

Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12110 Entry Year: 2027 Acreage: 1,942

County: Dickinson

Management Area: Cassidy Creek

Stand Examiner: Rich Goupell

Legal Description:

T39N R28W Sections 4-8

Identified Planning Goals:

Optimize sustainable timber production while enhancing and protecting wildlife habitat. Protect riparian areas during management activity implementing the Best Management Practices guidelines.

Soil and topography:

The soil type is dominated by rock outcrops with some smaller portions of fine sandy loams. The terrain is steep.

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

The majority of this compartment is contiguous State of Michigan ownership with private landowners on the West and South sides. Hunting, fishing, trapping, and camping are the main recreational use patterns.

Unique Natural Features:

Sturgeon River and Black Creek.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features are known.

Special Management Designations or Considerations:

Eagle, Loon, and Wood Turtle considerations.

Watershed and Fisheries Considerations:

Black Creek and the Sturgeon River flow through this compartment. Streams, regardless of their size or frequency of flow, are connected to downstream waters and strongly influence their function. Additionally, wetlands and open waters in riparian areas and floodplains are physically, chemically, and biologically integrated with rivers via functions that improve downstream water quality. These systems act as effective buffers to protect downstream waters from pollution and are essential components of river food webs. BMP's should be implemented to control sediment sources from adjacent uplands. Fine sediments such as silt and sand negatively affect natural reproduction of fish, decrease the diversity of aquatic invertebrate and fish taxa, and result in lower overall fish populations.

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. The State-owned Palmcooks Rocky Top Road sand/gravel pit borders the compartment to the north. The pit is very small, has never been leased or permitted for commercial use, and has not been evaluated for quantity and quality of aggregate resources. There may be some additional potential for development of sand & gravel within the compartment on uplands where sufficient glacial sediments overlie bedrock. The abandoned Loretto and Appleton iron mines occur at the compartment's southern border, but there does not appear to be significant potential for additional iron ore beneath the compartment. There is active leasing involving State-owned mineral rights just southeast of the compartment, but similar interest in leasing within the compartment for metallic mineral exploration and development is less likely. 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:

Access to compartment is from paved County Road 573. The Black Creek Trail forest road is the main access point. Due to terrain, roads in this compartment are limited.

Survey Needs:

Some corners may need to be established.

Recreational Facilities and Opportunities:

A couple small boat launches are present in the SW portion of compartment.

Fire Protection:

Fire response will be from Norway DNR office.

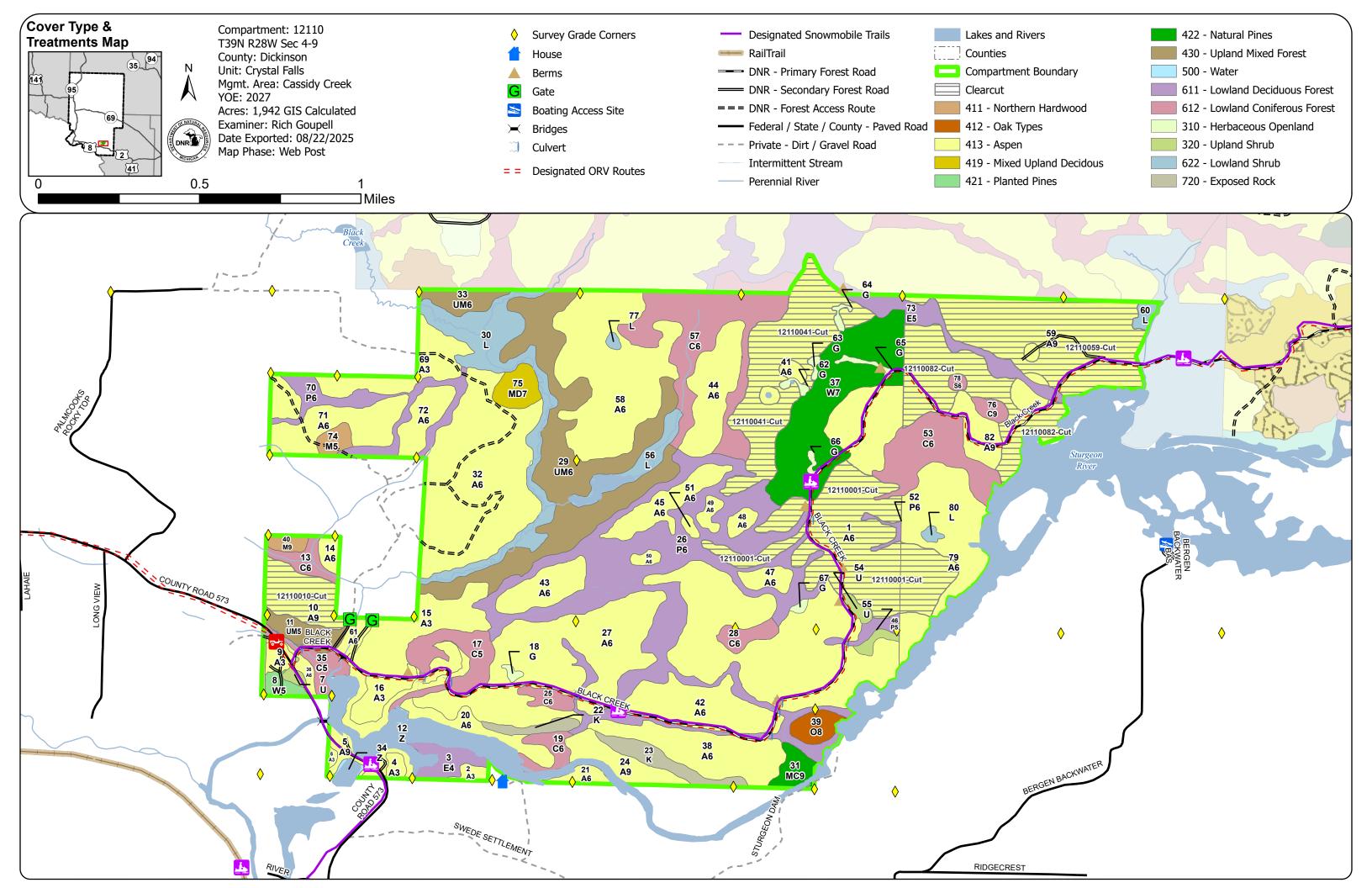
Additional Compartment Information:

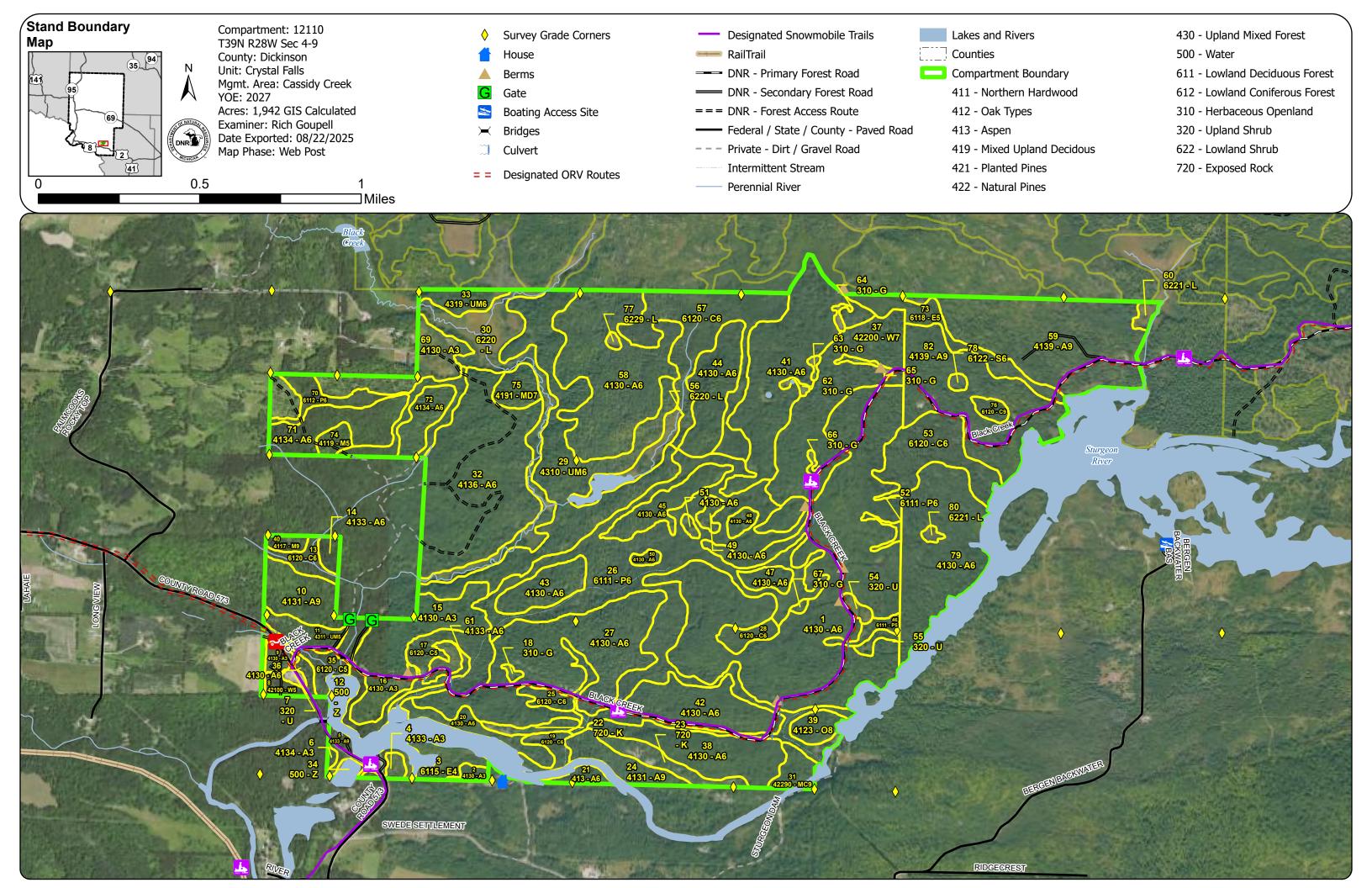
The following reports from the Inventory are attached:

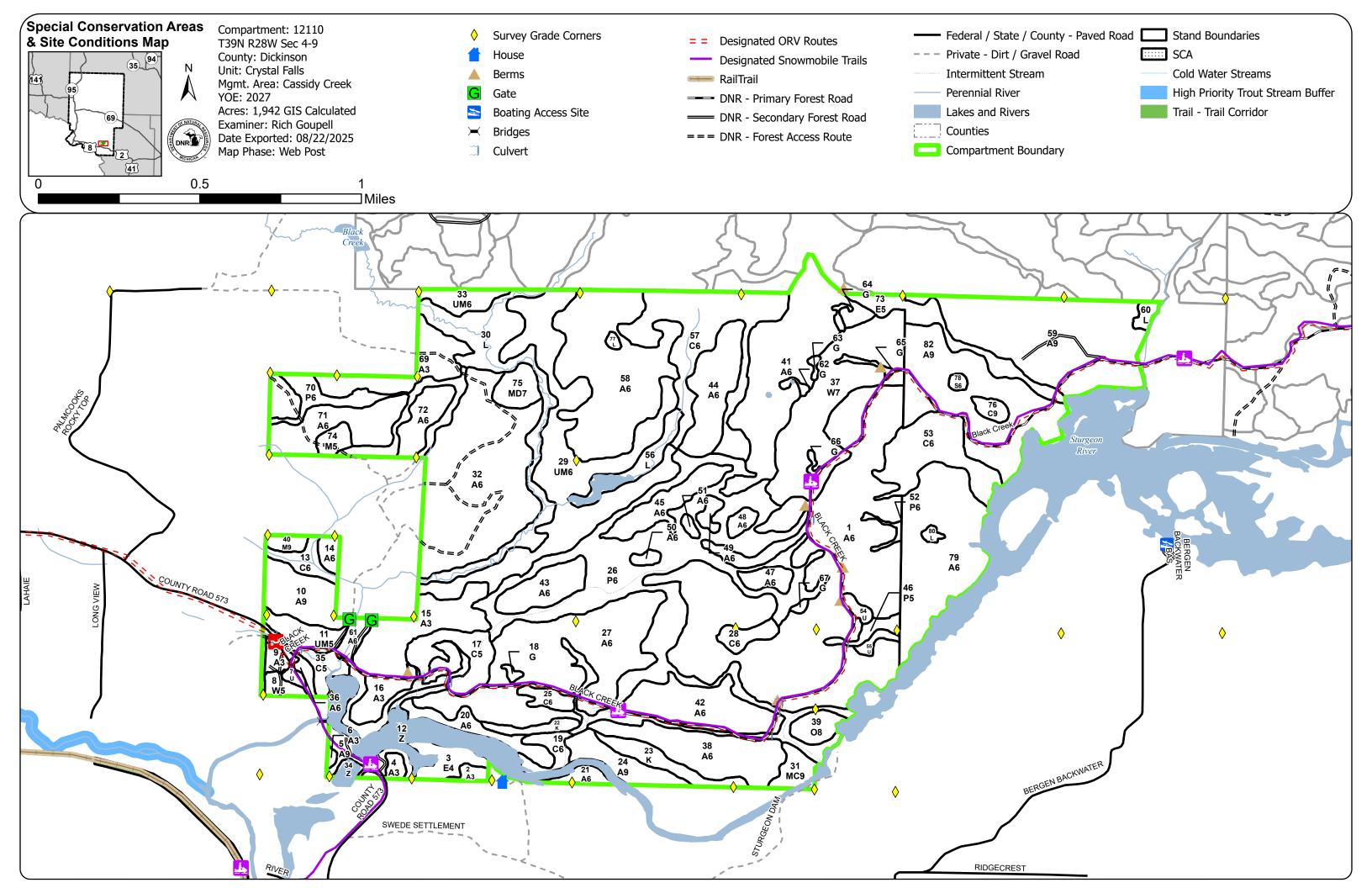
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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







Compartment 110 Year of Entry 2027

Crystal Falls Mgt. Unit
Rich Goupell: Examiner



Age Class

		<u> </u>	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/ _{&} /
	¥oc €	KO C	3 / 2			B K	S R	8/8		R &				& \ &				By July	A LOS
Aspen	0	52	40	1	0	857	0	163	20	42	0	0	5	0	0	0	0	23	1203
Cedar	0	0	0	0	0	0	0	0	8	12	0	100	34	0	0	0	0	0	154
Exposed Rock	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Aspen/Balsam Poplar	0	0	0	0	0	158	0	0	0	25	0	0	0	0	0	0	0	0	183
Lowland Deciduous	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	11	31
Lowland Shrub	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	10
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	9
Northern Hardwood	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	4	9
Oak	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	8
Upland Mixed Forest	0	0	0	0	0	0	11	0	0	0	0	10	0	0	0	0	0	99	119
Upland Shrub	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Water	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
White Pine	0	0	0	0	0	0	4	0	0	0	0	65	0	0	0	0	0	0	69
Total .	146	52	40	1	0	1015	15	163	53	79	10	185	39	0	9	0	0	137	1943



Report 2 – Treatment Summary

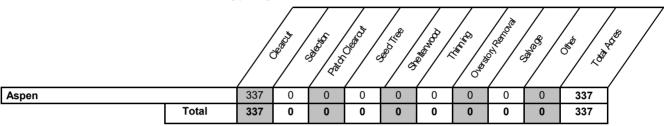
Crystal Falls Mgt. Unit Year of Entry: 2027

Acres of Harvest

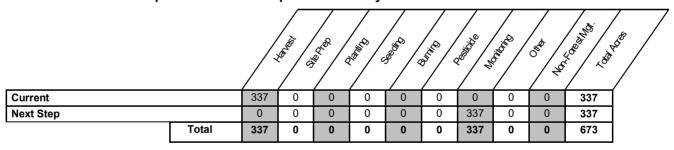
Compartment 110
Total Compartment Acres: 1,942

Commercial Harvest - 674
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



41 12110041-Cut 69.0 4130 - Aspen 6 48 Unspeci Harvest Clearcut 413 - Aspen Planting No fied Record

Prescription Final Harvest to a 3" spec leaving Cedar, Oak, Hemlock, and Pine if present. Green mark some Maple and birch for leave trees.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

<u>Treatments:</u>

Acceptable Aspen, Maple, Birch, Pine

Regen:

Other Buffer vernal ponds. Trail spec.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

59 12110059-Cut 88.6 4139 - Aspen, Mixed 9 63 Harvest Clearcut 413 - Aspen Planting No Deciduous Record

Prescription Final harvest 3"spec leave Pine, Cedar, Hemlock and Oak if present.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, Maple, Birch, Spruce/Fir, Pine

Regen:

Other Buffer Eagles nest, drainages, and river. Trail spec.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Crystal Falls Mgt. Unit Report 3 -- Treatments Compartment: 12110 s Year of Entry: 2027 t а **Treatment Treatment Cover Type Treatment Acres** Stand Size Stand BA Age Habitat n Density Name CoverType Age Range Method Objective Structure Type d Cut 12110082-Cut 54.2 4139 - Aspen, Mixed Harvest Clearcut 413 - Aspen **Planting** No Deciduous Record Prescription Final harvest 3" spec leave Pine, Cedar, Hemlock and Oak if present. Patch of smaller diameter Aspen in the south will be the retention. Green mark some Maple, Birch, and Basswood to leave. Specs: Monitoring, Natural Regen (Re-Inventory) Next Step **Treatments:** Acceptable Aspen, Birch, Maple. Spruce/Fir, Pine Regen: <u>Other</u> Trail spec. South of the trail Winter cut only for archeology. Comment:

Total Treatment 336.6 Acreage Proposed:

Proposed Start Date: 10/01/2026

Site Condition:

Crystal Falls Mgt. Unit

Compartment: 110 Year of Entry: 2027



Rich Goupell: Examiner

Availa	ability for	Managemer	nt								
Total	Acres	Acres Avail	Acres	D	omina	nt Site	e Con	dition	S		
Acres	Available	With Condition	Not Available		5C	2F	2G	2H	3J	5A	5E
1200	1136	0	64	Aspen				16	39		9
155	4	0	151	Cedar						151	
18	18	0	0	Exposed Rock							
9	9	0	0	Herbaceous Openland							
182	7	0	175	Lowland Aspen/Balsam Poplar			175				
31	31	0	0	Lowland Deciduous							
68	68	0	0	Lowland Shrub							
2	2	0	0	Lowland Spruce/Fir							
10	0	0	10	Mixed Upland Deciduous		10					
9	0	0	9	Natural Mixed Pines					9		
9	5	0	4	Northern Hardwood					4		
8	0	0	8	Oak					8		
119	119	0	0	Upland Mixed Forest							
9	9	0	0	Upland Shrub							
42	42	0	0	Water							
70	4	65	0	White Pine	65						
1,939	1,453	65	421	Total Forested Acres	65	10	175	16	60	151	9
	75%	3%	22%	Relative Percent					-		

^{*}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	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:		_				
2	Unavailable	5E: Long-Term Retention	9	3D: Recreational/scenic values	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified
				values	(Stream, mer, or lake)		
	Comments: High recreational ar	ea. Boat launch within stand	. Buffer		, , , , , , , , , , , , , , , , , , ,		

Crystal Falls Mgt. Unit
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3	Unavailable 3J: Water quality/BMPs (stream, river, or lake)			3D: Recreational/scenic values	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	14	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	13	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Majority of this star	nd is within 100 feet of Sturgeo	n River	-			
3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	16	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: Rock cliff to North,	Sturgeon River to South. No a	access	for this approx 11 acres of t	imber.		
7	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	8	2F: Too steep	Unspecified	Unspecified	Unspecified
	Comments: Rugged terrain bor	dering Sturgeon River. Erosio	n conc	erns exist.			

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9	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	9	3A: Conservation values incompatible with harvest at this time	2F: Too steep	Unspecified	Unspecified
	Comments: Rugged terrain bord	dering Sturgeon River. Erosio	n conce	erns present. Possible Type	1 Old growth as no sign	of harvesting is present.	
10	Unavailable	2F: Too steep	10	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: Stand is situated or	n top of a rock. Very little harv	estable	volume exists. Black Creek	is the Northern border.		
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Portions of this star	nd are operable once the Bals	am Pop	lar matures. The pockets of	pure Black Ash are not o	pperable.	
12	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Steep bank to Black	k Creek tributary.					
13	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Small acreage next	to Black Creek tributaries					
14	Unavailable	5A: Not able to obtain desirable regeneration	123	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

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15	Available 5C: Delay treatment for age/size class diversity or exceptional site quality		65	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
16	Unavailable	5A: Not able to obtain desirable regeneration	28	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	151	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

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				

Report 7 – Stands

Compartment: 110
Year of Entry: 2027

MICHIGAN

Stand	d Level 4 Co	over Type		Size Density	Acres	Stand Age	BA Range	Managed Site		General Comments
1	4130	0 - Aspen Poletimber Well 230.6 48		48	Unspecified	N/A	4	Harvested in late 1970s. Aspen is just reaching merchantability size. T Scattered supercanopy Pine and Oaks throughout. Many seeps and		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	drains.
	Quaking Aspen	80	Seedling	6 48	R	ed Pine	Low	Variable	Variable	
	Balsam Poplar	10	Seedling	5	Whi	te Spruce	Medium	Variable	Variable	
	Red Oak	5	Seedling	6	Ва	lsam Fir	Medium	Variable	Variable	
	Balsam Fir	5	Sapling	5	WI	nite Pine	Low	Variable	Variable	
2	4130	- Aspen		Sapling Well	2.8	15	Immature	N//	A	Scattered supercanopy Pine and Oaks found throughout cut. Upland A6
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	buffer along Sturgeon River to North
	Quaking Aspen	90	Log	1 15	Brad	cken Fern	Medium	Not Applicable	Not Applicable	3
	White Pine	10	Log	1			'		<u>'</u>	•
3	6115 - Lo	owland Ash		Poletimber Poor	r 11.1	51	1-50	N/A	4	Stream running through middle of stand. More Ash and Tag closer to
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	Sturgeon River.
	Balsam Poplar	15	Sapling	6	BI	ack Ash	High	Variable	Variable	*
	Black Ash	75	Sapling	5 51	Ta	ag Alder	High	5 - 10 feet	5 - 10 feet	
	American Elm	10	Sapling	6			'		<u> </u>	1
4			Sapling Well	3.5	15	Immature	N//	Ą	Harvested 2010. Many supercanopy Pines, Oaks, and conifers mixed	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	Sub-Canopy Species		Avg. Height	Size	throughout. More Aspen regen around edges of stand and on West side of road. Mature timber along buffer of Sturgeon River and county road.
	Balsam Poplar	10	Log	1	Bra	cken Fern	Medium	Not Applicable	Not Applicable	Within stand is an unofficial boat launch.
	Black Cherry	20	Log	1						
	Quaking Aspen	50	Log	1 15						
	White Pine	20	Log	1						
5	4133 - Aspe	en, Mixed Pi	ine	Sawtimber Well	9.3	84 (Unspecified	N/A	4	Thick conifer understory. High recreational use area bordering Sturgeon
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	River. Boat launch within stand.
	White Pine	5		16	WI	nite Pine	Medium	Variable	Variable	*
	Jack Pine	10	Seedling	8	Ва	lsam Fir	Medium	Variable	Variable	
	Red Pine	5		16	Whi	te Spruce	Medium	Variable	Variable	
	White Spruce	5		10						1
	Sugar Maple	2	Seedling	8						
N	orthern White Cedar	5		10						
	Quaking Aspen	25		12						
	Bigtooth Aspen	40		12 84						
	Red Oak	3	Seedling	8						
6	4134 - Aspe	en, Spruce/	Fir	Sapling Well	1.0	25	Immature	N/A	4	Scattered supercanopy Oaks and Pines found throughout.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	20	Log	2	Ва	lsam Fir	Low	Variable	Variable	
	Quaking Aspen	50	Log	2 25	WI	nite Pine	Medium	Variable	Variable	
										1



Stand	i Level 4 Co	over Type		Size Density	Acres	Stand Age	BA Range	Managed Sit	te	General Comments		
7	320 - Up	land Shrub		None	3.5			No				
8	42100 - Plan	ted White F	Pine P	oletimber Mediu	n 4.4	57	1-50	N/A		This is a White Pine plantation with a few Red Pine along South. Mo		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	Pine regen in bigger canopy gaps. Too early to remove overstory.		
	Red Pine	10	Seedling	8	Qua	king Aspen	High	Variable	Variable			
	White Pine	90		8 57	R	led Pine	Medium	Variable	Variable			
					W	hite Pine	Medium	Variable	Variable			
9	4130	- Aspen		Sapling Well	4.3	7	Unspecified	N/A		Cut with Cornea Timber Sale #12-006-17		
	Canopy Species	% Cover	Size Class	DBH Age								
	Quaking Aspen	100	Log	1 7								
10	4131 - A	spen, Oak		Sawtimber Well	22.9	48	81-110	N/A		Large overstory Oak wolf trees. More pole-sized trees to West. Beech		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	Bark Disease observed. Heavy sedge layer. More Maple/Fir on North aspect slope.		
	Beech	5	Sapling	6	W	hite Pine	Low	Variable	Variable	aspect slope.		
	Quaking Aspen	20	Seedling	9 48	Ва	alsam Fir	Low	Variable	Variable			
	Basswood	5		12	R	Red Oak	Low	Variable	Variable			
	Red Oak	25		12 104	Qua	king Aspen	Medium	Variable	Variable			
	Sugar Maple	20	Sapling	6	Suç	gar Maple	Medium	Variable	Variable			
	Bigtooth Aspen	20		12		Beech	Low	Variable	Variable			
	White Ash	5	Seedling	8	Ir	onwood	High	Variable	Variable			
					Musclew	ood/Hornbea	m High	Variable	Variable			
11	4311 - Pine	e, Aspen M	ix P	oletimber Mediu	n 11.0	59	51-80	N/A		Creek on South side of stand. Steep South aspect but still operable		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	when ready. Scattered supercanopy Pine and Oaks.		
	Quaking Aspen	30	Sapling	6		king Aspen	Medium	Variable	Variable			
	Red Oak	5		12	Re	ed Maple	Medium	Variable	Variable			
	Red Maple	10	Sapling	6	W	hite Pine	Medium	Variable	Variable			
	Red Pine	5		12								
	White Pine	50	Seedling	6 59								
12	500 -	Water		None	39.0			No		Sturgeon River		
13	6120 - Lov	wland Ceda	r	Poletimber Well	7.8	104	Unspecified	N/A		Tributary to Black creek within stand.		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size			
No	orthern White Cedar	70		9 104	Ва	alsam Fir	Low	Variable	Variable			
	Black Ash	5	Seedling	8	В	lack Ash	Low	Variable	Variable			
	Balsam Fir	10	Sapling	6			<u>-</u>	-				
	Hemlock	5	Seedling	9								
	Balsam Poplar	10		10								

Crystal Falls Mgt. Unit Report 7 – Stands



Stand	d Level 4 Co	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		General Comments							
14	4133 - Aspe	en, Mixed P	ine	Poletim	ber Well	4.2	84 U	nspecified	N/A		Most of Birch has fallen out of stand. Aspen in decline. Pocket of Red ¬ Pine on top of hill. Stand is situated on top of hill sloping down to strean
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Canopy Species Density Avg. Height		Size	The offtop of fill. Stand is situated offtop of fill sloping down to sitean		
	Paper Birch	2	Seedling	6			Beech	Low	Variable	Variable	
	Red Maple	5	Sapling	6		Ва	alsam Fir	Low	Variable	Variable	
	Red Pine	20	Seedling	8		Re	ed Maple	Medium	Variable	Variable	
	Sugar Maple	3	Seedling	6							<u></u>
	Hemlock	5	Seedling	6							
	Bigtooth Aspen	65		9	84						
15	4130	- Aspen		Saplir	ng Well	33.7	14 I	mmature	N/A	,	Harvested 2011. Many different species of trees retained in overstory
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	from last cut. Pines and Oak found throughout.
	Quaking Aspen	90	Log	1	14	Hazelı	nut (Beaked)	Low	5 - 10 feet	5 - 10 feet	
	White Pine	5	Log	1							-
	Balsam Fir	5	Log	3							
16	4130	- Aspen		Saplir	ng Well	16.2	7 U	nspecified	N/A		Varying densities and ages of Aspen throughout stand. Higher stocking
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	levels to South.
	Balsam Fir	5	Log	1		W	hite Pine	Medium	>20 feet	>20 feet	Stand 16 was harvested with Cornea Timber Sale #12-006-17. (2018)
	White Pine	5		10		W	hite Pine	Medium	Variable	Variable	
	Quaking Aspen	90	Log	1	7	Ва	alsam Fir	Low	Variable	Variable	
						Wh	ite Spruce	Low	Variable	Variable	
						Hazelı	nut (Beaked)	High	5 - 10 feet	5 - 10 feet	
						R	led Oak	Low	>20 feet	>20 feet	
17	6120 - Lo	wland Ceda	ır F	Poletimb	er Mediun	n 21.4	106 U	nspecified	N/A		
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Balsam Fir	15	Sapling	7		Ва	alsam Fir	High	Variable	Variable	
	Balsam Poplar	5		12	:	Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet	
	Black Spruce	5	Seedling	6							-
	Black Ash	5	Seedling	6							
No	orthern White Cedar	50	Seedling	7	106						
	Tamarack	15	Seedling	8							
	White Pine	5		14							
18	310 - Herbac	eous Open	land	No	one	1.2			No		
19	6120 - Lov	wland Ceda	ır	Poletim	ber Well	7.8	74 U	nspecified	N/A		Stream through stand. Pure Black Ash near Sturgeon River and NW
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	parts of stand.
Nc	orthern White Cedar	80	Sapling	6		В	ack Ash	Medium	Variable	Variable	†
140											

Report 7 – Stands



Stan	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Si	te	General Comments	
20	4130	4130 - Aspen Poletimber Well 13.1		13.1	81	Unspecified	N/A		Rugged terrain bordering Sturgeon River. Scattered supercanopy Pines			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	throughout.	
	White Pine	5		12		Ва	lsam Fir	Low	Variable	Variable		
	Red Pine	5		12		Whit	te Spruce	Low	Variable	Variable		
	Quaking Aspen	55	Seedling	8	81	Wh	nite Pine	Low	Variable	Variable		
	Bigtooth Aspen	10	Seedling	8							_	
	Jack Pine	5	Seedling	8								
	Red Oak	15		8								
	Red Maple	5	Seedling	8								
21	413	- Aspen		Poletimb	er Well	4.7	115	Unspecified	N/A		Entire stand within Riparian management zone. According last inventor cycle, it is a mix of Aspen/Maple/Black Ash.	
22	720 - Ех	posed Rock		Noi	ne	5.5			No		Some small inaccessible Oaks and Pines growing on top of rock	
23	720 - Ex	posed Rock		Noi	ne	12.4			No		Some small inaccessible Oaks and Pines growing on top of rock	
24	4131 - Aspen, Oak			Sawtimb	er Well	15.6	89	81-110	N/A		Stand bounded by rock cliff to North, rivers to West and South. Accessing stand will be a problem due to these physical obstacles.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	Small lowland Aspen/Maple/Fir inclusion on far Western side of st	
	Red Pine	5		14		Wh	nite Pine	Low	Variable	Variable		
	Red Maple	5		8		Re	d Maple	Low	Variable	Variable		
	Quaking Aspen	30		10	89	Ва	lsam Fir	Low	Variable	Variable		
	Red Oak	40		12	89							
	Bigtooth Aspen	20		10								
25	6120 - Lo	wland Ceda	r	Poletimb	er Well	5.4	81	Unspecified	N/A		Healthy Cedar stand. Spruce/Fir within stand is hit by budworm.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	7	
	White Pine	5		14		Ва	lsam Fir	Low	Variable	Variable		
N	orthern White Cedar	95	Seedling	8	81						_	
26	6111 - Lowlan	ıd Balsam P	oplar	Poletimb		151.4	48	Unspecified	N/A		Large drainage system through the rocks. Some areas are pure Cedar, some areas pure Ash but the majority is lowland Aspen. Most of this	
	Canopy Species		Size Class		Age		nopy Specie	s Density	Avg. Height	Size	stand was cut in late 70s. Some very small upland inclusions, less than	
	Quaking Aspen	35	Sapling	6			ig Alder	Low	5 - 10 feet	5 - 10 feet	1 acre in size, are located in this stand.	
	Black Ash	10	Sapling	5			ack Ash	Medium	Variable	Variable		
N	orthern White Cedar	15	Seedling	7	L	Ва	Isam Fir	Medium	Variable	Variable		
	Balsam Poplar	40	Sapling	6	48							
27	4130	- Aspen		Poletimb	er Well	95.9	48	Unspecified	N/A		Harvested in late 1970s. Aspen is just reaching merchantability size.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	Scattered supercanopy Pine and Oaks throughout.	
	Quaking Aspen	90	Seedling	6	48	Ва	lsam Fir	Medium	Variable	Variable		
	Balsam Poplar	10	Seedling	5								

Report 7 - Stands



Stand	d Level 4 C	over Type	,	Size De		Acres	Stand Age B		Managed S	ile	General Comments
28	6120 - Lo	wland Ceda	r F	Poletimb	er Well	6.7	84 U	nspecified	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Black Ash	10	Sapling	6		Bals	sam Fir	Medium	Variable	Variable	
	Tamarack	10	Seedling	8		Tag	g Alder	Medium	5 - 10 feet	5 - 10 feet	
	Black Spruce	20	Seedling	6							
No	orthern White Cedar	60	Seedling	6	84						
29	4310 - Pi	ne, Oak Mix	. F	Poletimb	er Well	98.5	83	51-80	N/A	1	Most of this stand was not harvested in the 70s because it was too
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	rugged and/or due to riparian concerns. Large boulders, many seeps and drains leading to Black Creek are found throughout stand. Black
	Red Oak	20		9		Bals	sam Fir	Low	Variable	Variable	Ash and BAM in lowland areas of stand. Look at opportunities to treat when adjacent stands mature.
	White Pine	19		12		White	e Spruce	Medium	Variable	Variable	
	Quaking Aspen	30		8		Whi	ite Pine	Medium	Variable	Variable	
	Red Pine	31		8	83	Red	d Pine	Medium	Variable	Variable	
						Quakii	ng Aspen	Medium	Variable	Variable	
	6220 - A	lder/Willow		Noi	20	48.8			No		
30					le	40.0			NO		
	42290 - Nati	ural Mixed F	rine S	Sawtimb		8.6	135	81-110	N/A		Remnant stand that shows no signs of ever being harvested. Terrain is
	42290 - Nati		ine S	Sawtimb DBH	er Well	8.6	135	81-110 Density			Remnant stand that shows no signs of ever being harvested. Terrain i very rugged. Large cliffs near the river. High erosion concerns within stand due to steep hillsides.
				Sawtimb	er Well	8.6 Sub-Can			N/A		very rugged. Large cliffs near the river. High erosion concerns within
	Canopy Species	% Cover		Sawtimb DBH	er Well	8.6 Sub-Can Quakii	opy Species	Density	N/A Avg. Height	Size	very rugged. Large cliffs near the river. High erosion concerns within
	Canopy Species Red Pine White Pine Red Oak	% Cover 50 20 10		DBH 14 16 10	er Well	8.6 Sub-Can Quakii Musclewoo	ng Aspen	Density Medium	N/A Avg. Height >20 feet	Size >20 feet 10 - 20 feet Variable	very rugged. Large cliffs near the river. High erosion concerns within
	Canopy Species Red Pine White Pine	% Cover 50 20		DBH 14 16 10 8	er Well	8.6 Sub-Can Quakii Musclewoo	nopy Species ng Aspen od/Hornbeam	Density Medium Low	N/A Avg. Height >20 feet 10 - 20 feet	Size >20 feet 10 - 20 feet	very rugged. Large cliffs near the river. High erosion concerns within
	Canopy Species Red Pine White Pine Red Oak	% Cover 50 20 10		DBH 14 16 10	er Well	8.6 Sub-Can Quakii Musclewoo	nopy Species ng Aspen od/Hornbeam eech	Density Medium Low Low	N/A Avg. Height >20 feet 10 - 20 feet Variable	Size >20 feet 10 - 20 feet Variable	very rugged. Large cliffs near the river. High erosion concerns within
31	Canopy Species Red Pine White Pine Red Oak Hemlock	% Cover 50 20 10 10 10	Size Class	DBH 14 16 10 8	er Well Age 135	8.6 Sub-Can Quakii Musclewoo	ng Aspen od/Hornbeam eech sam Fir	Density Medium Low Low	N/A Avg. Height >20 feet 10 - 20 feet Variable	Size >20 feet 10 - 20 feet Variable Variable	very rugged. Large cliffs near the river. High erosion concerns within stand due to steep hillsides. Various drainages littered throughout stand. Scattered supercanopy
31	Canopy Species Red Pine White Pine Red Oak Hemlock Sugar Maple	% Cover 50 20 10 10 10 10 n, Mixed Cor	Size Class	DBH	er Well Age 135	8.6 Sub-Can Quakii Musclewoo Bo Bals	ng Aspen od/Hornbeam eech sam Fir	Density Medium Low Low Low	N/A Avg. Height >20 feet 10 - 20 feet Variable Variable	Size >20 feet 10 - 20 feet Variable Variable	very rugged. Large cliffs near the river. High erosion concerns within stand due to steep hillsides. Various drainages littered throughout stand. Scattered supercanopy Pines found mostly on the rocktops. Very healthy young Aspen stand
31	Canopy Species Red Pine White Pine Red Oak Hemlock Sugar Maple 4136 - Asper	% Cover 50 20 10 10 10 10 n, Mixed Cor	Size Class	### DBH	er Well I Age 135 1	8.6 Sub-Can Quakin Musclewoo Bals 104.6 Sub-Can Bals	nopy Species ng Aspen od/Hornbeam eech sam Fir 44 Ui nopy Species sam Fir	Density Medium Low Low Low Low	N/A Avg. Height >20 feet 10 - 20 feet Variable Variable	Size >20 feet 10 - 20 feet Variable Variable	very rugged. Large cliffs near the river. High erosion concerns within stand due to steep hillsides. Various drainages littered throughout stand. Scattered supercanopy
31	Canopy Species Red Pine White Pine Red Oak Hemlock Sugar Maple 4136 - Asper Canopy Species	% Cover 50 20 10 10 10 10 % Cover	Size Class nifer F Size Class	DBH	er Well I Age 135 er Well I Age	8.6 Sub-Can Quakin Musclewoo Bals 104.6 Sub-Can Bals	nopy Species ng Aspen od/Hornbeam eech sam Fir 44 Ui nopy Species	Density Medium Low Low Low Low Density	N/A Avg. Height >20 feet 10 - 20 feet Variable Variable N/A Avg. Height	Size >20 feet 10 - 20 feet Variable Variable	very rugged. Large cliffs near the river. High erosion concerns within stand due to steep hillsides. Various drainages littered throughout stand. Scattered supercanopy Pines found mostly on the rocktops. Very healthy young Aspen stand
31	Canopy Species Red Pine White Pine Red Oak Hemlock Sugar Maple 4136 - Asper Canopy Species Quaking Aspen	% Cover 50 20 10 10 10 0 , Mixed Cover 80	Size Class nifer F Size Class	DBH 14 16 10 8 10 Poletimb	er Well I Age 135 er Well I Age	8.6 Sub-Can Quakin Musclewoo Bo Bals 104.6 Sub-Can Bals	nopy Species ng Aspen od/Hornbeam eech sam Fir 44 Ui nopy Species sam Fir	Density Medium Low Low Low Density Medium Low Low High	N/A Avg. Height >20 feet 10 - 20 feet Variable Variable N/A Avg. Height Variable	Size >20 feet 10 - 20 feet Variable Variable Size Variable	very rugged. Large cliffs near the river. High erosion concerns within stand due to steep hillsides. Various drainages littered throughout stand. Scattered supercanopy Pines found mostly on the rocktops. Very healthy young Aspen stand
31	Canopy Species Red Pine White Pine Red Oak Hemlock Sugar Maple 4136 - Asper Canopy Species Quaking Aspen White Pine	% Cover 50 20 10 10 10 0 , Mixed Cover 80 5	Size Class nifer F Size Class	DBH 14 16 10 8 10 Poletimb DBH 4 16	er Well I Age 135 er Well I Age	8.6 Sub-Can Quakii Musclewoo Bo Bals 104.6 Sub-Can Bals Red White	nopy Species ng Aspen od/Hornbeam eech sam Fir 44 Ui nopy Species sam Fir	Density Medium Low Low Low Density High Low	N/A Avg. Height >20 feet 10 - 20 feet Variable Variable N/A Avg. Height Variable Variable	Size >20 feet 10 - 20 feet Variable Variable Size Variable Variable	very rugged. Large cliffs near the river. High erosion concerns within stand due to steep hillsides. Various drainages littered throughout stand. Scattered supercanopy Pines found mostly on the rocktops. Very healthy young Aspen stand
31	Canopy Species Red Pine White Pine Red Oak Hemlock Sugar Maple 4136 - Asper Canopy Species Quaking Aspen White Pine Red Pine	% Cover 50 20 10 10 10 0 , Mixed Col 80 5 5	nifer F Size Class Pole	DBH	er Well I Age 135 er Well I Age	8.6 Sub-Can Quakii Musclewoo Bo Bals 104.6 Sub-Can Bals Red White	nopy Species ng Aspen od/Hornbeam eech sam Fir 44 Un nopy Species sam Fir d Maple e Spruce	Density Medium Low Low Low Density High Low High	N/A Avg. Height >20 feet 10 - 20 feet Variable Variable N/A Avg. Height Variable Variable Variable Variable	Size >20 feet 10 - 20 feet Variable Variable Size Variable Variable Variable Variable	very rugged. Large cliffs near the river. High erosion concerns within stand due to steep hillsides. Various drainages littered throughout stand. Scattered supercanopy Pines found mostly on the rocktops. Very healthy young Aspen stand
32	Canopy Species Red Pine White Pine Red Oak Hemlock Sugar Maple 4136 - Asper Canopy Species Quaking Aspen White Pine Red Pine Balsam Fir	% Cover 50 20 10 10 10 0, Mixed Cor 80 5 5 5 5	nifer F Size Class Pole Seedling Seedling	DBH 14 16 10 8 10 DBH 4 16 16 16 5	er Well 1 Age 1 135 er Well 1 Age 44	8.6 Sub-Can Quakii Musclewoo Bo Bals 104.6 Sub-Can Bals Red White	nopy Species ng Aspen od/Hornbeam eech sam Fir 44 Un nopy Species sam Fir d Maple e Spruce	Density Medium Low Low Low Density High Low High	N/A Avg. Height >20 feet 10 - 20 feet Variable Variable N/A Avg. Height Variable Variable Variable Variable	Size >20 feet 10 - 20 feet Variable Variable Size Variable Variable Variable Variable Variable Variable	very rugged. Large cliffs near the river. High erosion concerns within stand due to steep hillsides. Various drainages littered throughout stand. Scattered supercanopy Pines found mostly on the rocktops. Very healthy young Aspen stand

7 – Stands Compartment: 110
Year of Entry: 2027

DNR MICHIGAN

Stand	Level 4 Co	over Type		Size Density	Acres	Stand Age E	BA Range	Managed S	ite	General Comments
35	6120 - Lov	vland Ceda	r Po	oletimber Medium	9.0	109 L	Inspecified	N/A		2 streams within stand.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
No	orthern White Cedar	70	Seedling	6 109	Bl	ack Ash	Medium	Variable	Variable	
	Black Ash	10	Sapling	5	Ta	marack	Low	Variable	Variable	
	Tamarack	20		8						
36	4130 -	- Aspen	ı	Poletimber Well	3.6	75 L	Inspecified	N/A		More conifer component on East side of road. Budworm damage
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	evident.Stand 36 was once part of Stand 9 but was not included in the Cornea Timber Sale # 12-006-17 as it has a site condition.
	Red Oak	2	Seedling	6	WI	nite Pine	Low	Variable	Variable	
No	orthern White Cedar	5	Seedling	6	Ва	lsam Fir	Medium	Variable	Variable	
	Balsam Poplar	5	Seedling	8	Whi	te Spruce	Medium	Variable	Variable	
	Quaking Aspen	50	Seedling	7 75						<u></u>
	Jack Pine	3	Seedling	6						
	Red Maple	5	Seedling	6						
	White Pine	5	Seedling	8						
	Bigtooth Aspen	25	Seedling	8						
37	42200 - Natu	ıral White P	Pine S	Sawtimber Poor	65.3	105	1-50	N/A		Many pole sized Pines filling in canopy gaps. Some small areas within
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand are pure Aspen/Fir. Understory was harvested in 70s. Submerchantable Spruce/Fir hit hard by budworm. Recruitment of mixed
	White Pine	70		16 105	Quak	ing Aspen	High	Variable	Variable	Pines present. Stand should be managed for a Mixed Conifer
	Quaking Aspen	5		10	WI	nite Pine	High	Variable	Variable	objective. Southern and Northern portions of stand has the most Pine
	Red Pine	25		14	Ja	ck Pine	Low	Variable	Variable	stocking.
					Ва	lsam Fir	High	Variable	Variable	
38	4130 -	- Aspen	ı	Poletimber Well	37.8	49 L	Inspecified	N/A		Rugged site but still harvestable. Pocket of Red and White Pines
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	located on far Western side of stand.
	Red Oak	5	Sapling	5 49	Quak	ing Aspen	High	Variable	Variable	
	White Pine	5		14	Ва	lsam Fir	Low	Variable	Variable	
	Red Maple	20	Sapling	5 49	Whi	te Spruce	Low	Variable	Variable	
	Quaking Aspen	40	Sapling	5 49	WI	nite Pine	Low	Variable	Variable	
	Bigtooth Aspen	30	Seedling	6						_
39	4123 - I	Red Oak	Sa	awtimber Medium	8.1	97	51-80	N/A		Rugged site with little rock chutes throughout. Eastern boundary is a rock cliff leading to the old Sturgeon Dam. Understory of White Pine
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	present in stand.
	camely checies									
	Bigtooth Aspen	10		12	R	ed Oak	Medium	Variable	Variable	
	• • • •	10	Seedling	12 8		ed Oak nite Pine	Medium High	Variable Variable	Variable Variable	
	Bigtooth Aspen		Seedling		WI					

Red Oak

75

12 97

Crystal Falls Mgt. Unit Report 7 – Stands



Stand	Level 4 Co	over Type		Size D	ensity	Acres	Stand Age	BA Range	Managed Si	ite	General Comments		
40	4117 - Mixed N.	. Hardwood	I - Pine	Sawtim	ber Well	3.8	120	81-110	N/A		Very diverse stand. Pinned in between rock wall to North and creeks to		
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	South and East. Red Pine on far Western boundary of stand. WLD notified of point within stand.		
No	rthern White Cedar	5		12	!	R	led Oak	Low	Variable	Variable	The state of the s		
	Red Pine	20		10)	H	lemlock	Low	Variable	Variable			
	Sugar Maple	60		16	120	Ва	alsam Fir	High	Variable	Variable			
	Red Oak	5		14									
	Quaking Aspen	5	Seedling	8									
	Hemlock	5		12	?								
41	4130	- Aspen		Poletim	ber Well	73.5	48	Unspecified	N/A		Harvested in late 1970s. Aspen is just reaching merchantability size.		
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	Scattered supercanopy Pine and Oaks throughout. Many drainages and seeps. Some scattered White pine		
	Balsam Poplar	15		10)	Ва	alsam Fir	Low	Variable	Variable	- Cooper Commo Courter William Pinto		
	Quaking Aspen	75		10	48								
	Balsam Fir	5	Seedling	6									
	Red Maple	5		10)								
42	4130 - Aspen			Poletim	ber Well	35.6	48	Unspecified	N/A		Harvested in late 1970s. Aspen is just reaching merchantability size.		
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	Pockets of Oak and Pine throughout stand.		
	Quaking Aspen	90	Seedling	6	48	W	hite Pine	Medium	Variable	Variable			
	Red Oak	10	Seedling	6		Re	ed Maple	Low	Variable	Variable			
						Ва	alsam Fir	Medium	Variable	Variable			
43	4130	- Aspen		Poletimber Well		17.5 49 51		51-80	N/A		Stand is just starting to reach merchantable size. Spruce/Fir in		
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	understory being hit hard by Budworm but not losing much volume as Spruce/Fir is not merchantable. Stand is very rugged with boulders and		
	White Pine	5		14		Wh	ite Spruce	High	Variable	Variable	steep areas. Lowland drains are present within stand. Some scattered		
	Quaking Aspen	85	Sapling	5	49	Ва	alsam Fir	High	Variable	Variable	supercanopy Pines mixed throughout.		
	Red Oak	5	Sapling	5									
	Red Maple	5	Sapling	5									
44	4130	- Aspen		Poletim	ber Well	29.2	48	Unspecified	N/A		Harvested in late 1970s. Aspen is just reaching merchantability size.		
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	Scattered supercanopy Pine and Oaks throughout.		
	Quaking Aspen	90	Seedling	6	48	Ва	alsam Fir	Medium	Variable	Variable			
	Balsam Poplar	10	Sapling	5		Ir	onwood	Low	Variable	Variable			
						W	hite Pine	Medium	Variable	Variable			
45	4130	- Aspen		Poletim	ber Well	18.0	48	Unspecified	N/A		Harvested in late 1970s. Aspen is just reaching merchantability size.		
	Canopy Species	% Cover	Size Class	DBH Age		Sub-Ca	nopy Specie	s Density	Avg. Height	Size	Scattered supercanopy Pine and Oaks throughout.		
	Quaking Aspen	100	Seedling	6	48	Ва	alsam Fir	Medium	Variable	Variable			

Crystal Falls Mgt. Unit

Report 7 - Stands



Stand	Level 4 Co	ver Type		Size Density	Acres Stand Age	BA Range	Managed Sit	е	General Comments
46	6111 - Lowland Balsam Poplar		oplar Po	oletimber Mediun	n 5.0 48	Unspecified	N/A		Parts of this stand are wet meadow.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Speci	ies Density	Avg. Height	Size	
	Balsam Poplar	90	Seedling	8 48	Black Ash	Medium	Variable	Variable	
	Black Ash	10	Seedling	6	Balsam Poplar	Medium	Variable	Variable	
47	4130 -	Aspen		Poletimber Well	6.3 48	Unspecified	N/A		Harvested in late 1970s. Aspen is just reaching merchantability size.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Speci	ies Density	Avg. Height	Size	
	Quaking Aspen	100	Seedling	6 48	Balsam Fir	Medium	Variable	Variable	
48	4130 -	Aspen		Poletimber Well	3.7 48	Unspecified	N/A		Harvested in late 1970s. Aspen is just reaching merchantability size.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Speci	ies Density	Avg. Height	Size	
	Quaking Aspen	100	Seedling	7 48	Balsam Fir	Medium	Variable	Variable	
49	4130 -	Aspen		Poletimber Well	3.4 48	Unspecified	N/A		Harvested in late 1970s. Aspen is just reaching merchantability size.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Speci	ies Density	Avg. Height	Size	
	Quaking Aspen	100	Seedling	7 48	Balsam Fir	Medium	Variable	Variable	
50	4130 -	Aspen		Poletimber Well	2.2 48	Unspecified	N/A		Harvested in late 1970s. Aspen is just reaching merchantability size.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Speci	ies Density	Avg. Height	Size	
	Quaking Aspen	95	Sapling	5 48	Balsam Fir	High	Variable	Variable	
	White Pine	5	Seedling	8					
51	4130 -	Aspen		Poletimber Well	1.6 48	Unspecified	N/A		Harvested in late 1970s. Aspen is just reaching merchantability size.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Speci	ies Density	Avg. Height	Size	
	Quaking Aspen	100	Sapling	5 48	Balsam Fir	High	Variable	Variable	
52	6111 - Lowland	l Balsam P	oplar	Poletimber Well	2.0 48	Unspecified	N/A		Wet drainage
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Speci		Avg. Height	Size	
No	orthern White Cedar	10		12	Black Ash	Medium	Variable	Variable	
	Balsam Poplar	50	Seedling	7 48					
	Quaking Aspen	20	Sapling	6					
	Black Ash	20	Sapling	6					
53	6120 - Low	/land Ceda	r	Poletimber Well	34.3 112	Unspecified	N/A		_
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Speci	ies Density	Avg. Height	Size	
No	orthern White Cedar	80	Seedling	7 112	Balsam Fir	Medium	Variable	Variable	
	Black Spruce	10	Seedling	6	Tag Alder	Medium	5 - 10 feet	5 - 10 feet	
	Tamarack	10	Seedling	8					
54	320 - Upl	and Shrub		None	3.0		No		Parts of this opening are WET
55	320 - Upl	and Shrub		None	2.8		No		Parts of this opening are WET

Compartment: 110 Year of Entry: 2027



										DNR DNR
Stand	Level 4 Co	Level 4 Cover Type		Size Density	Acres	Acres Stand Age BA Range		Managed S	Site	General Comments
56	6220 - A	lder/Willow		None	13.1			No)	
57	6120 - Lov	wland Ceda	r	Poletimber Well	58.5	108 L	Inspecified	N/A	A	Thick Cedar stand with pockets of pure Tamarack and pure Black Ash.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Bed and bank running through middle of stand. Finger extending to South is Black Ash/BAM.
	Balsam Poplar	5		12	BI	ack Ash	Medium	Variable	Variable	Codul is black AshibAin.
	Tamarack	5		10	Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet	
	Black Ash	15	Sapling	7					1	_
	White Spruce	5		10						
No	orthern White Cedar	70		8 108						
58	4130	- Aspen		Poletimber Well	85.0	48 L	Inspecified	N/A	A	Most of stand is just starting to reach merchantability size. MANY wet
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	drainages throughout. Scattered Pine and Oak in stand.
	Quaking Aspen	70	Sapling	6 48	Ba	alsam Fir	Low	Variable	Variable	
	Balsam Poplar	20	Sapling	5	Re	ed Maple	Medium	Variable	Variable	
	Red Maple	10	Sapling	5			'			_
59	4139 - Aspen,	Mixed Decid	duous	Sawtimber Well	91.1	63		N/A	Ą	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Pine	5		20	Qual	king Aspen	Low	5 - 10 feet	5 - 10 feet	
	Quaking Aspen	35		14 63	Ва	alsam Fir	Medium	Variable	Variable	
	Black Ash	5	Seedling	8	Ire	onwood	Medium	Variable	Variable	
	Paper Birch	5		12			'			_
	Bigtooth Aspen	15		14						
	Sugar Maple	10		11						
	Basswood	5		12						
	Red Maple	20		11						
60	622	1 - Fen		None	3.1			No)	
61	4133 - Aspe	en, Mixed Pi	ne	Poletimber Well	16.1	77 L	Inspecified	N/A	Ą	Black Creek flows through stand on Western finger. 2 unnamed
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	tributaries to Sturgeon River on far East side of stand. Varying densities and ages of Aspen throughout stand. Higher stocking levels to South.
	Red Pine	15		12	Hazelr	nut (Beaked)	High	5 - 10 feet	5 - 10 feet	Was once part of Stand 16 but was not treated with the Cornea Timber
	Jack Pine	5	Seedling	6	Whi	ite Spruce	Low	Variable	Variable	Sale #12-006-17. Stand 61 was left primarily as buffer to streams and
	Quaking Aspen	25	Seedling	8	Ba	alsam Fir	Low	Variable	Variable	lakes. (2018)
	Bigtooth Aspen	30		8 77	W	hite Pine	Medium	Variable	Variable	
No	orthern White Cedar	5	Seedling	8			L			_
	White Pine	10		10						
	Red Oak	5		10						

5

Seedling

8

Red Maple



Stand	d Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Si	ite	General Comments
62	310 - Herbac	eous Openl	and	Non	е	1.3			No		
63	310 - Herbac	eous Openl	and	Non	е	1.0			No		
64	310 - Herbac	and	Non	e	1.3			No			
65	310 - Herbac	and	Non	е	1.8			No			
66	310 - Herbac	and	Non	е	1.5			No			
67	310 - Herbaceous Openland			Non	е	1.0			No		
69	Canopy Species		Size Class		Age	31.1	7	Unspecified	N/A		Small drainage in Northern portion. Access through private.Harvested with Cornea Timber Sale #12-006-17. (2018)
	Quaking Aspen	100	Log	1	7						
70	6112 - Lov	vland Asper	<u> </u>		er Well		86	Unspecified	N/A		Very wet lowland drainage. Some parts of stand were harvested in the 70 70s and coming back to Aspen. The unharvested portions are solid
	Canopy Species	% Cover			Age		nopy Specie		Avg. Height	Size	Black Ash. Black Ash is dying from EAB
	Balsam Poplar	20	Sapling	6	00		g Alder	Low	5 - 10 feet	5 - 10 feet	
	Black Ash	36	Sapling	6	86		e Spruce	Low	Variable	Variable	
	Quaking Aspen	35	Sapling	6	48		Isam Fir	Low	Variable	Variable	
NI.	American Elm	5 4	Sapling	6		Bla	ack Ash	Medium	Variable	Variable	
INC	orthern White Cedar	4	Seedling	6							
71	4134 - Aspe	en, Spruce/F	-ir	Poletimbe	er Well	28.0	46	Unspecified	N/A		Numerous drainages are surrounding and mixed throughout the rocks
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Specie	es Density	Avg. Height	Size	within stand. Aspen starting to reach merchantability size. Scattered supercanopy Oaks present. Small pockets of mature Aspen within
	Red Maple	5	Sapling	6		Iro	nwood	Low	Variable	Variable	stand, particularly West and South edges.
	Balsam Fir	20	Sapling	5		Red	d Maple	Low	Variable	Variable	
	Quaking Aspen	70	Seedling	6	46	Bal	lsam Fir	High	Variable	Variable	
	Hemlock	5	Seedling	8							
72	4134 - Aspe	en, Spruce/F	Fir	Poletimbe	er Well	13.3	46	Unspecified	N/A		Aspen/Fir stand on top of rock outcroppings. Scattered supercanopy
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Specie	es Density	Avg. Height	Size	Oaks. Windthrow on top of rocks due to shallow soils.
	Quaking Aspen	70	Sapling	5	46	Red	d Maple	Low	Variable	Variable	
	Hemlock	5	Seedling	8		Iro	nwood	Low	Variable	Variable	
	Balsam Fir	20	Sapling	5		Bal	lsam Fir	High	Variable	Variable	
-	Red Maple	5	Sapling	6							<u> </u>

Report 7 - Stands

Compartment: 110 Year of Entry: 2027



Stand	Level 4 Co	over Type		Size Density	Acres Stand Age B	A Range	Managed S	ite	General Comments
73	6118 - Lowland D	eciduous w	ith Cedar P	oletimber Mediun	n 19.7 73 Uı	nspecified	N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Tamarack	10	Seedling	9	Black Ash	Medium	Variable	Variable	
	Red Maple	10	Seedling	8	Tag Alder	Low	5 - 10 feet	5 - 10 feet	
	White Spruce	5	Seedling	8	Balsam Fir	Low	Variable	Variable	
	Black Ash	35	Seedling	6 73					
	Balsam Poplar	15	Seedling	7					
No	orthern White Cedar	25	Seedling	6					
74	4119 - Mixed No	orthern Hard	dwoods P	oletimber Mediun	n 5.1 73	1-50	N/A		Hardwood stand on rock. Poor form and low volume. Large Oaks
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	throughout.
	Sugar Maple	20	Sapling	6	Beech	High	Variable	Variable	
	Red Maple	20	Seedling	8	Ironwood	Low	Variable	Variable	
	Red Oak	10		12	Sugar Maple	Low	Variable	Variable	
	Beech	10	Sapling	6		'			<u>-</u>
	Quaking Aspen	10		12					
	Basswood	30	Seedling	6 73					
75	4191 - Mixed Upland Deciduous with Sawtimber Pool		Sawtimber Poor	9.6 105	1-50	N/A		Very rugged. Situated on top of a rock. Low volume due to lack of soil Hemlock on NW hillside.	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Hemlock	30	Sapling	7	Balsam Fir	Medium	Variable	Variable	
	White Pine	10		14	Red Maple	Low	Variable	Variable	
	Red Oak	40		14 105	Ironwood	Low	Variable	Variable	
	Bigtooth Aspen	20		12	Hemlock	Medium	Variable	Variable	
					White Spruce	Low	Variable	Variable	
76	6120 - Lo	wland Ceda	ar	Sawtimber Well	3.9 100		N/A		
	Canopy Species	% Cover	Size Class	DBH Age					
No	orthern White Cedar	100		12 100					
77	6229 - Mixed	Lowland S	hrub	None	1.2		No		
78	6122 - BI	ack Spruce)	Poletimber Well	1.6 95		N/A		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Black Spruce	100	Seedling	6 95	Black Spruce	Low	< 5 feet	< 5 feet	
	·						-		+

Medium

Variable

Variable

White Pine

Report 7 - Stands

DEPARTMENT D	NATURAL PROPERTY OF THE PROPER
JE!	MICHIGAN .

Stan	d Level 4 Co	over Type	S	Size De	nsity	Acres Stand Age BA	A Range	Managed Sit	е	General Comments
79	4130	- Aspen	P	oletimb	er Well	70.7 48	N/A			A few scattered super canopy White Pines. A few Black Ash drainages
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	in stand. Black Ash is dying from EAB. Stand will hold for another ten years, recommend cutting it than.
	Quaking Aspen	35	Seedling	6	48	White Pine	Low	Variable	Variable	, yours, rossimilate surring it trains
	Balsam Fir	10	Sapling	6		Ironwood	Low	Variable	Variable	
	Bigtooth Aspen	35	Seedling	7	48					_
	Red Maple	15	Seedling	6						
	Black Ash	5	Seedling	7						
80	6221	- Fen		Noi	ne	1.5		No		Willow swamp
82	4139 - Aspen, I									
	Canopy Species				er Well	72.3 63 Sub-Canopy Species	Density	N/A Ava. Height	Size	
	Canopy Species Paper Birch		Size Class	DBF	er Well	72.3 63 Sub-Canopy Species Balsam Fir	Density Medium	N/A Avg. Height Variable	Size Variable	
	Paper Birch	% Cover		DB H		Sub-Canopy Species		Avg. Height		
		% Cover		DBF	I Age	Sub-Canopy Species		Avg. Height		
	Paper Birch Quaking Aspen	% Cover 5 35		12 12	I Age	Sub-Canopy Species		Avg. Height		
	Paper Birch Quaking Aspen Balsam Poplar	% Cover 5 35 5		12 12 14	I Age	Sub-Canopy Species		Avg. Height		
	Paper Birch Quaking Aspen Balsam Poplar Red Maple	% Cover 5 35 5 20	Size Class	12 12 14 11	I Age	Sub-Canopy Species		Avg. Height		
	Paper Birch Quaking Aspen Balsam Poplar Red Maple Black Ash	% Cover 5 35 5 20 5	Size Class	12 12 14 11 8	I Age	Sub-Canopy Species		Avg. Height		
	Paper Birch Quaking Aspen Balsam Poplar Red Maple Black Ash Bigtooth Aspen	% Cover 5 35 5 20 5 10	Size Class	12 12 14 11 8 14	I Age	Sub-Canopy Species		Avg. Height		