

# **Compartment Review Presentation**

**Crystal Falls Forest Management Unit** 

Compartment 12049 Entry Year 2027 Acreage: 1,811

**County: Dickinson** 

Management Area: Ralph Moraine

Stand Examiner: Rich Goupell

**Legal Description:** 

T42N,R29W, sec. 5,6: T43N,R29W, sec. 31-33; T43N,R30W, sec. 36

#### **Identified Planning Goals:**

This compartment is located in the Ralph Ground Moraine. One goal is to work toward more equal aspen age class distribution, and continue to thin hardwood maintaining diversity as needed. Keep remaining drainages functioning and work toward repairing those drainages that have been adversely affected. Protect stream quality and snowmobile trail.

## Soil and topography:

This is fairly flat ground with some slightly rolling terrain. Soil types range from very poorly drained mucks to loamy fine sand and fine sandy loam.

## Ownership Patterns, Development, and Land Use in and Around the Compartment:

The ownership is fairly contiguous with a few forties along the Leeman road that have full time homes on. On the east side are camps but still fairly contiguous state ownership. There is a snowmobile trail on the east side of the compartment that follows the power line running north and south.

### **Unique Natural Features:**

The Sturgeon river flows through this compartment north to south with a stream dividing the compartment to the south and many drainages through the compartment.

#### Archeological, Historical, and Cultural Features:

#### **Special Management Designations or Considerations:**

The snowmobile trail must be protected.

#### Watershed and Fisheries Considerations:

The North Branch and unnamed tributary to the East Branch Sturgeon River are both designated trout streams and a 300-foot buffer is recommended in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100 feet, plus 5 feet per 1% increase in slope, riparian management zone is recommended to protect riparian areas in accordance with Best Management Practices. There are also wetland areas within this compartment (https://www.mcgi.state.mi.us/wetlands/mcgiMap.html#) If any treatments are near a wetland area, best management practices should be incorporated which include a 100' buffer.

#### Wildlife Habitat Considerations:

This compartment is dominated by upland aspen and maple stands that are interspersed with smaller spruce/fir, swamp conifer and lowland hardwood types. Pipelines and power lines provide some opening component that benefit turkeys, bear, deer and raptors (i.e. broadwing, coopers and red tailed hawks).

#### Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. The closest known active sand/gravel pit is less than one mile southwest. There is some potential for development of sand & gravel within the compartment on the uplands, but bedrock is near the surface in places, and the relatively thin glacial sediments appear to be clay-rich. Furthermore, the compartment might be too far from populated areas (commercial markets) for any aggregate resources present to have much value beyond use by the county road commission or DNR for local road maintenance. Evidence from geophysical data suggests there is good potential for the occurrence of iron formations beneath the compartment, but any ore deposits may be too deep and/or too low grade to be economical to mine. Some test drilling has been completed in the immediate vicinity of the compartment, but there has been no recent leasing activity in the area involving State-owned mineral rights. Potential for future production of metallic minerals from within the compartment is considered low at this time. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral

exploration and development.

#### **Vehicle Access:**

Vehicle Access to this compartment is fairly good including the Leeman road to the north which is a paved county road.

## **Survey Needs:**

Some corners may be needed

### **Recreational Facilities and Opportunities:**

There are fishing opportunities here and there were quite a few hunters of turkeys and deer in this compartment. Camping, trapping, hiking, and snowmobiling is also available here.

#### **Fire Protection:**

Felch protection area.

#### **Additional Compartment Information:**

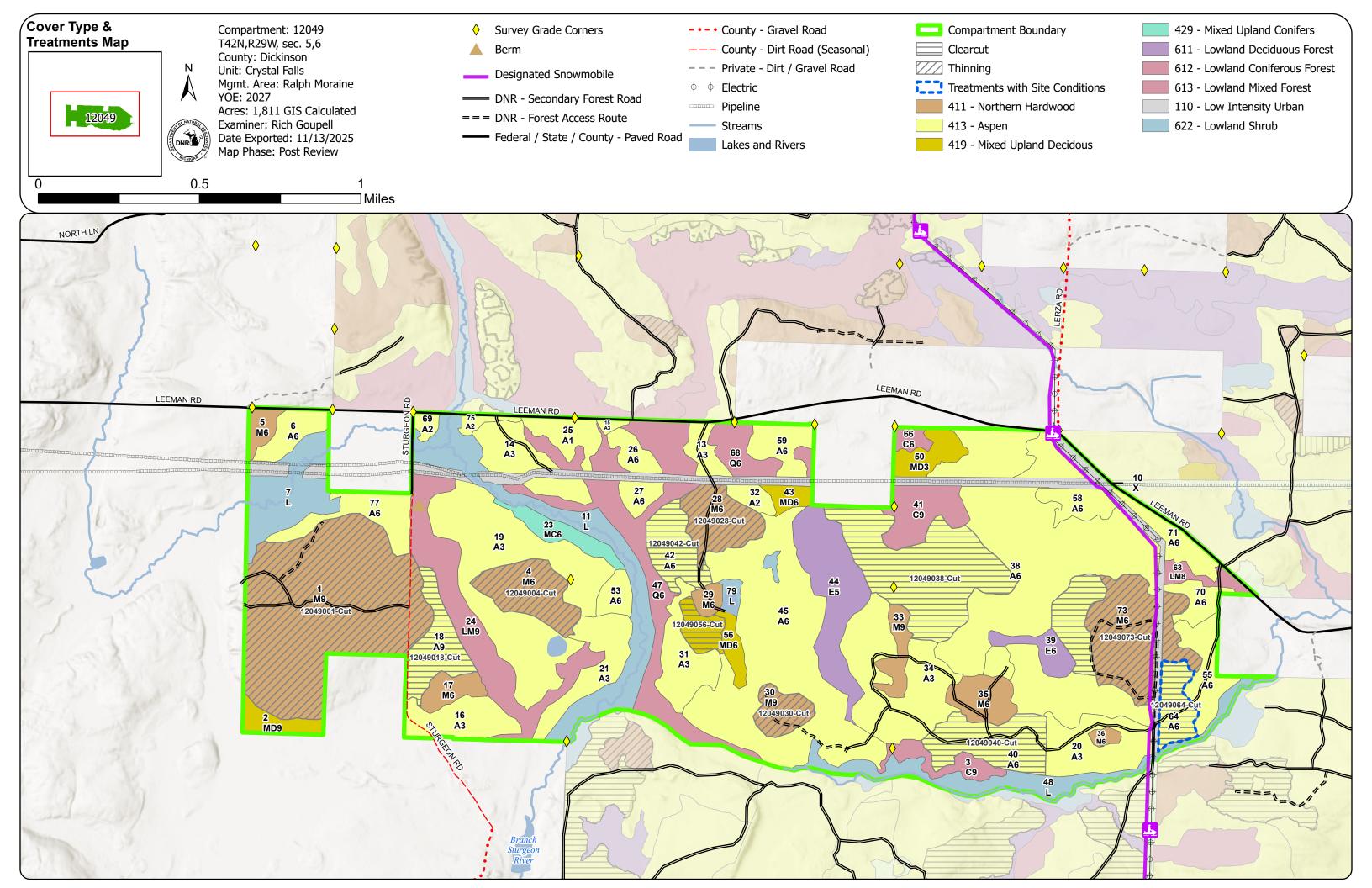
The following reports from the Inventory are attached:

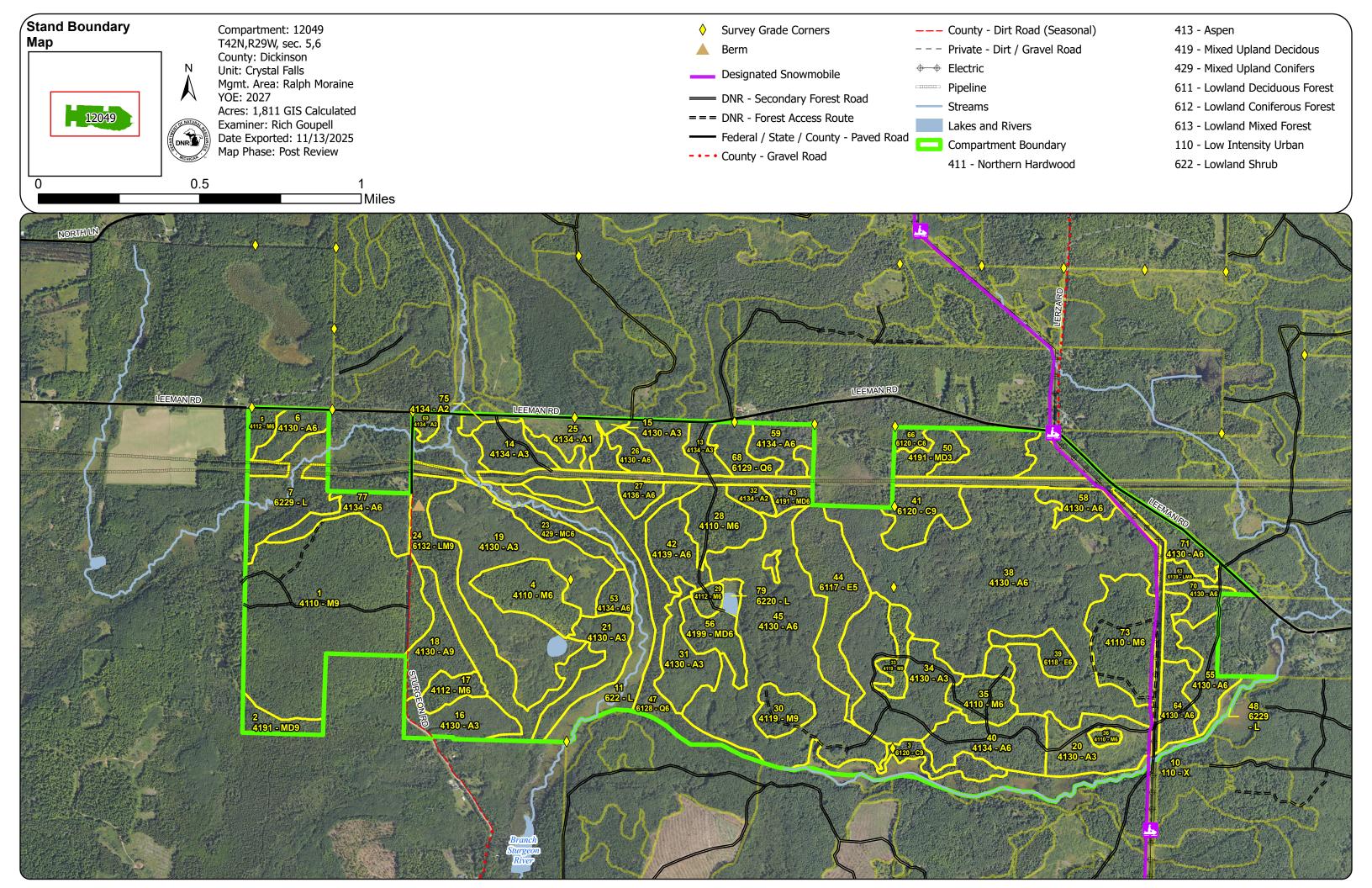
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas

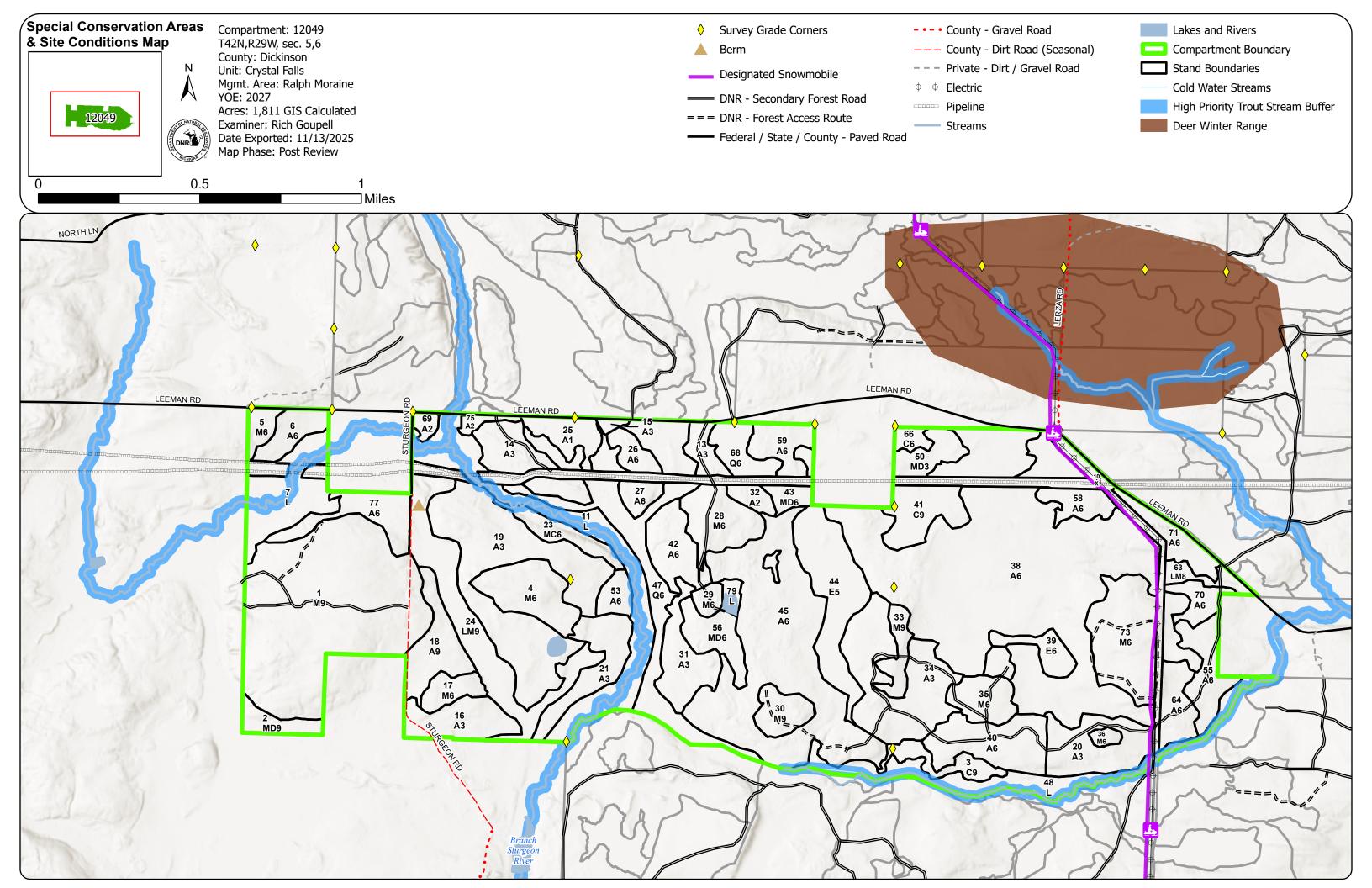
Site Condition Details

The following information is displayed, where pertinent, on the attached compartment maps:

Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system







Report 1 – Total Acres b

**Crystal Falls Mgt. Unit** 

Rich Goupell: Examiner

Compartment 49

Year of Entry 2027



Age Class

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	<b>₩</b>			<u>/                                     </u>				<u> </u>					/ 1/10		,	, \$				
Aspen	0	53	192	90	55	438	145	0	0	0	0	0	0	0	0	0	0	0	973	
Cedar	0	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	40	
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	89	0	0	0	0	0	0	0	89	
Lowland Deciduous	0	0	0	0	0	0	0	46	0	0	11	0	0	0	0	0	0	0	57	
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	56	8	0	0	0	0	0	0	64	
Lowland Shrub	141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	141	
Mixed Upland Deciduous	0	0	13	0	0	0	17	0	0	0	16	0	0	0	0	0	0	0	46	
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	331	0	0	0	0	0	0	0	331	
Upland Conifers	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	13	
Urban	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56	
Total	198	53	205	90	55	438	162	46	0	13	503	48	0	0	0	0	0	0	1810	



## **Report 2 – Treatment Summary**

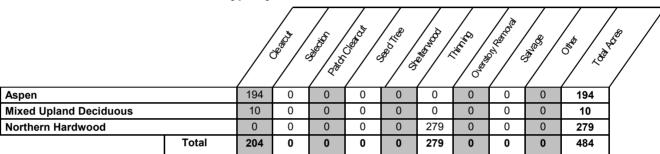
Crystal Falls Mgt. Unit Year of Entry: 2027

#### **Acres of Harvest**

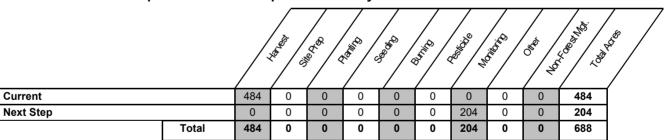
Compartment 49
Total Compartment Acres: 1,811

Commercial Harvest - 657 Harvests with Site Condition - 32 Next Step Harvest - 0 Habitat Cut - 0

## **Cover Type by Harvest Method**



## **Proposed and Next Step Treatments by Method**



Crystal Falls Mgt. Unit

Report 3 -- Treatments

Compartment: 12049 Year of Entry: 2027

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**Treatment** Acres Name

Stand CoverType

Size Density

Stand BA Age Range

**Treatment** Type

**Treatment** Method

Cover Type Objective

Age Structure Habitat Cut

No

No

## **Approved Treatments:**

12049001-Cut 159.7 4110 - Sugar Maple 96 111-Harvest Thinning 411 - Northern **Planting** Association 140 Hardwood Record

Prescription Thin to 70-90 BA following Complete Marker. Green tree some Aspen to leave. Leave all species represented.

Specs:

Next Step Treatments:

<u>Acceptable</u>

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

411 - Northern Planting 12049004-Cut 28.4 4110 - Sugar Maple 111-96 Harvest **Thinning** No Association 140 Hardwood Record

Prescription Thin stand to 70-90 BA following the Complete Marker. Leave all species represented.

Specs:

Next Step

Treatments:

**Acceptable** 

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

12049018-Cut

**Planting** Record

Harvest

Clearcut

413 - Aspen

Prescription Final Harvest to a 3" spec. Leave Pine, Cedar, Hemlock and Oak if present. Also mark some representation of aspen/maple/overstory trees scattered throughout stand for diversity (can mark with green during cruise) Specs:

9

52

4130 - Aspen

Next Step Monitoring, Natural Regen (Re-Inventory)

24.6

**Treatments:** 

Acceptable Aspen, Maple, Birch, Pine, Spruce Fir

Regen:

**Other** Leave retention on the East side of the stand focusing on the conifers.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, Maple, Birch, Spruce/Fir

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Specs:

Next Step Treatments:

<u>Acceptable</u> Regen:

Other Add trail spec.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Crystal Falls Mgt. Unit Report 3 -- Treatments Compartment: 12049 s t Year of Entry: 2027 а Cover Type Objective Age Structure **Treatment** Acres Stand Size Stand BA Treatment Treatment Habitat n CoverType Density Age Method Name Range Type Cut d

Total Treatment 483.5 Acreage Proposed:

# Report 4 - Site Conditions

Crystal Falls Mgt. Unit Rich Goupell: Examiner

9%

Compartment: 49
Year of Entry: 2027



**Availability for Management** Total Acres Acres Avail Acres **Dominant Site Conditions** Available With Condition Not Available 3G 3J 5E Acres 2G 926 915 11 Aspen 5 5 1 0 40 40 40 Cedar 0 0 89 89 0 0 **Lowland Conifers** 16 73 57 46 11 **Lowland Deciduous** 11 0 64 64 0 **Lowland Mixed Forest** 0 141 141 0 Lowland Shrub 0 46 46 0 **Mixed Upland Deciduous** 0 0 331 331 Northern Hardwood 0 13 13 0 **Upland Conifers** 0 56 57 0 0 Urban 1,763 1,613 150 61 78 **Total Forested Acres** 11

Relative Percent

<sup>\*</sup>Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	73	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

91%

# Report 4 – Site Conditions

Crystal Falls Mgt. Unit
Rich Goupell: Examiner



3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	3G: Other influence zones - See comments	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: This area which had has been cut alread	d a drainage allthrough it was a ly.	all cut ex	cept this little piece so cou	ld be called a retention are	ea. The drainage goes thro	ough stand 38 so that
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	3G: Other influence zones - See comments	Unspecified	Unspecified	Unspecified
	<b>Comments:</b> This is a drainage ri	ght along the road. It has a lo	t of ceda	ar in it and is quite wet			

# Report 4 – Site Conditions

Crystal Falls Mgt. Unit
Rich Goupell: Examiner

Compartment: 49
Year of Entry: 2027



9	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Retention from Star	nd 69 cut under Mixed SBW Tim	nber S	ale (12-028-17-01). Cut comp	leted 06/24/19.		
11	Unavailable	5E: Long-Term Retention	0	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: Retention from Star	nd 75 cut under Mixed SBW Tim	nber S	ale (12-028-17-01). Cut comp	leted 06/24/19.		
12	Unavailable	5E: Long-Term Retention	1	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: Retention from Star	nd 25 cut under Mixed SBW Tim	nber S	ale (12-028-17-01). Cut comp	leted 06/24/19.		

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Mgt. Unit Compartment: #Type!
Year of Entry:

## Report 5 - PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				



Stand	d Level 4 Co	over Type	s	ize De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments	MICHIGAN
1	4110 - Sugar M	laple Asso	ciation Sa	awtimb	er Well	159.7	96	111-140	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size		
	Sugar Maple	77	Log/Pole	12	96	Wh	ite Ash	Low	Variable	Variable		
	Yellow Birch	5	Log/Pole	12	96	Leath	nerwood	Trace	5 - 10 feet	5 - 10 feet		
	Basswood	10	Log/Pole/XLog	14	96						-	
	White Ash	2	Log/Pole	12	96							
	Paper Birch	1	Log/Pole	12	96							
	Quaking Aspen	5	Log	16								
2	4191 - Mixed Upla Co	nd Decidu nifer	ous with Sa	awtimb	er Well	9.9	96	81-110	N/A			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size		
	Sugar Maple	10	Log/Pole	10		Bals	sam Fir	Low	< 5 feet	< 5 feet		
	Red Maple	25	Log	11							-	
	Paper Birch	15	Log/Pole	10								
	Quaking Aspen	30	Log	16	96							
	Balsam Fir	10	Pole	6								
No	orthern White Cedar	10	Log/Pole	10								
3	6120 - Lov			awtimb	er Well	12.3	100	81-110	N/A		This would be the buffer along the creek area.	. Some wide, some not
	Canopy Species		Size Class		l Age		opy Species	Density	Avg. Height	Size	demonation of the barron at all.	
	Paper Birch		1 /D - 1 -	10								
	•	5	Log/Pole	10			ck Ash	Low	5 - 10 feet	5 - 10 feet		
	Quaking Aspen	10	Log/Pole	10		Bals	sam Fir	Low	< 5 feet	< 5 feet		
	Quaking Aspen Balsam Poplar	10 5	Log/Pole Pole/Log	10		Bals						
	Quaking Aspen Balsam Poplar Balsam Fir	10 5 10	Log/Pole Pole/Log Log/Pole	10 8 10		Bals	sam Fir	Low	< 5 feet	< 5 feet		
	Quaking Aspen Balsam Poplar Balsam Fir Black Spruce	10 5 10 5	Log/Pole Pole/Log Log/Pole Pole/Log	10 8 10 8		Bals	sam Fir	Low	< 5 feet	< 5 feet		
No	Quaking Aspen Balsam Poplar Balsam Fir Black Spruce orthern White Cedar	10 5 10 5 5 50	Log/Pole Pole/Log Log/Pole Pole/Log Log/Pole	10 8 10 8 10	100	Bals	sam Fir	Low	< 5 feet	< 5 feet		
No	Quaking Aspen Balsam Poplar Balsam Fir Black Spruce orthern White Cedar Black Ash	10 5 10 5 5 50 13	Log/Pole Pole/Log Log/Pole Pole/Log Log/Pole Pole/Log	10 8 10 8 10 8	100	Bals	sam Fir	Low	< 5 feet	< 5 feet		
No	Quaking Aspen Balsam Poplar Balsam Fir Black Spruce orthern White Cedar	10 5 10 5 5 50	Log/Pole Pole/Log Log/Pole Pole/Log Log/Pole	10 8 10 8 10	100	Bals	sam Fir	Low	< 5 feet	< 5 feet		
No.	Quaking Aspen Balsam Poplar Balsam Fir Black Spruce orthern White Cedar Black Ash Black Cherry 4110 - Sugar M	10 5 10 5 50 13 2	Log/Pole Pole/Log Log/Pole Pole/Log Log/Pole Pole Pole Pole/Sapling	10 8 10 8 10 8 6	er Well	Bals	sam Fir Spruce	Low	< 5 feet	< 5 feet < 5 feet		
	Quaking Aspen Balsam Poplar Balsam Fir Black Spruce orthern White Cedar Black Ash Black Cherry  4110 - Sugar M Canopy Species	10 5 10 5 50 13 2 laple Assoc	Log/Pole Pole/Log Log/Pole Pole/Log Log/Pole Pole Pole Pole Sapling Ciation Pole Size Class	10 8 10 8 10 8 6 DBH	er Well	Bals Black	sam Fir Spruce	Low	< 5 feet < 5 feet	< 5 feet < 5 feet		
	Quaking Aspen Balsam Poplar Balsam Fir Black Spruce orthern White Cedar Black Ash Black Cherry  4110 - Sugar M  Canopy Species Sugar Maple	10 5 10 5 50 13 2 laple Assor	Log/Pole Pole/Log Log/Pole Pole/Log Log/Pole Pole Pole Size Class Log/Pole	10 8 10 8 10 8 6 Dletimb	er Well Age 96	Bals Black	sam Fir Spruce	Low	< 5 feet < 5 feet	< 5 feet < 5 feet		
	Quaking Aspen Balsam Poplar Balsam Fir Black Spruce orthern White Cedar Black Ash Black Cherry  4110 - Sugar M  Canopy Species Sugar Maple Red Maple	10 5 10 5 50 13 2 laple Assor 80 10	Log/Pole Pole/Log Log/Pole Pole/Log Log/Pole Pole Pole Sapling  Size Class Log/Pole Log/Pole	10 8 10 8 10 8 6 Dletimb	er Well  Age 96 96	Bals Black	sam Fir Spruce	Low	< 5 feet < 5 feet	< 5 feet < 5 feet		
	Quaking Aspen Balsam Poplar Balsam Fir Black Spruce orthern White Cedar Black Ash Black Cherry  4110 - Sugar M  Canopy Species Sugar Maple	10 5 10 5 50 13 2 laple Assor	Log/Pole Pole/Log Log/Pole Pole/Log Log/Pole Pole Pole Size Class Log/Pole	10 8 10 8 10 8 6 Dletimb	er Well Age 96	Bals Black	sam Fir Spruce	Low	< 5 feet < 5 feet	< 5 feet < 5 feet		
	Quaking Aspen Balsam Poplar Balsam Fir Black Spruce orthern White Cedar Black Ash Black Cherry  4110 - Sugar M  Canopy Species Sugar Maple Red Maple	10 5 10 5 50 13 2 laple Assor 80 10 10	Log/Pole Pole/Log Log/Pole Pole/Log Log/Pole Pole/Sapling Ciation Pole Size Class Log/Pole Log/Pole Log/Pole	10 8 10 8 10 8 6 DBH 10 10	er Well  1 Age 96 96 96	Bals Black	sam Fir s Spruce	Low	< 5 feet < 5 feet	< 5 feet < 5 feet		
4	Quaking Aspen Balsam Poplar Balsam Fir Black Spruce orthern White Cedar Black Ash Black Cherry  4110 - Sugar M  Canopy Species Sugar Maple Red Maple Basswood  4112 - Maple, Beeck	10 5 10 5 50 13 2 laple Assoc % Cover 80 10 10	Log/Pole Pole/Log Log/Pole Pole/Log Log/Pole Pole/Sapling Ciation Pole Size Class Log/Pole Log/Pole Log/Pole	10 8 10 8 10 8 6 Dletimb	er Well Age 96 96 96 96 I Age	28.4 7.0	sam Fir s Spruce	Low Low	< 5 feet < 5 feet	< 5 feet < 5 feet		
4	Quaking Aspen Balsam Poplar Balsam Fir Black Spruce orthern White Cedar Black Ash Black Cherry  4110 - Sugar M  Canopy Species Sugar Maple Red Maple Basswood  4112 - Maple, Beecl Canopy Species Sugar Maple	10 5 10 5 50 13 2 laple Assoc % Cover 80 10 10	Log/Pole Pole/Log Log/Pole Pole/Log Log/Pole Pole/Sapling  ciation Size Class Log/Pole Log/Pole Log/Pole Log/Pole	10 8 10 8 10 8 6 Dletimb	er Well Age 96 96 96	Bals Black 28.4  7.0  Sub-Can	sam Fir s Spruce	Low Low	< 5 feet < 5 feet N/A	< 5 feet < 5 feet  Size 5 - 10 feet		
4	Quaking Aspen Balsam Poplar Balsam Fir Black Spruce orthern White Cedar Black Ash Black Cherry  4110 - Sugar M  Canopy Species Sugar Maple Red Maple Basswood  4112 - Maple, Beeck	10 5 10 5 10 13 2 12 12 14 15 16 17 17 17 17 17 17 17 17 17 17 17 17 17	Log/Pole Pole/Log Log/Pole Pole/Log Log/Pole Pole/Sapling Ciation Size Class Log/Pole Log/Pole Log/Pole Size Class	10 8 10 8 10 8 6 DBH 10 10 10	er Well Age 96 96 96 96 I Age	28.4 7.0 Sub-Can	sam Fir s Spruce  96  95  opp Species	111-140 81-110 Density	< 5 feet < 5 feet  N/A  N/A  Avg. Height	< 5 feet < 5 feet		



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	ite	General Comments
6	4130	- Aspen	F	Poletimb	er Well	13.0	38		N/A	Λ.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	3	Pole	6		A	Alder	Low	5 - 10 feet	5 - 10 feet	
	Red Maple	12	Pole	6		Bal	sam Fir	Medium	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	75	Pole	6	38						
	Balsam Poplar	5	Pole	6							
	Balsam Fir	5	Pole	6							
7	6229 - Mixed	Lowland S	hrub	Nor	ie	36.0			No		This is a tributary of the North Branch of the Sturgeon River with the low surrounding and a buffer of swamp tree species on both sides
10	110 - Low II	ntensity Urb	oan	Nor	ie	56.5			No		Gas Line runs East west and the powerline runs North South.
11	622 - Lov	wland Shrut	b	Nor	ie	62.9	0 (	Jnspecified	No		This is the North Branch of the Sturgeon River
						Sub-Can	nopy Species	Density	Avg. Height	Size	
						Tag	g Alder	Medium	5 - 10 feet	5 - 10 feet	
13	4134 - Asp			Sapling		9.0	28	51-80	N/A		1
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size	
	Quaking Aspen	70	Sapling	3	28	Та	g Alder	Medium	5 - 10 feet	5 - 10 feet	
	Balsam Poplar	5	Sapling	2							
	Balsam Fir	10	Sapling/Pole								
	Black Spruce	10 5	Sapling	2							
	Black Ash	5	Sapling	4							
14	4134 - Asp	en, Spruce/	/Fir	Sapling	Well	24.9	28	Immature	N/A	١	Same as stand 11 across the line
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	60	Sapling	3	28	Bal	sam Fir	Low	< 5 feet	< 5 feet	
	Balsam Fir	40	Sapling	4							
15		- Aspen		Sapling		2.0		Immature	N/A	\	
	Canopy Species		Size Class		Age		nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	90	Sapling	1	17		tail spp.	Low	Not Applicable		
	Balsam Fir	10	Pole/Sap/Log	g 6		Tag	g Alder	Low	5 - 10 feet	5 - 10 feet	
16		- Aspen		Sapling		23.5		Immature	N/A		1
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size	
	Quaking Aspen	70	Sapling	3	25		sam Fir	Low	< 5 feet	< 5 feet	
	Bigtooth Aspen	20	Sapling	2	25	White	e Spruce	Low	< 5 feet	< 5 feet	
	Balsam Fir	5	Sapling	2	25						
	White Spruce	5	Sapling	2	25						



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Si	ite	General Comments
17	4112 - Maple, Beed	ch, Cherry A	Association	Poletimb	er Well	10.1	96	51-80	N/A		M6 stand was cut under the Mixed SBW Timber Sale (12-028-17-01).
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Cut completed 06/24/19.
	Sugar Maple	65	Log/Pole	10	96	Ва	ılsam Fir	Medium	5 - 10 feet	5 - 10 feet	
	Red Maple	20	Log/Pole	10	96						_
	Yellow Birch	5	Log/Pole	10	96						
	Basswood	10	Log/Pole	10	96						
18	4130	- Aspen		Sawtimb	er Well	24.6	52		N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Pole	6		Ва	ılsam Fir	Low	10 - 20 feet	10 - 20 feet	
	Quaking Aspen	75	Log/Pole	10	52						_
	Bigtooth Aspen	5	Log/Pole	10	52						
	Balsam Fir	10	Pole/Saplin	g 5							
19	4130	- Aspen		Saplino	y Well	95.9	14	Immature	N/A		There is a part of this west of the hardwood that seemed to be
	Canopy Species	% Cover	Size Class	DBH	l Age						wetland. There are clones of aspen but also, tag alder and cattails where things didn't grow. Overall, it has regenerated.
	Quaking Aspen	75	Sapling	2	14						3 3 , , 3
	Bigtooth Aspen	10	Sapling	2	14						
	Balsam Fir	5	Sapling	2	21						
	White Spruce	5	Sapling	4	21						
	White Pine	5	Log/Pole	10	88						
20	4130	- Aspen		Saplino	y Well	30.8	7		N/A		Stand updated after harvest. harvest complete 12/11/2018. Contract
	Canopy Species	% Cover	Size Class	DBH	l Age						number 12-002-17.
	Quaking Aspen	100	Sapling	1	7						
21	4130	- Aspen		Saplino	y Well	25.6	25	Immature	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Paper Birch	10	Sapling	3	25	Ва	ılsam Fir	Low	< 5 feet	< 5 feet	
	Quaking Aspen	60	Sapling	4	25						_
	Bigtooth Aspen	15	Sapling	4	25						
	Balsam Fir	10	Sapling	4	25						
	White Spruce	5	Sapling	4	25						
	wille Spiuce	5	Saping	4	23						



Stanc	d Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
23	429 - Mixed L	Jpland Con	fers	Poletimb	er Well	12.9	88	81-110	N/A		This is the buffer for the North branch of the Sturgeon River
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	
	Paper Birch	5	Log/Pole	10		Bal	sam Fir	Low	< 5 feet	< 5 feet	
	Quaking Aspen	30	Log	12	88						
	Balsam Fir	15	Log/Pole	10							
	Black Spruce	30	Log/Pole	10	88						
No	orthern White Cedar	10	Log/Pole	10							
	White Pine	5	Log/Pole	10							
	Black Cherry	5	Pole/Log	8							
24	6132 - Mixed Lowla	and Forest v	vith Cedar	Sawtimb	er Well	56.4	96 U	Inspecified	N/A		Signs of EAB in the stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	
	Red Maple	10	Pole/Log	8		Bla	ck Ash	Low	5 - 10 feet	5 - 10 feet	
	Balsam Fir	10	Pole/Log	8	96	Bal	sam Fir	Low	< 5 feet	< 5 feet	
	Black Spruce	10	Pole/Log	8	96						_
No	orthern White Cedar	25	Log/Pole	10	96						
	Black Ash	45	Pole/Log	8	96						
25	4134 - Aspe	en, Spruce/	Fir	Sapling	Poor	14.4	6		N/A		Q6 stand was cut under the Mixed SBW Timber Sale (12-028-17-01).
	Canopy Species	% Cover	Size Class	DBH	Age						Cut completed 06/24/19. Some cedar residual.
	Quaking Aspen	60	Sapling	1	6						
	Balsam Fir	20	Sapling	1							
No	orthern White Cedar	10	Pole	8							
	Tamarack	10	Pole	6							
26	4130	- Aspen		Poletimb	er Well	8.6	55		N/A		This stand should wait to be cut It has a creek running along the north
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	edge, somewhat in the clearcut to the north.
	Quaking Aspen	100		8	55	Whit	e Spruce	Low	5 - 10 feet	5 - 10 feet	
						Red	d Maple	Medium	< 5 feet	< 5 feet	
						Bal	sam Fir	Medium	Variable	Variable	
27	4136 - Aspen	, Mixed Co	nifer	Poletimb	er Well	6.9	27	Immature	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age						
	Quaking Aspen	80	Pole/Saplin	ig 5	27						
	Balsam Fir	18	Sapling/Pol		27						
	White Pine	2	Log/Pole	10							
28	4110 - Sugar M	laple Assoc	ciation	Poletimb	er Well	25.0	96	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	
	Sugar Maple	70	Log/Pole	10	96	Bal	sam Fir	Low	5 - 10 feet	5 - 10 feet	
	Yellow Birch	5	Log/Pole	10	96						<del>-</del>



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
29	4112 - Maple, Beec	h, Cherry A	Association	Poletimb	er Well	4.9	96	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	45	Pole/Log	8	96	Ва	lsam Fir	Low	5 - 10 feet	5 - 10 feet	
	Red Maple	35	Pole/Log	8	96	Whit	te Spruce	Low	5 - 10 feet	5 - 10 feet	
	Paper Birch	10	Pole/Log	8	96						
	Balsam Fir	10	Pole/Saplin	ng 6	96						
30	4119 - Mixed No	orthern Hard	dwoods	Sawtimb	er Well	13.3	96	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	50	Log/Pole	10	96	Ва	lsam Fir	Low	< 5 feet	< 5 feet	
	Red Maple	22	Log/Pole	10	96	Iro	nwood	Low	5 - 10 feet	5 - 10 feet	
	Basswood	25	Log/Pole	10	96						-
	Ironwood	3	Pole/Log	8	96						
31	4130	- Aspen		Sapling	Well	24.2	16	Immature	N/A	1	
	Canopy Species	% Cover	Size Class	DBH	Age						
	Quaking Aspen	90	Sapling	2	16						
	Balsam Fir	10	Sapling	2	16						
32	4134 - Aspe	en, Spruce/	/Fir	Sapling N	/ledium	5.9	16	Immature	N/A	1	Some of this is low, some alder is all that grew. Some is higher and is
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	regenerated.
	Quaking Aspen	55	Sapling	2	16	Та	ıg Alder	Medium	5 - 10 feet	5 - 10 feet	
	Balsam Poplar	5	Sapling	1	16	Wil	low spp.	Low	5 - 10 feet	5 - 10 feet	
	Balsam Fir	40	Sapling	2							
33	4119 - Mixed No	orthern Hard	dwoods	Sawtimb	er Well	10.9	96	51-80	N/A		Stand basal area update post harvest. (2018) Harvest Complete
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	12/11/2018. Contract number 12-002-17.
	Sugar Maple	67	Log/Pole	10	96	Iro	onwood	Low	5 - 10 feet	5 - 10 feet	
	Paper Birch	30	Log/Pole	10	96						-
	Balsam Fir	2	Pole/Log	8	96						
	Ironwood	1	Pole	8	96						
34	4130	- Aspen		Sapling	Well	63.8	16	Immature	N/A	1	
	Canopy Species	% Cover	Size Class	DBH	Age						
	Quaking Aspen	85	Sapling	2	16						
	Bigtooth Aspen	10	Sapling	2	16						
	Balsam Fir	5	Sapling	2	16						
35	4110 - Sugar M	laple Asso	ciation	Poletimb	er Well	16.4	96	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	85	Log/Pole	10	96	Iro	onwood	Low	5 - 10 feet	5 - 10 feet	
	Red Maple	15	Pole/Log	8	96	-					

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Stand	d Level 4 Co	over Type		Size De	nsity	Acres S	Stand Age B	A Range	Managed S	ite	General Comments
36	4110 - Sugar M	laple Asso	ciation I	Poletimb	er Wel	2.8	95	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Cand	py Species	Density	Avg. Height	Size	
	Sugar Maple	50	Log	12	95	Leath	erwood	Low	5 - 10 feet	5 - 10 feet	
	Red Maple	10	Log	12							-
	Yellow Birch	5	Log/Pole	10							
	Basswood	35	Log/Pole	12							
38	4130	- Aspen	l	Poletimb	er Wel	273.0	40	81-110	N/A	1	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Cand	py Species	Density	Avg. Height	Size	
	Sugar Maple	2	Sapling/Pole	9 4	40	Leath	erwood	Low	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	71	Pole/Sapling	g 6	40	Prickly Or W	ild Gooseberr	y Low	5 - 10 feet	5 - 10 feet	
	Bigtooth Aspen	20	Pole/Sapling	g 6	40						
	Balsam Fir	5	Pole/Log	8	40						
	Black Cherry	2	Sapling/Pole	e 4	40						
39	6118 - Lowland De	eciduous w	vith Cedar	Poletimb	er Wel	10.6	91	51-80	N/A	1	Some evidence of EAB in stand.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Cand	py Species	Density	Avg. Height	Size	
	Red Maple	10	Pole/Sapling	g 6		Bals	am Fir	Low	5 - 10 feet	5 - 10 feet	
	Balsam Poplar	15	Log/Pole	10	91						
	Balsam Fir	10	Pole/Sap/Log	g 8							
No	orthern White Cedar	25	Log/Pole	10							
	Black Ash	40	Pole/Sapling	g 6	91						
40	4134 - Aspe	en, Spruce	/Fir	Poletimb	er Wel	33.9	57	81-110	N/A	1	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Cand	py Species	Density	Avg. Height	Size	
	Quaking Aspen	78	Pole	8	57	Bals	am Fir	Medium	Variable	Variable	
	Balsam Poplar	2	Log/Pole	10	57	White	Spruce	Low	5 - 10 feet	5 - 10 feet	
	Balsam Fir	15	Pole	6	57						
	White Spruce	5	Pole	6	57						
41	6120 - Lov	vland Ceda	ar	Sawtimb	er Well	22.6	103	81-110	N/A		This has a lot of cedar and some has blown down and regenerated
	Canopy Species	% Cover	Size Class		I Age	Sub-Cand	py Species	Density	Avg. Height	Size	
	Balsam Poplar	5	Log/Pole	10		Blac	k Ash	Low	5 - 10 feet	5 - 10 feet	
	Balsam Fir	10	Log/Pole	10		Balsar	n Poplar	Low	5 - 10 feet	5 - 10 feet	
	Black Spruce	15	Log/Pole	10							
No	orthern White Cedar	50	Log/Pole	12	103						
	Black Ash	20	Pole	6	1 I						



Stand	Level 4 C	over Type	S	Size De	nsity	Acres Stand Age B	A Range	Managed \$	Site	General Comments	M/CHIGAN
42	4139 - Aspen,	Mixed Deci	duous P	oletimb	er Well	22.1 53		N//	4	This should probably be cut now because of budworm.	
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Sugar Maple	10	Pole/Sapling	6	53	Balsam Fir	Low	5 - 10 feet	5 - 10 feet		
	Red Maple	20	Pole/Log	9	53					-	
	Paper Birch	15	Pole/Log	8							
	Quaking Aspen	45	Log/Pole	12	53						
	Balsam Fir	10	Pole	6	53						
43	4191 - Mixed Upla Co	and Decidu onifer	ous with P	oletimb	er Well	6.1 96	81-110	N//	Ą		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Red Maple	30	XLog/Log	18	96	Balsam Fir	Medium	Variable	Variable		
	Paper Birch	5	Log/Pole	10			1	1	1		
	Quaking Aspen	15	Log/Pole	12							
	Balsam Poplar	5	Log/Pole	12							
	Balsam Fir	5	Pole	6	96						
	Black Spruce	5	Pole	6							
No	rthern White Cedar	10	Log	14	96						
	Black Ash	20	Pole	8							
	Black Cherry	5	Pole	7							
44	6117 - Lowland Con	Deciduous, iferous	Mixed Pole		r Mediur	m 46.0 60		N/A	A	Wet area. EAB present in the stand	
	Canopy Species		Size Class	DBH	I Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Paper Birch	30	Pole	7	60	Cattail spp.	Low	Not Applicable	Not Applicable		
	Quaking Aspen	10	Log/Pole	10		Balsam Fir	Low	5 - 10 feet	5 - 10 feet		
	Balsam Poplar	5	Pole/Log	8		Black Ash	Medium	Variable	Variable		
	Balsam Fir	10	Pole/Sapling	5		Red Maple	Medium	Variable	Variable		
	Black Spruce	7	Pole	6	100	Tag Alder	Medium	5 - 10 feet	5 - 10 feet		
No	rthern White Cedar	15	Log/Pole	10	100						
	Tamarack	8	Pole	6							
	Black Ash	15	Pole/Sapling	5							
45		- Aspen			er Well	135.5 41		N//		3 acre grassy opening in the Southeast part of the stand.	
	Canopy Species		Size Class		I Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Sugar Maple	2	Pole	5	41	White Pine	Low	5 - 10 feet	5 - 10 feet		
	Red Maple	2	Pole	6	41	Red Pine	Low	5 - 10 feet	5 - 10 feet		
	Paper Birch	2	Pole	5	41	Balsam Fir	Medium	5 - 10 feet	5 - 10 feet		
	Quaking Aspen	75	Pole/Log	8	41	Tamarack	Medium	5 - 10 feet	5 - 10 feet		
	Bigtooth Aspen	10	Pole	8	41	Tag Alder	Medium	5 - 10 feet	5 - 10 feet		
	Balsam Fir	5	Pole	6	41						
	White Spruce	4	Pole	6	41						



Stanc	d Level 4 Co	Cover Type		Size Density		Acres	Stand Age	BA Range	Managed Si	ite	General Comments
47	6128 - Lowland Coniferous, Mixed Deciduous			Poletimber Well		72.5	97	81-110	N/A		Some of this is drainage and buffer with a creek running to the Sturgeon.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	s Density	Avg. Height	Size	
	Yellow Birch	2	Log/Pole	12		Та	g Alder	Low	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	5	Log/Pole	12							
	Balsam Poplar	5	Log/Pole	12							
	Balsam Fir	20	Log/Pole	10							
No	rthern White Cedar	45	Log/Pole	12	97						
	Hemlock	2	Log/Pole	12							
	Black Ash	21	Pole	7							
48	6229 - Mixed	Lowland S	hrub	Noi	ne	37.1	ı	Unspecified	No		There are some cherry, spruce, aspen and red maple in spots but the most is low There are creeks here also.
50	4191 - Mixed Upla Co	and Decidu	ous with	Sapling	y Well	13.0	16	Immature	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age						
	Red Maple	19	Sapling	2	16						
	Quaking Aspen	19	Sapling	2	16						
	Balsam Poplar	15	Sapling	2	16						
	Balsam Fir	30	Sapling	2	16						
	Black Spruce	10	Sapling	1	16						
	Black Cherry	7	Sapling	2	16						
53	4134 - Aspe	en, Spruce/	Fir	Poletimb	er Well	7.9	45	81-110	N/A		
	Canopy Species		Size Class		l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Red Maple	10	Pole	6		Ва	lsam Fir	Medium	< 5 feet	< 5 feet	
	Paper Birch	10	Pole/Log	8							
	Quaking Aspen	60	Pole/Log	8	45						
	Balsam Fir	20	Pole/Log	8							
55	4130	- Aspen		Poletimb	er Well	20.4	37		N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	s Density	Avg. Height	Size	
	Quaking Aspen	80	Pole	6	37	Ва	lsam Fir	Low	< 5 feet	< 5 feet	
	Bigtooth Aspen	10	Pole	6	37						
	Balsam Fir	10	Pole/Saplin	ig 5							

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Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
56	4199 - Other Mixe	d Upland D	Deciduous I	Poletimb	er Well	17.1	50	141-170	N/A		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Red Maple	25	Pole/Log	8		Bal	sam Fir	Low	< 5 feet	< 5 feet	
	Quaking Aspen	35	Pole	7	50	Black	Spruce	Low	< 5 feet	< 5 feet	
	Balsam Fir	10	Pole	8		Tag	g Alder	Low	5 - 10 feet	5 - 10 feet	
No	orthern White Cedar	5	Pole/Log	8							-
	Black Ash	25	Pole	6							
58	4130	- Aspen	I	Poletimb	er Well	22.0	48	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBF	I Age	Sub-Car	opy Species	Density	Avg. Height	Size	
	Quaking Aspen	70	Pole	8	48	White	e Spruce	Low	< 5 feet	< 5 feet	
	Balsam Poplar	15	Pole/Sapling	9 6	48	Bla	ck Ash	High	Variable	Variable	
	Balsam Fir	7	Pole/Sapling	j 6	48	Bal	sam Fir	Low	< 5 feet	< 5 feet	
	White Spruce	2	Pole/Sapling	9 6	48						
	Black Ash	6	Pole	5							
59	4134 - Asp	en, Spruce	/Fir I	Poletimb	er Well	15.4	51	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBF	I Age	Sub-Car	opy Species	Density	Avg. Height	Size	
	Red Maple	30	Pole/Log	8		Bal	sam Fir	Medium	< 5 feet	< 5 feet	
	Quaking Aspen	40	Pole	8	51					I	
	Balsam Fir	5	Pole	8							
	White Spruce	5	Log/Pole	10							
	Black Spruce	15	Pole	6							
	Black Ash	5	Pole	5							
63	6139 - Mixed	Lowland F	orest Sa	awtimbe	Mediu	m 7.9	100 U	nspecified	N/A		This is a drainage and has flowing water so was left uncut. A lot of
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	opy Species	Density	Avg. Height	Size	the drainage was cut on the other side of the pipeline and the pipel is wet in this area.
	Red Maple	10	Pole/Log	8		Tag	g Alder	Medium	5 - 10 feet	5 - 10 feet	10 110 111 1110 110 110
	Quaking Aspen	10	Log/Pole	10	,						-
	Balsam Poplar	10	Log/Pole	10	100						
	Balsam Fir	25	Log/Pole	10	100						
	Black Spruce	25	Pole/Log	8							
	Black Ash	20	Pole/Sapling	9 6							
64	4130	- Aspen	ı	Poletimb	er Well	15.9	57 U	nspecified	N/A		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	opy Species	Density	Avg. Height	Size	
	Paper Birch	5	Pole	9		White	e Spruce	Low	< 5 feet	< 5 feet	
	Quaking Aspen	70	Pole	9	57	Bal	sam Fir	Low	< 5 feet	< 5 feet	
	Bigtooth Aspen	10	Pole	9	<b>"</b>						_
	Balsam Fir	10	Pole	9							

5

Pole

9

White Spruce



Stand	I Level 4 C	over Type	s	ize De	ensity	Acres	Stand Age	BA Range	Managed Si	te	General Comments
66	6120 - Lo	wland Ceda	ır Po	Poletimber Well		4.7	100	111-140	N/A		
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Red Maple	2	Pole/Sapling	6			Alder	Low	5 - 10 feet	5 - 10 feet	
	Balsam Poplar	8	Log/Pole	10				,			_
	Balsam Fir	8	Log/Pole	10							
No	rthern White Cedar	67	Log/Pole	10	100						
	Black Ash	15	Pole/Sapling	5							
68	6129 - Mixed Conif	erous Lowla	and Forest Po	oletim	oer Well	16.3	97	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Balsam Poplar	5	Log/Pole	10		Ta	ag Alder	Low	5 - 10 feet	5 - 10 feet	
	Balsam Fir	5	Pole	6				,	1		_
	Black Spruce	25	Pole/Log	8							
No	rthern White Cedar	45	Log/Pole	10	97						
	Tamarack	15	Pole	8							
	Black Ash	5	Pole/Sapling	6							
69	4134 - Asp	en, Spruce/	Fir Sa	pling	Medium	3.7	6		N/A		T8 stand was cut under the Mixed SBW Timber Sale (12-028-17-01).
	Canopy Species	% Cover	Size Class	DBH	H Age						Cut completed 06/24/19.Sparse white pine residual.
	Quaking Aspen	80	Sapling	1	6						
	Balsam Fir	20	Sapling/Pole	4							
70	4130	- Aspen	Po	oletim	oer Well	9.9	53	Unspecified	N/A		
	Canopy Species	% Cover	Size Class	DBH	H Age						
	Quaking Aspen	80	Pole	5	53						
	Bigtooth Aspen	10	Pole	5							
	Balsam Fir	10	Pole/Sapling	5							
71	4130	- Aspen	Po	oletimb	er Well	14.8	53	Unspecified	N/A		
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
	Sugar Maple	2	Pole/Sapling	6		Ва	alsam Fir	Low	< 5 feet	< 5 feet	
	Red Maple	3	Pole/Sapling	6				1			_
	Quaking Aspen	70	Pole/Sapling	6	53						
	Bigtooth Aspen	10	Pole/Sapling	6	53						
	Balsam Fir	10	Pole/Sapling	7							
	White Spruce	5	Pole/Sapling	6							
73	4110 - Sugar N	Maple Assoc	ciation Po	oletim	per Well	52.7	96	141-170	N/A		
	Canopy Species	% Cover	Size Class	DBH	H Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	7
	Sugar Maple	85	Pole/Log	9	96	Ir	onwood	Low	Variable	Variable	
	Basswood	15		12				·			<del>-</del>

Crystal Falls Mgt. Unit

# Report 7 - Stands

DEPARTME	DNR	1
6	MICHIGAN	

Stand	Level 4 C	over Type	;	Size De	nsity	Acres	Stand Age	BA Range	Managed S	ite	General Comments
75	4134 - Aspe	pen, Spruce/Fir		Sapling Mediur		3.9	6		N/A	1	UM8 stand was cut under the Mixed SBW Timber Sale (12-028-17-
	Canopy Species	% Cover	Size Class	DBH	Age						01). Cut completed 06/24/19.
	Quaking Aspen	80	Sapling	1	6						
	Balsam Fir	20	Sapling/Pole	4							
77	4134 - Aspe	en, Spruce/	Fir F	oletimb	er Well	21.7	38		N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	
	Red Maple	5	Pole	5		Ba	lsam Fir	Low	< 5 feet	< 5 feet	
	Paper Birch	10	Pole	5		Whi	te Spruce	Low	< 5 feet	< 5 feet	
	Quaking Aspen	50	Pole	5	38			,	•		<del>-</del>
	Bigtooth Aspen	10	Pole	5	38						
	Balsam Fir	15	Pole	5							
	White Spruce	10	Sapling	3							
79	<b>79</b> 6220 - Alder/Willow				ne	5.4			No		