



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11034

Entry Year 2028

Acreage: 930

County: Houghton

Management Area: Houghton Hardwoods

Stand Examiner: Shaun Sullivan

Legal Description:

Portage Township, T53N, R34W, Sections 18, 19, 30T53N, R35W, Section 24

Identified Planning Goals:

To maintain a healthy sustainable forest with special consideration to wildlife and fisheries habitat.

Soil and topography:

The topography is rolling to hilly. The upland soils are mostly Munising loamy fine sand and sandy loam, and Yalmer sands. There are some Halfaday sands on the East edge. There are some Skanee-Gay complex (fine sandy loam and mucky sandy loam soils). The wetlands are Lupton muck and Dawson peat.

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

There are state forest lands adjacent to the North and West sides of this compartment. Other adjacent lands are industrial timber land, with the exception of small private ownerships to the South and East.

Unique Natural Features:

Potential for osprey, eagle, great blue heron rookery, red-shouldered hawk, goshawk, moose, and gray wolf. Potential for wood turtle along riparian corridors. Potential for calypso orchid, rayless mountain ragwort and ram's head lady's-slipper in conifer swamps.

Archeological, Historical, and Cultural Features:

None known

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

This compartment contains two unnamed tributaries to the North Branch of the Otter River that are designated trout streams. Maintain a riparian buffer to the high bank of the valley wall along both streams, which are in stand 5, stand 14, stand 15, stand 3, and stand 6.

Wildlife Habitat Considerations:

Managing habitat for; black bear, blackburnian warbler, pileated woodpecker, ruffed grouse, northern goshawk and American marten should be considered when planning harvest specifications in this this compartment.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of an end moraine of fine-textured till and lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was previously used as a building stone. The closest gravel pit is located four miles to the southeast, but there may be potential on the uplands. Abandoned copper mines are located ten miles to the southwest. The Compartment has not been previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

Previous timber harvest activity has somewhat improved the road access. However, access is limited across private lands to the South. All stream crossings on State land in this compartment were temporary, and were removed upon harvest completion. New crossings will require permits for future access.

Survey Needs:

None identified at this time, will be addressed as needed in the future.

Recreational Facilities and Opportunities:

The large expanse of continuous forest offer great hunting opportunities for both large and small game, but is limited due to

poor access.

Fire Protection:

This compartment has little to no potential for a large fire with the primary cover type being northern hardwoods. The remote location and equipment access would be the primary issue for fire suppression activities.

Additional Compartment Information:

The following reports from the Inventory are attached:

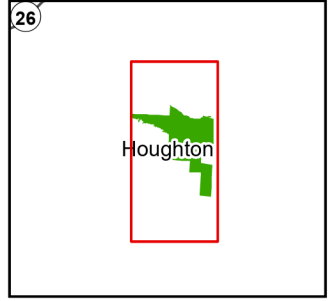
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

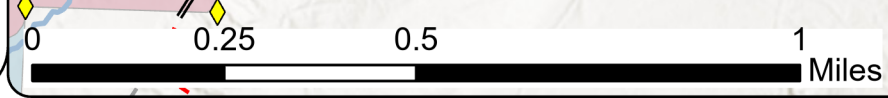
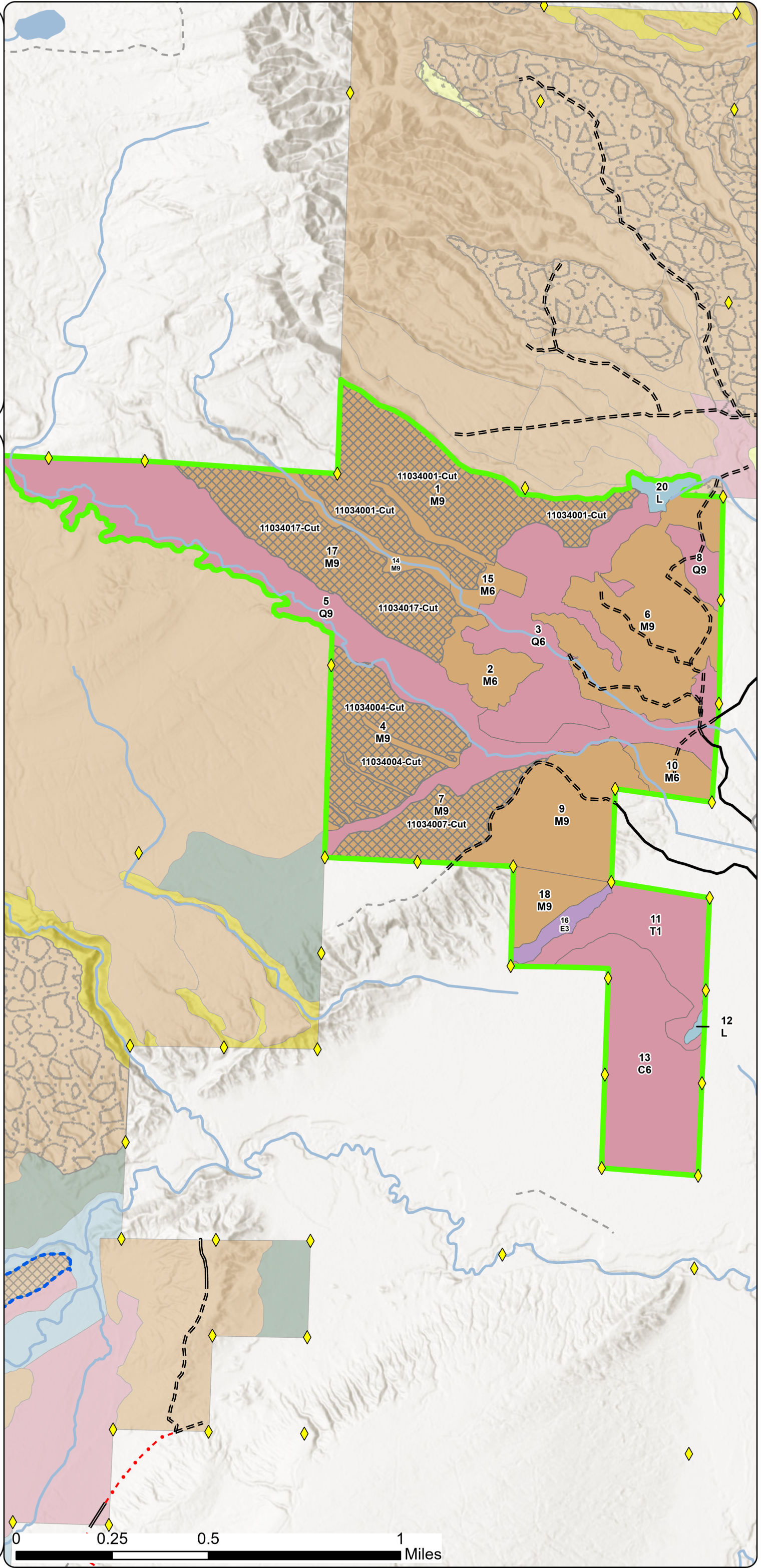
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 11034
 T53N, R34W, Sec: 18,19,30
 County: Houghton
 Unit: Baraga
 Mgmt. Area: Houghton Hardwoods
 YOE: 2028
 Acres: 930.27 GIS Calculated
 Examiner: Shaun Sullivan
 Date Exported: 04/23/2026
 Map Phase: Web Post

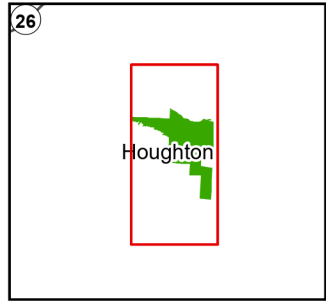


- ◆ Survey Grade Corners
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Paved Road
- Private - Dirt / Gravel Road
- Streams
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Selection
- 411 - Northern Hardwood
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 622 - Lowland Shrub

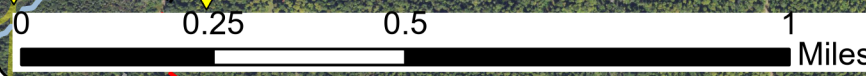
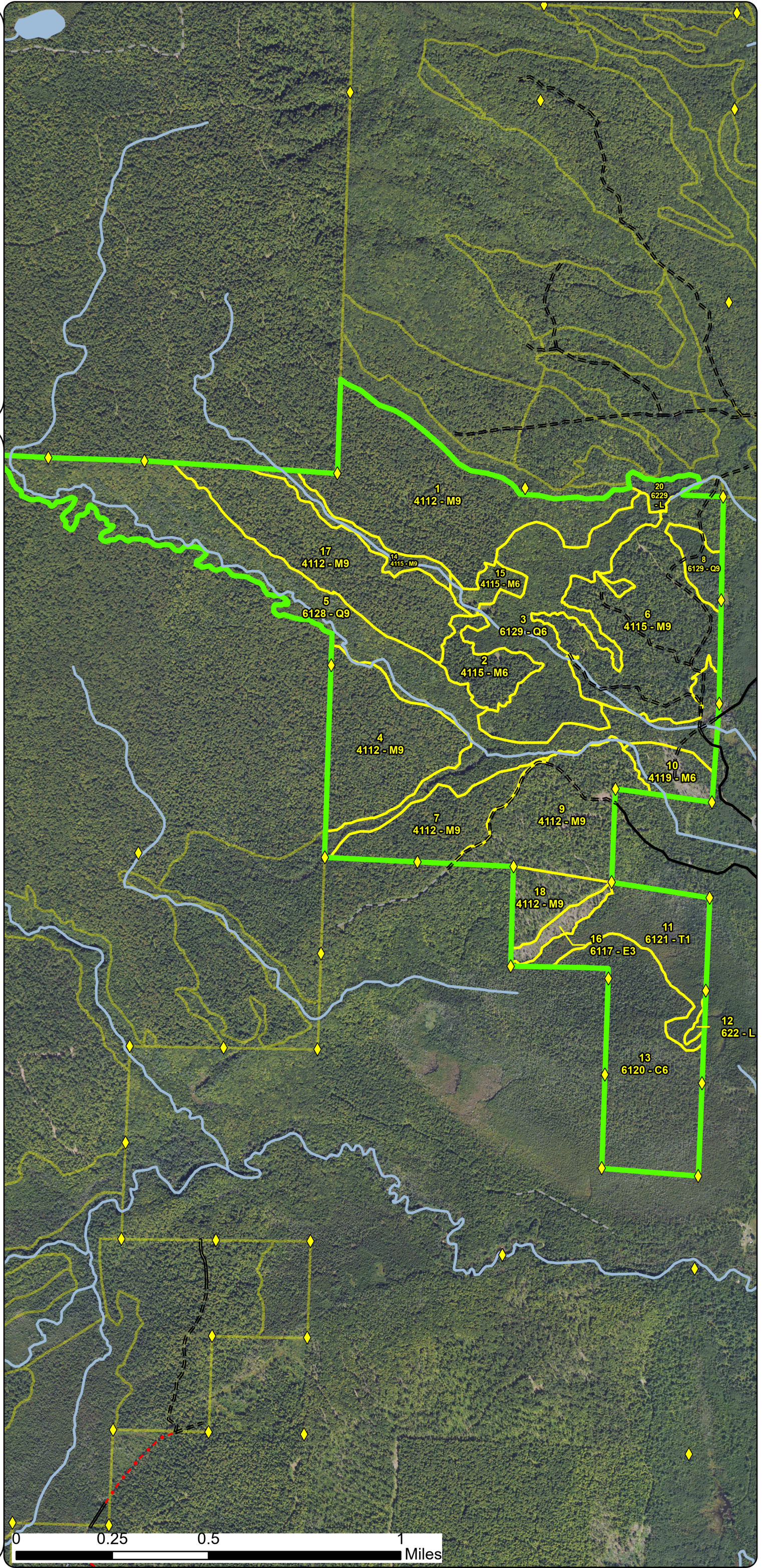


Stand Boundary Map

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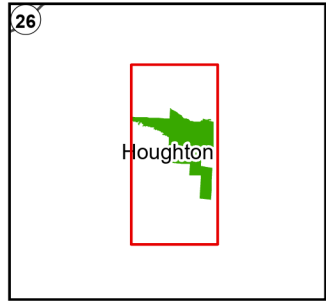


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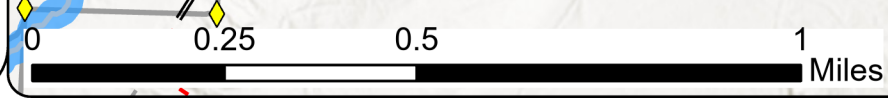
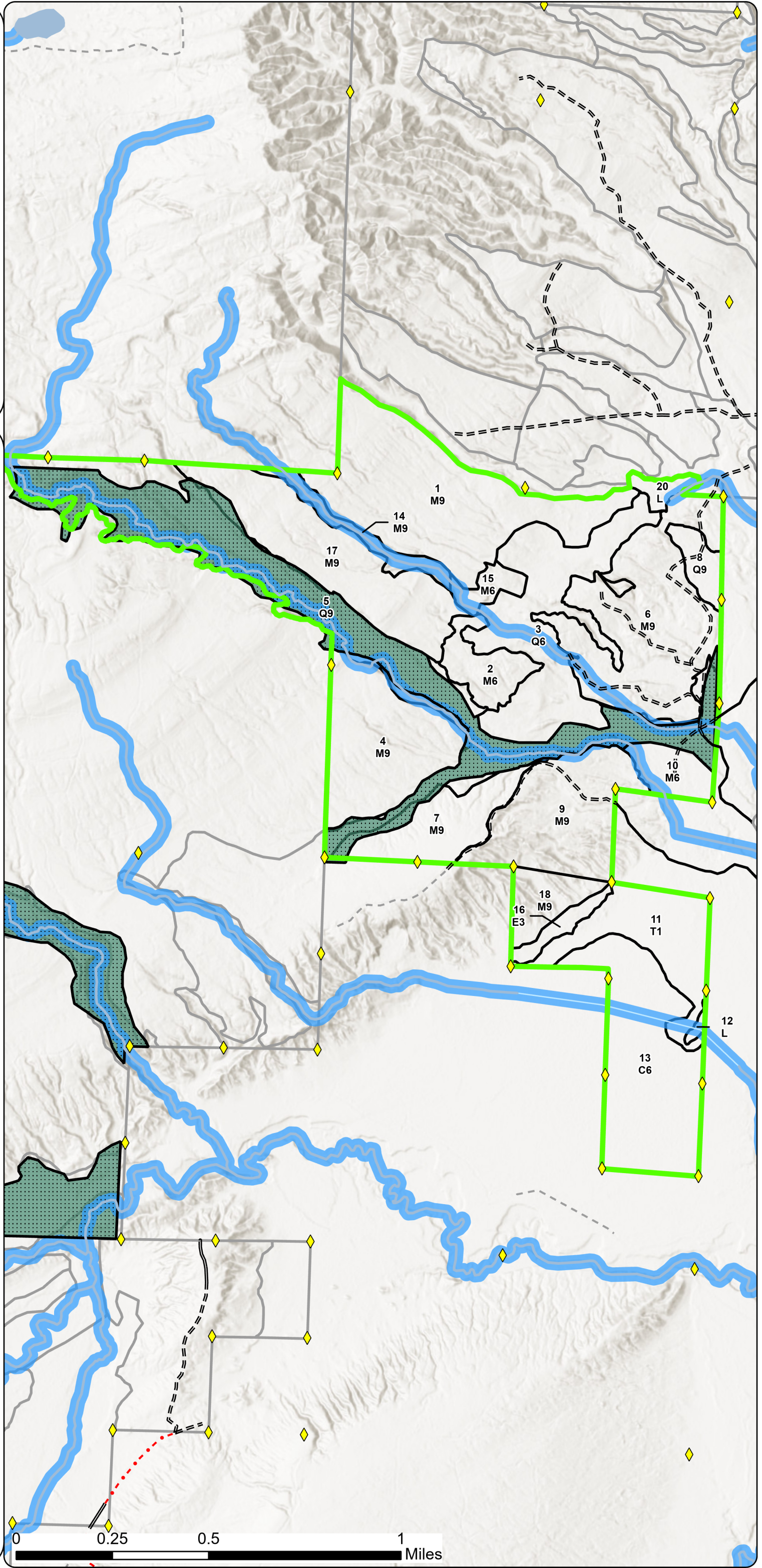


Special Conservation Areas & Site Conditions Map

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- Streams
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Vernal Pool



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
Cedar	0	0	0	0	0	0	0	0	0	0	86	0	0	0	0	0	0	0	86
Lowland Conifers	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	239	250
Lowland Deciduous	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Shrub	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	0	433	533
Tamarack	0	0	0	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	46
Total	7	8	0	0	0	0	0	0	0	11	86	146	0	0	0	0	0	672	930



Report 2 – Treatment Summary

Baraga Mgt. Unit
Year of Entry: 2028

Acres of Harvest

Compartment 34
Total Compartment Acres: 930

Commercial Harvest - 564
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	282	0	0	0	0	0	0	0	282
	Total	0	282	0	0	0	0	0	0	0	282

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		282	0	0	0	0	0	0	0	0	282
Next Step		0	0	0	0	0	282	0	0	0	282
	Total	282	0	0	0	0	282	0	0	0	565



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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
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Proposed Treatments:

1	11034001-Cut	106.4	4112 - Maple, Beech, Cherry Association	9	93	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 oak, hemlock, white pine and cedar where/if present. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</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> Retention: 3-10% BA will be the retention for this stand. Final treatment acres may be smaller than proposed treatment due to terrain possibly being removed. Additionally, finger going east should be doable, but some may be dropped due to size/structure.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>											
4	11034004-Cut	61.3	4112 - Maple, Beech, Cherry Association	9	112	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 oak, hemlock, white pine and cedar where/if present. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</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> Retention: 3-10% BA will be the retention for this stand. Additional acres may be lost due to drains not visible with snow.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>											
7	11034007-Cut	37.6	4112 - Maple, Beech, Cherry Association	9	104	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 oak, hemlock, white pine and cedar where/if present. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</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> Retention: 3-10% BA will be the retention for this stand.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</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
17 11034017-Cut	77.0	4112 - Maple, Beech, Cherry Association	9	93	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where/if present. Oak should be released on 3 sides to an average BA of 60 sqft. Follow all guidelines set forth in "The Complete Marker".</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>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> Retention: 3-10% BA will be the retention for this stand.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/01/2027</p>										

Total Treatment 282.3
Acreage Proposed:



Availability for Management

Total Acres Acres Available *Acres Avail With Condition* Acres Not Available

Dominant Site Conditions

3J 3L

81	0	0	81	Cedar		81
245	0	0	245	Lowland Conifers	245	
8	8	0	0	Lowland Deciduous		
7	0	0	7	Lowland Shrub	6	1
373	332	0	41	Northern Hardwood	41	
42	0	0	42	Tamarack		42
756	340		417	Total Forested Acres	293	124
	45%		55%	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	3J: Water quality/BMPs (stream, river, or lake)	19	2F: Too steep	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments:							
2	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	269	2G: Too wet (sensitive soils, does not include access issues)	2F: Too steep	Unspecified	Unspecified
Comments:							



5	Unavailable	3L: Other wildlife concerns	124	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Deer yarding area.							

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	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	112.2	93	111-140	N/A	The north east arrow of the stand was not harvested through in 2008 because of a pocket of smaller diameter timber. 11/6/26 - ready for treatment, try to mark with leaf off due to regen. ATV accessible on main access road. East finger may only be partially set up due to structure/soils. Will be better to evaluate without snow.																																																											
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2	4115 - Y.Birch, Hemlock NH	Poletimber Well	20.0	89	81-110	N/A	Part of fmp hdwd cut in 2000. Good hemlock regen- 1'-10' tall.Poor quality timber. Harvested by Longyear during the winter of 2020/21 as FMP Hardwoods 11-007-18.1/6/26 - Nice hemlock regen developing in understory. Due to quality of hardwood, look at removing hardwood species down the road to allow hemlock regen to take off. Monitor treatment terminated due to success of regen.																																																											
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3	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	82.4	82	141-170	N/A	Wet drainage area. BMP issues																																																											
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4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	67.0	112	111-140	N/A	cut in 2010 as part of "South Laski Hdwds" 11-008-08-011/6/26 - ready to cut, mark leaf off if possibly, brushy. There is a drain that will need to be removed, see treatment design.																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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5 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 156.9 95 111-140 N/A SCA - Water Quality Protection - trip to Otter River.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Log/Pole	12		Yellow Birch	Low	Variable	Variable
Red Maple	15	Pole	8		White Pine	Low	10 - 20 feet	10 - 20 feet
Yellow Birch	10	Pole	7		White Spruce	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	19	Pole	8		Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
White Spruce	19	Log/Pole	10		Red Maple	Medium	Variable	Variable
Northern White Cedar	5	Pole/Log	8					
White Pine	22	Log/Pole	16	95				

6 4115 - Y.Birch, Hemlock NH Sawtimber Well 100.4 109 81-110 N/A Harvested by Longyear during the winter of 2020/21 as FMP Hardwoods 11-007-18.1/6/26 - monitor treatment terminated, was successful.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	23	Log/Pole	12	109	Sugar Maple	Medium	Variable	Variable
Red Maple	35	Log/Pole	10	109	Northern White Cedar	Low	Variable	Variable
Yellow Birch	8	Log/Pole	10		Hemlock	Medium	>20 feet	>20 feet
White Spruce	2	XLog/Log	18		Yellow Birch	Low	Variable	Variable
White Pine	5	XLog	24		Red Maple	Medium	Variable	Variable
Hemlock	25	XLog/Log	20					
Black Cherry	2	Pole	8					

7 4112 - Maple, Beech, Cherry Association Sawtimber Well 37.6 104 111-140 N/A cut in 2010 as part of "South Laski hdwds" 11-008-08-011/6/26 - Ready to harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	70	Log/Pole	12	104	Hemlock	Low	>20 feet	>20 feet
Red Maple	15	Log/Pole	10		Red Maple	Medium	Variable	Variable
Yellow Birch	5	Pole/Log	8		Sugar Maple	Medium	Variable	Variable
Hemlock	5	Log	16					
White Spruce	1	Pole/Sapling	6					
Balsam Fir	1	Pole/Sapling	6					
Basswood	3	Log/Pole	14					

8 6129 - Mixed Coniferous Lowland Forest Sawtimber Well 10.8 82 111-140 N/A Wet ground. Trib to Otter River. BMP issues

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	35	Log/Pole	12	82
Balsam Fir	20	Pole	8	
White Spruce	20	Log/Pole	12	
Hemlock	10	Log/Pole	12	
Red Maple	5	Pole	8	
Black Ash	10	Log/Pole	10	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																	
9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	64.7	107	81-110	N/A	Harvested winter 2021-2022. Hodges Hills 11-008-181/6/26 - monitor treatment removed, regen successful.																																																																	
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10	4119 - Mixed Northern Hardwoods	Poletimber Well	15.5	89	81-110	N/A	Harvested winter 2021-2022. Hodges Hills 11-008-181/6/26 - monitor treatment removed, was successful.																																																																	
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11	6121 - Tamarack	Sapling Poor	45.5	107	1-50	N/A																																																																		
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15	4115 - Y.Birch, Hemlock NH	Poletimber Well	8.7	89	141-170	N/A	Part of fmp hdwd cut in 2000. Good hemlock regen- 1'-10' tall.Poor quality timber.																																																											
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16	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	7.8	5	Immature	N/A	Harvested winter 2021-2022. Hodges Hills 11-008-18. Final harvest strip. Reserved: hemlock, cedar, white pine and large diameter yellow birch.1/6/26 - monitor treatment terminated, was successful.																																																											
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17	4112 - Maple, Beech, Cherry Association	Sawtimber Well	77.0	93	111-140	N/A	The north east arrow of the stand was not harvested through in 2008 because of a pocket of smaller diameter timber.1/6/26 - Ready for harvest. Mark with leaf off if possibly, brushy. Atv accessible due to deer hunters brushing the roads.																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
20	6229 - Mixed Lowland Shrub	None	6.0			No	Wet drainage area