



MICHIGAN DEPARTMENT OF NATURAL RESOURCES

Draft

TIMBER SALE PROPOSAL

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

SALE NAME Bone Paddle		SALE NUMBER 12-053-26		SEQ # 1	FISCAL YEAR 2026	SALE ID 22212	☐ NOT CERTIFIED ☐ SALVAGE ☐ GNA
MANAGEMENT UNIT Crystal Falls Mgt Unit		OFFICE Crystal Falls Office		ACRES 205.8		COMPARTMENT(S) 130	
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*
Black Cherry	Sawtimber	16.8	MBF	\$13.00	\$218.40						
Red Maple	Sawtimber	120.1	MBF	\$135.00	\$16,213.50	1	20.6	\$2,638.40	2	27.4	\$4,309.35
Sugar Maple	Sawtimber	49.2	MBF	\$244.00	\$12,004.80	3	20.0	\$6,202.80	4	19.0	\$5,886.25
Yellow Birch	Sawtimber	10.9	MBF	\$90.00	\$981.00	5	22.3	\$6,900.15	6	30.7	\$9,502.65
Balsam Fir	Pulpwood	114	Cords	\$6.45	\$735.30	7	29.0	\$8,998.25	8	6.7	\$961.90
Mixed Hardwood	Pulpwood	1,883	Cords	\$9.55	\$17,982.65	9	16.5	\$5,327.15	10	4.9	\$1,040.40
Mixed Spruce	Pulpwood	220	Cords	\$5.85	\$1,287.00	11	8.7	\$2,210.70			
Quaking Aspen	Pulpwood	213	Cords	\$20.95	\$4,462.35	* Price as of 10/2/2026. May change before advertisement.					
Tamarack	Pulpwood	15	Cords	\$6.20	\$93.00						
	Total	197.0 2,445	MBF Cords		\$ 53,978.00						
* Price as of 10/2/2026. May change before advertisement.											

APPROVALS					Date Submitted:
☐ Land owned or controlled by DMVA		☒ Notify Fisheries Division		☐ Notify Parks Division	☐ 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		ASSELIND		
COMMENT:					
DIVISION	TITLE	ACTION	REQUESTED OF/ACTION TAKEN BY	DATE/TIME	
FRD	TMS		HILLR3		
COMMENT:					
DIVISION	TITLE	ACTION	REQUESTED OF/ACTION TAKEN BY	DATE/TIME	
WILD	Biologist	Notified	BougieT		
COMMENT:					
DIVISION	TITLE	ACTION	REQUESTED OF/ACTION TAKEN BY	DATE/TIME	
FISH	Biologist	Notified	JohnsonJ17		
COMMENT:					

TREATMENT LIST									
FOREST/ CMPT/ STAND	ID	TREATMENT	ACRES	COVER TYPE	S/D	OI	TREATMENT METHOD	MGMT OBJ	PROPOSED START DATE
12130033	134969	12130033-Cut	8.7	4319 - Mixed Upland Forest	Poletimber Well	Upland Mixed Forest	Shelterwood with Retention	4319 - Mixed Upland Forest	10/01/2025
12130041	134970	12130041-Cut	121.0	4119 - Mixed Northern Hardwoods	Sawtimber Well	Northern Hardwood	Single Tree Selection	411 - Northern Hardwood	10/01/2025
12130017	135013	12130017-Cut	9.2	42330 - Upland Fir	Poletimber Well	Upland Spruce/Fir	Clearcut with Retention	4319 - Mixed Upland Forest	10/01/2025
12130018	135015	12130018-Cut	7.3	4130 - Aspen	Poletimber Well	Aspen	Seed Tree	413 - Aspen	10/01/2025
12130003	135018	12130003-Cut	27.4	4112 - Maple, Beech, Cherry Association	Poletimber Well	Northern Hardwood	Single Tree Selection	411 - Northern Hardwood	10/01/2025
12130002	135019	12130002-Cut	20.6	4112 - Maple, Beech, Cherry Association	Poletimber Well	Northern Hardwood	Single Tree Selection	411 - Northern Hardwood	10/01/2025
12130028	162256	12130028-Cut	6.7	4115 - Y.Birch, Hemlock NH	Poletimber Well	Northern Hardwood	Crown Thinning	411 - Northern Hardwood	10/01/2025
12130025	162257	12130025-Cut	4.9	4115 - Y.Birch, Hemlock NH	Sawtimber Well	Northern Hardwood	Shelterwood	4319 - Mixed Upland Forest	10/01/2025

TREATMENT AREA DETAILS**12130033-Cut****PRESCRIPTIONS SPECIFICATIONS:**

Harvest merchantable trees to promote regeneration. Leave cedar, hemlock, pine, and yellow birch. In combination with leave species, mark to leave healthy, long lived, trees while maintaining a residual cover of 40 - 50 BA across the stand.

OTHER COMMENTS:

Leave and do not disturb any downed trees within this stand during harvest.

NEXT STEP TREATMENTS:

Monitoring, Natural Regen (Re-Inventory), Monitor for regeneration. Hemlock seedlings in understory 2'-3' tall, see if they respond after harvest and opening up canopy gaps., 100%, Required

ACCEPTABLE REGENERATION:

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

12130041-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. Remove all merchantable spruce/fir. Leave some large future snag trees for wildlife. Leave cedar, hemlock, and pine if present. Leave at least a couple of healthy black cherry per acre if present while marking. Favor species diversity while marking.

OTHER COMMENTS:**NEXT STEP TREATMENTS:**

Monitoring, Natural Regen (Re-Inventory), Currently not much for hardwood saplings in most areas. Monitor for northern hardwood regeneration., 100%, Required

ACCEPTABLE REGENERATION:

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

12130017-Cut**PRESCRIPTIONS SPECIFICATIONS:**

Harvest to a 2" spec to promote conifer regeneration and help to expand the adjacent interior aspen stand. Mark to leave a few healthy spruce and/or black cherry per acre if present. Leave cedar, hemlock, and pine.

OTHER COMMENTS:

Long term retention is included in the open lowland buffer which will help protect water quality.

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.

12130018-Cut**PRESCRIPTIONS SPECIFICATIONS:**

Harvest to a 2" spec to promote aspen regeneration and expand the aspen stand along the borders. Leave cedar, hemlock, and pine. In combination with leave species, mark to leave approximately one black cherry or paper birch per acre if present.

OTHER COMMENTS:**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.

12130003-Cut**PRESCRIPTIONS SPECIFICATIONS:**

Mark stand to 70 - 90 BA. Focus on improving quality and re-open or create canopy gaps to encourage northern hardwood regeneration and success. Leave some large future snag trees for wildlife. Leave all conifer and birch. Favor species diversity while marking.

OTHER COMMENTS:

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.

12130002-Cut**PRESCRIPTIONS SPECIFICATIONS:**

Mark stand to 60 - 80 BA. Focus on improving quality, releasing crop trees, and re-open or create canopy gaps to encourage northern hardwood regeneration. Remove all merchantable balsam fir. Leave some large future snag trees for wildlife. Leave cedar, hemlock, pine, and white spruce if present. Leave at least one birch and black cherry per acre while marking. Favor species diversity while marking.

OTHER COMMENTS:

Thin a bit heavier to encourage new hardwood regeneration which is lacking at this time. Winter cutting spec for deer wintering area.

Snowmobile Trail Spec will be needed.

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.

12130028-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. Remove all merchantable spruce/fir. Leave some large future snag trees for wildlife. Leave cedar, hemlock, and pine if present. Leave at least a couple of healthy black cherry per acre if present while marking. Favor species diversity while marking.

OTHER COMMENTS:**NEXT STEP TREATMENTS:**

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

12130025-Cut**PRESCRIPTIONS SPECIFICATIONS:**

Harvest merchantable trees to promote regeneration and release current hemlock saplings. Leave cedar, hemlock, pine, and yellow birch. In combination with leave species, mark to leave healthy, long lived, trees to maintain a minimum residual cover of 30-40 BA across the stand.

OTHER COMMENTS:

Some patches may be higher BA with leave species. No retention due to small size.

NEXT STEP TREATMENTS:

Monitoring, Natural Regen (Re-Inventory), Monitor for regeneration and release of hemlock saplings, currently 2'-4' tall., 100%, Required

ACCEPTABLE REGENERATION:

Any combination of the current overstory species.

VDU DETAILS and CRUISE STATS											
VDU	ACRES	CRUISE TYPE	CRUISED BA	STRATUM	TALLY %	BAF	PLOTS	MEAN	STD DEV	COEF OF VAR	ACH ERROR
1	20.6	Sample Tree Ratio	45.24	N/A	N/A	10.00	21	11.63	10.44	89.73	26.07
2	27.4	Sample Tree Ratio	38.52	N/A	N/A	10.00	27	10.63	9.49	89.20	23.46
3	6.7	Sample Tree Ratio	41.43	N/A	N/A	10.00	7	11.63	14.69	126.27	65.27
4	121.0	Sample Tree Ratio	50.76	N/A	N/A	10.00	66	13.95	12.87	92.20	14.63
5	16.5	Sample Tree Ratio	79.69	N/A	N/A	15.00	16	21.52	26.19	121.68	40.03
6	4.9	Sample Tree Ratio	62.00	N/A	N/A	10.00	5	15.55	10.95	70.36	36.37
7	8.7	Sample Tree Ratio	76.67	N/A	N/A	10.00	9	20.52	16.02	78.08	28.68
STATISTICS ON CUMULATIVE AND VBAR TALLY SALE VOLUMES								14.13	14.38	101.76	10.48

TREATMENT TO VDU							
TREATMENT NAME	ACRES	STAND/ VDU	Trt/VDU AC	TREATMENT NAME	ACRES	STAND/ VDU	Trt/VDU AC
12130033-Cut	8.7	7	8.7	12130003-Cut	27.4	2	27.4
12130041-Cut	121.0	4	121.0	12130002-Cut	20.6	1	20.6
12130017-Cut	9.2	5	9.2	12130028-Cut	6.7	3	6.7
12130018-Cut	7.3	5	7.3	12130025-Cut	4.9	6	4.9

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	20.6	Black Cherry	Sawtimber	0.8	MBF	Black Cherry	Sawtimber	16.8	MBF
		Red Maple	Sawtimber	0.6	MBF	Red Maple	Sawtimber	120.1	MBF
		Sugar Maple	Sawtimber	1.1	MBF	Sugar Maple	Sawtimber	49.2	MBF
		Yellow Birch	Sawtimber	0.7	MBF	Yellow Birch	Sawtimber	10.9	MBF
		Mixed Hardwood	Pulpwood	232	Cords	Balsam Fir	Pulpwood	114	Cords
		Black Cherry	Pulpwood	92	Cords	Mixed Hardwood	Pulpwood	1,883	Cords
		Red Maple	Pulpwood	54	Cords	Black Cherry	Pulpwood	193	Cords
		Sugar Maple	Pulpwood	85	Cords	Paper Birch	Pulpwood	6	Cords
		Yellow Birch	Pulpwood	1	Cords	Red Maple	Pulpwood	1,052	Cords
						Sugar Maple	Pulpwood	564	Cords
						Yellow Birch	Pulpwood	68	Cords
2	27.4	Black Cherry	Sawtimber	11.8	MBF	Mixed Spruce	Pulpwood	220	Cords
		Red Maple	Sawtimber	3.9	MBF	Black Spruce	Pulpwood	86	Cords
		Sugar Maple	Sawtimber	5.3	MBF	White Spruce	Pulpwood	134	Cords
		Yellow Birch	Sawtimber	0.4	MBF	Quaking Aspen	Pulpwood	213	Cords
		Mixed Hardwood	Pulpwood	241	Cords	Tamarack	Pulpwood	15	Cords
		Black Cherry	Pulpwood	73	Cords				
		Red Maple	Pulpwood	61	Cords				
		Sugar Maple	Pulpwood	105	Cords				
		Yellow Birch	Pulpwood	2	Cords				
3	6.7	Red Maple	Sawtimber	2.0	MBF				
		Mixed Hardwood	Pulpwood	70	Cords				
		Red Maple	Pulpwood	57	Cords				
		Sugar Maple	Pulpwood	13	Cords				
		Mixed Spruce	Pulpwood	4	Cords				
		White Spruce	Pulpwood	4	Cords				
4	121.0	Black Cherry	Sawtimber	3.0	MBF				
		Red Maple	Sawtimber	103.7	MBF				
		Sugar Maple	Sawtimber	42.8	MBF				
		Yellow Birch	Sawtimber	9.8	MBF				
		Balsam Fir	Pulpwood	72	Cords				
		Mixed Hardwood	Pulpwood	1,188	Cords				
		Black Cherry	Pulpwood	17	Cords				
		Red Maple	Pulpwood	751	Cords				
		Sugar Maple	Pulpwood	355	Cords				
		Yellow Birch	Pulpwood	65	Cords				
		Mixed Spruce	Pulpwood	55	Cords				
5	16.5	White Spruce	Pulpwood	55	Cords				
		Balsam Fir	Pulpwood	25	Cords				
		Mixed Hardwood	Pulpwood	2	Cords				
		Black Cherry	Pulpwood	2	Cords				
		Mixed Spruce	Pulpwood	100	Cords				
		Black Spruce	Pulpwood	73	Cords				
		White Spruce	Pulpwood	27	Cords				
		Quaking Aspen	Pulpwood	213	Cords				
6	4.9	Tamarack	Pulpwood	15	Cords				
		Red Maple	Sawtimber	3.4	MBF				
		Balsam Fir	Pulpwood	10	Cords				
		Mixed Hardwood	Pulpwood	48	Cords				
		Red Maple	Pulpwood	48	Cords				
		Mixed Spruce	Pulpwood	10	Cords				
7	8.7	White Spruce	Pulpwood	10	Cords				
		Black Cherry	Sawtimber	1.2	MBF				
		Red Maple	Sawtimber	6.5	MBF				
		Balsam Fir	Pulpwood	7	Cords				
		Mixed Hardwood	Pulpwood	102	Cords				
		Black Cherry	Pulpwood	9	Cords				
		Paper Birch	Pulpwood	6	Cords				
		Red Maple	Pulpwood	81	Cords				
		Sugar Maple	Pulpwood	6	Cords				
		Mixed Spruce	Pulpwood	51	Cords				
		Black Spruce	Pulpwood	13	Cords				

VDU	ACRES	MARKET GROUP	PRODUCT	QUANTITY	UNIT
		White Spruce	Pulpwood	38	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	20.6	1	20.6	1	Black Cherry	Sawtimber	0.8	MBF	20.6	\$2,638.40
2	27.4	2	27.4		Red Maple	Sawtimber	0.6	MBF		
3	6.7	8	6.7		Sugar Maple	Sawtimber	1.1	MBF		
4	121.0	3	20.0		Yellow Birch	Sawtimber	0.7	MBF		
		4	19.0		Mixed Hardwood	Pulpwood	232	Cords		
		5	22.3		Black Cherry	Pulpwood	92	Cords		
		6	30.7		Red Maple	Pulpwood	54	Cords		
		7	29.0		Sugar Maple	Pulpwood	85	Cords		
5	16.5	9	16.5		Yellow Birch	Pulpwood	1	Cords		
6	4.9	10	4.9							
7	8.7	11	8.7							
				2	Black Cherry	Sawtimber	11.7	MBF	27.4	\$4,309.35
					Red Maple	Sawtimber	3.9	MBF		
					Sugar Maple	Sawtimber	5.3	MBF		
					Yellow Birch	Sawtimber	0.4	MBF		
					Mixed Hardwood	Pulpwood	241	Cords		
					Black Cherry	Pulpwood	73	Cords		
					Red Maple	Pulpwood	61	Cords		
					Sugar Maple	Pulpwood	105	Cords		
					Yellow Birch	Pulpwood	2	Cords		
				3	Black Cherry	Sawtimber	0.5	MBF	20.0	\$6,202.80
					Red Maple	Sawtimber	17.1	MBF		
					Sugar Maple	Sawtimber	7.1	MBF		
					Yellow Birch	Sawtimber	1.6	MBF		
					Balsam Fir	Pulpwood	12	Cords		
					Mixed Hardwood	Pulpwood	197	Cords		
					Black Cherry	Pulpwood	3	Cords		
					Red Maple	Pulpwood	124	Cords		
					Sugar Maple	Pulpwood	59	Cords		
					Yellow Birch	Pulpwood	11	Cords		
					Mixed Spruce	Pulpwood	9	Cords		
					White Spruce	Pulpwood	9	Cords		
				4	Black Cherry	Sawtimber	0.5	MBF	19.0	\$5,886.25
					Red Maple	Sawtimber	16.3	MBF		
					Sugar Maple	Sawtimber	6.7	MBF		
					Yellow Birch	Sawtimber	1.5	MBF		
					Balsam Fir	Pulpwood	11	Cords		
					Mixed Hardwood	Pulpwood	187	Cords		
					Black Cherry	Pulpwood	3	Cords		
					Red Maple	Pulpwood	118	Cords		
					Sugar Maple	Pulpwood	56	Cords		
					Yellow Birch	Pulpwood	10	Cords		
					Mixed Spruce	Pulpwood	9	Cords		
					White Spruce	Pulpwood	9	Cords		
				5	Black Cherry	Sawtimber	0.6	MBF	22.3	\$6,900.15
					Red Maple	Sawtimber	19.1	MBF		
					Sugar Maple	Sawtimber	7.9	MBF		
					Yellow Birch	Sawtimber	1.8	MBF		
					Balsam Fir	Pulpwood	13	Cords		
					Mixed Hardwood	Pulpwood	218	Cords		
					Black Cherry	Pulpwood	3	Cords		
					Red Maple	Pulpwood	138	Cords		
					Sugar Maple	Pulpwood	65	Cords		
					Yellow Birch	Pulpwood	12	Cords		
					Mixed Spruce	Pulpwood	10	Cords		

DESCRIPTION OF TIMBER BY PU						
PU	GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADV PRICE*
	<i>White Spruce</i>	<i>Pulpwood</i>	10	<i>Cords</i>		
6	Black Cherry	Sawtimber	0.8	MBF	30.7	\$9,502.65
	Red Maple	Sawtimber	26.3	MBF		
	Sugar Maple	Sawtimber	10.8	MBF		
	Yellow Birch	Sawtimber	2.6	MBF		
	Balsam Fir	Pulpwood	18	Cords		
	Mixed Hardwood	Pulpwood	301	Cords		
	<i>Black Cherry</i>	<i>Pulpwood</i>	4	<i>Cords</i>		
	<i>Red Maple</i>	<i>Pulpwood</i>	191	<i>Cords</i>		
	<i>Sugar Maple</i>	<i>Pulpwood</i>	90	<i>Cords</i>		
	<i>Yellow Birch</i>	<i>Pulpwood</i>	16	<i>Cords</i>		
	Mixed Spruce	Pulpwood	14	Cords		
	<i>White Spruce</i>	<i>Pulpwood</i>	14	<i>Cords</i>		
7	Black Cherry	Sawtimber	0.7	MBF	29.0	\$8,998.25
	Red Maple	Sawtimber	24.9	MBF		
	Sugar Maple	Sawtimber	10.3	MBF		
	Yellow Birch	Sawtimber	2.3	MBF		
	Balsam Fir	Pulpwood	17	Cords		
	Mixed Hardwood	Pulpwood	285	Cords		
	<i>Black Cherry</i>	<i>Pulpwood</i>	4	<i>Cords</i>		
	<i>Red Maple</i>	<i>Pulpwood</i>	180	<i>Cords</i>		
	<i>Sugar Maple</i>	<i>Pulpwood</i>	85	<i>Cords</i>		
	<i>Yellow Birch</i>	<i>Pulpwood</i>	16	<i>Cords</i>		
	Mixed Spruce	Pulpwood	13	Cords		
	<i>White Spruce</i>	<i>Pulpwood</i>	13	<i>Cords</i>		
8	Red Maple	Sawtimber	2.0	MBF	6.7	\$961.90
	Mixed Hardwood	Pulpwood	70	Cords		
	<i>Red Maple</i>	<i>Pulpwood</i>	57	<i>Cords</i>		
	<i>Sugar Maple</i>	<i>Pulpwood</i>	13	<i>Cords</i>		
	Mixed Spruce	Pulpwood	4	Cords		
	<i>White Spruce</i>	<i>Pulpwood</i>	4	<i>Cords</i>		
9	Balsam Fir	Pulpwood	26	Cords	16.5	\$5,327.15
	Mixed Hardwood	Pulpwood	2	Cords		
	<i>Black Cherry</i>	<i>Pulpwood</i>	2	<i>Cords</i>		
	Mixed Spruce	Pulpwood	100	Cords		
	<i>Black Spruce</i>	<i>Pulpwood</i>	73	<i>Cords</i>		
	<i>White Spruce</i>	<i>Pulpwood</i>	27	<i>Cords</i>		
	Quaking Aspen	Pulpwood	213	Cords		
	Tamarack	Pulpwood	15	Cords		
10	Red Maple	Sawtimber	3.4	MBF	4.9	\$1,040.40
	Balsam Fir	Pulpwood	10	Cords		
	Mixed Hardwood	Pulpwood	48	Cords		
	<i>Red Maple</i>	<i>Pulpwood</i>	48	<i>Cords</i>		
	Mixed Spruce	Pulpwood	10	Cords		
	<i>White Spruce</i>	<i>Pulpwood</i>	10	<i>Cords</i>		
11	Black Cherry	Sawtimber	1.2	MBF	8.7	\$2,210.70
	Red Maple	Sawtimber	6.5	MBF		
	Balsam Fir	Pulpwood	7	Cords		
	Mixed Hardwood	Pulpwood	102	Cords		
	<i>Black Cherry</i>	<i>Pulpwood</i>	9	<i>Cords</i>		
	<i>Paper Birch</i>	<i>Pulpwood</i>	6	<i>Cords</i>		
	<i>Red Maple</i>	<i>Pulpwood</i>	81	<i>Cords</i>		
	<i>Sugar Maple</i>	<i>Pulpwood</i>	6	<i>Cords</i>		
	Mixed Spruce	Pulpwood	51	Cords		

DESCRIPTION OF TIMBER BY PU						
PU	GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADV PRICE*
	Black Spruce	Pulpwood	13	Cords		
	White Spruce	Pulpwood	38	Cords		

* Price as of 10/2/2026. May change before advertisement.

ADVERTISED PRICE							
MARKET GROUP	PRODUCT	QUANTITY	UNITS	BASE PRICE*	FACTORED PRICE*	ADVERTISED PRICE*	ADJ PRICE
Black Cherry	Sawtimber	16.8	MBF	\$17.85	\$17.85	\$13.00	☐
Red Maple	Sawtimber	120.1	MBF	\$180.56	\$180.56	\$135.00	☐
Sugar Maple	Sawtimber	49.2	MBF	\$324.93	\$324.93	\$244.00	☐
Yellow Birch	Sawtimber	10.9	MBF	\$119.37	\$119.37	\$90.00	☐
Balsam Fir	Pulpwood	114	Cords	\$8.60	\$8.60	\$6.45	☐
Mixed Hardwood	Pulpwood	1,883	Cords	\$12.75	\$12.75	\$9.55	☐
Mixed Spruce	Pulpwood	220	Cords	\$7.79	\$7.79	\$5.85	☐
Quaking Aspen	Pulpwood	213	Cords	\$27.93	\$27.93	\$20.95	☐
Tamarack	Pulpwood	15	Cords	\$8.25	\$8.25	\$6.20	☐

* Price as of 10/2/2026. May change before advertisement.

SALE SUMMARY

AVG STUMPAGE PRICE	ADJ STUMPAGE PRICE	ADVERTISED PRICE
\$72,048.12	\$72,048.12	\$53,978.00

SALE FACTOR

0%

ROOM TO BID

-25%

EXTRAORDINARY ROAD COSTS

SALE FACTOR COMMENTS

EXTRAORDINARY ROAD COST'S COMMENTS

ADJUSTMENT REASON COMMENTS

LEGAL DESCRIPTION				ACQUISITION		
TWN	RANGE	SEC	QUARTER QUARTER	ACQUISITION FUND	ACRES	%
46N	34W	18	SWSW	Exchange (Private Acq)	141.3	68.7
46N	34W	19	SWNW,NWSW	Tax Reverted	64.5	31.3
46N	34W	20	NESW			
46N	34W	28	NW,NE			

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.)

Within Payment Units 3 - 8, 10, and 11, access roads within are saturated during all summer months. Contact the sale administrator with any questions or concerns about access.

Sale Specific Conditions & Requirements

Sale Name: Bone Paddle

Sale Number: 12-053-26 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 and red paint. Retention patches are marked with red paint; no harvesting activities may occur within these areas. The painted boundary line trees are not Included Timber and are to be protected 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. Red painted trees designating an interior Payment Unit boundary are to be protected unless marked with orange paint.

2 - Timber Specifications

2.1 - Included Timber

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

Within Payment Unit(s) 1 - 8, all trees are designated for cutting when marked with orange paint above and below stump height, regardless of merchantability.

Also, within Payment Unit 1, remove all merchantable balsam fir. Within Payment Unit 3 - 8, remove all merchantable spruce and balsam fir.

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

Within Payment Unit(s) 9, cut all trees that are two (2) inches or more at DBH excepts cedar, hemlock, pine, and trees marked with green paint above and below stump height.

Within Payment Units 10 and 11, all trees which meet minimum piece specifications in 2.2 Utilization, are designated for cutting except cedar, hemlock, pine, yellow birch, and trees marked with green paint above and below stump height.

Also, within Payment Unit 11, leave and use extra caution to not disturb any downed trees.

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 1 - 8. 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 in order to retain existing understory.

2.2.7 - Uncut Designated Trees (2/04)

Liquidated damages of \$5.00 per tree will be assessed for every marked tree not cut.

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 undesigned 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 may 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

4.2.2 - Fill Material (4/07)

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

4.2.4 - Grading (10/16)

For completion of the sale, state forest roads must be graded. In general, this will require a road grader or 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.

4.2.5 - Two Wheel Drive Condition (2/04)

All existing trail roads on and adjacent to the Sale Area must be passable by two-wheel drive traffic for the duration of the sale.

4.4 - Access

4.4.1 - Private property access (3/11)

Permission for access across private land is the responsibility of the Purchaser. Should the Purchaser desire to cross private land, a copy of the written permission from the private landowner may be required by the DNR.

5 - Operations

5.1 - Notification

5.1.1 - Pre-sale Conference (10/25)

A pre-sale conference between the Purchaser and Sale Administrator is required prior to beginning any operations.

The Unit Manager or his/her representative must be contacted at least 10 days in advance to schedule the conference.

5.2 - Conduct of Operations

5.2.1 - Slash**5.2.1.11 - Slash for Reforestation (3/21)**

To facilitate reforestation, the Payment Units 9 - 11 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.

5.2.1.14 - Chipping of Slash (10/08)

If tops are chipped, they must be skidded to the landing separately from the bole section of the tree. Skidding of tops must be done in such a way as to minimize damage to the residual trees.

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 and 2, unless changed by written agreement, cutting, skidding, and hauling are limited to the period of 11/1 to 4/15. This restriction is because of winter deer range.

5.2.3.3 - Bark Slippage Restriction (3/09)

Within Payment Unit(s) 1 - 8, unless changed by written agreement, cutting and skidding are not permitted during the period of April 15 to July 15. This restriction is because of bark slippage.

5.2.17 - Timber Mats and Interlocking Composite Mats (5/23)

Some roads or skid trails may require extra protection such as that afforded by timber mats, interlocking composite mats, or another approved system. If available, mats may be borrowed from the DNR. A Timber Sale Contract Amendment will be used to document the Purchaser's use of the DNR's mats. Contact the Sale Administrator regarding availability and pick-up. Timber mats are available from various field offices. Composite mats are only available from the Marquette ICC. The Purchaser is responsible for picking up and hauling the mats to and from the site. The composite mats will require DNR staff onsite for installation and removal. Contact the Sale Administrator to schedule at least 30 days before desired install/removal date. All mats must be cleaned prior to drop off. This may include, but is not limited to, power washing and brushing to remove mud and debris. A charge of \$700.00 per timber mat and \$2,000.00 per composite mat will be assessed for all damaged or non-returned mats. Damage for the crane/timber mats is defined as three or more broken cants. Damage for the composite mats is defined as cracked or broken mats.

5.2.22 - Operating Caution**5.2.22.1 - Operating Caution (6/11)**

It is recommended, but not required, that within Payment Unit(s) 3 - 8, 10, and 11, cutting, skidding, and hauling occur during frozen winter conditions. The reason for the recommendation is mainly due to very wet access routes. If roadwork and/or fill material is utilized, operating seasons may expand.

5.2.32 - Decking/Landing Restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

5.2.38 - No Decking Against Live Trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.4 - Soil Protection

5.4.1 - Rutting Restriction, General (7/16)

Operations are to cease immediately if equipment and weather conditions result in rutting of roads and/or skid trails which are 12 inches or greater in depth and 50 feet in length. Note: Trees within 10 feet of ruts exceeding this standard will be considered damaged due to the roots being severed and will be billed in accordance with specification 3.4 Damaged Timber. 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.

Note: Trees within 10 feet of ruts exceeding 6 inches will be considered damaged due to the severing of the trees roots and will be billed in accordance with 3.4 Damaged Timber.

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. Note: Some vernal areas were identified and excluded during sale preparation. Others may still exist or were marked around to be avoided.

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 Cable Lake Road, at various locations depending on operations, 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

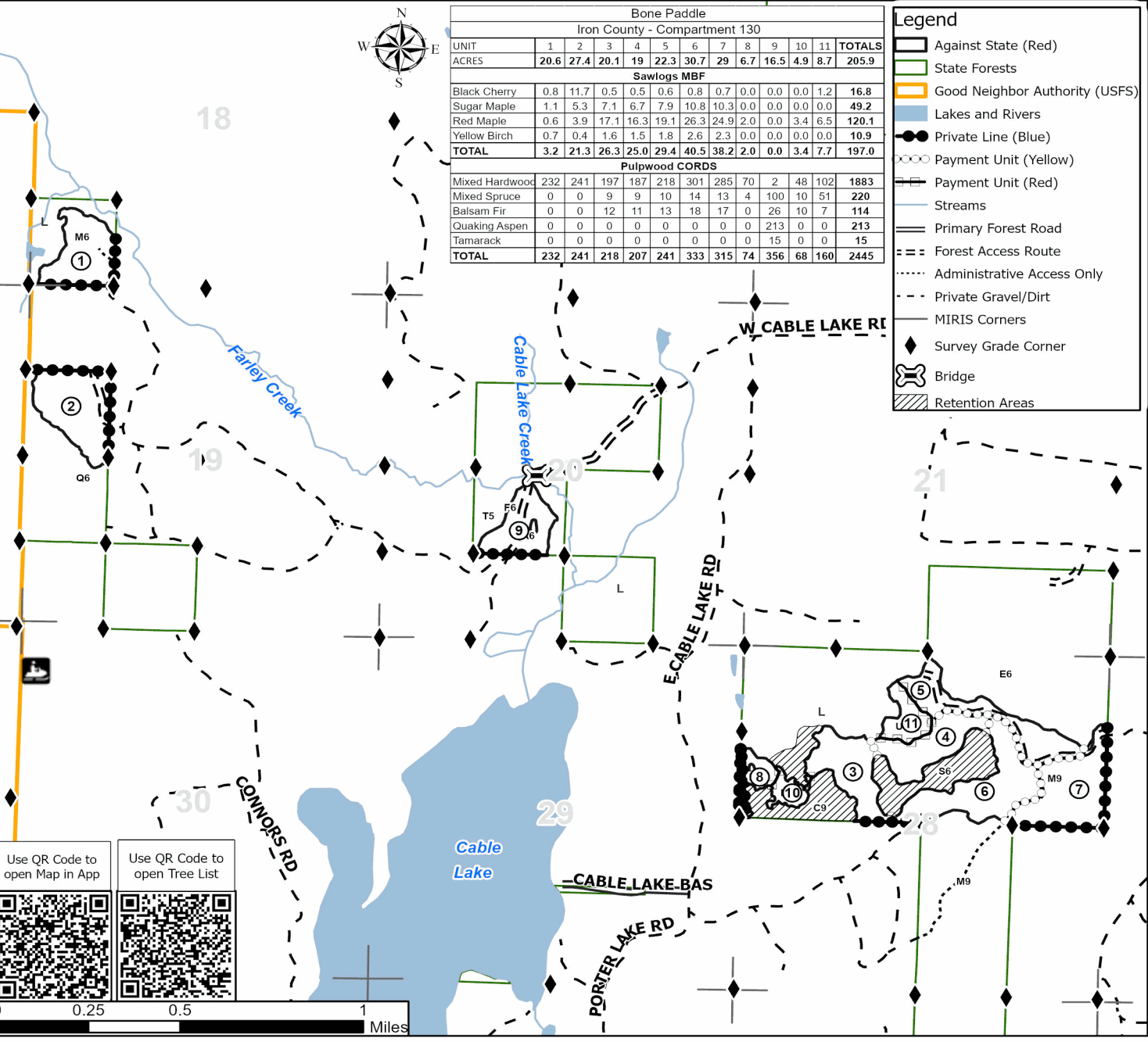
This information provided by authority of Part 525, 1994 PA 451, as amended.

Sale Number	Date	
12-053-26	10/02/2026	
Scale	Page	Of
1:26,000	1	1

Forest Management Unit	County	Mapped By: Brolin
Crystal Falls Mgt Unit	Iron	Cruised By: Brolin

Township	Range	Section(s) and Subdivision(s)
46N	34W	Sec. 18 SWSW; Sec. 19 SWNW,NWSW; Sec. 20 NESW; Sec. 28 NW,NE;

Cover Type				Density	
A = Aspen	J = Jack Pine	O = Oak	U = Upland Brush	0 = Non Stocked	5 = Pole Timber Medium
B = Paper Birch	K = Rock	P = Lowland Poplar	UM = Upland Mix Forest	1 = Seedling Sapling Poor	6 = Pole Timber Well
C = Cedar	L = Lowland Brush	Q = Mixed Swamp Conifer	V = Bog or Marsh	2 = Seedling Sapling Medium	7 = Saw Timber Poor
D = Treed Bog	LM = Lowland Mix Forest	R = Red Pine	W = White Pine	3 = Seedling Sapling Well	8 = Saw Timber Medium
E = Swamp Hardwoods	M = Maple, Beech, Birch	S = Black Spruce	X = Non Stocked	4 = Pole Timber Poor	9 = Saw Timber Well
F = Spruce/Fir	MC = Mixed Conifer	T = Tamarack	Y = Sand		
G = Grass	MD = Mixed Deciduous		Z = Water		
H = Hemlock	N = Marsh				





Michigan Department of Natural Resources – Forest Resource Division

TIMBER SALE PROPOSAL CHECKLIST

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

SALE NAME: Bone Paddle**SALE #:** 12-053-26**DATE:** 10/02/2026

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.	X					X		

(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.	☒	☒	☐	☐	

CERTIFIED LANDS	RELATED SALE SPECS	COMMENT
3. Is the land within the sale treatment area certified?	☐ No ☒ Yes	
a) Is the sale number in the proper format? GNA: (XX-8YY-ZZ) NON-GNA: (XX-6YY-ZZ)	☐ No ☐ Yes	
b) Have the proper specifications been used? NON-GNA: 7.10.1	☐ No ☐ Yes ☐ 7.10.1	

AESTHETICS	RELATED SALE SPECS	COMMENT
4. Is there a seasonal restriction that will reduce the visual impact?	☒ No ☒ Yes	☒ 5.2.3.1 ☐ 5.2.3.2 winter deer range
5. Are there specifications, in addition to 5.2.1, to manage visual impact from slash?	☒ No ☐ Yes	☐ 5.2.1.2.6 ☐ 5.2.1.8
6. Is any part of this sale a clearcut? If "Yes", answer the following:	☒ No ☐ Yes	☐
a) Was the actual or apparent treatment area reduced?	☐ No ☐ Yes	☐
b) Was an irregular treatment boundary designed?	☐ No ☐ Yes	☐
c) Were "leave trees" strategically located?	☐ No ☐ Yes	☐ 2.1.7 ☐ 3.4.2
d) Were uncut buffers left?	☐ No ☐ Yes	☐ 3.4.3
e) Was the stand age class in the area staggered?	☐ No ☐ Yes	☐
f) Was a feathered look created?	☐ No ☐ Yes	☐
g) Was the clearcut adapted for skyline considerations?	☐ No ☐ Yes	☐
h) Is the area being converted to selective management?	☐ No ☐ Yes	☐
i) If Travel was selected in Question 1, was the area adapted for travel?	☐ No ☐ Yes	☐
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.)	☐ No ☐ Yes	☐

k) Is the clearcut greater than 100 contiguous acres? If "Yes", enter justification in Additional Comments on page 6.	☐ No ☐ Yes	☐	
7. Is this sale, or stands within this sale, classified as a plantation or pine-dominate type? If "Yes", answer the following:	☒ No ☐ Yes	☐	
a) Was diversity of the area enhanced?	☐ No ☐ Yes	☐	
b) Were thinning adaptations used?	☐ No ☐ Yes	☐	
c) Were special landing locations designed?	☐ No ☐ Yes	☐ 5.2.3.1	
d) Was the "ARM" harvest system used?	☐ No ☐ Yes	☐	
e) If Travel was selected in Question 1, was selective harvesting used adjacent to the road?	☐ No ☐ Yes	☐	
f) Was the pine/hardwood edge contrast softened?	☐ No ☐ Yes	☐	
g) Were stumps cut lower than the General Specifications?	☐ No ☐ Yes	☐ 2.2.3	
h) Were uncut islands left?	☐ No ☐ Yes	☐ 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:	☒ No ☐ Yes	☐ 6.2.2 ☐ 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.	☐ No ☐ Yes		
b) Was an uncut buffer left?	☐ No ☐ Yes	☐	
c) Was the area next to the site converted to a selectively managed type?	☐ No ☐ Yes	☐	
d) Were clumps or strips of trees left to reduce visibility?	☐ No ☐ Yes	☐	
e) Was a trail or pathway rerouted to a better location? ☐ N/A	☐ No ☐ Yes	☐ 5.2.42	
f) Was only one side of the site treated per entry year? ☐ N/A	☐ No ☐ Yes	☐	
g) Does the contract require slash to be reduced or treated?	☐ No ☐ Yes	☐ 5.2.39 ☐ 5.2.40 ☐ 5.2.41	

COMMUNITY RELATIONS		RELATED SALE SPECS	COMMENT
9. Were sale boundaries clearly identified on maps and on the ground?	☐ No ☒ Yes	☒ 1.2.1	
10. Were neighbors notified of DNR's intent to harvest adjacent to their property?	☐ No ☒ Yes	☐	compartment review
11. Which of the following applies to this sale? Check one.			
a) Access may be through private land.	☒	☒ 4.4.1	
b) Access may be through other public land.	☐	☐ 4.4.2	
c) Access may be through private or other public land.	☐	☐ 4.4.3	
d) Access may be through state forest land.	☐		
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.	☒ No ☐ Yes	☐	
13. Does the sale involve undivided interest parcels?	☒ No ☐ Yes		
a) If "Yes", have all interested parties been informed?	☐ No ☐ Yes	☐	

UNIQUE RESOURCES		RELATED SALE SPECS	COMMENT
14. The Natural Heritage Database has been checked. ☒ 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).	☒ No ☐ Yes	☐	
a) Was the occurrence known and reviewed at Compartment Review? If "Yes" follow recommendations. If "No" answer b).	☐ No ☐ Yes	☐ 5.8.1 ☐ 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?	☐ No ☐ Yes	☐ 5.8.3 ☐ 5.8.4 ☐ 5.8.5 ☐ 5.8.6 ☐ 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.	☒ No ☐ Yes	☐	
16. Are there any geologically unique features in or adjacent to the sale area? If "Yes", enter a comment describing the feature.	☒ No ☐ Yes	☐	
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)	☒ No ☐ Yes	☐ 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?	☐ No ☒ Yes	☒ 5.2.2.1 ☐ 5.2.2.2 ☐ 5.2.2.3 ☐ 5.2.4.3 ☐ 5.2.29	2.1.7 PUT1, leave and protect dead and down
FOREST HEALTH AND REGENERATION			
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]	☐ No ☒ Yes	☐ 4.1.3 ☐ 5.2.1.8 ☐ 5.2.1.9 ☐ 5.2.1.10 ☒ 5.2.1.11 ☐ 5.2.1.12 ☐ 5.2.1.13 ☒ 5.2.1.14	
20. Does the sale contain a regeneration harvest? If "Yes", answer a) and b).	☐ No ☒ Yes		
a) Does the sale involve difficult to regenerate species?	☒ No ☐ Yes		
b) Is desirable advanced regeneration present and protected from damage?	☐ No ☒ Yes	☒ 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]	☐ No ☒ Yes	☐ 5.2.3.1 ☐ 5.2.3.2 ☒ 5.2.3.3 ☐ 5.2.3.4 ☐ 5.2.3.5 ☐ 5.2.3.6	
If "Yes", were these issues addressed?	☐ No ☒ Yes	☐ 5.2.3.9 ☐ 5.2.3.11 ☐ 7.3.1.1 ☐ 7.3.1.2 ☐ 7.3.2	

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	☒ No ☐ Yes	☐	☐	☐	☐ 4.1.1 ☐ 4.1.2 ☐ 4.1.5 ☐ 4.1.11	
b) Lakes	☒ No ☐ Yes	☐	☐	☐	☐	
c) Ponds	☒ No ☐ Yes	☐	☐	☐	☐	
d) Vernal Ponds	☐ No ☒ Yes	☐	☐	☐	☒ 5.4.6	
e) Perennial Streams	☒ No ☐ Yes	☐	☐	☐	☐ 4.1.5	
f) Intermittent Streams	☒ No ☐ Yes	☐	☐	☐	☐ 4.1.5	
g) Bogs	☒ No ☐ Yes	☐	☐	☐	☐ 4.1.5	
h) Marshes	☒ No ☐ Yes	☐	☐	☐	☐ 4.1.5	
i) Fens	☒ No ☐ Yes	☐	☐	☐	☐ 4.1.5	
j) Forested or non-forested riparian areas	☒ No ☐ Yes	☐	☐	☐	☐ 4.1.5	
k) Floodplain greater than or equal to 2 square miles	☒ No ☐ Yes	☐	☐	☐	☐	
l) Special designation such as trout stream, natural river, or wild and scenic river.	☒ No ☐ Yes	☐	☐	☐	☐	
m) Other:	☒ No ☐ Yes	☐	☐	☐	☐	

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.	☒ No ☐ Yes ☐ N/A ☐ 4.1.12	
b) Methods employed to minimize visual or environmental impact of new roads	☐ No ☒ Yes ☐ N/A ☒ 4.1.6	
c) Temporary roads are closed	☐ No ☒ Yes ☐ N/A ☒ 4.1.7	
d) Does the timber harvest activity offer the opportunity to connect existing roads in the area?	☒ No ☐ Yes	
If "Yes", was this approved at compartment review? If other, explain in Comments.	☐ No ☐ Yes ☐ other	
e) Landing areas identified and restored	☐ No ☒ Yes ☐ N/A ☐ 5.2.30 ☐ 5.2.31 ☒ 5.2.32 ☐ 5.2.33 ☐ 5.2.37	
f) Existing erosion problems are identified	☐ No ☐ Yes ☒ N/A ☐	
g) Existing erosion problems are corrected	☐ No ☐ Yes ☒ N/A ☐	
h) Failed drainage structures are identified	☐ No ☐ Yes ☒ N/A ☐	
i) Failed drainage structures are corrected	☐ No ☐ Yes ☒ N/A ☐	
j) Other:	☒ No ☐ Yes ☐ N/A ☐	

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 ☐ No ☐ Yes ☒ N/A	☐	☐	☒ 5.4.1	access roads in areas were addressed in specs
b) Erosion from skid trails ☐ No ☐ Yes ☒ N/A	☐	☐	☐ 5.4.2 ☐ 5.4.3	
c) Erosion of sensitive soils ☐ No ☐ Yes ☒ N/A	☐	☐	☐ 5.4.4	
d) Other erosion hazards ☐ No ☐ Yes ☒ N/A	☐	☐	☐	

25. Were soil compaction and rutting risks present and are plans to prevent damage in place?	SEASONAL RESTRICTIONS REQUIRED (IF APPLICABLE)	RELATED SALE SPECS	COMMENT
a) Saturated Soils ☐ No ☒ Yes ☐ N/A	☐	☒ 5.4.1	
b) Organic Soils ☐ No ☐ Yes ☒ N/A	☐	☐ 5.4.5	
c) Poorly drained or somewhat poorly drained soils ☐ No ☐ Yes ☒ N/A	☐	☒ 5.4.6	
d) Fine textured soils (loam, silt, and clay soils) ☐ No ☐ Yes ☒ N/A	☐	☐ 5.4.7	
e) Other: ☐ No ☐ Yes ☒ N/A	☐	☐	

		RELATED SALE SPECS	COMMENT
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.	☒ No ☐ Yes ☐ N/A	☒ 5.4.1 ☐ 5.4.7 ☐	
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]	☐ No ☒ Yes ☐ N/A	☐	general
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)?	☐ No ☒ Yes	☐ 2.2.2 ☐ 2.2.8 ☐ 2.2.9 ☐ 2.2.10 ☐ 2.2.11	general

RETENTION		
29. The following retention was left to meet the retention guidelines.		
STANDS OR PAYMENT UNITS	RETENTION APPLIED	COMMENT
	☐ None ¹ ☐ 3-10% Acreage ² ☐ 3-10% BA ³ ☐ Combination ⁴	
PU 09	☐ None ¹ ☒ 3-10% Acreage ² ☐ 3-10% BA ³ ☐ Combination ⁴	
PU 01, PU 02, PU 03, PU 04, PU 05, PU 06, PU 07, PU 08, PU 10	☐ None ¹ ☐ 3-10% Acreage ² ☒ 3-10% BA ³ ☐ Combination ⁴	
PU 11	☐ None ¹ ☐ 3-10% Acreage ² ☐ 3-10% BA ³ ☒ Combination ⁴	
1. If "None" was selected, was it approved at Compartment Review? ☐ No ☐ 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:	☒ No ☐ 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?	☐ No ☒ Yes	PU8 and 10, discovered access, CH7
ADDITIONAL COMMENTS		