



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-Skaneecook 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.

Additional Compartment Information:

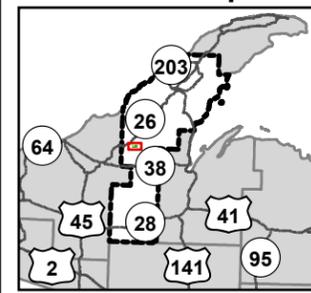
The following reports from the Inventory are attached:

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

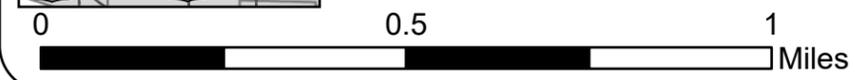
The following information is displayed, where pertinent, on the attached compartment maps:

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

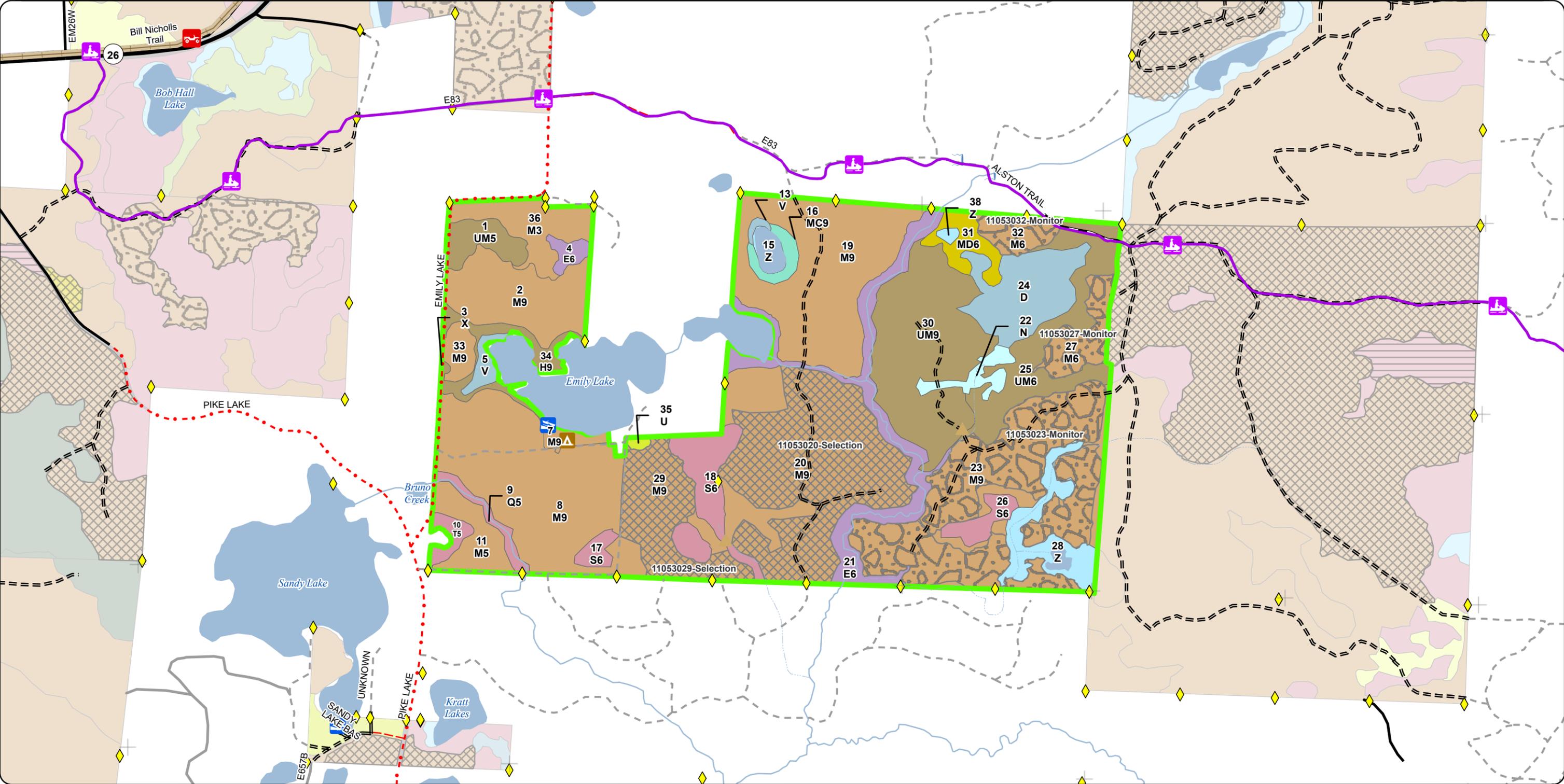
Cover Type & Treatments Map



Compartment: 11053
 T52N R36W, Sections 34-36.
 County: Houghton
 Unit: Baraga
 Mgmt. Area: Houghton Hardwoods
 YOE: 2027
 Acres: 936 GIS Calculated
 Examiner: Jason Mittlestat
 Date Exported: 04/28/2025
 Map Phase: Web Post

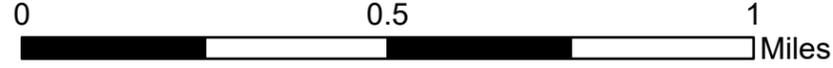
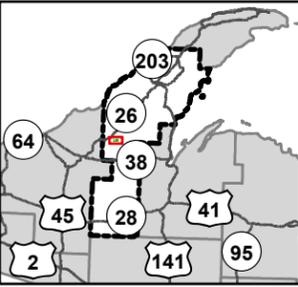


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|----|------------------------------|-----|---------------------------------------|---|------------------------------|---|---------------------------------|
| + | Remonumented Section Corners | — | DNR - Primary Forest Road | — | Intermittent Stream | ■ | 429 - Mixed Upland Conifers |
| ◆ | Survey Grade Corners | — | DNR - Secondary Forest Road | — | Perennial River | ■ | 430 - Upland Mixed Forest |
| ▲ | Berms | == | DNR - Forest Access Route | ■ | Lakes and Rivers | ■ | 500 - Water |
| ⚓ | Boating Access Site | — | Federal / State Highway | — | Counties | ■ | 611 - Lowland Deciduous Forest |
| ⌒ | Culvert | — | Federal / State / County - Paved Road | — | Compartment Boundary | ■ | 612 - Lowland Coniferous Forest |
| ⚠ | Campground | --- | County - Gravel Road | — | Selection | ■ | 122 - Road/Parking Lot |
| == | Designated ORV Routes | --- | County - Dirt Road (Seasonal) | — | Monitoring - Regeneration | ■ | 330 - Low Density Trees |
| — | Designated Snowmobile Trails | --- | Private - Paved Road | — | 411 - Northern Hardwood | ■ | 622 - Lowland Shrub |
| | | --- | Private - Dirt / Gravel Road | — | 419 - Mixed Upland Deciduous | ■ | 623 - Emergent Wetland |

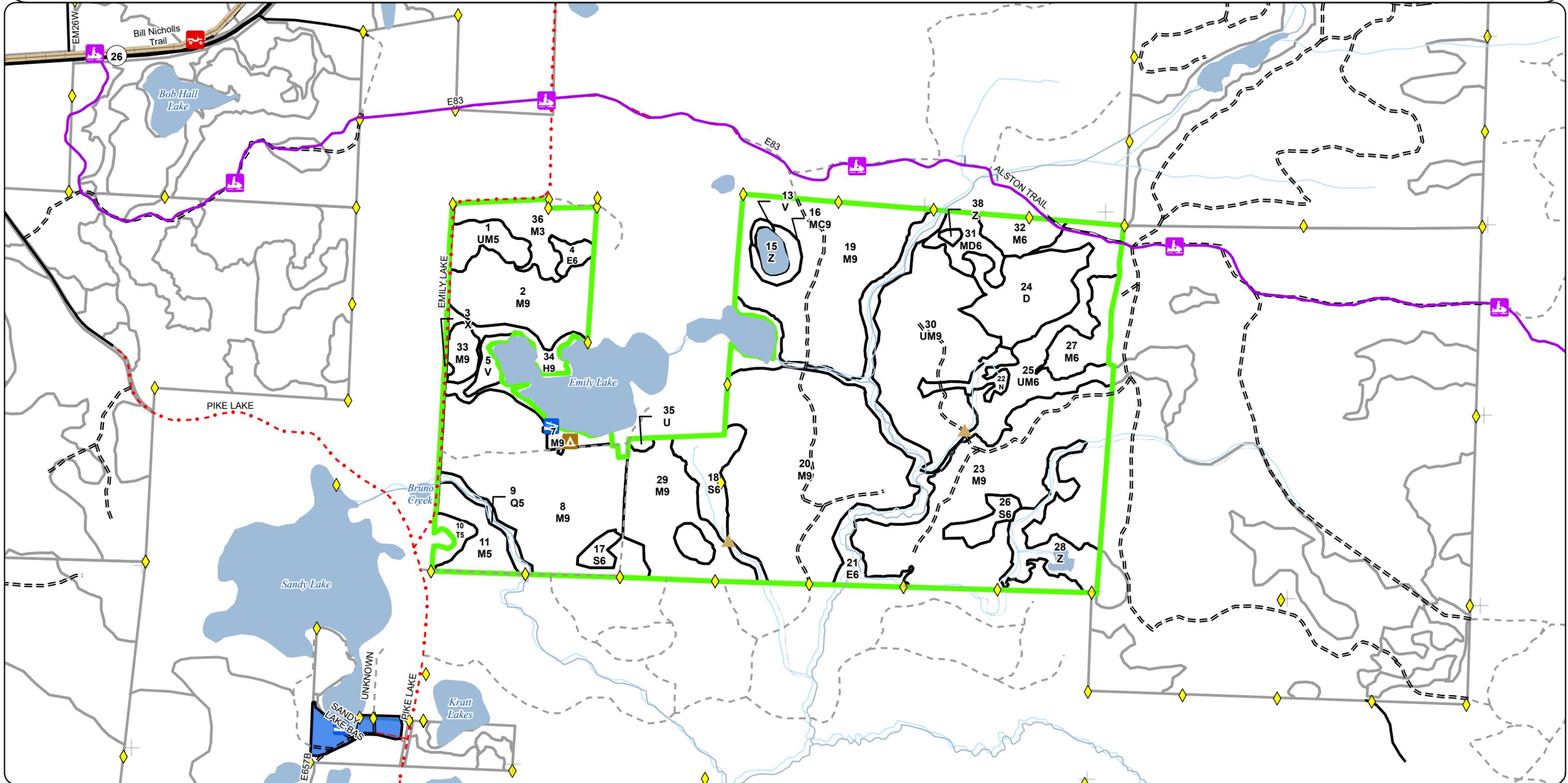


Special Conservation Areas & Site Conditions Map

Compartment: 11053
 T52N R36W, Sections 34-36.
 County: Houghton
 Unit: Baraga
 Mgmt. Area: Houghton Hardwoods
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- Remonumented Section Corners
- Survey Grade Corners
- Berms
- Boating Access Site
- Culvert
- Campground
- Designated ORV Routes
- Designated Snowmobile Trails
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- Boat Access Site



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
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	8	0	4	24	0	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	11	0	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	5	0	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	12	0	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	31	0	4	24	5	0	0	0	0	768	936



Report 2 – Treatment Summary

Baraga Mgt. Unit
Year of Entry: 2027

Compartment 53
Total Compartment Acres: 936

Acres of Harvest

Commercial Harvest - 146
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

		Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Northern Hardwood		0	147	0	0	0	0	0	0	0	147
	Total	0	147	0	0	0	0	0	0	0	147

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		147	0	0	0	0	136	0	0	0	283
	Total	147	0	0	0	0	136	0	0	0	283



S 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
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Proposed Treatments:

29	11053029- Selection	40.0	4112 - Maple, Beech, Cherry Association	9	81	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription Specs:</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor leaving: red oak, hemlock, white pine and cedar, where present. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Other Comment:</u> WLSMU-Kris Nault This compartment contains Lake Emily, three small unnamed lakes, 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. Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species. Snowmobile trail 109 will possibly be affected by the harvest of this stand. Add trail spec to contract.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											
20	11053020- Selection	106.5	4112 - Maple, Beech, Cherry Association	9	119	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription Specs:</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor leaving: red oak, hemlock, white pine and cedar, where present. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of the original stand's over story species prior to harvest.</p> <p><u>Other Comment:</u> WLSMU-Kris Nault This compartment contains Lake Emily, three small unnamed lakes, 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. Retention for this stand will be greater than 3% and will consist of tree species of the dominant cover type and reserve tree species. Snowmobile trail 109 will possibly be affected by the harvest of this stand. Add trail spec to contract.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2026</p>											

Approved Treatments:

32	11053032- Monitor	11.4	4112 - Maple, Beech, Cherry Association	6	81	81-110	Monitoring	Monitoring - Regeneration	411 - Northern Hardwood	Current	No
<p><u>Prescription Specs:</u></p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Any tree species that are currently represented in the over story.</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2024</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
27 11053027-Monitor	16.0	4112 - Maple, Beech, Cherry Association	6	119	81-110	Monitoring	Monitoring - Regeneration	4199 - Other Mixed Upland Deciduous	Current	No
<p><u>Prescription</u> <u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species that are currently represented in the over story. <u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100% <u>Comment:</u></p> <p><u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024</p>										
23 11053023-Monitor	108.9	4115 - Y.Birch, Hemlock NH	9	119	81-110	Monitoring	Monitoring - Regeneration	4199 - Other Mixed Upland Deciduous	Current	No
<p><u>Prescription</u> <u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species that are currently represented in the over story. <u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100% <u>Comment:</u></p> <p><u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2024</p>										

Total Treatment 0
Acreage Proposed:

Report 4 – Site Conditions

Baraga Mgt. Unit
Jason Mittlestat: Examiner

Compartment: 53
Year of Entry: 2027



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		5C	5F	2G	3D	3J
6	6	0	0	Bog					
14	0	0	14	Hemlock					14
1	0	0	1	Low-Density Trees			1		
6	0	0	6	Lowland Conifers			6		
48	0	0	48	Lowland Deciduous			4		44
36	0	12	24	Lowland Spruce/Fir	12		24		
8	8	0	0	Marsh					
11	11	0	0	Mixed Upland Deciduous					
517	506	0	11	Northern Hardwood				5	6
5	0	0	5	Tamarack			5		
35	35	0	0	Treed Bog					
6	0	0	6	Upland Conifers					6
131	89	42	0	Upland Mixed Forest		42			
2	2	0	0	Urban					
29	29	0	0	Water					
855	686	54	115	Total Forested Acres	12	42	40	5	70
	80%	6%	13%	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

Baraga Mgt. Unit
Jason Mittlestat: Examiner

Compartment: 53
Year of Entry: 2027



3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	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:							
6	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:							
7	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	14	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
Jason Mittlestat: Examiner

Compartment: 53
Year of Entry: 2027



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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	4319 - Mixed Upland Forest	Poletimber Medium	11.9	89	1-50	N/A	2019: Gawk Mix, cut 2019-19.
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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, Beech, Cherry Association	Sawtimber Well	40.2	79	81-110	N/A	Thinned 1997 - Almost Done HDWD 2019: Gawk Mix, cut in 2018-19.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50		10	79	Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Red Maple	33		9	55	Hemlock	Low	10 - 20 feet	10 - 20 feet
Yellow Birch	2	Seedling	8		Sugar Maple	Low	5 - 10 feet	5 - 10 feet
Red Oak	5		16		Red Maple	Low	10 - 20 feet	10 - 20 feet
Hemlock	10		16					

3	122 - Road/Parking Lot	Unspecified	2.4			No	
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4	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	4.2	74	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	10	Seedling	9		Balsam Fir	Full	10 - 20 feet	10 - 20 feet
Red Maple	45		12	74	Black Ash	Low	10 - 20 feet	10 - 20 feet
Yellow Birch	5	Seedling	9		Northern White Cedar	Low	5 - 10 feet	5 - 10 feet
White Pine	2		18		Hemlock	Full	Variable	Variable
Black Spruce	8	Seedling	6					
Hemlock	30		12	120				

5	6225 - Bog	Unspecified	5.0			No	
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7	4115 - Y.Birch, Hemlock NH	Sawtimber Well	4.9	119	111-140	N/A	Emily Lk SFCG - Cut in 2008
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5		20		Yellow Birch	Low	10 - 20 feet	10 - 20 feet
Yellow Birch	15		20	20	Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Sugar Maple	50		20	119	Sugar Maple	High	10 - 20 feet	10 - 20 feet
Red Maple	15		18		Red Maple	Medium	10 - 20 feet	10 - 20 feet
White Spruce	5		14		Hemlock	Medium	10 - 20 feet	10 - 20 feet
Hemlock	10		20					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
8	4112 - Maple, Beech, Cherry Association	Sawtimber Well	98.6	119	81-110	N/A	Summer 2016 blow down event. Timber salvage activities took place during the summer of 2016 in the north part of the stand and throughout the campground.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Yellow Birch	5		10		Yellow Birch	Medium	10 - 20 feet	10 - 20 feet
	Sugar Maple	40		10	55	Balsam Fir	Full	10 - 20 feet	10 - 20 feet
	Red Maple	50		10	119	Hemlock	Full	10 - 20 feet	10 - 20 feet
	Hemlock	5		16		Sugar Maple	Full	5 - 10 feet	5 - 10 feet
						Red Maple	Full	10 - 20 feet	10 - 20 feet
									Not ready in 2024, Look to maybe harvest part of the stand in 2037?
9	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	5.6	80	Unspecified	N/A	Wet drainage.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Balsam Fir	10	Seedling	5	55	Balsam Fir	Full	10 - 20 feet	10 - 20 feet
	White Pine	1		18		Red Maple	Full	Variable	Variable
	Yellow Birch	5	Seedling	5		Northern White Cedar	Low	>20 feet	>20 feet
	Red Maple	35	Seedling	6	80	Hemlock	Medium	Variable	Variable
	White Spruce	8	Seedling	7					
	Northern White Cedar	1	Seedling	8					
	Hemlock	40	Seedling	6	80				
10	6121 - Tamarack	Poletimber Medium	5.3	127	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	White Pine	5	Seedling	9		Tamarack	Low	10 - 20 feet	10 - 20 feet
	Tamarack	65	Seedling	9	127	Red Maple	Low	5 - 10 feet	5 - 10 feet
	Black Spruce	30	Seedling	7		Black Spruce	Low	5 - 10 feet	5 - 10 feet
11	4112 - Maple, Beech, Cherry Association	Poletimber Medium	16.4	119	51-80	N/A	cut in 2008. Blowdown event in 2016 and salvaged. Most likely will not be ready for harvest until 2057. Low stocking of merchantable timber.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	White Pine	2		10		Yellow Birch	Medium	10 - 20 feet	10 - 20 feet
	Yellow Birch	12		10		Sugar Maple	Full	10 - 20 feet	10 - 20 feet
	Hemlock	2		14		Red Maple	Medium	10 - 20 feet	10 - 20 feet
	Sugar Maple	35		10	55	Hemlock	Medium	10 - 20 feet	10 - 20 feet
	Red Maple	45		10	119	Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
	Paper Birch	2		10					
	Bigtooth Aspen	2		12					
13	6225 - Bog	Unspecified	1.1			No	Side slope to a sinkhole lake - 45% + slope.		
15	500 - Water	Unspecified	4.9			No			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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16	429 - Mixed Upland Conifers	Sawtimber Well	5.5	119	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Seedling	8	
Red Maple	5	Seedling	9	
White Pine	50		20	119
White Spruce	10		16	
Hemlock	30		20	55

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
Hemlock	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet

17	6122 - Black Spruce	Poletimber Well	4.4	104	111-140	N/A	WET WET
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	30		18	
Red Maple	10	Seedling	9	
Black Spruce	50	Seedling	9	104
Hemlock	10		15	

Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	Low	>20 feet	>20 feet
Red Maple	Low	>20 feet	>20 feet

18	6122 - Black Spruce	Poletimber Well	24.1	119	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	2	Seedling	8	
Black Spruce	58	Seedling	8	119
Northern White Cedar	2		12	
Hemlock	5		10	
White Pine	5		14	
Red Maple	16	Seedling	8	
Balsam Fir	10	Seedling	7	
Tamarack	2		9	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	5 - 10 feet	5 - 10 feet
White Spruce	Medium	5 - 10 feet	5 - 10 feet
Hemlock	Low	5 - 10 feet	5 - 10 feet
Sugar Maple	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	5 - 10 feet	5 - 10 feet

19	4112 - Maple, Beech, Cherry Association	Sawtimber Well	86.2	119	51-80	N/A	Thinned by Lindsay Nettell for Besse during the winter of 2020/21. Two Lakes Hardwoods 11-013-17.
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Canopy Species	% Cover	Size Class	DBH	Age
Basswood	3		16	
Red Oak	5		16	
Hemlock	5		18	
Yellow Birch	5		12	
Sugar Maple	50		14	119
Red Maple	30		10	55
Black Cherry	2		12	

Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Hemlock	Low	10 - 20 feet	10 - 20 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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20 4112 - Maple, Beech, Cherry Association Sawtimber Well 129.0 119 111-140 N/A Cut in 2008.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	58		11	119	Ironwood	Full	10 - 20 feet	10 - 20 feet
Red Maple	35		11		Hemlock	Medium	10 - 20 feet	10 - 20 feet
Yellow Birch	2		11		Balsam Fir	High	10 - 20 feet	10 - 20 feet
Hemlock	2		14		Sugar Maple	Full	Variable	Variable
Black Cherry	3		10		Red Maple	Full	Variable	Variable

21 6119 - Mixed Lowland Deciduous Forest Poletimber Well 44.0 119 Unspecified N/A Stand is both : upland and lowland because it includes the side slopes to the drain which are upland and the bottom with the drain in it which is lowland. Few supercanopy W Pine in the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	5		20		Balsam Fir	Medium	Variable	Variable
Hemlock	3		20		White Spruce	Low	Variable	Variable
Balsam Fir	7	Seedling	9		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		Yellow Birch	Medium	Variable	Variable
Yellow Birch	30	Seedling	9	55				

22 6233 - Wet Meadow Unspecified 7.6 No

23 4115 - Y.Birch, Hemlock NH Sawtimber Well 121.6 119 81-110 N/A Cut in 1998. Areas with low ba's (due to aspen removal) may be excluded from sale. Lots of wet areas.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	1		18		Balsam Fir	Full	5 - 10 feet	5 - 10 feet
Black Cherry	2		10		Sugar Maple	Full	Variable	Variable
Yellow Birch	20		12		Red Maple	Full	Variable	Variable
Sugar Maple	28		10	55	White Pine	High	5 - 10 feet	5 - 10 feet
Red Maple	34		12	119	White Spruce	Medium	5 - 10 feet	5 - 10 feet
Hemlock	15		16		Hemlock	Medium	5 - 10 feet	5 - 10 feet

Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part of 11-021-21 Maverick 21.

24 6224 - Treed Bog Unspecified 34.8 No

25 4319 - Mixed Upland Forest Poletimber Well 42.5 83 111-140 N/A 2005: There is a possible trespass along blue line... maybe 2 ch over.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5		9		Yellow Birch	Low	10 - 20 feet	10 - 20 feet
Red Maple	30	Seedling	9	83	Honeysuckle (spp.)	Low	5 - 10 feet	5 - 10 feet
Black Cherry	5		9		Sugar Maple	Low	10 - 20 feet	10 - 20 feet
Quaking Aspen	5		12	49				
White Spruce	25		10	83				
Black Spruce	5	Seedling	8					
Hemlock	25		14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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26	6122 - Black Spruce	Poletimber Well	7.6	88	111-140	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Spruce		90	Seedling	8	88	Black Spruce		Low	10 - 20 feet	10 - 20 feet
Tamarack		2		11		Hemlock		Low	>20 feet	>20 feet
White Pine		8		11		Red Maple		Low	10 - 20 feet	10 - 20 feet

27	4112 - Maple, Beech, Cherry Association	Poletimber Well	16.2	119	81-110	N/A	Cut in the winter of 22/23 and 23/24 by Lindsay Nettell Logging as part of 11-021-21 Maverick 21.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Spruce		2		10		Balsam Fir		Low	10 - 20 feet	10 - 20 feet
Hemlock		2		12		Sugar Maple		Medium	10 - 20 feet	10 - 20 feet
Sugar Maple		46	Seedling	9	119	Hemlock		Low	>20 feet	>20 feet
Red Maple		40	Seedling	8	55					
Yellow Birch		10	Seedling	6						

28	500 - Water	Unspecified	22.6			No	
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29	4112 - Maple, Beech, Cherry Association	Sawtimber Well	42.7	81	111-140	N/A	Cut in 2008.Emily Lake Hdwd. Looked at in summer 2024 and is ready for harvest.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Hemlock		5		14		Balsam Fir		Medium	10 - 20 feet	10 - 20 feet
Sugar Maple		60		14	81	Sugar Maple		Full	10 - 20 feet	10 - 20 feet
Red Maple		28		14		Red Maple		Full	10 - 20 feet	10 - 20 feet
White Pine		3		18		Yellow Birch		Medium	10 - 20 feet	10 - 20 feet
Black Cherry		2		8		Ironwood		Full	10 - 20 feet	10 - 20 feet
Yellow Birch		2		8		Hemlock		Medium	10 - 20 feet	10 - 20 feet

30	4319 - Mixed Upland Forest	Sawtimber Well	77.0	119	81-110	N/A	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 of wet areas.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		10	Seedling	8		Sugar Maple		Full	Variable	Variable
White Pine		2		18		Red Maple		Full	Variable	Variable
Black Cherry		5		10		Balsam Fir		Full	5 - 10 feet	5 - 10 feet
Sugar Maple		23		10		White Pine		High	5 - 10 feet	5 - 10 feet
Red Maple		20		10	119	White Spruce		High	5 - 10 feet	5 - 10 feet
Yellow Birch		5		12		Hemlock		Medium	5 - 10 feet	5 - 10 feet
White Spruce		10	Seedling	8						
Hemlock		25		16	119					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
31	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	11.4	85	111-140	N/A	Stand was unit 4 of Two Lakes Hardwoods 11-013-17. Besse never got around to cutting the unit and it was returned.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2		16	
Red Maple	42	Seedling	8	85
Balsam Fir	15	Seedling	7	
Tamarack	3		12	
Black Spruce	10		12	
Northern White Cedar	5		11	
Hemlock	3		16	
Quaking Aspen	20		12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
White Spruce	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Full	Variable	Variable

32	4112 - Maple, Beech, Cherry Association	Poletimber Well	11.4	81	81-110	N/A	possible trespass along blue line... maybe 2 ch over
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Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	10		8	
Sugar Maple	60		11	81
Red Maple	21		10	
Red Oak	2		12	
White Spruce	2		12	
Hemlock	3		16	
Yellow Birch	2		14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	>20 feet	>20 feet
Red Oak	Low	10 - 20 feet	10 - 20 feet
White Spruce	Medium	>20 feet	>20 feet
Hemlock	Medium	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable

Cut by Lindsay Nettell for Besse during the fall of 2020. Two Lakes Hardwoods 11-013-17.

33	4119 - Mixed Northern Hardwoods	Sawtimber Well	6.8	79	111-140	N/A	Cut in 2008, Emily Lake Hdwd. Ready for harvest in 2027.
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Seedling	5	
Red Oak	2		16	
White Spruce	3		14	
Northern White Cedar	2		10	
Hemlock	10		16	
Sugar Maple	45		14	79
Red Maple	30		12	
White Pine	3		20	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Medium	10 - 20 feet	10 - 20 feet
Sugar Maple	Full	Variable	Variable
Red Maple	Full	Variable	Variable
Red Oak	Medium	10 - 20 feet	10 - 20 feet
Hemlock	High	10 - 20 feet	10 - 20 feet
Balsam Fir	Full	10 - 20 feet	10 - 20 feet

34	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	14.1	120	111-140	N/A	RMZ along lake shore. Steep Slopes.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2		22	
Sugar Maple	25		9	
Red Maple	20		8	
White Spruce	2		12	
Hemlock	48		18	120
Yellow Birch	3	Seedling	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	>20 feet	>20 feet
Yellow Birch	Low	Variable	Variable
Sugar Maple	Low	Variable	Variable
Red Maple	Low	Variable	Variable
White Spruce	Low	>20 feet	>20 feet
Hemlock	High	10 - 20 feet	10 - 20 feet



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
35	330 - Low-Density Trees	Unspecified	1.2			No	WET Bog...down in a hole																																																		
								<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>Low</td> <td>5 - 10 feet</td> <td>5 - 10 feet</td> </tr> </tbody> </table>				Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Low	5 - 10 feet	5 - 10 feet																																						
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Black Spruce	Low	5 - 10 feet	5 - 10 feet																																																						
36	4112 - Maple, Beech, Cherry Association	Sapling Well	23.2	7	Immature	N/A	Thinned 1997 - Almost Done HDWD 2019: Gawk Mix cut in 2018-19.																																																		
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																	
Sugar Maple	50	Log	1	7	Balsam Fir	Medium	10 - 20 feet	10 - 20 feet																																																	
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38	500 - Water	Poletimber Well	1.1			No	Pond																																																		