Any combination of the original stands overstory species prior to harvest.

12145008-Cut**PRESCRIPTIONS SPECIFICATIONS:**

Harvest merchantable trees to promote aspen and conifer regeneration. Retention should include a diverse mix of species and large diameter, forked crown aspen. Leave all conifer, oak, birch and black cherry if present.

OTHER COMMENTS:

Exclude and/or appropriately buffer to keep tops out of any low depressions within the stand, approximate areas have been excluded from this treatment. These exclusions will fit criteria towards long term retention, create additional patch retention within stand if needed to meet guidelines. Winter cutting spec for deer wintering area.

NEXT STEP TREATMENTS:

Monitoring, Natural Regen (Re-Inventory), Monitor for regeneration., 100%, Required

ACCEPTABLE REGENERATION:

Any combination of the original stands overstory species prior to harvest.

12145003-Cut**PRESCRIPTIONS SPECIFICATIONS:**

Mark stand to 80 - 100 BA. Focus on improving quality, releasing northern hardwood crop trees, and removing a majority of the aspen component while leaving enough canopy cover to discourage aspen regeneration success. Leave some large future snag trees for wildlife. Leave all conifer and oak. Leave most birch and black cherry while marking unless needed for operability. Favor species diversity while marking.

OTHER COMMENTS:

Important to maintain target BA with consistent canopy cover across stand. Do not create large gaps. Goal is to discourage aspen regeneration to move this stand to a more pure northern hardwood mix. Winter cutting spec for deer wintering area.

NEXT STEP TREATMENTS:

Monitoring, Natural Regen (Re-Inventory), Monitor for northern hardwood regeneration. Marked to discourage aspen regeneration success., 100%, Required

ACCEPTABLE REGENERATION:

Any combination of the original stands overstory species prior to harvest.

12145005-Cut

PRESCRIPTIONS SPECIFICATIONS:

Mark stand to 70 - 90 BA. Focus on improving quality, releasing crop trees, and re-open or create canopy gaps to encourage northern hardwood regeneration. Leave some large future snag trees for wildlife. Leave all conifer and oak. Leave most birch and black cherry while marking unless needed for operability. Favor species diversity while marking.

OTHER COMMENTS:

Do not push lines where lower targeted BA from past harvest was met at approximately 80 BA. Winter cutting spec for deer wintering area.

NEXT STEP TREATMENTS:

Monitoring, Natural Regen (Re-Inventory), Monitor for northern hardwood regeneration., 100%, Required

ACCEPTABLE REGENERATION:

Any combination of the original stands overstory species prior to harvest.

VDU DETAILS and CRUISE STATS

VDU	ACRES	CRUISE TYPE	CRUISED BA	STRATUM	TALLY %	BAF	PLOTS	MEAN	STD DEV	COEF OF VAR	ACH ERROR
1	38.0	Sample Tree Ratio	104.32	N/A	N/A	20.00	37	37.41	22.35	59.72	13.13
2	42.5	Sample Tree Ratio	119.49	N/A	N/A	20.00	39	41.45	41.04	99.00	21.62
3	50.3	Sample Tree Ratio	120.47	N/A	N/A	20.00	43	48.95	52.36	106.96	21.56
4	23.0	Sample Tree Ratio	40.43	N/A	N/A	10.00	23	14.94	17.97	120.25	32.84
5	19.9	Sample Tree Ratio	20.00	N/A	N/A	10.00	20	7.61	10.46	137.30	44.55
STATISTICS ON CUMULATIVE AND VBAR TALLY SALE VOLUMES								35.37	37.79	106.84	11.15

TREATMENT TO VDU

TREATMENT NAME	ACRES	STAND/ VDU	Trt/VDU AC	TREATMENT NAME	ACRES	STAND/ VDU	Trt/VDU AC
12145071-Cut	38.0	1	38.0	12145003-Cut	23.0	4	23.0
12145060-Cut	42.5	2	42.5	12145005-Cut	19.9	5	19.9
12145008-Cut	50.3	3	50.3				

GROUP SPECIES/PRODUCT REPORT

DESCRIPTION OF TIMBER BY VDU						DESCRIPTION OF TIMBER TOTALS			
VDU	ACRES	MARKET GROUP	PRODUCT	QUANTITY	UNIT	MARKET GROUP	PRODUCT	QUANTITY	UNIT
1	38.0	Paper Birch	Sawtimber	5.4	MBF	Basswood	Sawtimber	17.6	MBF
		Mixed Aspen	Pulpwood	1,274	Cords	Paper Birch	Sawtimber	5.4	MBF
		Quaking Aspen	Pulpwood	1,274	Cords	Red Maple	Sawtimber	10.1	MBF
		Mixed Hardwood	Pulpwood	134	Cords	Sugar Maple	Sawtimber	21.5	MBF
		Balsam Poplar	Pulpwood	53	Cords	Balsam Fir	Pulpwood	98	Cords
		Black Cherry	Pulpwood	9	Cords	Mixed Aspen	Pulpwood	4,931	Cords
		Ironwood	Pulpwood	6	Cords	B. T. Aspen	Pulpwood	581	Cords
		Paper Birch	Pulpwood	15	Cords	Quaking Aspen	Pulpwood	4,350	Cords
		Red Maple	Pulpwood	49	Cords	Mixed Hardwood	Pulpwood	932	Cords
		Sugar Maple	Pulpwood	2	Cords	Balsam Poplar	Pulpwood	90	Cords
2	42.5	Red Maple	Sawtimber	4.3	MBF	Basswood	Pulpwood	95	Cords
		Balsam Fir	Pulpwood	98	Cords	Black Ash	Pulpwood	3	Cords
		Mixed Aspen	Pulpwood	1,354	Cords	Black Cherry	Pulpwood	29	Cords
		B. T. Aspen	Pulpwood	28	Cords	Ironwood	Pulpwood	32	Cords
		Quaking Aspen	Pulpwood	1,326	Cords	Paper Birch	Pulpwood	25	Cords
		Mixed Hardwood	Pulpwood	294	Cords	Red Maple	Pulpwood	431	Cords
		Balsam Poplar	Pulpwood	6	Cords	Sugar Maple	Pulpwood	227	Cords
		Black Ash	Pulpwood	3	Cords	White Spruce	Pulpwood	7	Cords
		Black Cherry	Pulpwood	20	Cords				
		Paper Birch	Pulpwood	10	Cords				
3	50.3	Red Maple	Pulpwood	229	Cords				
		Sugar Maple	Pulpwood	26	Cords				
		White Spruce	Pulpwood	7	Cords				
		Basswood	Sawtimber	2.7	MBF				
		Red Maple	Sawtimber	5.8	MBF				
		Sugar Maple	Sawtimber	3.0	MBF				
		Mixed Aspen	Pulpwood	2,030	Cords				
		B. T. Aspen	Pulpwood	475	Cords				
		Quaking Aspen	Pulpwood	1,555	Cords				
		Mixed Hardwood	Pulpwood	360	Cords				
4	23.0	Balsam Poplar	Pulpwood	27	Cords				
		Basswood	Pulpwood	55	Cords				
		Ironwood	Pulpwood	16	Cords				
		Red Maple	Pulpwood	153	Cords				
		Sugar Maple	Pulpwood	109	Cords				
		Basswood	Sawtimber	8.5	MBF				
		Sugar Maple	Sawtimber	1.5	MBF				
		Mixed Aspen	Pulpwood	225	Cords				
		B. T. Aspen	Pulpwood	78	Cords				
		Quaking Aspen	Pulpwood	147	Cords				
5	19.9	Mixed Hardwood	Pulpwood	95	Cords				
		Balsam Poplar	Pulpwood	4	Cords				
		Basswood	Pulpwood	36	Cords				
		Ironwood	Pulpwood	8	Cords				
		Sugar Maple	Pulpwood	47	Cords				
		Basswood	Sawtimber	6.4	MBF				
		Sugar Maple	Sawtimber	17.0	MBF				
		Mixed Aspen	Pulpwood	48	Cords				
		Quaking Aspen	Pulpwood	48	Cords				
		Mixed Hardwood	Pulpwood	49	Cords				

VDU to PU REPORT

ACRES BY VDU AND PU				DESCRIPTION OF TIMBER BY PU						
VDU	VDU AC	PU	PU AC	PU	GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADV PRICE*
				1	Paper Birch Mixed Aspen Quaking Aspen Mixed Hardwood Balsam Poplar Black Cherry Ironwood Paper Birch Red Maple Sugar Maple	Sawtimber Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood	2.9 684 684 70 27 5 3 8 26 1	MBF Cords Cords Cords Cords Cords Cords Cords Cords Cords	20.4	\$14,106.70
				2	Paper Birch Mixed Aspen Quaking Aspen Mixed Hardwood Balsam Poplar Black Cherry Ironwood Paper Birch Red Maple Sugar Maple	Sawtimber Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood	2.5 590 590 63 25 4 3 7 23 1	MBF Cords Cords Cords Cords Cords Cords Cords Cords Cords	17.6	\$12,202.00
				3	Red Maple Balsam Fir Mixed Aspen B. T. Aspen Quaking Aspen Mixed Hardwood Balsam Poplar Black Ash Black Cherry Paper Birch Red Maple Sugar Maple White Spruce	Sawtimber Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood	1.6 36 490 10 480 106 2 1 7 4 83 9 3	MBF Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords	15.4	\$11,167.90
				4	Red Maple Balsam Fir Mixed Aspen B. T. Aspen Quaking Aspen Mixed Hardwood Balsam Poplar Black Ash Black Cherry Paper Birch Red Maple Sugar Maple White Spruce	Sawtimber Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood Pulpwood	2.6 62 865 18 847 188 4 2 13 6 146 17 4	MBF Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords Cords	27.1	\$19,664.85
				5	Basswood Red Maple Sugar Maple Mixed Aspen B. T. Aspen Quaking Aspen Mixed Hardwood	Sawtimber Sawtimber Sawtimber Pulpwood Pulpwood Pulpwood	1.0 2.1 1.1 718 168 550 128	MBF MBF MBF Cords Cords Cords Cords	17.8	\$16,024.30

DESCRIPTION OF TIMBER BY PU						
PU	GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADV PRICE*
	<i>Balsam Poplar</i>	Pulpwood	10	Cords		
	<i>Basswood</i>	Pulpwood	19	Cords		
	<i>Ironwood</i>	Pulpwood	6	Cords		
	<i>Red Maple</i>	Pulpwood	54	Cords		
	<i>Sugar Maple</i>	Pulpwood	39	Cords		
6	Basswood	Sawtimber	1.0	MBF	18.0	\$16,201.90
	Red Maple	Sawtimber	2.1	MBF		
	Sugar Maple	Sawtimber	1.1	MBF		
	Mixed Aspen	Pulpwood	726	Cords		
	<i>B. T. Aspen</i>	Pulpwood	170	Cords		
	<i>Quaking Aspen</i>	Pulpwood	556	Cords		
	Mixed Hardwood	Pulpwood	130	Cords		
	<i>Balsam Poplar</i>	Pulpwood	10	Cords		
	<i>Basswood</i>	Pulpwood	20	Cords		
	<i>Ironwood</i>	Pulpwood	6	Cords		
	<i>Red Maple</i>	Pulpwood	55	Cords		
	<i>Sugar Maple</i>	Pulpwood	39	Cords		
7	Basswood	Sawtimber	0.8	MBF	14.5	\$13,050.75
	Red Maple	Sawtimber	1.7	MBF		
	Sugar Maple	Sawtimber	0.9	MBF		
	Mixed Aspen	Pulpwood	585	Cords		
	<i>B. T. Aspen</i>	Pulpwood	137	Cords		
	<i>Quaking Aspen</i>	Pulpwood	448	Cords		
	Mixed Hardwood	Pulpwood	104	Cords		
	<i>Balsam Poplar</i>	Pulpwood	8	Cords		
	<i>Basswood</i>	Pulpwood	16	Cords		
	<i>Ironwood</i>	Pulpwood	5	Cords		
	<i>Red Maple</i>	Pulpwood	44	Cords		
	<i>Sugar Maple</i>	Pulpwood	31	Cords		
8	Basswood	Sawtimber	8.4	MBF	23.0	\$6,387.55
	Sugar Maple	Sawtimber	1.5	MBF		
	Mixed Aspen	Pulpwood	225	Cords		
	<i>B. T. Aspen</i>	Pulpwood	78	Cords		
	<i>Quaking Aspen</i>	Pulpwood	147	Cords		
	Mixed Hardwood	Pulpwood	94	Cords		
	<i>Balsam Poplar</i>	Pulpwood	4	Cords		
	<i>Basswood</i>	Pulpwood	36	Cords		
	<i>Ironwood</i>	Pulpwood	7	Cords		
	<i>Sugar Maple</i>	Pulpwood	47	Cords		
9	Basswood	Sawtimber	6.4	MBF	19.9	\$7,118.40
	Sugar Maple	Sawtimber	16.9	MBF		
	Mixed Aspen	Pulpwood	48	Cords		
	<i>Quaking Aspen</i>	Pulpwood	48	Cords		
	Mixed Hardwood	Pulpwood	49	Cords		
	<i>Basswood</i>	Pulpwood	4	Cords		
	<i>Ironwood</i>	Pulpwood	2	Cords		
	<i>Sugar Maple</i>	Pulpwood	43	Cords		

* Price as of 1/28/2026. May change before advertisement.

ADVERTISED PRICE

MARKET GROUP	PRODUCT	QUANTITY	UNITS	BASE PRICE*	FACTORIED PRICE*	ADVERTISED PRICE*	ADJ PRICE
Basswood	Sawtimber	17.6	MBF	\$69.49	\$69.49	\$52.00	<input type="checkbox"/>
Paper Birch	Sawtimber	5.4	MBF	\$108.44	\$108.44	\$81.00	<input type="checkbox"/>
Red Maple	Sawtimber	10.1	MBF	\$229.92	\$229.92	\$172.00	<input type="checkbox"/>
Sugar Maple	Sawtimber	21.5	MBF	\$412.78	\$412.78	\$310.00	<input type="checkbox"/>
Balsam Fir	Pulpwood	98	Cords	\$7.27	\$7.27	\$5.45	<input type="checkbox"/>
Mixed Aspen	Pulpwood	4,931	Cords	\$25.24	\$25.24	\$18.95	<input type="checkbox"/>
Mixed Hardwood	Pulpwood	932	Cords	\$17.36	\$17.36	\$13.00	<input type="checkbox"/>
White Spruce	Pulpwood	7	Cords	\$14.64	\$14.64	\$11.00	<input type="checkbox"/>

* Price as of 1/28/2026. May change before advertisement.

SALE SUMMARY

AVG STUMPPAGE PRICE	ADJ STUMPPAGE PRICE	ADVERTISED PRICE
\$154,458.46	\$154,458.46	\$115,924.35

SALE FACTOR
0%

ROOM TO BID
-25%

EXTRAORDINARY
ROAD COSTS

SALE FACTOR COMMENTS

EXTRAORDINARY ROAD COST'S COMMENTS

ADJUSTMENT REASON COMMENTS

LEGAL DESCRIPTION

TWN	RANGE	SEC	QUARTER QUARTER
43N	31W	10	N1/2NE
43N	31W	11	NWNE,S1/2NE,NWSE
43N	31W	14	N1/2NW,SWNW,W1/2NE
43N	31W	15	E1/2NE

ACQUISITION

ACQUISITION FUND	ACRES	%
Tax Reverted	173.7	100.0

PROPOSAL REPORT NOTES

SALE NOTE (The sale note prints on the prospectus cover sheet and the Timber Sale information page. It is limited to 1,000 characters.)

Sale Specific Conditions & Requirements**Sale Name: Pothole Pulp****Sale Number: 12-051-26 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. 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) 5, 6, and 7, cut all trees which meet minimum piece specifications in 2.2 Utilization, except all conifer, oak, birch, and black cherry.

2.1.3 - Cut Tree Marked Unit(s) (12/08)

Within Payment Unit(s) 8 and 9, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

2.1.7 - Leave Tree Marked Unit(s) (6/14)

Within Payment Unit(s) 1, 2, 3, and 4, all trees, which meet minimum piece specifications in 2.2 Utilization, are designated for cutting except cedar, oak, yellow birch, and trees marked with green paint above and below stump height.

In addition, within:

Payment Units 1 and 2, leave all conifer.

Payment Units 3 and 4, leave all red pine and white pine.

2.2 - Utilization**2.2.6 - Roundwood Operation Required (3/21)**

The skidding of whole trees or tree segments with limbs attached is prohibited within Payment Units 8 and 9. All products must be produced as roundwood and forwarded to existing roads or landing areas in final product length. Trees must be harvested with in-woods processor (feller bunching harvester will not be allowed) in order to retain existing understory.

3 - Payments**3.4 - Damaged Timber****3.4.1 - Damaged Timber (12/24)**

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. 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

4.1.4 - 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.

4.1.6 - Road Construction (4/24)

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, 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.

4.2 - 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

4.4.1 - Private property access (3/11)

Permission for access across private land (Verdant / Sage) is the responsibility of the Purchaser.

5 - Operations

5.2 - Conduct of Operations

5.2.1 - Slash

5.2.1.11 - Slash for Reforestation (3/21)

To facilitate reforestation, Payment Units 1 - 7, 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) 8 and 9, 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.

5.2.32 - 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.

5.2.37 - No Decking Areas (12/08)

No decking is allowed within 50 feet of the county road (Way Dam Road).

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 are 12 inches or greater in depth and 50 feet in length. The Unit Manager or his/her representative may restrict hauling and/or skidding if ruts exceed the specified depth. With the Unit Manager or his/her representative's approval, the Purchaser may return to the area when the risk of rutting has decreased.

5.4.6 - Wet Area Protection (5/10)

No harvesting operations, including skidding and felling, are to take place within the vernal pond areas or drainages. When harvesting occurs, there should be no disturbance to the vernal pond depression. All equipment, trees and tops should be kept out of this area. Within 100 feet of the pond, equipment should only be used when the soil is in a dry or frozen condition. Care must be taken by the Purchaser to identify and avoid operating in these areas of the timber sale. All or most of these areas have already been excluded from the timber sale.

5.8 - Protection of Endangered Species**5.8.5 - Protection of Raptor Nests (3/13)**

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an onsite 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 Way Dam 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.



Michigan Department of Natural Resources - Forest Resources Division

TIMBER SALE MAP

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

Forest Management Unit		County	Mapped By: Brolin	Sale Number 12-051-26	Date 01/28/2026
Crystal Falls Mgt Unit		Iron	Cruised By: Brolin	Scale 1:20,000	Page 1
Township 43N	Range 31W	Section(s) and Subdivision(s)	Sec. 10 N1/2NE; Sec. 11 NWNE,S1/2NE,NWSE; Sec. 14 N1/2NW,SWNW,W1/2NE; Sec. 15 E1/2NE;	Of 1	1

Cover Type

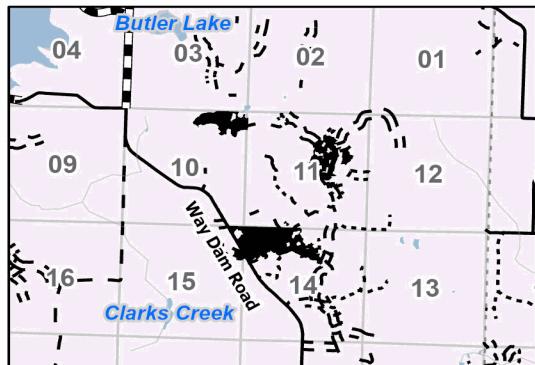
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand
G = Grass	MD = Mixed Deciduous		Z = Water
H = Hemlock	N = Marsh		

Pothole Pulp										
Iron - Compartment 145										
UNIT	1	2	3	4	5	6	7	8	9	TOTALS
ACRES	20.4	17.6	15.4	27.1	17.8	18	14.5	23	19.9	173.7
Sawlogs MBF										
Sugar Maple	0.0	0.0	0.0	0.0	1.1	1.1	0.9	1.5	16.9	21.5
Basswood	0.0	0.0	0.0	0.0	1.0	1.0	0.8	8.4	6.4	17.6
Red Maple	0.0	0.0	1.6	2.6	2.1	2.1	1.7	0.0	0.0	10.1
Paper Birch	2.9	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4
TOTAL	2.9	2.5	1.6	2.6	4.2	4.2	3.4	9.9	23.3	54.6
Pulpwood CORDS										
Mixed Aspen	684	590	490	865	718	726	585	225	48	4931
Mixed Hardwood	70	63	106	188	128	130	104	94	49	932
Balsam Fir	0	0	36	62	0	0	0	0	0	98
White Spruce	0	0	3	4	0	0	0	0	0	7
TOTAL	754	653	635	1119	846	856	689	319	97	5968

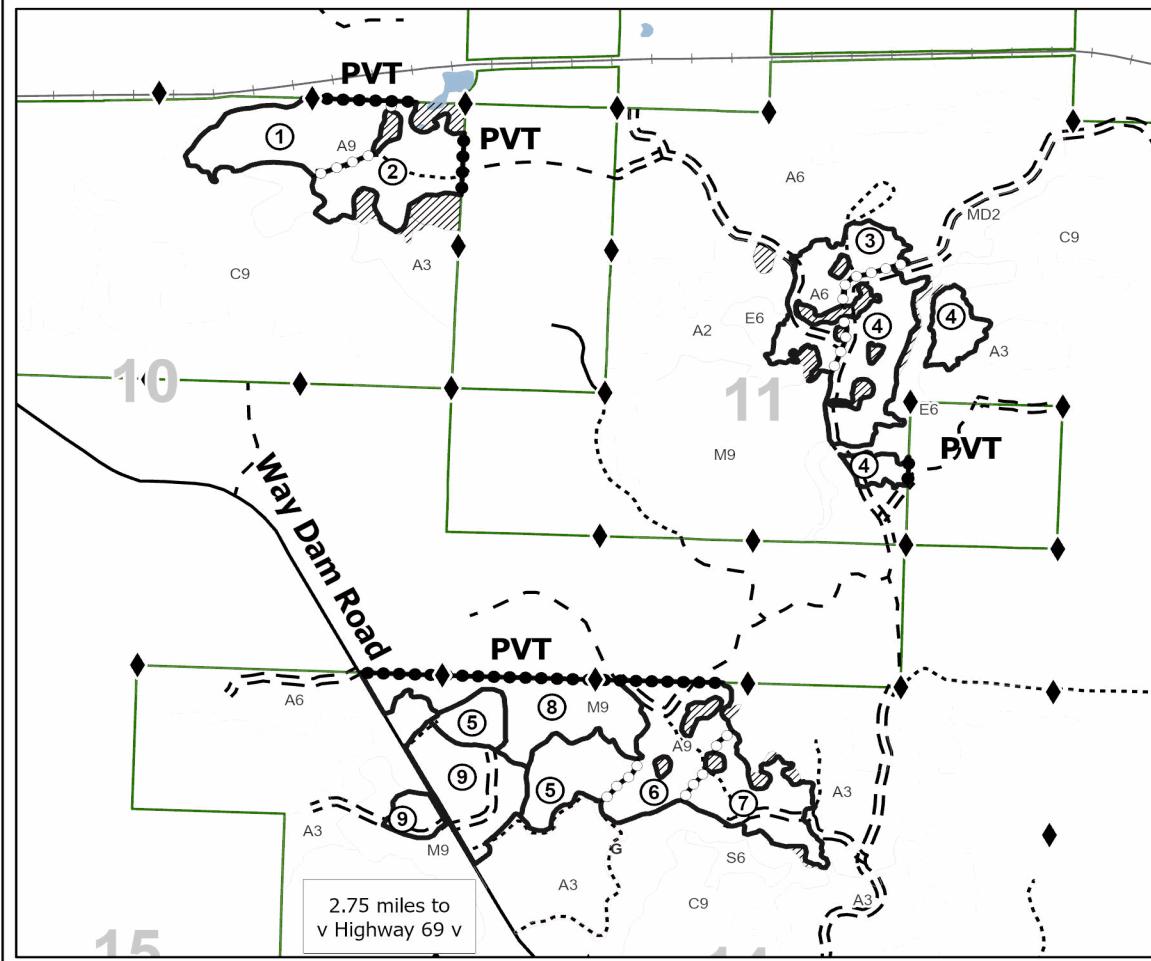
0 0.25 0.5 1 Miles

Pothole Pulp**173.7 Acres****Compartment 145**

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

Locator Map 1:100,000**Legend**

- Against State (Red)
- Private Line (Blue)
- Payment Unit (Yellow)
- Retention Area
- State Forests
- Forest Access Route
- Administrative Access Only
- Paved Road
- Private Gravel/Dirt
- Railroads
- Survey Corner
- Lakes and Rivers



Use QR Code to open Map in App





Michigan Department of Natural Resources – Forest Resource Division

TIMBER SALE PROPOSAL CHECKLIST

FOR INSTRUCTIONS TO COMPLETE THIS FORM, SEE IC4031-6.

SALE NAME: Pothole Pulp

SALE #: 12-051-26

DATE: 01/28/2026

INFLUENCE ZONE	GENERAL FOREST	TRAVEL	WATER	REC.	WILD OR NATURAL AREA	WINTER DEER RANGE	OTHER	COMMENT
1. Which influence zones apply to this sale? If "Other" is selected, enter a comment.	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		

(Check or prioritize by entering number)

MANAGEMENT OBJECTIVE	TIMBER	WILDLIFE	RECREATION	OTHER	COMMENT
2. What is the Management Objective for this sale? <i>Select as many as apply.</i> If "Other" is selected, enter a comment.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

CERTIFIED LANDS	RELATED SALE SPECS	COMMENT
3. Is the land within the sale treatment area certified?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	
a) Is the sale number in the proper format? GNA: (XX-8YY-ZZ) NON-GNA: (XX-6YY-ZZ)	<input type="checkbox"/> No <input type="checkbox"/> Yes	
b) Have the proper specifications been used? NON-GNA: 7.10.1	<input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 7.10.1	

AESTHETICS	RELATED SALE SPECS	COMMENT
4. Is there a seasonal restriction that will reduce the visual impact?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> 5.2.3.1 <input type="checkbox"/> 5.2.3.2
5. Are there specifications, in addition to 5.2.1, to manage visual impact from slash?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> 5.2.1.2.6 <input type="checkbox"/> 5.2.1.8
6. Is any part of this sale a clearcut? If "Yes", answer the following:	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input type="checkbox"/>
a) Was the actual or apparent treatment area reduced?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Retention and/or vernal areas
b) Was an irregular treatment boundary designed?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input type="checkbox"/>
c) Were "leave trees" strategically located?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> 2.1.7 <input type="checkbox"/> 3.4.2
d) Were uncut buffers left?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> 3.4.3 <input type="checkbox"/> retention and/or vernal areas
e) Was the stand age class in the area staggered?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input type="checkbox"/>
f) Was a feathered look created?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>
g) Was the clearcut adapted for skyline considerations?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>
h) Is the area being converted to selective management?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> PU8 moving towards more hardwood than aspen
i) If Travel was selected in Question 1, was the area adapted for travel?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>
j) Is this clearcut adjacent to another clearcut area where the trees are less than three (3) years old or less than five (5) feet high? If "Yes", describe alternative methods to provide for visual quality on the site. (Alternatives can include leaving residual trees in new clearcut, if the adjacency requirements cannot be met.)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>

k) Is the clearcut greater than 100 contiguous acres? If "Yes", enter justification in Additional Comments on page 6.	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	
7. Is this sale, or stands within this sale, classified as a plantation or pine-dominate type? If "Yes", answer the following:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	
a) Was diversity of the area enhanced?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	
b) Were thinning adaptations used?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	
c) Were special landing locations designed?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> 5.2.3.1	
d) Was the "ARM" harvest system used?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	
e) If Travel was selected in Question 1, was selective harvesting used adjacent to the road?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	
f) Was the pine/hardwood edge contrast softened?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	
g) Were stumps cut lower than the General Specifications?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> 2.2.3	
h) Were uncut islands left?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> 3.4.3	
8. A recreation site such as a trail, pathway or campground is within the sale area or the vicinity. If "Yes", answer the following:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> 6.2.2 <input type="checkbox"/> 6.2.3	
a) Does the timber harvest activity offer the opportunity to connect existing trails in the area? (Note: New trails need to be designated through a separate trail proposal process). If "Yes", give a brief description. Use the additional Comments section if needed.	<input type="checkbox"/> No <input type="checkbox"/> Yes		
b) Was an uncut buffer left?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	
c) Was the area next to the site converted to a selectively managed type?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	
d) Were clumps or strips of trees left to reduce visibility?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	
e) Was a trail or pathway rerouted to a better location? <input type="checkbox"/> N/A <input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> 5.2.42		
f) Was only one side of the site treated per entry year? <input type="checkbox"/> N/A <input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>		
g) Does the contract require slash to be reduced or treated?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> 5.2.39 <input type="checkbox"/> 5.2.40 <input type="checkbox"/> 5.2.41	

COMMUNITY RELATIONS	RELATED SALE SPECS	COMMENT	
9. Were sale boundaries clearly identified on maps and on the ground?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input type="checkbox"/>	
10. Were neighbors notified of DNR's intent to harvest adjacent to their property?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input type="checkbox"/>	
11. Which of the following applies to this sale? Check one.			
a) Access may be through private land.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 4.4.1	Verdant / Sage
b) Access may be through other public land.	<input type="checkbox"/>	<input type="checkbox"/> 4.4.2	
c) Access may be through private or other public land.	<input type="checkbox"/>	<input type="checkbox"/> 4.4.3	
d) Access may be through state forest land.	<input type="checkbox"/>		
12. Are there any known tribal resources affected by this sale? [Note: Tribal resources may include adjacent lands, bodies of water, critical habitats, and Riparian corridors, as well as other resource uses such as rights to hunt, fish, or gather.] If "Yes", enter comment.	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	
13. Does the sale involve undivided interest parcels?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		
a) If "Yes", have all interested parties been informed?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	

UNIQUE RESOURCES		RELATED SALE SPECS	COMMENT
14. The Natural Heritage Database has been checked. <input checked="" type="checkbox"/> Yes Are there any known or potential occurrences of special concern, threatened or endangered species that may be affected by the sale? Note that specs 5.8.1, 5.8.3., 5.8.4, and 5.8.7 are to protect potential occurrences. If "Yes", answer a).	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	
a) Was the occurrence known and reviewed at Compartment Review? If "Yes" follow recommendations. If "No" answer b).	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> 5.8.1 <input type="checkbox"/> 5.8.2	
b) Is this a new occurrence that was not known at Compartment Review? If "Yes", was the occurrence reported to the Statewide Endangered Species Coordinator, and was proposed management action developed in collaboration with other divisions?	<input type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> 5.8.3 <input type="checkbox"/> 5.8.4 <input type="checkbox"/> 5.8.5 <input type="checkbox"/> 5.8.6 <input type="checkbox"/> 5.8.7	
15. Is there a Special Conservation Area or other ecologically unique features in or adjacent to the sale area? If "Yes", enter a comment describing the feature.	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	
16. Are there any geologically unique features in or adjacent to the sale area? If "Yes", enter a comment describing the feature.	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	
17. Are there any historically or culturally significant features in or adjacent to the sale area? If "Yes", enter a comment describing the feature. (General spec 5.7 also protects historic sites)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/> 5.7.1	
18. Does the sale area contain stand level habitat elements that need to be protected during harvest, i.e., snags, den trees, coarse woody debris, large over-mature trees?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> 5.2.2.1 <input type="checkbox"/> 5.2.2.2 <input type="checkbox"/> 5.2.2.3 <input type="checkbox"/> 5.2.4.3 <input type="checkbox"/> 5.2.29	
FOREST HEALTH AND REGENERATION		RELATED SALE SPECS	COMMENT
19. Will slash be distributed uniformly across the site, removed from site or chipped? If "No", enter justification comment for concentrating slash. [Note: site preparation, fuel reduction and creating small piles for rabbit habitat are acceptable reasons to concentrate slash]	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> 4.1.3 <input type="checkbox"/> 5.2.1.8 <input type="checkbox"/> 5.2.1.9 <input type="checkbox"/> 5.2.1.10 <input checked="" type="checkbox"/> 5.2.1.11 <input type="checkbox"/> 5.2.1.12 <input type="checkbox"/> 5.2.1.13 <input type="checkbox"/> 5.2.1.14	
20. Does the sale contain a regeneration harvest? If "Yes", answer a) and b).	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		
a) Does the sale involve difficult to regenerate species?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		aspen
b) Is desirable advanced regeneration present and protected from damage?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> 3.4.1	
21. Are there any fire or forest health risks in the sale area that required special attention? [Note: 5.2.1 Slash and 6.1 General Industry Safety Standards cover fire issues]	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input type="checkbox"/> 5.2.3.1 <input type="checkbox"/> 5.2.3.2 <input checked="" type="checkbox"/> 5.2.3.3 <input type="checkbox"/> 5.2.3.4 <input type="checkbox"/> 5.2.3.5 <input type="checkbox"/> 5.2.3.6 <input type="checkbox"/> 5.2.3.9 <input type="checkbox"/> 5.2.3.11 <input type="checkbox"/> 7.3.1.1 <input type="checkbox"/> 7.3.1.2 <input type="checkbox"/> 7.3.2	
If "Yes", were these issues addressed?	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes		

WATER QUALITY AND SITE PRODUCTIVITY						
22. Sustainable Soil and Water Quality Best Management Practices (BMPs). [Note: General spec 5.3 requires all contracts to comply with the BMP manual]						
	AFFECTED BY SALE	IDENTIFIED ON MAP (IF APPLICABLE)	RMZ IDENTIFIED (IF APPLICABLE)	PERMITS REQUIRED (IF APPLICABLE)	RELATED SALE SPECS	COMMENT
a) Stream Crossings	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 4.1.1 <input type="checkbox"/> 4.1.2 <input type="checkbox"/> 4.1.5 <input type="checkbox"/> 4.1.11	
b) Lakes	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c) Ponds	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d) Vernal Ponds	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 5.4.6	
e) Perennial Streams	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 4.1.5	
f) Intermittent Streams	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 4.1.5	
g) Bogs	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 4.1.5	
h) Marshes	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 4.1.5	
i) Fens	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 4.1.5	
j) Forested or non-forested riparian areas	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 4.1.5	
k) Floodplain greater than or equal to 2 square miles	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
l) Special designation such as trout stream, natural river, or wild and scenic river.	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
m) Other:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
23. Are the following road construction standards applied?					RELATED SALE SPECS	COMMENT
a) Minimize road construction If spec 4.1.12 was used, then 23b) and 23c) are N/A.					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> N/A	<input type="checkbox"/> 4.1.12
b) Methods employed to minimize visual or environmental impact of new roads					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> 4.1.6
c) Temporary roads are closed					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> 4.1.7
d) Does the timber harvest activity offer the opportunity to connect existing roads in the area?					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	
If "Yes", was this approved at compartment review? If other, explain in Comments.					<input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> other	
e) Landing areas identified and restored					<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A <input type="checkbox"/> 5.2.30 <input type="checkbox"/> 5.2.31 <input checked="" type="checkbox"/> 5.2.32 <input type="checkbox"/> 5.2.33 <input checked="" type="checkbox"/> 5.2.37	
f) Existing erosion problems are identified					<input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>
g) Existing erosion problems are corrected					<input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>
h) Failed drainage structures are identified					<input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>
i) Failed drainage structures are corrected					<input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>
j) Other:					<input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>

24. Were the following soil erosion hazards identified and are plans in place to protect them?	IDENTIFIED ON MAP	SLOPES STEEPER THAN 10% (IF APPLICABLE)	RELATED SALE SPECS (IF APPLICABLE)	COMMENT
a) Erosion from road <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 5.4.1	
b) Erosion from skid trails <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5.4.2	
c) Erosion of sensitive soils <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5.4.3	
d) Other erosion hazards <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5.4.4	
25. Were soil compaction and rutting risks present and are plans to prevent damage in place?			SEASONAL RESTRICTIONS REQUIRED (IF APPLICABLE)	RELATED SALE SPECS
a) Saturated Soils <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>		<input checked="" type="checkbox"/> 5.4.1	
b) Organic Soils <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>		<input type="checkbox"/> 5.4.5	
c) Poorly drained or somewhat poorly drained soils <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>		<input checked="" type="checkbox"/> 5.4.6	
d) Fine textured soils (loam, silt, and clay soils) <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>		<input type="checkbox"/> 5.4.7	
e) Other: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	<input type="checkbox"/>		<input type="checkbox"/>	
26. Will ruts deeper or longer than the rutting guidance of 12 inches deep and 50 feet long be allowed in the sale area? If "Yes", enter justification comment for deeper or longer ruts.			RELATED SALE SPECS	COMMENT
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> N/A			<input checked="" type="checkbox"/> 5.4.1 <input type="checkbox"/> 5.4.7 <input type="checkbox"/>	
27. Were site contamination standards requiring equipment to be parked away from riparian management zones, sinkholes, or supplies of ground water adequately addressed with sale specs? [Note: General Specifications 5.6 and 5.6.1 address trash and oil spills]			<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A	
<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A			<input type="checkbox"/>	
28. Does this sale require retention of at least 1/6 to 1/3 of slash (Michigan Woody Biomass Harvesting Guidance, General Condition & Requirement 2.2)?			<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	general <input type="checkbox"/> 2.2.2 <input type="checkbox"/> 2.2.8 <input type="checkbox"/> 2.2.9 <input type="checkbox"/> 2.2.10 <input type="checkbox"/> 2.2.11

RETENTION		
29. The following retention was left to meet the retention guidelines.		
STANDS OR PAYMENT UNITS	RETENTION APPLIED	COMMENT
	<input type="checkbox"/> None ¹ <input type="checkbox"/> 3-10% Acreage ² <input type="checkbox"/> 3-10% BA ³ <input type="checkbox"/> Combination ⁴	
PU 01, PU 02, PU 03, PU 04, PU 05, PU 06, PU 07	<input type="checkbox"/> None ¹ <input checked="" type="checkbox"/> 3-10% Acreage ² <input type="checkbox"/> 3-10% BA ³ <input type="checkbox"/> Combination ⁴	
PU 08, PU 09	<input type="checkbox"/> None ¹ <input type="checkbox"/> 3-10% Acreage ² <input checked="" type="checkbox"/> 3-10% BA ³ <input type="checkbox"/> Combination ⁴	
	<input type="checkbox"/> None ¹ <input type="checkbox"/> 3-10% Acreage ² <input type="checkbox"/> 3-10% BA ³ <input type="checkbox"/> Combination ⁴	
1. If "None" was selected, was it approved at Compartment Review? <input type="checkbox"/> No <input type="checkbox"/> Yes 2. Acreage used with: Clearcut w/Reserves, Clearcut Patch, Clearcut Strip, Seed Tree, Seed Tree w/Reserves, Shelterwood, Shelterwood w/Reserves. 3. Basal Area used with: Single Tree Selection, Group Selection, Thinning. 4. Combination: Used when acreage and individual trees are left.		
MANAGEMENT INTENTIONS	COMMENT	
30. Were all management intentions, as agreed upon at the Compartment Review meeting, provided for in this sale? If "No", then answer the following:	<input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	
a) If the sale proposal and/or change in prescription did not go through a Compartment Review meeting, was approval provided per the post review procedure in Section 7 of Policy and Procedure 32.22.15 and were DNR Resource Assessment Guidelines followed, as outlined in IC4123?	<input type="checkbox"/> No <input type="checkbox"/> Yes	
ADDITIONAL COMMENTS		