

## **Compartment Review Presentation**

**Baraga Forest Management Unit** 

Compartment 11053 Entry Year: 2027 Acreage: 936

**County: Houghton** 

Management Area: Houghton Hardwoods

Stand Examiner: Jason Mittlestat

**Legal Description:** 

T52N R36W, Sections 34, and 35.

#### Identified Planning Goals:

Manage for high quality northern hardwoods. Expand mesic conifers within stands that are scheduled for treatment.

#### Soil and topography:

Soils are Munising loamy fine sand, Kalkaska sand, Halfaday sand, and Munising-Skanee complex. Topography is level to slightly rolling. The compartment is level to rolling topography. The only steep terrain is along Bruno Creek and the depression in the north part of the compartment.

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

This is part of a block of state forest land (to the east). The lands to the south, west and north are a mix of small private and forest industry. The land to the east of the campground is part of a plat. Land use is predominantly forest industry, although there are seasonal cottages and one permanent home in the surrounding area.

## **Unique Natural Features:**

There is a deep depression in the northwest corner of section 35. Loon, Bald Eagle and Farwell's water-milfoil have been documented in the compartment.

Potential for osprey, wood turtle, great blue heron rookery, Frigga fritillary, Freija fritillary, red-shouldered hawk, goshawk, moose, and gray wolf.

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

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

#### Watershed and Fisheries Considerations:

This compartment contains Lake Emily, three small unnamed lakes, Bruno Creek, and several unnamed designated trout streams. Maintain a buffer to the high bank of the valley wall along the unnamed designated trout stream that runs through stand 018. Maintain a buffer to the high bank of the valley wall along the unnamed designated trout stream that runs through stand 021. Maintain a buffer to the high bank of the valley wall along the unnamed designated trout stream that connects to Lake Emily and runs through stand 19 and 21.

## Wildlife Habitat Considerations:

Loons are found on Emily Lake. Hard and soft mast in this compartment supports a good bear population. Mesic conifer regeneration is not impacted by deer browsing. Feature oak where present.

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

Surface sediments consist of coarse-textured glacial till. The glacial drift thickness varies between 100 and 400 feet. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. The nearest gravel pit is located one mile to the northwest and potential appears to be good. Abandoned copper mines and crushed basalt piles are located one mile to the northwest. This area was not previously leased for metallic development. There is no economic oil and gas production in the UP.

#### **Vehicle Access:**

Access in good in the west half of the compartment (via county roads). Access east is achieved from the Alston Trail Road (snowmobile trail 109) or from the winter road that borders the south of the compartment.

#### **Survey Needs:**

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

There is a state forest campground on Emily Lake. Snowmobile trail 109 is just north of the compartment boundary.

#### **Fire Protection:**

This is not a fire prone area.

**Site Condition Details** 

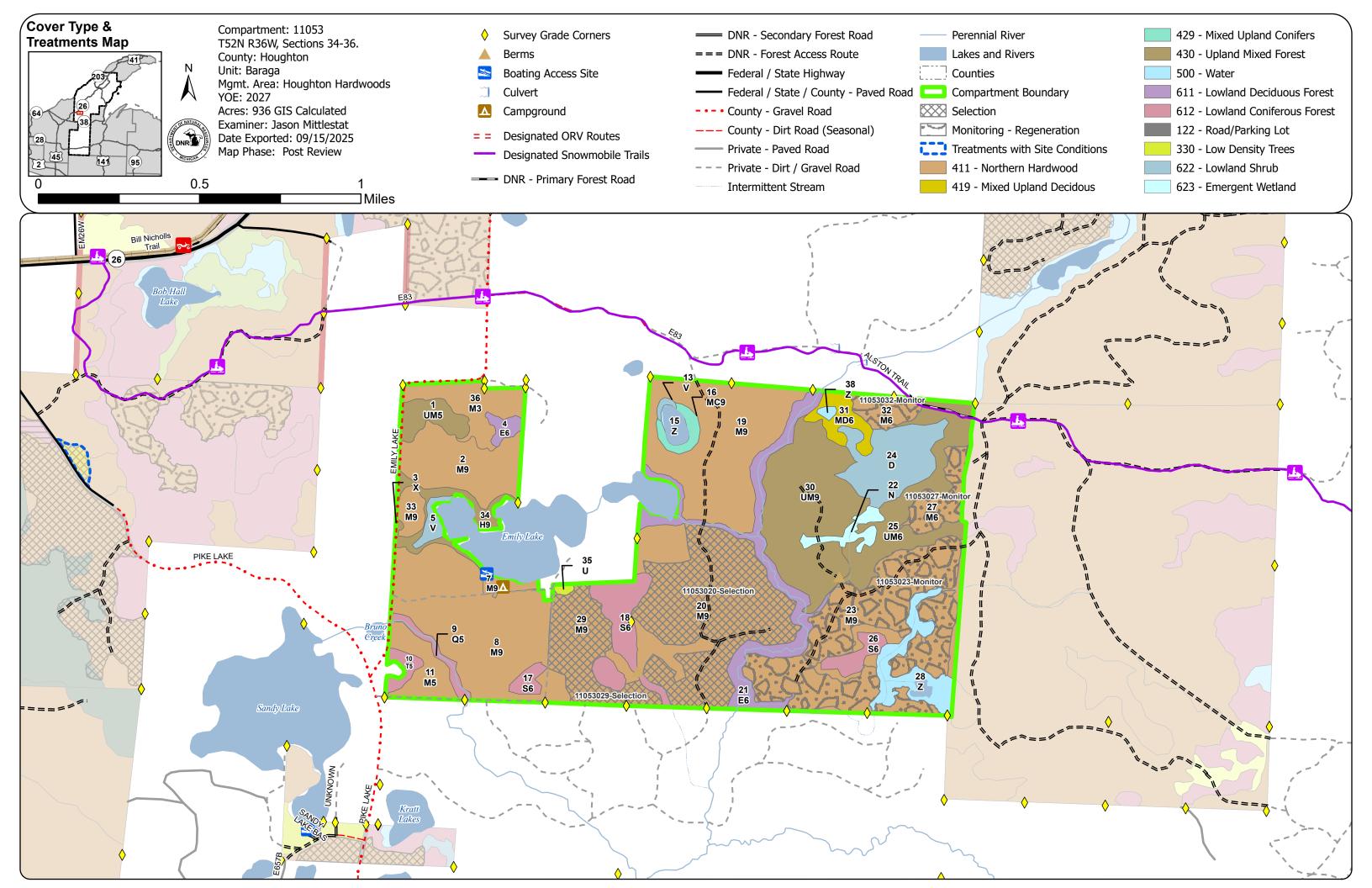
## **Additional Compartment Information:**

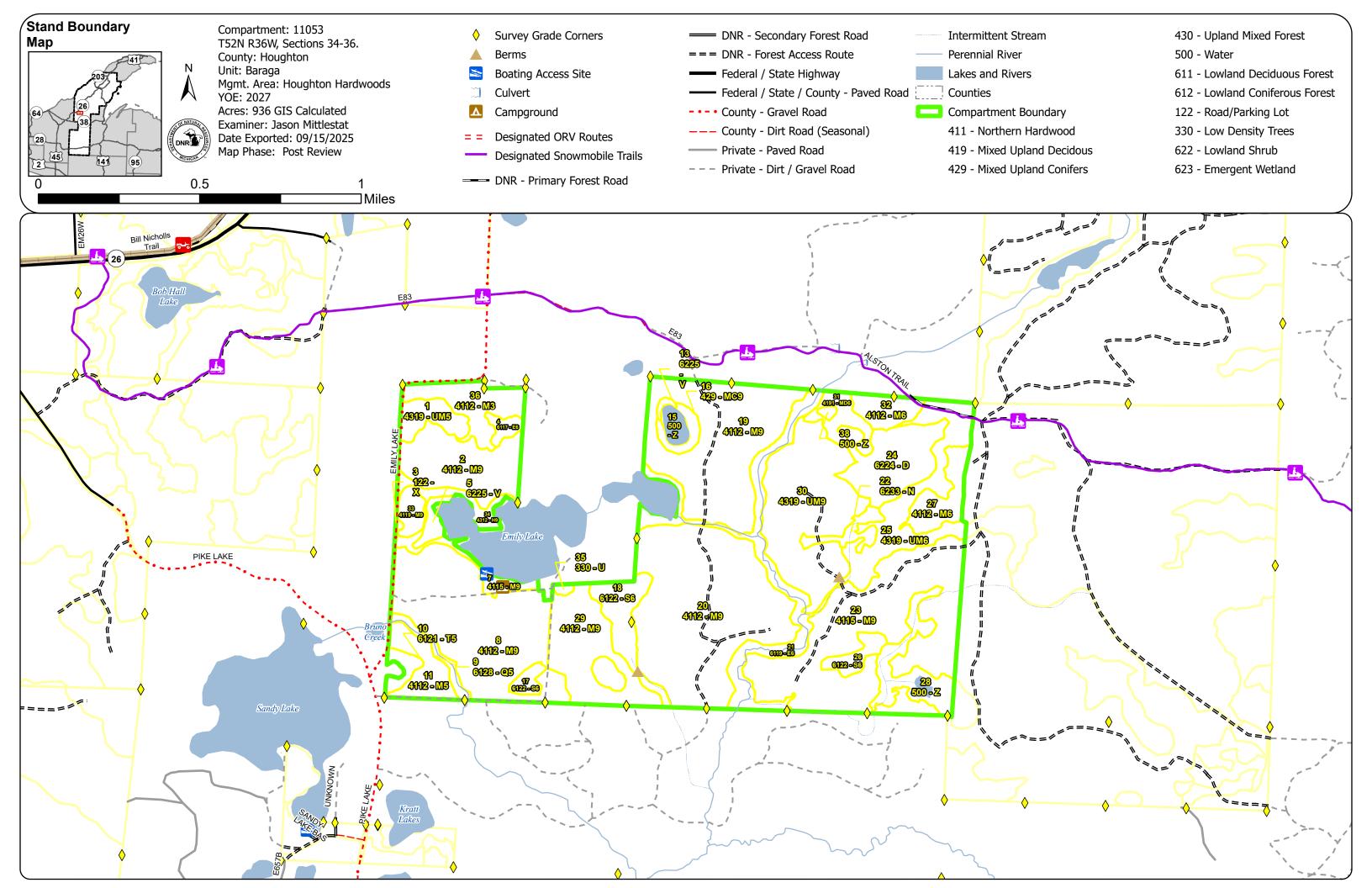
The following reports from the Inventory are attached:

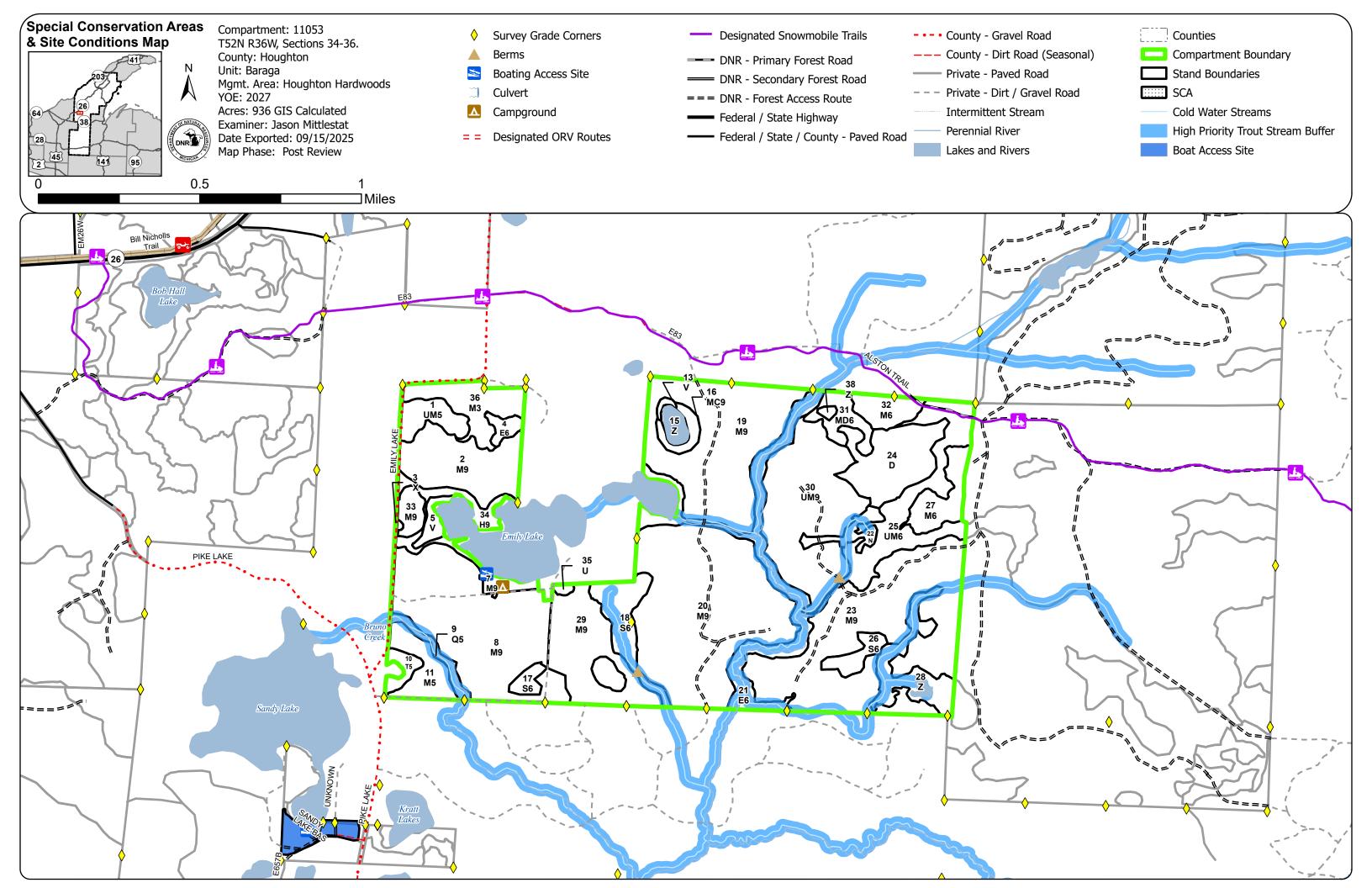
Total Acres by Cover Type and Age Class Cover Type by Harvest Method Proposed Treatments – No Limiting Factors Proposed Treatments – With Limiting Factors Stand Details (Forested and Nonforested) Dedicated and Proposed Special Conservation Areas

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







Baraga Mgt. Unit

Compartment 53 Year of Entry 2027

Jason Mittlestat: Examiner



## Age Class

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	Į sor		8° / §										70,70					Z June	A LOS
Bog	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14
Low-Density Trees	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48	48
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	8	0	4	24	0	0	0	0	0	36
Marsh	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	11
Northern Hardwood	0	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	574	597
Tamarack	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5
Treed Bog	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	120	132
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Total	81	23	0	0	0	0	0	0	0	31	0	4	24	5	0	0	0	768	936



## **Report 2 – Treatment Summary**

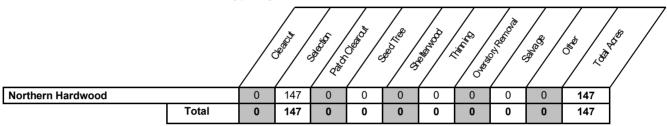
Baraga Mgt. Unit Year of Entry: 2027

#### **Acres of Harvest**

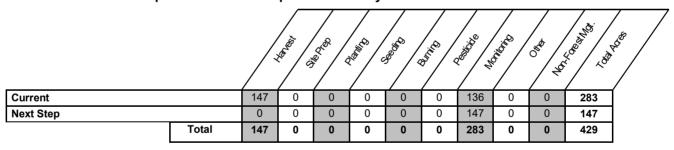
Compartment 53
Total Compartment Acres: 936

Commercial Harvest - 292 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

## **Cover Type by Harvest Method**



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





t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut

# **Approved Treatments:**

s

<u>proved Ti</u>	<u>reatment</u>	<u>s:</u>									
-	053020- election	106.5	4112 - Maple, Beech, Cherry Association	9	119	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
Prescription Specs:			rdwoods to 70-90 sq h in "The Complete M		of basal	area. Fa	or leaving: red o	oak, hemlock, white	e pine and cedar, w	here present.	Follow all
Next Step Treatment		ng, Natura	al Regen (Re-Invento	ry)							
Acceptable Regen:	e Any com	bination o	of the original stand's	over stor	y species	s prior to h	arvest.				
Other Comment:			ItThis compartment on the high bank of the								i.
Site Condi		40/04/00	200								
Proposed	Start Date:	10/01/20	026								
-	053023- Ionitor	108.9	4115 - Y.Birch, Hemlock NH	9	119	81-110	Monitoring	Monitoring - Regeneration	4199 - Other Mixed Upland Deciduous	Current	No
Prescription Specs:	<u>on</u>										
Next Step Treatment	•										
Acceptable Regen:	e Any tree	species t	hat are currently repr	esented in	n the ove	er story.					
Other Comment:		to Treat =	100%								
Site Condi	tion:										
	Start Date:	10/01/20	)24								
	053027- Ionitor	16.0	4112 - Maple, Beech, Cherry Association	6	119	81-110	Monitoring	Monitoring - Regeneration	4199 - Other Mixed Upland Deciduous	Current	No
Prescription Specs:	<u>ın</u>										
Next Step Treatment											
Acceptable Regen:	e Any tree	species t	hat are currently repr	esented i	n the ove	er story.					
Other Comment:		to Treat =	: 100%								

Site Condition:

Proposed Start Date: 10/01/2024

s t		Baraga	a Mgt. Unit		Repoi	rt 3 <sup>·</sup>	Treatments		Compartmer Year of Entry		DNR DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
29	11053029- Selection	40.0	4112 - Maple, Beech, Cherry Association	9	81	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
Pres Spec			rdwoods to 70-90 s h in "The Complete		of basal	I area. Fa	avor leaving: red	oak, hemlock, white	e pine and cedar, v	where present	Follow all
	Step Monito	oring, Natura	al Regen (Re-Inven	tory)							
Acce Rege		ombination o	of the original stand	's over stor	y specie	s prior to	harvest.				
Othe Com	_							akes, and several u d trout stream that r			ıs.
	Condition: osed Start Date	<u>e:</u> 10/01/20	026								
32	11053032- Monitor	11.4	4112 - Maple, Beech, Cherry Association	6	81	81-110	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Current	No
Pres Spec	cription cs:										
Next	<u>Step</u>										

 $\underline{\mbox{Acceptable}}$  Any tree species that are currently represented in the over story.  $\underline{\mbox{Regen:}}$ 

Treatments:

Percent to Treat = 100%

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2024

Total Treatment Acreage Proposed: 282.8

## Report 4 - Site Conditions

Baraga Mgt. Unit

Jason Mittlestat: Examiner

Compartment: 53
Year of Entry: 2027



#### **Availability for Management** Total Acres Acres Avail Acres **Dominant Site Conditions** Available With Condition Not Available 2G 3D Acres Bog Hemlock Low-Density Trees Lowland Conifers **Lowland Deciduous** Lowland Spruce/Fir Marsh Mixed Upland Deciduous Northern Hardwood Tamarack Treed Bog **Upland Conifers Upland Mixed Forest** Urban Water Total Forested Acres 13% 80% 6% 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	2G: Too wet (sensitive soils, does not include access issues)	5	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
(	Comments:						
2	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	12	2F: Too steep	Unspecified	Unspecified	Unspecified
(	Comments:						

# **Report 4 – Site Conditions**



Compartment: 53 Year of Entry: 2027

Baraga Mgt. Unit Jason Mittlestat: Examiner

Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	3J: Water quality/BMPs (stream, river, or lake)	44	2G: Too wet (sensitive soils, does not include access issues)	2F: Too steep	Unspecified	Unspecified
Comments:						
Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	2F: Too steep	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments:						
Unavailable	3J: Water quality/BMPs (stream, river, or lake)	14	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
	Comments:  Unavailable  Comments:  Unavailable  Comments:  Unavailable  Comments:  Unavailable  Comments:	Soils, does not include access issues)  Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Comments:  Unavailable 3J: Water quality/BMPs (stream, river, or lake)  Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Comments:  Unavailable 3J: Water quality/BMPs (stream, river, or lake)  Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)	Soils, does not include access issues)  Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Comments:  Unavailable 3J: Water quality/BMPs (stream, river, or lake)  Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Comments:  Unavailable 3J: Water quality/BMPs 14 (stream, river, or lake)  Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)	Soils, does not include access issues)  Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Comments:  Unavailable 3J: Water quality/BMPs (stream, river, or lake) 44 2G: Too wet (sensitive soils, does not include access issues)  Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Comments:  Unavailable 3J: Water quality/BMPs 14 2F: Too steep (stream, river, or lake)  Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)	Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Comments:  Unavailable 3J: Water quality/BMPs (stream, river, or lake)  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Comments:  Unavailable 3J: Water quality/BMPs (stream, river, or lake)  Comments:  Unavailable 3J: Water quality/BMPs (stream, river, or lake)  Comments:  Unavailable 3J: Water quality/BMPs (stream, river, or lake)  Unavailable 3J: Water quality/BMPs (stream, river, or lake)	Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Comments:  Unavailable 3J: Water quality/BMPs (stream, river, or lake)  Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Comments:  Unavailable 3J: Water quality/BMPs 6 2F: Too steep 3J: Water quality/BMPs (stream, river, or lake)  Comments:  Unavailable 3J: Water quality/BMPs 14 2F: Too steep Unspecified  Comments:  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Unavailable 2G: Too wet (sensitive soils, does not include access issues)  Unavailable 2G: Too wet (sensitive soils, does not include access issues)

# **Report 4 – Site Conditions**

# Baraga Mgt. Unit

Jason Mittlestat: Examiner



10	Unavailable	3D: Recreational/scenic values	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Emily Lake Campo	round.					
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
13	Available	5F: Evaluated for Forest Health Considerations	42	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Jpon field check, s	spruce percentage was reduced	to 25% o	cover. Hemlock was incre	eased to 22%.		

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 C	over Type		Size Density	Acres Stand Age B	A Range	Managed S	ite	General Comments	MICHIGAN :
1	4319 - Mixed	l Upland For	est P	oletimber Medium	n 11.9 89	1-50	N/A	<b>\</b>	2019: Gawk Mix, cut 2019-19.	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size		
	White Pine	5		16	Yellow Birch	Low	10 - 20 feet	10 - 20 feet		
	Yellow Birch	10	Log	1 7	Red Maple	Low	10 - 20 feet	10 - 20 feet		
	Red Maple	23	Log	1 7	Balsam Fir	Low	10 - 20 feet	10 - 20 feet		
	Bigtooth Aspen	15	Log	1 7	Red Oak	Low	5 - 10 feet	5 - 10 feet		
	Red Oak	2		16	Hemlock	Low	10 - 20 feet	10 - 20 feet		
	White Spruce	15	Log	1 7						
	Hemlock	30		16 89						
2	4112 - Maple, Beed	ch, Cherry A	ssociation	Sawtimber Well	40.2 79	81-110	N/A	\	Thinned 1997 - Almost Done HDWD	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	2019: Gawk Mix, cut in 2018-19.	
	Yellow Birch	2	Seedling	8	Hemlock	Low	10 - 20 feet	10 - 20 feet		
	Sugar Maple	50		10 79	Sugar Maple	Low	5 - 10 feet	5 - 10 feet		
	Red Maple	33		9 55	Red Maple	Low	10 - 20 feet	10 - 20 feet		
	Red Oak	5		16	Balsam Fir	Medium	10 - 20 feet	10 - 20 feet		
	Hemlock	10		16						
3	122 - Road	d/Parking Lo	ot	None	2.4		No			
4	6117 - Lowland Con	iferous	IVIIXEd	Poletimber Well	4.2 74	111-140	N/A	1		
	Canopy Species									
			Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size		
	Black Ash	10	Size Class Seedling	9	Balsam Fir	<b>Density</b> Full	10 - 20 feet	10 - 20 feet		
	Red Maple	10 45		9 12 74	Balsam Fir Black Ash		10 - 20 feet 10 - 20 feet	10 - 20 feet 10 - 20 feet		
	Red Maple Black Spruce	10 45 8		9 12 74 6	Balsam Fir Black Ash Northern White Cedar	Full Low Low	10 - 20 feet 10 - 20 feet 5 - 10 feet	10 - 20 feet 10 - 20 feet 5 - 10 feet		
	Red Maple Black Spruce Hemlock	10 45 8 30	Seedling	9 12 74 6 12 120	Balsam Fir Black Ash	Full Low	10 - 20 feet 10 - 20 feet	10 - 20 feet 10 - 20 feet		
	Red Maple Black Spruce	10 45 8	Seedling	9 12 74 6	Balsam Fir Black Ash Northern White Cedar	Full Low Low	10 - 20 feet 10 - 20 feet 5 - 10 feet	10 - 20 feet 10 - 20 feet 5 - 10 feet		
	Red Maple Black Spruce Hemlock	10 45 8 30	Seedling	9 12 74 6 12 120	Balsam Fir Black Ash Northern White Cedar	Full Low Low	10 - 20 feet 10 - 20 feet 5 - 10 feet	10 - 20 feet 10 - 20 feet 5 - 10 feet		
5	Red Maple Black Spruce Hemlock White Pine Yellow Birch	10 45 8 30 2	Seedling Seedling	9 12 74 6 12 120 18	Balsam Fir Black Ash Northern White Cedar	Full Low Low	10 - 20 feet 10 - 20 feet 5 - 10 feet	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable		
5 7	Red Maple Black Spruce Hemlock White Pine Yellow Birch	10 45 8 30 2 5 5 - Bog	Seedling Seedling Seedling	9 12 74 6 12 120 18 9	Balsam Fir Black Ash Northern White Cedar Hemlock	Full Low Low	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable	Emily Lk SFCG - Cut in 2008	
	Red Maple Black Spruce Hemlock White Pine Yellow Birch	10   45   8   30   2   5   5 - Bog	Seedling Seedling Seedling	9 12 74 6 12 120 18 9 None	Balsam Fir Black Ash Northern White Cedar Hemlock	Full Low Low Full	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable	Emily Lk SFCG - Cut in 2008	
	Red Maple Black Spruce Hemlock White Pine Yellow Birch 6225	10   45   8   30   2   5   5 - Bog	Seedling Seedling Seedling	9	Balsam Fir Black Ash Northern White Cedar Hemlock  5.0  4.9  119	Full Low Low Full	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable No	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable	Emily Lk SFCG - Cut in 2008	
	Red Maple Black Spruce Hemlock White Pine Yellow Birch  6225 4115 - Y.Biro Canopy Species	10   45   8   30   2   5   5 - Bog	Seedling Seedling Seedling	9	Balsam Fir Black Ash Northern White Cedar Hemlock  5.0  4.9 119  Sub-Canopy Species	Full Low Low Full  111-140 Density	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable  No  N/A  Avg. Height	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable	Emily Lk SFCG - Cut in 2008	
	Red Maple Black Spruce Hemlock White Pine Yellow Birch  6225  4115 - Y.Birc  Canopy Species White Pine	10   45   8   30   2   5   5   5   5   6   K   Cover   5	Seedling Seedling Seedling	9	Balsam Fir Black Ash Northern White Cedar Hemlock  5.0  4.9 119  Sub-Canopy Species Hemlock	Full Low Low Full  111-140 Density Medium	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable  No  N/A  Avg. Height 10 - 20 feet	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable  Size 10 - 20 feet	Emily Lk SFCG - Cut in 2008	
	Red Maple Black Spruce Hemlock White Pine Yellow Birch  6225  4115 - Y.Birc  Canopy Species White Pine Yellow Birch	10   45   8   30   2   5   5   5   6   Formula   5   15   15   15   15   15   15   15	Seedling Seedling Seedling	9	Balsam Fir Black Ash Northern White Cedar Hemlock  5.0  4.9 119  Sub-Canopy Species Hemlock Balsam Fir	Full Low Low Full  111-140 Density Medium Medium	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable  No  N/A  Avg. Height 10 - 20 feet 10 - 20 feet	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable Size 10 - 20 feet 10 - 20 feet	Emily Lk SFCG - Cut in 2008	
	Red Maple Black Spruce Hemlock White Pine Yellow Birch 6228 4115 - Y.Birch Canopy Species White Pine Yellow Birch Sugar Maple	10   45   8   30   2   5   5   5   6   6   6   6   6   6   6	Seedling Seedling Seedling	9	Balsam Fir Black Ash Northern White Cedar Hemlock  5.0  4.9 119  Sub-Canopy Species Hemlock Balsam Fir Sugar Maple	Full Low Low Full  111-140  Density Medium Medium High	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable  No  N/A  Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet	10 - 20 feet 10 - 20 feet 5 - 10 feet Variable  Size 10 - 20 feet 10 - 20 feet 10 - 20 feet	Emily Lk SFCG - Cut in 2008	



Otan	d Level 4 Co	over Type		Size De	nsity	Acres Stand Age I	BA Range	Managed S	ite	General Comments
8	4112 - Maple, Beed	h, Cherry A	ssociation	Sawtimb	er Well	98.6 119	81-110	N/A	<b>.</b>	Summer 2016 blow down event. Timber salvage activities took place
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	during the summer of 2016 in the north part of the stand and througho the campground.
	Sugar Maple	40		10	55	Hemlock	Full	10 - 20 feet	10 - 20 feet	
	Red Maple	50		10	119	Balsam Fir	Full	10 - 20 feet	10 - 20 feet	Cut in 2008
	Yellow Birch	5		10		Sugar Maple	Full	5 - 10 feet	5 - 10 feet	Not ready in 2024, Look to maybe harvest part of the stand in 2037?
	Hemlock	5		16		Red Maple	Full	10 - 20 feet	10 - 20 feet	, 1001,000, 111,000, 11,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 110,000, 1
						Yellow Birch	Medium	10 - 20 feet	10 - 20 feet	
9	6128 - Lowland Dec	Coniferous, duous	Mixed Po	oletimbe	Medium	5.6 80 U	Jnspecified	N/A	1	Wet drainage.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Yellow Birch	5	Seedling	5		Red Maple	Full	Variable	Variable	
	Red Maple	35	Seedling	6	80	Balsam Fir	Full	10 - 20 feet	10 - 20 feet	
	Balsam Fir	10	Seedling	5	55	Northern White Cedar	Low	>20 feet	>20 feet	
	White Pine	1		18		Hemlock	Medium	Variable	Variable	
	White Spruce	8	Seedling	7						
Ν	orthern White Cedar	1	Seedling	8						
	Hemlock	40	Seedling	6	80					
10	6121	Tamarack	Po	oletimbe	Medium	5.3 127	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBF	Age	Sub-Canopy Species	Density	Avg. Height	Size	
	White Pine	5	C = = =  :===	9		Tamarack	Low	10 - 20 feet	10 - 20 feet	
			Seedling	9		Tallialack	LOW			
	Tamarack	65	Seedling	9	127	Red Maple	Low	5 - 10 feet	5 - 10 feet	
	Black Spruce				127			5 - 10 feet 5 - 10 feet	5 - 10 feet 5 - 10 feet	
11		65 30	Seedling Seedling	9		Red Maple Black Spruce	Low		5 - 10 feet	cut in 2008. Blowdown event in 2016 and salvaged. Most likely will no
11	Black Spruce	65 30 h, Cherry A	Seedling Seedling	9 7 oletimber		Red Maple Black Spruce	Low Low	5 - 10 feet	5 - 10 feet	cut in 2008. Blowdown event in 2016 and salvaged. Most likely will not be ready for harvest until 2057. Low stocking of merchantable timber.
11	Black Spruce 4112 - Maple, Beec	65 30 h, Cherry A	Seedling Seedling Seedling	9 7 oletimber	Medium	Red Maple Black Spruce 16.4 119	Low Low	5 - 10 feet N/A	5 - 10 feet	
11	Black Spruce 4112 - Maple, Beec	65 30 h, Cherry A	Seedling Seedling Seedling	9 7 oletimber	Medium	Red Maple Black Spruce 16.4 119 Sub-Canopy Species	Low Low 51-80 Density	5 - 10 feet N/A Avg. Height	5 - 10 feet Size	
11	Black Spruce 4112 - Maple, Beec Canopy Species Yellow Birch	65 30 h, Cherry A <b>Cover</b>	Seedling Seedling Seedling	9 7 oletimber DBH	Medium	Red Maple Black Spruce  16.4 119  Sub-Canopy Species Balsam Fir	Low Low 51-80  Density Medium	5 - 10 feet N/A Avg. Height 10 - 20 feet	5 - 10 feet  Size  10 - 20 feet	
11	Black Spruce 4112 - Maple, Beeccanopy Species Yellow Birch White Pine	65 30 h, Cherry A <b>Cover</b> 12 2	Seedling Seedling Seedling	9 7 oletimber DBH 10 10	Medium	Red Maple Black Spruce  16.4 119  Sub-Canopy Species Balsam Fir Sugar Maple	Low Low 51-80 Density Medium Full	5 - 10 feet N/A Avg. Height 10 - 20 feet 10 - 20 feet	5 - 10 feet  Size  10 - 20 feet  10 - 20 feet	
11	Black Spruce 4112 - Maple, Beecce Canopy Species Yellow Birch White Pine Hemlock	65 30 h, Cherry A % Cover 12 2 2	Seedling Seedling Seedling	9 7 oletimber DBH 10 10	Medium Age	Red Maple Black Spruce  16.4 119  Sub-Canopy Species Balsam Fir Sugar Maple Red Maple	51-80  Density  Medium  Full  Medium	5 - 10 feet N/A Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet	Size 10 - 20 feet 10 - 20 feet 10 - 20 feet	
11	Black Spruce  4112 - Maple, Beece Canopy Species Yellow Birch White Pine Hemlock Sugar Maple	65 30 h, Cherry A % Cover 12 2 2 35	Seedling Seedling Seedling	9 7 oletimber DBH 10 10 14 10	Age 55	Red Maple Black Spruce  16.4 119  Sub-Canopy Species Balsam Fir Sugar Maple Red Maple Hemlock	51-80 S Density Medium Full Medium Medium Medium	5 - 10 feet  N/A  Avg. Height  10 - 20 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet	Size 10 - 20 feet	
11	Black Spruce  4112 - Maple, Beece Canopy Species Yellow Birch White Pine Hemlock Sugar Maple Red Maple	65 30 h, Cherry A % Cover 12 2 2 35 45	Seedling Seedling Seedling	9 7  oletimber  DBH 10 10 14 10 10	Age 55	Red Maple Black Spruce  16.4 119  Sub-Canopy Species Balsam Fir Sugar Maple Red Maple Hemlock	51-80 S Density Medium Full Medium Medium Medium	5 - 10 feet  N/A  Avg. Height  10 - 20 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet	Size 10 - 20 feet	
11	Black Spruce  4112 - Maple, Beece Canopy Species Yellow Birch White Pine Hemlock Sugar Maple Red Maple Paper Birch Bigtooth Aspen	65 30 h, Cherry A % Cover 12 2 2 35 45 2	Seedling Seedling Seedling	9 7 oletimber 10 10 14 10 10 10	<b>Age</b> 55 119	Red Maple Black Spruce  16.4 119  Sub-Canopy Species Balsam Fir Sugar Maple Red Maple Hemlock	51-80 S Density Medium Full Medium Medium Medium	5 - 10 feet  N/A  Avg. Height  10 - 20 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet	Size 10 - 20 feet	

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Stand	Level 4 Co	over Type		Size Density	Acres Stand Age B	A Range	Managed S	ite	General Comments
16	429 - Mixed U	Jpland Con	ifers	Sawtimber Well	5.5 119	111-140	N/A	A	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Balsam Fir	5	Seedling	8	Balsam Fir	Medium	5 - 10 feet	5 - 10 feet	
	White Pine	50		20 119	Red Maple	Low	10 - 20 feet	10 - 20 feet	
	Red Maple	5	Seedling	9	Hemlock	Medium	10 - 20 feet	10 - 20 feet	*
	White Spruce	10		16					•
	Hemlock	30		20 55					
17	6122 - BI	ack Spruce		Poletimber Well	4.4 104	111-140	N/A	4	WET WET
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Black Spruce	50	Seedling	9 104	Hemlock	Low	>20 feet	>20 feet	
	Hemlock	10		15	Red Maple	Low	>20 feet	>20 feet	
	White Pine	30		18					•
	Red Maple	10	Seedling	9					
18	6122 - BI	ack Spruce		Poletimber Well	24.1 119	81-110	N/A	4	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Red Maple	16	Seedling	8	Sugar Maple	Low	5 - 10 feet	5 - 10 feet	
	White Pine	5		14	Red Maple	Low	5 - 10 feet	5 - 10 feet	
	Balsam Fir	10	Seedling	7	Balsam Fir	High	5 - 10 feet	5 - 10 feet	
	Tamarack	2		9	White Spruce	Medium	5 - 10 feet	5 - 10 feet	
	Yellow Birch	2	Seedling	8	Hemlock	Low	5 - 10 feet	5 - 10 feet	
	Black Spruce	58	Seedling	8 119					
No	rthern White Cedar	2		12					
	Hemlock	5		10					
19	4112 - Maple, Beec	h, Cherry A	ssociation	Sawtimber Well	86.2 119	51-80	N/A	4	Thinned by Lindsay Nettell for Besse during the winter of 2020/21. Two Lakes Hardwoods 11-013-17.
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	Lancs Haluwoous 11-013-17.
	Yellow Birch	5		12	Sugar Maple	Full	Variable	Variable	
	Red Oak	5		16	Yellow Birch	Low	10 - 20 feet	10 - 20 feet	
	Hemlock	5		18	Hemlock	Low	10 - 20 feet	10 - 20 feet	
	Basswood	3		16	Balsam Fir	Low	10 - 20 feet	10 - 20 feet	
	Sugar Maple	50		14 119					
	Red Maple	30		10 55					

Black Cherry

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12

Compartment: 53 Year of Entry: 2027 DNR DNR

Stand	Level 4 Co	ver Type		Size De	nsity	Acres Stand A	ge BA Range	Managed 9	Site	General Comments
20	4112 - Maple, Beecl	h, Cherry A	Association	Sawtimb	er Wel	l 129.0 119	111-140	N/.	Α	Cut in 2008.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Spe	cies Density	Avg. Height	Size	
	Yellow Birch	2		11		Balsam Fir	High	10 - 20 feet	10 - 20 feet	
	Black Cherry	3		10		Sugar Maple	Full	Variable	Variable	
	Sugar Maple	58		11	119	Red Maple	Full	Variable	Variable	
	Red Maple	35		11		Ironwood	Full	10 - 20 feet	10 - 20 feet	
	Hemlock	2		14		Hemlock	Medium	10 - 20 feet	10 - 20 feet	
21	6119 - Mixed Lowla	nd Decidud	ous Forest	Poletimb	er Wel	I 44.0 119	Unspecified	N/.	Α	Stand is both: upland and lowland because it includes the side slopes to
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Spe	cies Density	Avg. Height	Size	the drain which are upland and the bottom with the drain in it which is lowland. Few supercanopy W Pine in the stand.
	Balsam Fir	7	Seedling	9		Balsam Fir	Medium	Variable	Variable	Townand. Tow supersanopy WT me in the stand.
	White Spruce	5		20		Yellow Birch	Medium	Variable	Variable	
	Hemlock	3		20		White Spruce	Low	Variable	Variable	
	Yellow Birch	30	Seedling	9	55	Hemlock	Low	Variable	Variable	
	Sugar Maple	10		18		Sugar Maple	Medium	Variable	Variable	
	Red Maple	40		14	119	Red Maple	Medium	Variable	Variable	
	Bigtooth Aspen	5		18		·				1
22	6233 - We	et Meadow	1	Nor	ie.	7.6		Ne	0	
22	0200			1101		1.0				
23	4115 - Y.Birch									
	4110 1.Biloi	n, Hemlock	NH	Sawtimb	er Wel	l 121.6 119	81-110	N/	Ά	Cut in 1998. Areas with low ba's (due to aspen removal) may be
	Canopy Species		Size Class		er Wel <b>Age</b>	121.6 119 <b>Sub-Canopy Spe</b>		Avg. Height	Size	Cut in 1998. Areas with low ba's (due to aspen removal) may be excluded from sale. Lots of wet areas.
										excluded from sale. Lots of wet areas.  Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part
	Canopy Species	% Cover		DBH		Sub-Canopy Spe	ecies Density	Avg. Height	Size	excluded from sale. Lots of wet areas.
	Canopy Species White Pine	% Cover		<b>DBH</b>		Sub-Canopy Spe White Pine	Density High	Avg. Height 5 - 10 feet	Size 5 - 10 feet	excluded from sale. Lots of wet areas.  Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part
	Canopy Species White Pine Black Cherry	<b>% Cover</b> 1 2		18 10		Sub-Canopy Spe White Pine Sugar Maple	Pecies Density High Full	Avg. Height 5 - 10 feet Variable	Size 5 - 10 feet Variable	excluded from sale. Lots of wet areas.  Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part
	Canopy Species White Pine Black Cherry Hemlock	% Cover 1 2 15		<b>DBH</b> 18 10 16		Sub-Canopy Spe White Pine Sugar Maple Red Maple	Pecies Density High Full Full Full	Avg. Height 5 - 10 feet Variable Variable	Size 5 - 10 feet Variable Variable	excluded from sale. Lots of wet areas.  Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part
	Canopy Species White Pine Black Cherry Hemlock Yellow Birch	% Cover 1 2 15 20		18 10 16 12	Age	Sub-Canopy Spe White Pine Sugar Maple Red Maple Balsam Fir	Pecies Density High Full Full Full	Avg. Height 5 - 10 feet Variable Variable 5 - 10 feet	Size 5 - 10 feet Variable Variable 5 - 10 feet	excluded from sale. Lots of wet areas.  Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part
24	Canopy Species White Pine Black Cherry Hemlock Yellow Birch Sugar Maple Red Maple	% Cover 1 2 15 20 28		DBH 18 10 16 12 10	<b>Age</b> 55 119	Sub-Canopy Spe White Pine Sugar Maple Red Maple Balsam Fir White Spruce	High Full Full Medium	Avg. Height 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet	Size 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet	excluded from sale. Lots of wet areas.  Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part
	Canopy Species White Pine Black Cherry Hemlock Yellow Birch Sugar Maple Red Maple	% Cover	Size Class	18 10 16 12 10 12	55 119	Sub-Canopy Spe White Pine Sugar Maple Red Maple Balsam Fir White Spruce Hemlock	High Full Full Medium	Avg. Height 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet	Size 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet	excluded from sale. Lots of wet areas.  Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part
24	Canopy Species White Pine Black Cherry Hemlock Yellow Birch Sugar Maple Red Maple	% Cover	Size Class	18	55 119	Sub-Canopy Spe White Pine Sugar Maple Red Maple Balsam Fir White Spruce Hemlock 34.8	Pocies Density High Full Full Medium Medium 111-140	Avg. Height 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet No	Size 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet	excluded from sale. Lots of wet areas.  Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part of 11-021-21 Maverick 21.
24	Canopy Species White Pine Black Cherry Hemlock Yellow Birch Sugar Maple Red Maple 6224 - T	% Cover	Size Class	18	55 119	Sub-Canopy Spe White Pine Sugar Maple Red Maple Balsam Fir White Spruce Hemlock	Pocies Density High Full Full Medium Medium 111-140	Avg. Height 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet No	Size 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet 7 - 10 feet 7 - 10 feet 8 - 10 feet	excluded from sale. Lots of wet areas.  Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part of 11-021-21 Maverick 21.
24	Canopy Species White Pine Black Cherry Hemlock Yellow Birch Sugar Maple Red Maple 6224 - T 4319 - Mixed Canopy Species	% Cover	Size Class	18	55 119 de er Wel	Sub-Canopy Spe White Pine Sugar Maple Red Maple Balsam Fir White Spruce Hemlock  34.8  42.5 83  Sub-Canopy Spe	Pecies Density High Full Full Medium Medium  111-140 Pecies Density	Avg. Height 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet No	Size 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet 6 - 10 feet	excluded from sale. Lots of wet areas.  Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part of 11-021-21 Maverick 21.
24	Canopy Species White Pine Black Cherry Hemlock Yellow Birch Sugar Maple Red Maple 6224 - T 4319 - Mixed Canopy Species White Spruce	% Cover	Size Class	18	55 119 de er Wel	Sub-Canopy Special White Pine Sugar Maple Red Maple Balsam Fir White Spruce Hemlock  34.8  42.5 83  Sub-Canopy Special Sub-Canopy Special Sugar Maple	High Full Full Medium Medium  111-140 Pocies Density Low Low	Avg. Height 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet No	Size	excluded from sale. Lots of wet areas.  Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part of 11-021-21 Maverick 21.
24	Canopy Species White Pine Black Cherry Hemlock Yellow Birch Sugar Maple Red Maple  6224 - T  4319 - Mixed  Canopy Species White Spruce Black Spruce Hemlock	% Cover	Size Class	18	55 119 de er Wel	Sub-Canopy Spe White Pine Sugar Maple Red Maple Balsam Fir White Spruce Hemlock  34.8  42.5 83  Sub-Canopy Spe Yellow Birch	High Full Full Medium Medium  111-140  Pocies Density Low Low	Avg. Height 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet No N/ Avg. Height 10 - 20 feet 10 - 20 feet	Size 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet 6 - 10 feet 10 - 20 feet 10 - 20 feet	excluded from sale. Lots of wet areas.  Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part of 11-021-21 Maverick 21.
24	Canopy Species White Pine Black Cherry Hemlock Yellow Birch Sugar Maple Red Maple 6224 - T  4319 - Mixed Canopy Species White Spruce Black Spruce Hemlock Quaking Aspen	% Cover	Size Class	18	55 119 eer Wel Age 83	Sub-Canopy Special White Pine Sugar Maple Red Maple Balsam Fir White Spruce Hemlock  34.8  42.5 83  Sub-Canopy Special Sub-Canopy Special Sugar Maple	High Full Full Medium Medium  111-140  Pocies Density Low Low	Avg. Height 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet No N/ Avg. Height 10 - 20 feet 10 - 20 feet	Size 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet 6 - 10 feet 10 - 20 feet 10 - 20 feet	excluded from sale. Lots of wet areas.  Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part of 11-021-21 Maverick 21.
24	Canopy Species White Pine Black Cherry Hemlock Yellow Birch Sugar Maple Red Maple  6224 - T  4319 - Mixed  Canopy Species White Spruce Black Spruce Hemlock	% Cover	Size Class	18	55 119 eer Wel Age 83	Sub-Canopy Special White Pine Sugar Maple Red Maple Balsam Fir White Spruce Hemlock  34.8  42.5 83  Sub-Canopy Special Sub-Canopy Special Sugar Maple	High Full Full Medium Medium  111-140  Pocies Density Low Low	Avg. Height 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet No N/ Avg. Height 10 - 20 feet 10 - 20 feet	Size 5 - 10 feet Variable Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet 6 - 10 feet 10 - 20 feet 10 - 20 feet	excluded from sale. Lots of wet areas.  Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part of 11-021-21 Maverick 21.

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/	OF NATURA	\
		18
EPAR	DNR	
6	MICHIGAN	//

Stand	d Level 4 Cover Type			Size Density	Acres	Stand Age B	A Range	Managed S	ite	General Comments
26	6122 - Black Spruce			Poletimber Well	7.6	88	111-140	N/A	<b>\</b>	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Black Spruce	90	Seedling	8 88	Blac	k Spruce	Low	10 - 20 feet	10 - 20 feet	
	Tamarack	2		11	Не	emlock	Low	>20 feet	>20 feet	
	White Pine	8		11	Red	d Maple	Low	10 - 20 feet	10 - 20 feet	
27	4112 - Maple, Beed	ch, Cherry A	ssociation	Poletimber Well	16.2	119	81-110	N/A	١	Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	OF TI-021-21 Wavenck 21.
	White Spruce	2		10	He	emlock	Low	>20 feet	>20 feet	
	Hemlock	2		12	Sug	ar Maple	Medium	10 - 20 feet	10 - 20 feet	
	Sugar Maple	46	Seedling	9 119	Bal	lsam Fir	Low	10 - 20 feet	10 - 20 feet	
	Red Maple	40	Seedling	8 55						
	Yellow Birch	10	Seedling	6						
	500	- Water		None	22.6			No		
28	500 -	· water		None	22.0			140		
28	4112 - Maple, Beec		Association	Sawtimber Well	42.7		111-140	N/A		Cut in 2008.Emily Lake Hdwd.
	4112 - Maple, Beec	ch, Cherry A	Association Size Class	Sawtimber Well  DBH Age	42.7 Sub-Car	nopy Species	Density	N/A Avg. Height	Size	Cut in 2008.Emily Lake Hdwd.  Looked at in summer 2024 and is ready for harvest.
	4112 - Maple, Beec Canopy Species White Pine	ch, Cherry A  % Cover		Sawtimber Well  DBH Age	42.7  Sub-Car  Sug	nopy Species ar Maple	<b>Density</b> Full	N/A Avg. Height 10 - 20 feet	<b>Size</b> 10 - 20 feet	7
	4112 - Maple, Beec Canopy Species White Pine Black Cherry	% Cover		Sawtimber Well  DBH Age  18  8	42.7 Sub-Car Sug	nopy Species ar Maple d Maple	Density Full Full	N/A  Avg. Height  10 - 20 feet  10 - 20 feet	<b>Size</b> 10 - 20 feet 10 - 20 feet	7
	4112 - Maple, Beec Canopy Species White Pine	% Cover		Sawtimber Well  DBH Age  18  8  8	42.7 Sub-Car Sug	nopy Species ar Maple	Pull Full Medium	N/A  Avg. Height  10 - 20 feet  10 - 20 feet  10 - 20 feet	Size 10 - 20 feet 10 - 20 feet 10 - 20 feet	7
	4112 - Maple, Beec Canopy Species White Pine Black Cherry Yellow Birch Hemlock	% Cover 3 2 2 5		Sawtimber Well  DBH Age  18  8  8  14	42.7 Sub-Car Sug. Rec Yello	nopy Species ar Maple d Maple ow Birch	Full Medium Full	N/A  Avg. Height  10 - 20 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet	Size 10 - 20 feet	7
	4112 - Maple, Beec Canopy Species White Pine Black Cherry Yellow Birch Hemlock Sugar Maple	% Cover 3 2 2 5 60		Sawtimber Well    DBH Age	42.7  Sub-Car  Sug- Rec  Yello	nopy Species ar Maple d Maple ow Birch nwood	Full Full Medium Full Medium	N/A  Avg. Height  10 - 20 feet	Size 10 - 20 feet	7
	4112 - Maple, Beec Canopy Species White Pine Black Cherry Yellow Birch Hemlock	% Cover 3 2 2 5		Sawtimber Well  DBH Age  18  8  8  14	42.7  Sub-Car  Sug- Rec  Yello	nopy Species ar Maple d Maple ow Birch	Full Medium Full	N/A  Avg. Height  10 - 20 feet  10 - 20 feet  10 - 20 feet  10 - 20 feet	Size 10 - 20 feet	7
	4112 - Maple, Beeco Canopy Species White Pine Black Cherry Yellow Birch Hemlock Sugar Maple Red Maple	% Cover 3 2 2 5 60 28	Size Class	Sawtimber Well  DBH Age  18  8  8  14  14  14  Sawtimber Well	42.7  Sub-Car  Sug: Rec  Yelli Iro  Bal  He	nopy Species ar Maple d Maple ow Birch onwood lsam Fir emlock	Full Full Medium Full Medium	N/A  Avg. Height  10 - 20 feet  N/A	Size  10 - 20 feet	Looked at in summer 2024 and is ready for harvest.  Stand has lots of softwood coming in. There are 3 patches of ok
29	4112 - Maple, Beece Canopy Species White Pine Black Cherry Yellow Birch Hemlock Sugar Maple Red Maple	% Cover 3 2 2 5 60 28 Upland Fo	Size Class	Sawtimber Well  DBH Age  18  8  8  14  14  14  81  14  Sawtimber Well  DBH Age	42.7  Sub-Car  Sug- Rec  Yello Iro  Bal He  77.0  Sub-Car	nopy Species ar Maple d Maple ow Birch onwood lsam Fir emlock 119 nopy Species	Pensity Full Full Medium Full Medium Medium Medium Medium Medium	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height	Size  10 - 20 feet	Looked at in summer 2024 and is ready for harvest.
29	4112 - Maple, Beece Canopy Species White Pine Black Cherry Yellow Birch Hemlock Sugar Maple Red Maple  4319 - Mixed Canopy Species White Spruce	% Cover 3 2 2 5 60 28 Upland Fo % Cover 10	Size Class	Sawtimber Well  DBH Age  18  8  8  14  14  14  81  14  Sawtimber Well  DBH Age  8	42.7  Sub-Car  Sug- Rec  Yello Iro  Bal  He  77.0  Sub-Car	nopy Species ar Maple d Maple ow Birch nwood lsam Fir emlock 119 nopy Species nite Pine	Pensity Full Full Medium Full Medium Medium Medium Medium High	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  5 - 10 feet	Size  10 - 20 feet  5 - 10 feet	Stand has lots of softwood coming in. There are 3 patches of ok hardwoods in the northern part, about 3 or 4 acres each. DBH is on average 10-12". Probably will not be ready to be treated until 2037 or 2047.Cut in 1998. Areas with low ba's (due to aspen removal). Lots
29	4112 - Maple, Beeco Canopy Species White Pine Black Cherry Yellow Birch Hemlock Sugar Maple Red Maple 4319 - Mixed Canopy Species White Spruce Hemlock	% Cover 3 2 2 5 60 28 Upland Fo % Cover 10 25	Size Class rest Size Class	Sawtimber Well    DBH Age	42.7  Sub-Car  Sug- Rec  Yello Iro  Bal  He  77.0  Sub-Car	nopy Species ar Maple d Maple ow Birch onwood lsam Fir emlock 119 nopy Species	Pensity Full Full Medium Full Medium Medium Medium Medium Medium	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  5 - 10 feet  5 - 10 feet	Size  10 - 20 feet  5 - 10 feet  10 - 20 feet	Stand has lots of softwood coming in. There are 3 patches of ok hardwoods in the northern part, about 3 or 4 acres each. DBH is on average 10-12". Probably will not be ready to be treated until 2037 or
29	4112 - Maple, Beece Canopy Species White Pine Black Cherry Yellow Birch Hemlock Sugar Maple Red Maple  4319 - Mixed Canopy Species White Spruce	% Cover 3 2 2 5 60 28 Upland Fo % Cover 10	Size Class rest Size Class	Sawtimber Well  DBH Age  18  8  8  14  14  14  81  14  Sawtimber Well  DBH Age  8	42.7  Sub-Car  Sugg Rec  Yello  Iro  Bal  He  77.0  Sub-Car  Wh  Whit	nopy Species ar Maple d Maple ow Birch nwood lsam Fir emlock 119 nopy Species nite Pine	Pensity Full Full Medium Full Medium Medium Medium Medium High	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  5 - 10 feet	Size  10 - 20 feet  5 - 10 feet	Stand has lots of softwood coming in. There are 3 patches of ok hardwoods in the northern part, about 3 or 4 acres each. DBH is on average 10-12". Probably will not be ready to be treated until 2037 or 2047.Cut in 1998. Areas with low ba's (due to aspen removal). Lots
29	4112 - Maple, Beeco Canopy Species White Pine Black Cherry Yellow Birch Hemlock Sugar Maple Red Maple 4319 - Mixed Canopy Species White Spruce Hemlock	% Cover 3 2 2 5 60 28 Upland Fo % Cover 10 25	Size Class rest Size Class	Sawtimber Well    DBH Age	42.7  Sub-Car  Sugg Rec  Yellic  Iro  Bal  He  77.0  Sub-Car  Wh  Whit	nopy Species ar Maple d Maple ow Birch nowood dsam Fir emlock  119 nopy Species aite Pine e Spruce	Pensity Full Full Medium Full Medium Medium Medium Medium High High	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  5 - 10 feet  5 - 10 feet	Size  10 - 20 feet  5 - 10 feet  10 - 20 feet	Stand has lots of softwood coming in. There are 3 patches of ok hardwoods in the northern part, about 3 or 4 acres each. DBH is on average 10-12". Probably will not be ready to be treated until 2037 or 2047.Cut in 1998. Areas with low ba's (due to aspen removal). Lots
29	4112 - Maple, Beeco Canopy Species White Pine Black Cherry Yellow Birch Hemlock Sugar Maple Red Maple 4319 - Mixed Canopy Species White Spruce Hemlock Yellow Birch	ch, Cherry A  % Cover  3 2 2 5 60 28  Upland Fo  % Cover  10 25 5	Size Class rest Size Class	Sawtimber Well     DBH Age	42.7  Sub-Car  Sug- Rec  Yello Iro  Bal  He  77.0  Sub-Car  Wh  Whit  He  Bal	nopy Species ar Maple d Maple ow Birch nwood lsam Fir emlock  119 nopy Species aite Pine e Spruce emlock	Full Full Medium Full Medium Medium Medium Medium Medium High High Medium	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  5 - 10 feet  5 - 10 feet	Size  10 - 20 feet  5 - 10 feet  10 - 20 feet	Stand has lots of softwood coming in. There are 3 patches of ok hardwoods in the northern part, about 3 or 4 acres each. DBH is on average 10-12". Probably will not be ready to be treated until 2037 or 2047.Cut in 1998. Areas with low ba's (due to aspen removal). Lots
29	4112 - Maple, Beeco Canopy Species White Pine Black Cherry Yellow Birch Hemlock Sugar Maple Red Maple  4319 - Mixed Canopy Species White Spruce Hemlock Yellow Birch Sugar Maple	ch, Cherry A  % Cover  3 2 2 5 60 28  Upland Fo  % Cover 10 25 5 23	Size Class rest Size Class	Sawtimber Well    DBH Age	42.7  Sub-Car  Sug: Rec  Yellic  Iro  Bal  He  77.0  Sub-Car  Wh  Whit  He  Bal  Sug:	nopy Species ar Maple d Maple ow Birch owwood lsam Fir emlock  119 nopy Species nite Pine e Spruce emlock lsam Fir	Full Full Medium Full Medium Medium Medium Medium Medium High High Medium Full Medium Full	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  5 - 10 feet  5 - 10 feet  5 - 10 feet	Size  10 - 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Stand has lots of softwood coming in. There are 3 patches of ok hardwoods in the northern part, about 3 or 4 acres each. DBH is on average 10-12". Probably will not be ready to be treated until 2037 or 2047.Cut in 1998. Areas with low ba's (due to aspen removal). Lots
29	4112 - Maple, Beeco Canopy Species White Pine Black Cherry Yellow Birch Hemlock Sugar Maple Red Maple 4319 - Mixed Canopy Species White Spruce Hemlock Yellow Birch Sugar Maple Red Maple	ch, Cherry A  % Cover  3 2 2 5 60 28  Upland Fo  % Cover 10 25 5 23 20	rest Size Class Seedling	Sawtimber Well    DBH Age	42.7  Sub-Car  Sug: Rec  Yellic  Iro  Bal  He  77.0  Sub-Car  Wh  Whit  He  Bal  Sug:	nopy Species ar Maple d Maple ow Birch onwood lsam Fir emlock 119 nopy Species nite Pine e Spruce emlock lsam Fir ar Maple	Full Full Medium Full Medium Medium Medium Medium Medium Medium Medium Full High High Medium Full Full	N/A  Avg. Height  10 - 20 feet  N/A  Avg. Height  5 - 10 feet  5 - 10 feet  Variable	Size  10 - 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet Variable	Stand has lots of softwood coming in. There are 3 patches of ok hardwoods in the northern part, about 3 or 4 acres each. DBH is on average 10-12". Probably will not be ready to be treated until 2037 or 2047.Cut in 1998. Areas with low ba's (due to aspen removal). Lots



Stand	Level 4 Cover Type			Size Density		Acres	Stand Age BA Range		Managed 9	Site	General Comments	. MICHIGAN
31	4191 - Mixed Upland Deciduous with Conifer			Poletim	oer Well	11.4	85	111-140	N/A	A	Stand was unit 4 of Two Lakes Hardwoods 11-013-17. E around to cutting the unit and it was returned.	Besse never got
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	White Pine	2		16		Ва	ılsam Fir	Medium	10 - 20 feet	10 - 20 feet		
(	Quaking Aspen	20		12		Wh	te Spruce	Medium	10 - 20 feet	10 - 20 feet		
	Red Maple	42	Seedling	8	85	Re	ed Maple	Full	Variable	Variable	•	
	Balsam Fir	15	Seedling	7							-	
	Tamarack	3		12								
	Black Spruce	10		12								
Nor	thern White Cedar	5		11								
	Hemlock	3		16								
32	4112 - Maple, Beec	h, Cherry A	ssociation	Poletim	er Well	11.4	81	81-110	N/A	A	possible trespass along blue line mabye 2 ch over	
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Cut by Lindsay Nettell for Besse during the fall of 2020.	Гwo Lakes
	Yellow Birch	2		14		Ва	ılsam Fir	High	>20 feet	>20 feet	Hardwoods 11-013-17.	
	Black Cherry	10		8		Suç	gar Maple	Full	Variable	Variable		
	Red Oak	2		12		Re	ed Maple	Full	Variable	Variable		
	White Spruce	2		12		R	ed Oak	Low	10 - 20 feet	10 - 20 feet		
	Hemlock	3		16		Wh	te Spruce	Medium	>20 feet	>20 feet		
	Sugar Maple	60		11	81	Н	emlock	Medium	10 - 20 feet	10 - 20 feet		
	Red Maple	21		10								
33	4119 - Mixed No	rthern Hard	dwoods	Sawtim		6.8	79	111-140	N/A	A	Cut in 2008, Emily Lake Hdwd. Ready for harvest in 2027	7.
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Yellow Birch	5	Seedling	5			ılsam Fir	Full	10 - 20 feet	10 - 20 feet	*	
	Sugar Maple	45		14	79	Ir	onwood	Medium	10 - 20 feet	10 - 20 feet		
	Red Maple	30		12		`	gar Maple	Full	Variable	Variable		
	Red Oak	2		16		Re	ed Maple	Full	Variable	Variable		
	White Spruce	3		14		R	ed Oak	Medium	10 - 20 feet	10 - 20 feet		
Nor	thern White Cedar	2		10		Н	emlock	High	10 - 20 feet	10 - 20 feet		
	Hemlock	10		16								
	White Pine	3		20								
34	4312 - Hemlock,	Mixed Dec	ciduous	Sawtim	er Well	14.1	120	111-140	N/A	A	RMZ along lake shore. Steep Slopes.	
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	White Pine	2		22		Ва	ılsam Fir	High	>20 feet	>20 feet		
	Yellow Birch	3	Seedling	8		Yel	low Birch	Low	Variable	Variable		
	White Spruce	2		12		Suç	gar Maple	Low	Variable	Variable		
	Hemlock	48		18	120	Re	ed Maple	Low	Variable	Variable		
	Sugar Maple	25		9		Wh	te Spruce	Low	>20 feet	>20 feet		
	Red Maple	20		8		Н	emlock	High	10 - 20 feet	10 - 20 feet		

Baraga Mgt. Unit

## Report 7 - Stands

6	OF NATURAL	\
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(,	MICHICAN	/

Stand	Level 4 Cover Type			Size Density  None		Acres Stand Age BA Range			Managed S	Site	General Comments  WET Bogdown in a hole												
35	330 - Low-l	1.2					No																
						Sub-Ca	nopy Species	Density	Avg. Height	Size													
							Black Spruce		5 - 10 feet	5 - 10 feet													
36	4112 - Maple, Beech, Cherry Association Sapling We	e, Beech, Cherry Association Sapling We		2 - Maple, Beech, Cherry Association Sapling W		Well	23.2	7 I	mmature	N/A	A	Thinned 1997 - Almost Done HDWD											
	Canopy Species	pecies % Cover Size Class		% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	% Cover	DBH	Age	Sub-Ca	nopy Species	es Density Avg. Height Size	2019: Gawk Mix cut in 2018-19.	
	Yellow Birch	2	Log	1		Hemlock		Low	10 - 20 feet	10 - 20 feet													
	Sugar Maple	50	Log	1	7	Ва	Balsam Fir Medi Sugar Maple Lov		10 - 20 feet	10 - 20 feet													
	Red Maple	33	Log	1	7	Sug			5 - 10 feet	5 - 10 feet													
	Red Oak	Red Oak 5 16			Red Maple		Low 10 - 2	10 - 20 feet	10 - 20 feet														
	Hemlock	10		16	79				1														
38	500 - Water		Non	е	1.1			No	)	Pond													