



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11068

Entry Year 2024

Acreage: 1,859

County Ontonagon

Management Area: Houghton Hardwoods

Stand Examiner: Ryan Mattila

Legal Description:

T53N R37W Sec 7, 8, 10, 15, 16, 17, 18, 21

Identified Planning Goals:

Fourteen Mile Point Lake Plain.

To maintain a healthy; sustainable forest with special consideration to wildlife habitat, fisheries habitat, and recreational needs while maintaining hemlock cover.

Soil and topography:

The compartment is level and wet for the most part. Old beaches are present inland along Lake Superior and the Misery River flows through the east of the compartment.

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

Most adjacent lands are owned by forest industry with some small private owners to the east.

Unique Natural Features:

The Misery River flows along the eastern edge of the compartment and old beaches can be found inland from the Lake Superior shoreline.

Archeological, Historical, and Cultural Features:

There is evidence historic tribal activity in the area of the Misery River mouth.

Special Management Designations or Considerations:

The compartment is a designated waterfowl management area and contains Great Lake Marsh.

Watershed and Fisheries Considerations:

The Misery River and its tributaries to Lake Superior are trout streams.

Wildlife Habitat Considerations:

Compartment 68 is found in the Fourteen Mile Point Lake Plain Management Area a Till-floored Lake Plain in northern Ontonagon County. The dominant forest communities are dry mesic northern forests, mesic northern forests, and boreal forests. Major forest cover types include Northern Hardwood, Hemlock, and Paper Birch. This area is identified as a deer wintering complex however in recent years deer activity in the area has been limited however wildlife management and silvicultural prescriptions here are intended to maintain 70% or greater crown closure within hemlock stands, promote expansion of hemlock inclusions and increase crown closure which provided excellent habitat for American Marten as well as deer.

The following have been identified, as featured species for the Fourteen Mile Point Lake Plain Management Area: American Marten, Pileated Woodpecker, and White-Tailed Deer.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) clay and silt. There is insufficient data to determine the glacial drift thickness. The Precambrian Freda Sandstone sub crops below the glacial drift. There is not a current economic use for the Freda. Abandoned copper mines are located ten miles to the southeast. The compartment has not been leased before. The nearest gravel pits are located two miles to the east and potential appears very limited. There is no economic oil and gas production in the UP.

Vehicle Access:

Access is from M-26 and county roads. Internal access is by foot only.

Survey Needs:

No survey work needed.

Recreational Facilities and Opportunities:

There is a boating access site on the Misery River on the east side of the compartment.

Fire Protection:

This is not a fire prone area.

Additional Compartment Information:

The following reports from the Inventory are attached:

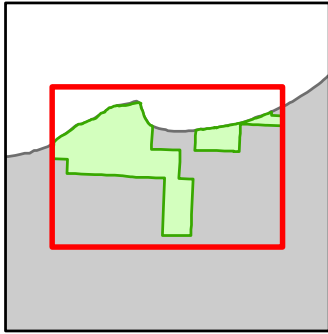
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

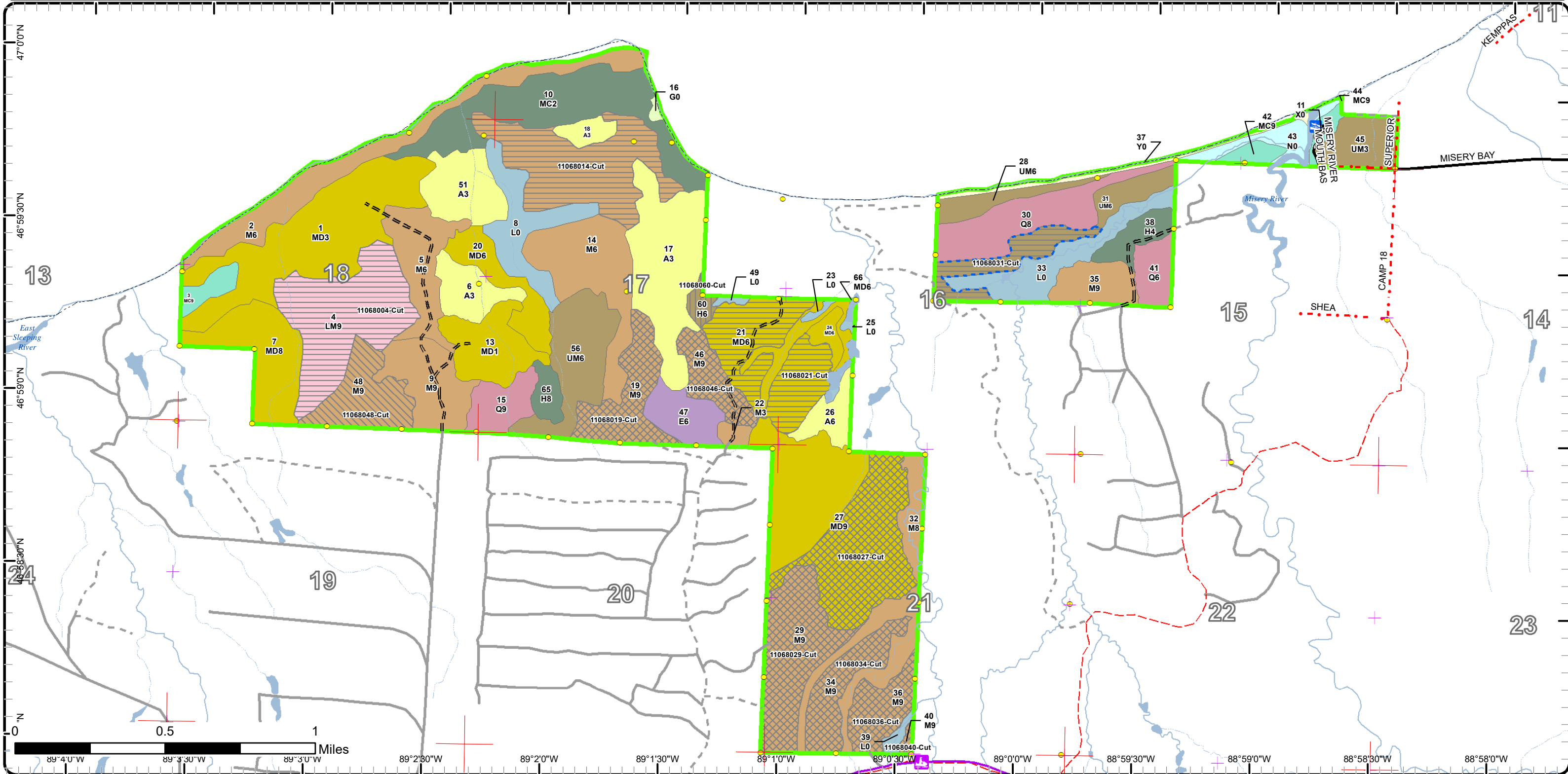
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 68
 T53N, R37W, Sec: 15-18, 21
 County: Ontonagon
 Unit: Baraga
 Mgmt Area: Fourteen Mile Point
 Lake Plain
 YOE: 2024
 Acres: 1859.4 GIS Calculated
 Examiner: Ryan Mattila
 Map Revised: 1/6/2023
 Map Phase: Post Review

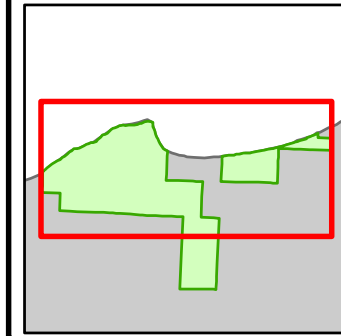


- | | | |
|--|--|---|
| <ul style="list-style-type: none"> — Miris Corners — Remonumented Section Corners ● Survey Grade Corners --- Counties — DNR - Primary Forest Road == DNR - Forest Access Route — Federal / State / County - Paved Road -.- County - Gravel Road -.- County - Dirt Road (Seasonal) — Private - Paved Road -.- Private - Dirt / Gravel Road 🚙 Snowmobile Trails 🚣 Designated Snowmobile Trails 🚤 Boating Access Site | <ul style="list-style-type: none"> --- Intermittent Stream — Lake/Pond — Perennial River — Shoreline — Lakes and Rivers 🟩 Compartment Boundary 🔵 Treatments with Site Conditions 🔵 Other Harvest - See Comments 🔵 Selection (Group, Single Tree) 🔵 Clearcut (w/Reserves) 🔵 Shelter Wood (w/Reserves) 🟤 411 - Northern Hardwood 🟡 413 - Aspen 🟠 419 - Mixed Upland Deciduous 🟢 423 - Other Upland Conifers | <ul style="list-style-type: none"> 🟢 429 - Mixed Upland Conifers 🟤 430 - Upland Mixed Forest 🟣 611 - Lowland Deciduous Forest 🟡 612 - Lowland Coniferous Forest 🟠 613 - Lowland Mixed Forest 🟤 122 - Roads/Parking Lot 🟢 310 - Herbaceous Openland 🔵 622 - Lowland Shrub 🟢 623 - Emergent Wetland 🟡 710 - Sand/Soil |
|--|--|---|

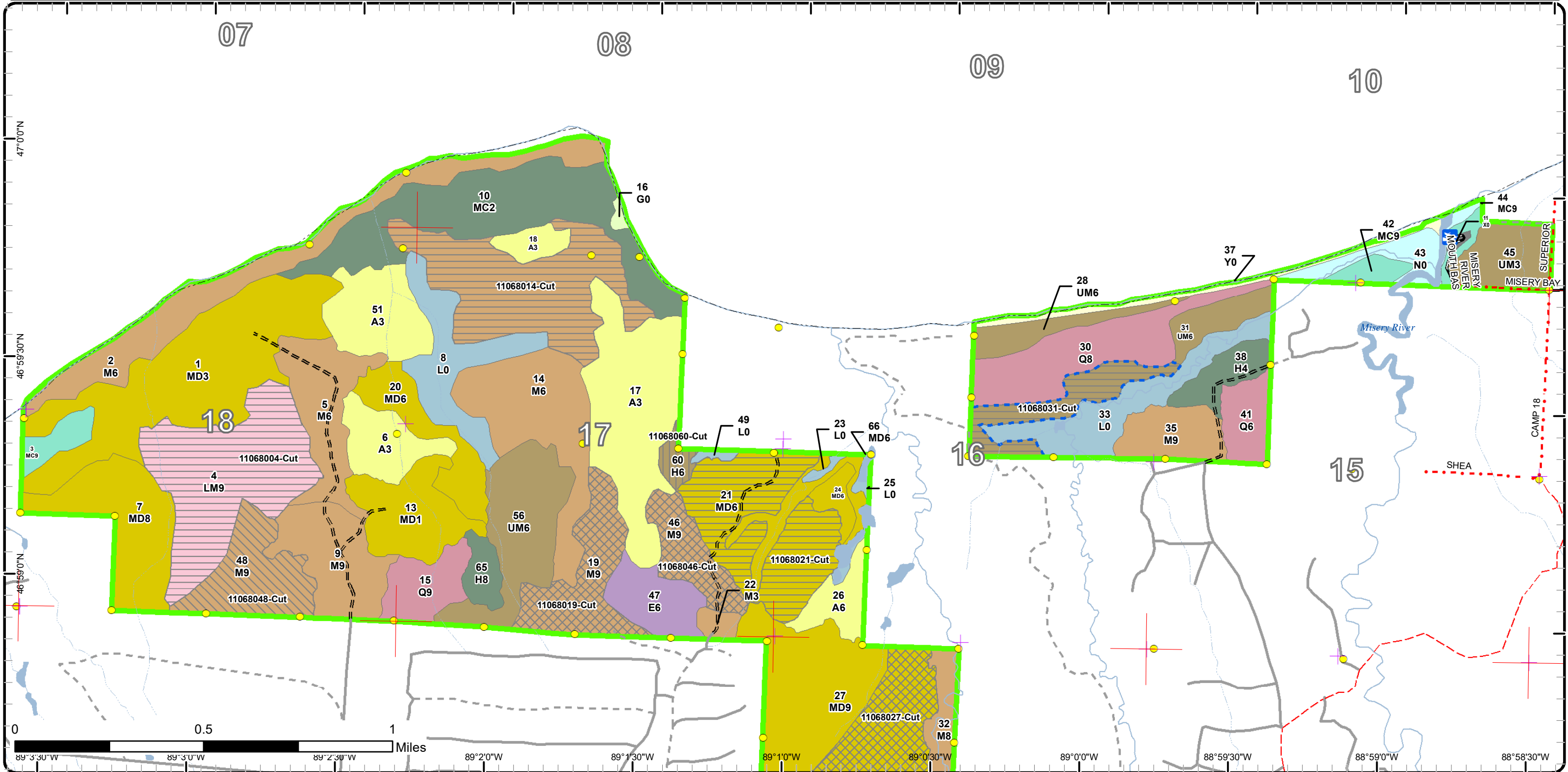


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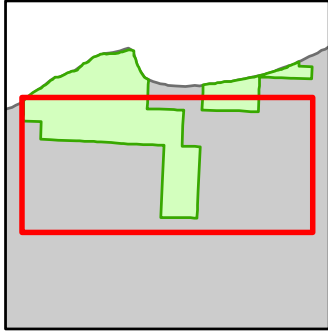


- Miris Corners
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- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
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- Private - Paved Road
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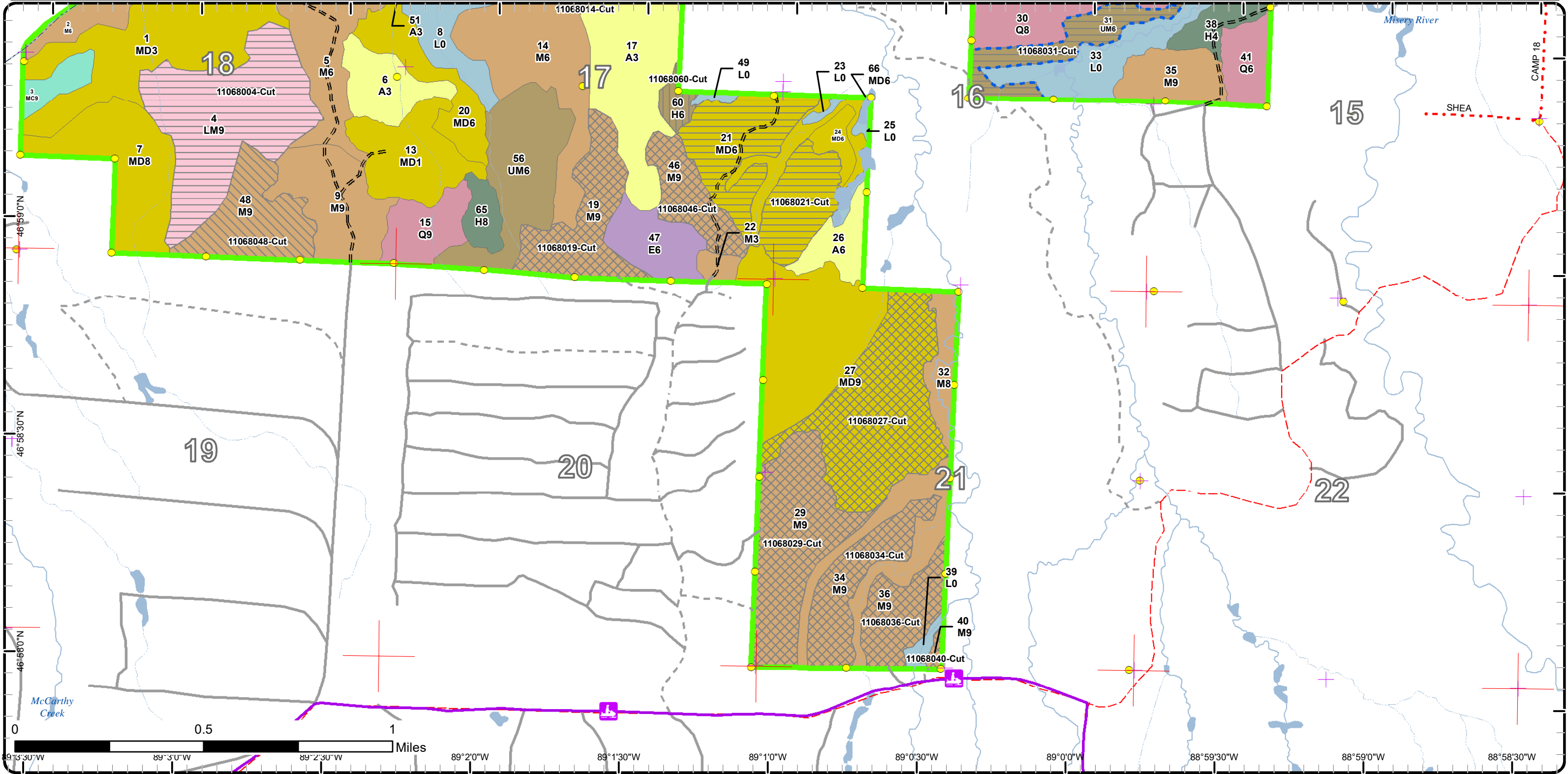


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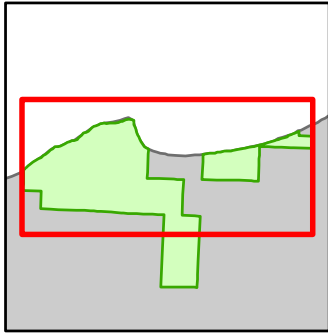


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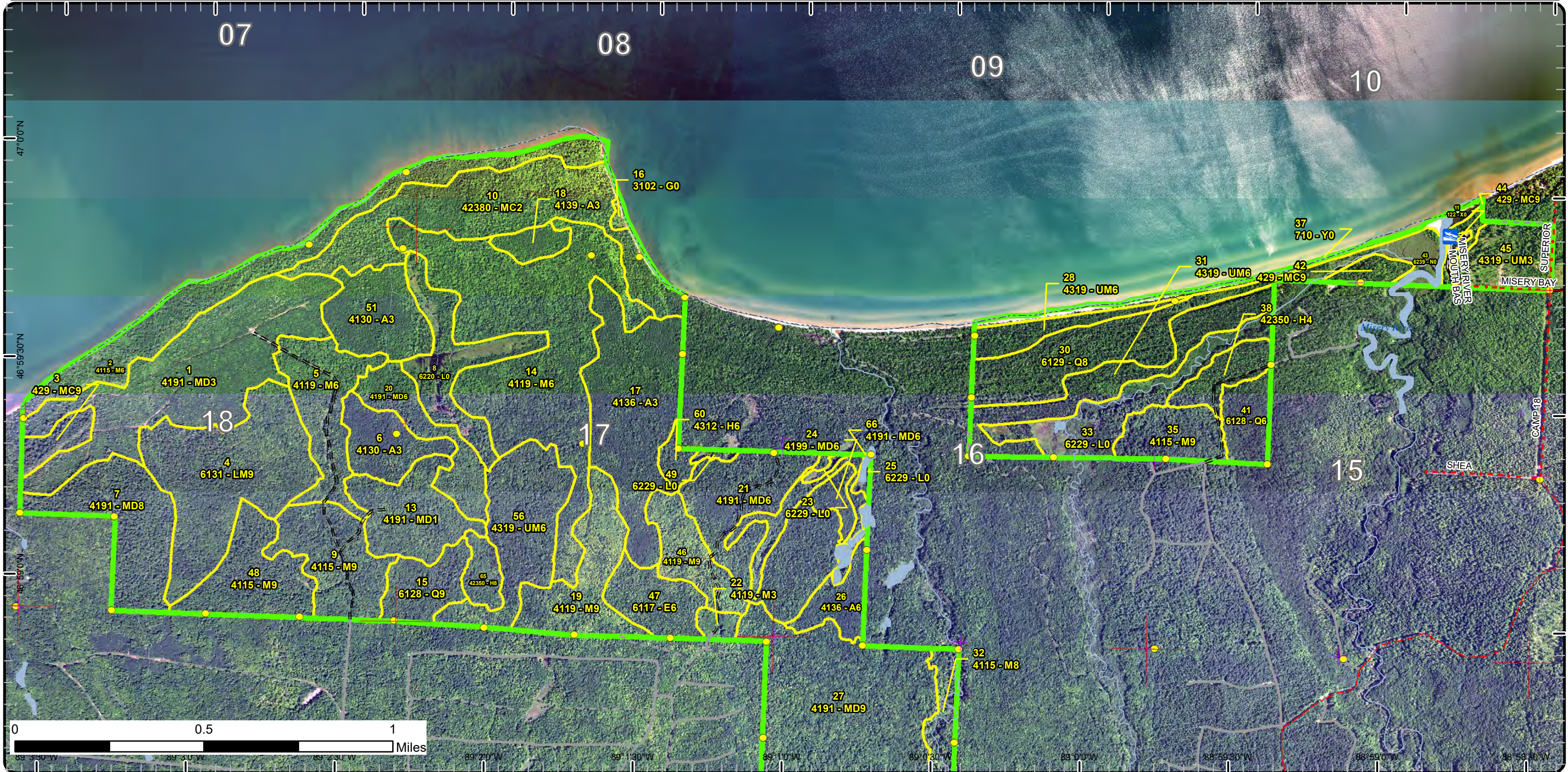


Stand Boundary Map

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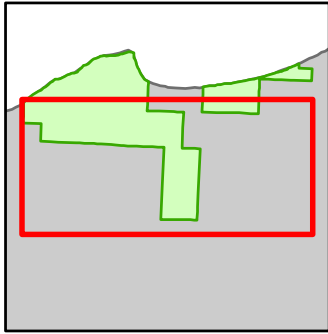


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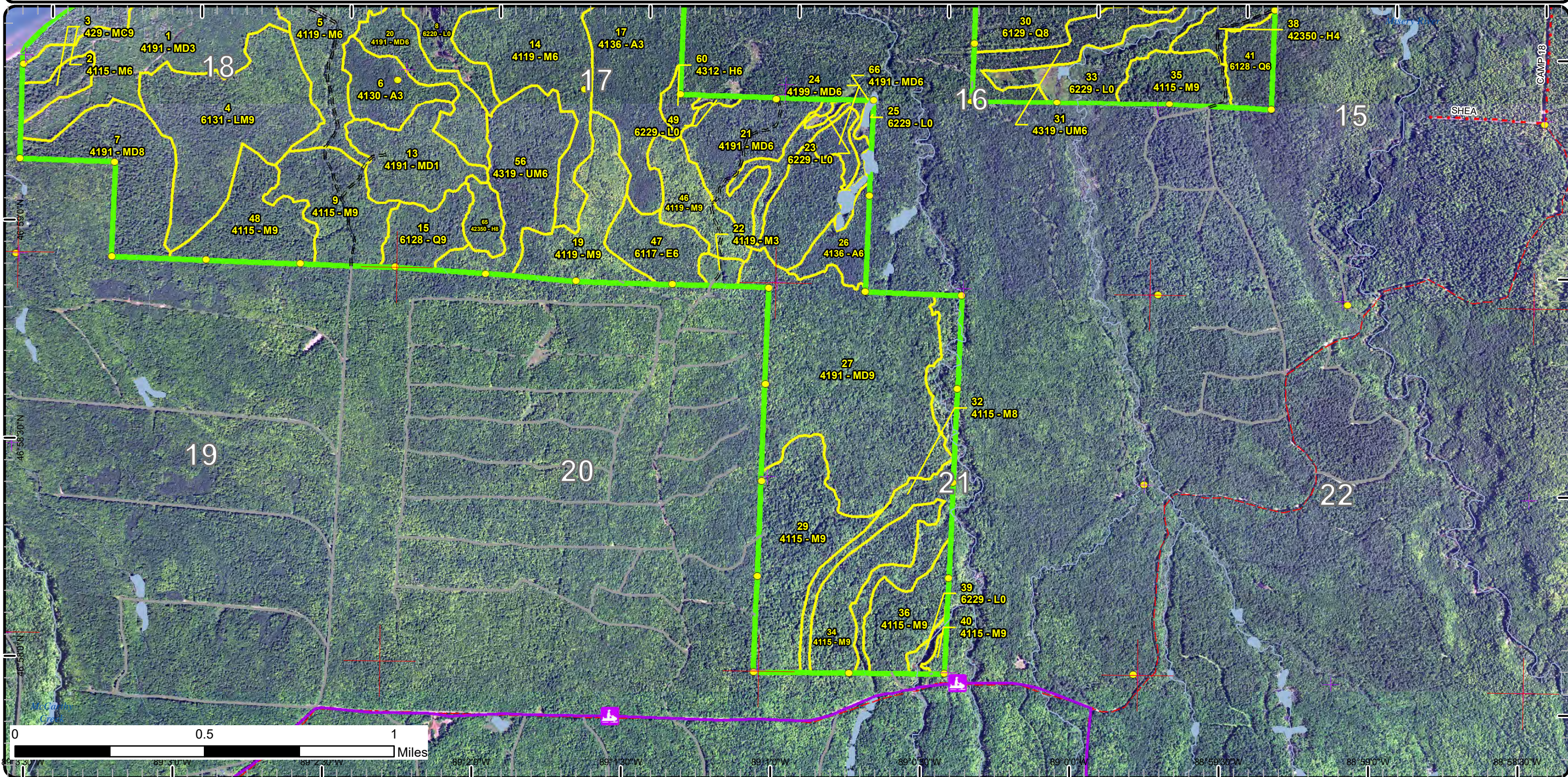


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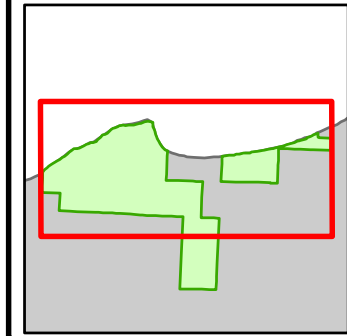


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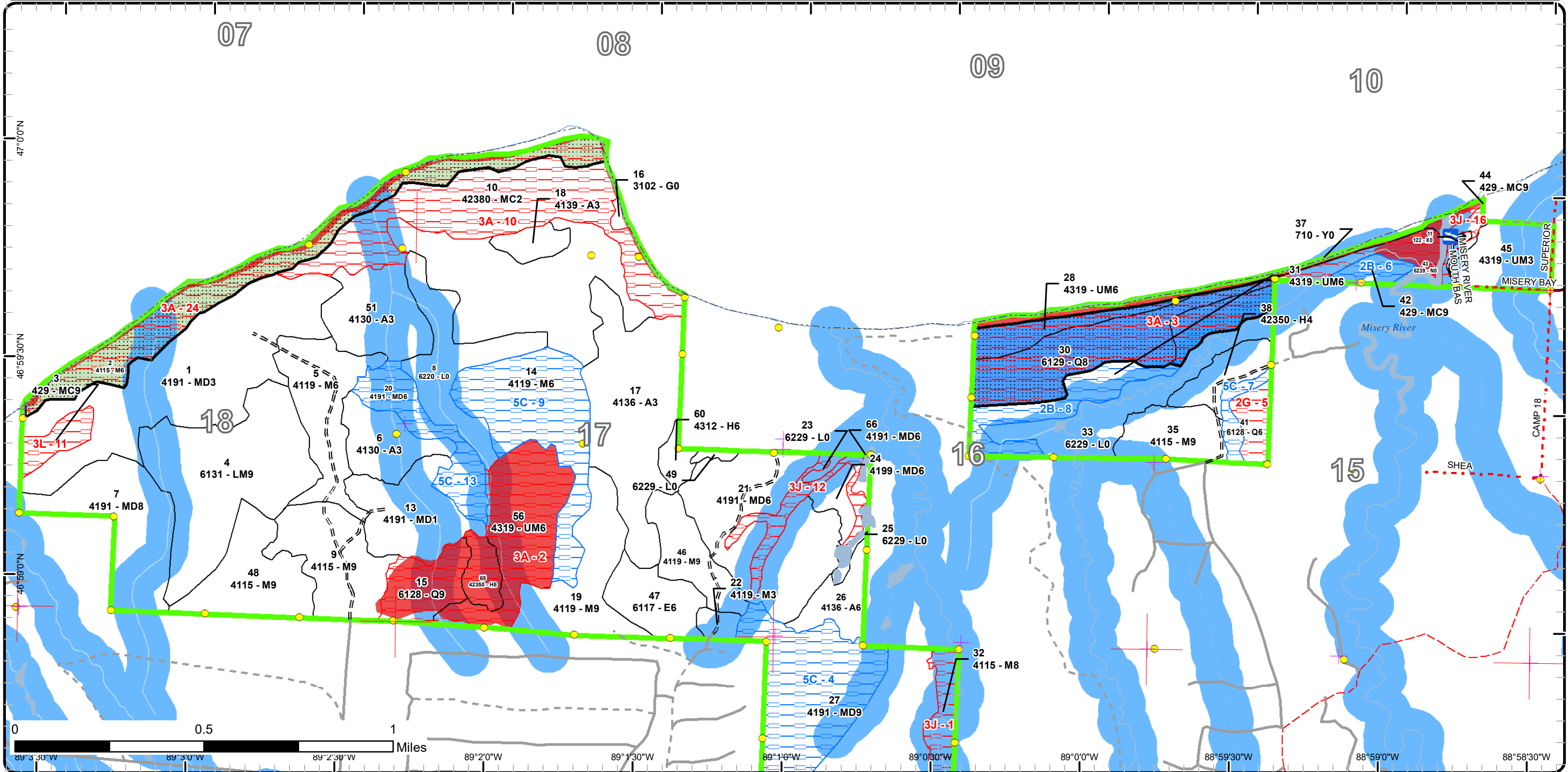


Special Conservation Areas

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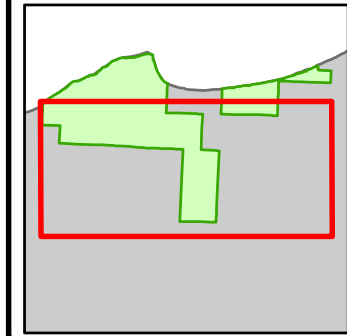


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- Shoreline
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Riparian Area
- Recreational/Scenic Value Area

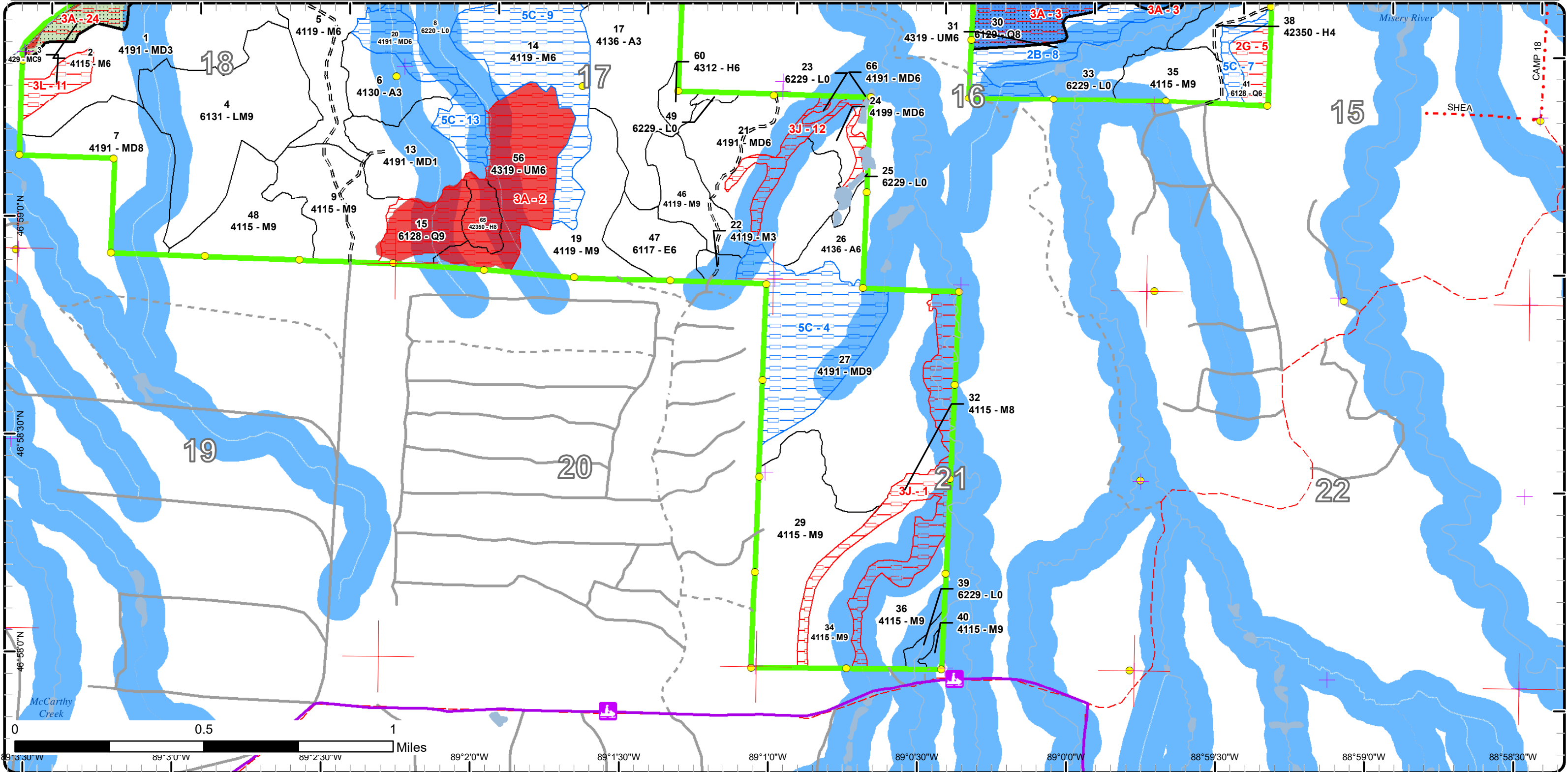


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Report 1 – Total Acres by Cover Type and Age Class



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
Aspen	0	0	0	0	9	78	0	0	0	0	0	0	0	0	0	0	0	75	162
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	16	32
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	0	73	90
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	88
Lowland Shrub	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92
Marsh	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Mixed Upland Deciduous	0	0	112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	369	481
Northern Hardwood	0	0	0	0	5	0	0	0	0	0	146	0	0	0	0	0	0	456	607
Sand, Soil	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	90	113
Upland Mixed Forest	0	26	0	0	0	0	57	0	0	0	0	0	0	0	0	0	0	52	135
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	127	26	112	0	14	78	0	57	0	0	146	0	56	0	0	0	0	1243	1859



Report 2 – Treatment Summary

Baraga Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 68

Total Compartment Acres: 1,859

Commercial Harvest - 571
 Harvests with Site Condition - 27
 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
Hemlock	0	0	0	0	6	0	0	0	0	6
Lowland Mixed Forest	88	0	0	0	0	0	0	0	0	88
Mixed Upland Deciduous	72	86	0	0	0	0	0	0	0	158
Northern Hardwood	84	196	0	0	0	0	0	0	39	319
Upland Mixed Forest	27	0	0	0	0	0	0	0	0	27
Total	271	281	0	0	6	0	0	0	39	598

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	598	0	0	0	0	0	0	0	0	598
Next Step	0	0	0	0	0	0	558	0	0	558
Total	598	0	0	0	0	0	558	0	0	1156



Stand	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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Approved Treatments:

4	11068004-Cut	87.7	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	111	111-140	Harvest	Clearcut with Retention	6139 - Mixed Lowland Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, red pine, white pine, cedar and oak. Also reserve all trees 22" Dbh or greater. <u>Specs:</u> Exclude paper birch along boundary line for a seed source. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any combination of the original stand's over story species prior to harvest. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											

14	11068014-Cut	84.0	4119 - Mixed Northern Hardwoods	Poletimber Well	91	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except hemlock, red pine, white pine, cedar and oak. Also reserve all trees 22" Dbh or greater. <u>Specs:</u> Exclude paper birch along boundary line for a seed source. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any combination of the original stand's over story species prior to harvest. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</p>											

19	11068019-Cut	41.5	4119 - Mixed Northern Hardwoods	Sawtimber Well	110	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. Follow all guidelines set forth in "The Complete Marker". <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any combination of the original stand's over story species prior to harvest. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2023</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
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21	11068021-Cut	72.2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	104	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Harvest all species down to 4.6 inches DBH except hemlock, red Pine, white pine, cedar and oak. Also reserve all trees 22" Dbh or greater.
Specs: Exclude paper birch along boundary line for a seed source.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2023

27	11068027-Cut	85.5	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	110	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. Follow all guidelines set forth in "The Complete Marker".

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2023

29	11068029-Cut	65.6	4115 - Y.Birch, Hemlock NH	Sawtimber Well	110	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. Follow all guidelines set forth in "The Complete Marker".

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Treatments:

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Proposed Start Date: 10/1 /2023



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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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31	11068031-Cut	26.7	4319 - Mixed Upland Forest	Poletimber Well	63	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Harvest all species down to 4.6 inches DBH except hemlock, red pine, white pine, cedar and oak. Also reserve all trees 22" Dbh or greater.
Specs: Exclude paper birch along boundary line for a seed source.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Any combination of the original stand's over story species prior to harvest.

Other Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2023

34	11068034-Cut	33.6	4115 - Y.Birch, Hemlock NH	Sawtimber Well	110	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. Follow all guidelines set forth in "The Complete Marker".

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Any combination of the original stand's over story species prior to harvest.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2023

36	11068036-Cut	28.3	4115 - Y.Birch, Hemlock NH	Sawtimber Well	110	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. Follow all guidelines set forth in "The Complete Marker".

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Regen: Any combination of the original stand's over story species prior to harvest.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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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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40	11068040-Cut	2.3	4115 - Y.Birch, Hemlock NH	Sawtimber Well	110	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. Follow all guidelines set forth in "The Complete Marker".

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

46	11068046-Cut	24.5	4119 - Mixed Northern Hardwoods	Sawtimber Well	110	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively thin hardwoods to 70-90 square feet of basal area. Favor oak, hemlock, white pine and cedar where present. Oak should be released on 3 sides to an average BA of 60 sqft. Where 30 sqft or more of hemlock occurs thin to less than 100 sqft of BA. Around areas of heavy Hemlock, open up the drip edge to encourage hemlock seedling establishment. Follow all guidelines set forth in "The Complete Marker".

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023

48	11068048-Cut	39.3	4115 - Y.Birch, Hemlock NH	Sawtimber Well	110	81-110	Harvest	Other - Specify	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Salvage harvest to remove the ash, mark additional trees as needed for operability.

Specs:

Next Step

Treatments:

Acceptable Any combination of the original stand's over story species prior to harvest.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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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
60 11068060-Cut	6.3	4312 - Hemlock, Mixed Deciduous	Poletimber Well	111	51-80	Harvest	Shelterwood	4312 - Hemlock, Mixed Deciduous	Two-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6 inches DBH except red pine, white pine, cedar and oak. Also reserve all trees 22" Dbh or greater. Exclude paper birch along boundary line for a seed source. Mark hemlock to cut to leave a residual BA of 40 as individual trees and in pockets.</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></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

Total Treatment Acreage Proposed: 597.5

Report 4 – Site Conditions

Baraga Mgt. Unit
Ryan Mattila : Examiner

Compartment: 68
Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
1,859	1,213	201	445
	65%	11%	24%

Dominant Site Conditions

	Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Conditions					
					2B	5C	2G	3A	3J	3L
162	162	0	0	Aspen						
33	22	0	10	Hemlock				10		
2	2	0	0	Herbaceous Openland				0		
91	0	7	84	Lowland Conifers		7	10	73		
24	24	0	0	Lowland Deciduous						
88	88	0	0	Lowland Mixed Forest						
92	92	0	0	Lowland Shrub						
19	0	0	19	Marsh				19		
480	367	98	16	Mixed Upland Deciduous		98		0	16	
607	430	62	116	Northern Hardwood		62		67	49	
13	0	0	13	Sand, Soil				13		
113	1	7	104	Upland Conifers	7			90	4	10
135	26	27	83	Upland Mixed Forest	27			83		
1	0	0	1	Urban					1	
1,859	1,213	201	445	Total Forested Acres	34	166	10	355	70	10
	65%	11%	24%	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)	49	2F: Too steep	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments:							
2	Unavailable	3A: Conservation Values incompatible with harvest at this time	84	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stands have been delineated as part of an ERA							

Report 4 – Site Conditions

Baraga Mgt. Unit
Ryan Mattila : Examiner

Compartment: 68
Year of Entry: 2024

3	Unavailable	3A: Conservation Values incompatible with harvest at this time	114	3G: Other Influence zones - See comments	Unspecified	Unspecified	Unspecified
Comments: Lakeshore influence							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	70	Unspecified	Unspecified	Unspecified	Unspecified
Comments: stand should be looked at to harvest in 2034 with the poor quality of the growing trees stand may by best manage as even aged for the next rotation							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	2B: Unknown if access through adjacent landowner(s) is possible	8	(Inactive)3I: Historical / archeological (add locked comments)	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: stand should be looked at to harvest in 2034 with adjacent hardwoods							

Report 4 – Site Conditions

Baraga Mgt. Unit
Ryan Mattila : Examiner

Compartment: 68
Year of Entry: 2024

8	Available	2B: Unknown if access through adjacent landowner(s) is possible	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	62	Unspecified	Unspecified	Unspecified	Unspecified
Comments: stand delayed to diversify age classes and should be looked at to harvest in 2034							
10	Unavailable	3A: Conservation Values incompatible with harvest at this time	90	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Low BA's and small diameter.							
11	Unavailable	3L: Other wildlife concerns	11	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Stand is a ridge of large conifers that was left as retained species for wildlife							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	16	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments: stand should be looked at to harvest in 2034 with the nearby hardwoods							

Report 4 – Site Conditions

Baraga Mgt. Unit
Ryan Mattila : Examiner

Compartment: 68
Year of Entry: 2024

16	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3A: Conservation Values incompatible with harvest at this time	67	3G: Other Influence zones - See comments	Unspecified	Unspecified	Unspecified
Comments: Great Lake Shoreline influence zone. WLD will not permit forest management.							



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
11068002	Visual Management Area	Recreational/Scenic Value Area	SCA	66
Comments				
Lake Superior Shoreline influence zone				
11068030	Spring Wetlands Riparian Area	Riparian Area	SCA	82
Comments				
Lake Superior Shoreline influence zone – dune and swale complex				



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Type 1 and Type 2 Old Growth	Old-Growth forest (also termed primary forest, ancient forest, virgin forest, or primeval forest) is an area of forest that has few or no signs of human disturbance and that exhibits unique ecological features related to age, composition and associated structure. Old growth forests are of natural origin. They may be dominated by late successional forest species (i.e. sugar maple and American beech), or may be a very old example of a stand dominated by long-lived early- or mid-seral species (i.e. oak, or red pine).
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1 4191 - Mixed Upland Deciduous with Conifer Sapling Well 111.9 17 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	15	Sapling	1	17
Northern White Cedar	5	Pole	7	
Quaking Aspen	20	Sapling	1	17
Paper Birch	20	Sapling	1	17
White Pine	3	Log	16	
White Spruce	15	Sapling	1	17
Red Maple	15	Sapling	1	17
Black Ash	5	Sapling	1	17
White Pine	2	Sapling	1	17

2 4115 - Y.Birch, Hemlock NH Poletimber Well 66.6 111 81-110 N/A

2022 - stand not visited during this inventory cycle
2012 - Lots of Windthrow, Birch is dead or dying,

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	15	Log	12		Maple (spp.)	Full	Variable	Sapling
Sugar Maple	10	Pole	8		Balsam Fir	Full	>20 feet	Sapling
Red Maple	25	Pole	9	111	Northern White Cedar	Full	>20 feet	Pole
Yellow Birch	10	Pole	9		White Spruce	Full	>20 feet	Sapling
Paper Birch	10	Pole	8		Paper Birch	Full	>20 feet	Sapling
White Ash	15	Pole	7		White Ash	Full	10 - 20 feet	Sapling
Hemlock	15	Log	12					

3 429 - Mixed Upland Conifers Sawtimber Well 10.5 111 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	20	Log	17	
Hemlock	30	Log	16	
White Pine	50	Log	18	111

4 6131 - Hemlock, White Pine, Maple, Birch Sawtimber Well 87.8 111 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	10	Pole/Log	9		Red Maple	Full	Variable	Sapling
White Ash	10	Pole/Log	9		Yellow Birch	Full	Variable	Sapling
Red Maple	35	Pole/Log	9	111	White Spruce	Full	>20 feet	Pole
Yellow Birch	5	Pole	6		Hemlock	Full	>20 feet	Pole
Paper Birch	5	Pole	8		Northern White Cedar	Full	>20 feet	Pole
Balsam Fir	5	Pole	6		Balsam Fir	Full	>20 feet	Sapling
White Spruce	5	Pole	6					
Hemlock	25	Log	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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5	4119 - Mixed Northern Hardwoods	Poletimber Well	40.5	110	81-110	N/A																																																																							
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6	4130 - Aspen	Sapling Well	23.7	34	51-80	N/A																																													
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7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Medium	51.6	110	81-110	N/A	2022: stand appears to have been opened up a lot in 2004 there is a lot of advance regen coming in and the canopy is still quite open. Hold for 10 more years before harvesting.																																																																					
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Northern White Cedar	Full	>20 feet	Pole																																																																									
Tag Alder	Full	10 - 20 feet	Tall Shrub																																																																									
White Spruce	Full	>20 feet	Sapling																																																																									
Balsam Fir	Full	>20 feet	Sapling																																																																									

8	6220 - Alder/willow	Nonstocked	39.0		Unspecified	No	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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9 4115 - Y.Birch, Hemlock NH Sawtimber Well 41.2 110 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	2	Log	10		Ironwood	Full	10 - 20 feet	Sapling
Hemlock	25	Log	12		White Spruce	Full	>20 feet	Sapling
Sugar Maple	35	Log/Pole	11	110	Hemlock	Full	5 - 10 feet	Sapling
Red Maple	30	Log/Pole	10		Maple (spp.)	Full	Variable	Sapling
Yellow Birch	5	Log	10		Yellow Birch	Full	Variable	Sapling
White Ash	3	Pole/Log	8		Balsam Fir	Full	>20 feet	Sapling
					Paper Birch	Full	Variable	Sapling

10 42380 - Non Pine Upland Conifer, Mixed Sapling Medium 90.1 21 51-80 N/A
Deciduous

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	5	Pole	7		White Ash	Low	>20 feet	Sapling
Red Maple	15	Pole	8	91	Balsam Fir	Full	Variable	Sapling
White Ash	5	Pole	8		Northern White Cedar	Low	Variable	Pole
Paper Birch	20	Pole	8		Maple (spp.)	Medium	>20 feet	Sapling
Balsam Fir	50	Sapling/Pole	2	21				
White Spruce	5	Pole/Log	10					

11 122 - Road/Parking Lot Nonstocked 1.4 0 Unspecified

13 4191 - Mixed Upland Deciduous with Sapling Poor 37.8 3 1-50 N/A
Conifer

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	10	Log	12	111	Paper Birch	High	>20 feet	Pole
Black Ash	5	Sapling	1		White Ash	Full	>20 feet	Sapling
Red Maple	25	Sapling	1	3	Ironwood	Medium	10 - 20 feet	Tall Shrub
White Ash	15	Sapling	1		Balsam Fir	Full	>20 feet	Sapling
Yellow Birch	5	Sapling	1		Maple (spp.)	Full	Variable	Sapling
Quaking Aspen	15	Sapling	1		White Spruce	Full	>20 feet	Pole
Balsam Fir	15	Sapling	1					
Northern White Cedar	5	Pole	6					
White Spruce	5	Sapling	1					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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14 4119 - Mixed Northern Hardwoods Poletimber Well 146.0 91 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	XLog	18		Sugar Maple	Low	>20 feet	Sapling
Red Maple	45	Pole	7	91	Balsam Fir	Full	>20 feet	Sapling
Hemlock	5	Log	12		Red Maple	Full	>20 feet	Sapling
Yellow Birch	5	Pole	6					
Sugar Maple	5	Pole	7					
White Ash	5	Pole	6					
Quaking Aspen	10	Sapling/Pole	4	34				
Paper Birch	5	Pole	5					
White Spruce	5	Pole	8					
Balsam Fir	10	Sapling/Pole	4					

15 6128 - Lowland Coniferous, Mixed Deciduous Sawtimber Well 22.2 111 171-200 N/A Stand identified as part of an ERA

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Log	12		Hemlock	Low	>20 feet	Sapling
White Spruce	3	Log	12		Northern White Cedar	Low	>20 feet	Sapling
Northern White Cedar	25	Log	10		Balsam Fir	Low	>20 feet	Sapling
White Ash	10	Log	11					
Red Maple	10	Log	10					
Hemlock	47	Log	14	111				

16 3102 - Grass Nonstocked 1.8 Unspecified No

17 4136 - Aspen, Mixed Conifer Sapling Well 77.5 43 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	6		Red Maple	Low	10 - 20 feet	Sapling
Quaking Aspen	65	Pole/Sapling	6	43	Balsam Fir	Full	10 - 20 feet	Sapling
White Spruce	5	Pole	6		Northern White Cedar	Low	Variable	Pole
Balsam Fir	10	Sapling/Pole	5					
Hemlock	5	Log	14					
Paper Birch	5	Pole	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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18 4139 - Aspen, Mixed Deciduous Sapling Well 9.0 31 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Sapling	4	
Yellow Birch	5	Sapling	4	
Sugar Maple	10	Sapling	2	
Quaking Aspen	40	Sapling	3	31
White Spruce	5	Pole	8	
Paper Birch	5	Pole	8	91
Red Maple	30	Sapling/Pole	3	

19 4119 - Mixed Northern Hardwoods Sawtimber Well 41.5 110 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	65	Log/Pole	12	110	Yellow Birch	Full	>20 feet	Sapling
Red Maple	10	Pole/Log	8		Maple (spp.)	Full	Variable	Sapling
Yellow Birch	5	Pole	7		White Spruce	Full	>20 feet	Sapling
White Ash	5	Log/Pole	10		Ironwood	Full	>20 feet	Sapling
White Spruce	5	Log	14		Hemlock	Full	Variable	Pole
Hemlock	10	Log	14		Balsam Fir	Full	>20 feet	Sapling

20 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 28.0 91 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	5	Pole	5		Balsam Fir	Full	10 - 20 feet	Sapling
White Ash	15	Pole	7		White Spruce	Full	10 - 20 feet	Sapling
Red Maple	30	Pole	7	91				
Hemlock	10	Log/Pole/XLog	14					
Paper Birch	10	Pole	7					
White Spruce	10	Pole	5					
Quaking Aspen	5	Pole	5					
Yellow Birch	5	Pole	5					
Sugar Maple	5	Pole	7					
Balsam Fir	5	Sapling/Pole	4					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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21 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 72.2 104 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	5	Log/Pole	12	
Red Maple	40	Log/Pole	9	104
Hemlock	18	Log	14	
Sugar Maple	2	Pole	8	
White Pine	2	XLog	20	
Yellow Birch	5	Log/Pole	9	
Paper Birch	10	Pole	8	
Quaking Aspen	3	Sapling/Pole	4	
White Spruce	10	Log/Pole	10	
Balsam Fir	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	Variable	Sapling
Hemlock	Medium	Variable	Pole
Yellow Birch	Medium	Variable	Sapling
Balsam Fir	Full	Variable	Sapling

22 4119 - Mixed Northern Hardwoods Sapling Well 5.0 34 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	45	Sapling	2	34
Paper Birch	5	Sapling	4	34
Quaking Aspen	5	Pole	8	34
Black Cherry	5	Sapling	2	34
White Ash	20	Sapling	3	34
Ironwood	20	Sapling	2	

23 6229 - Mixed lowland shrub Nonstocked 1.6 Unspecified No

24 4199 - Other Mixed Upland Deciduous Poletimber Well 7.9 62 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Pole	8	62
Paper Birch	15	Sapling/Pole	4	
Quaking Aspen	35	Sapling/Pole	4	
Balsam Fir	10	Pole	6	
Hemlock	5	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Full	>20 feet	Sapling
Paper Birch	Low	>20 feet	Sapling
Balsam Fir	Full	Variable	Sapling

stand not visited during 2022 inventory cycle, area was excluded from harvest when mo birch was prepped in 2014 trees, look small on imagery

25 6229 - Mixed lowland shrub Nonstocked 5.9 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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26 4136 - Aspen, Mixed Conifer Poletimber Well 16.2 43 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	15	Sapling/Pole	4		Red Maple	Full	>20 feet	Sapling
Quaking Aspen	40	Sapling/Pole	4	43	Paper Birch	Low	>20 feet	Sapling
Red Maple	25	Pole	8	62	Balsam Fir	Full	Variable	Sapling
Balsam Fir	10	Pole	6					
Hemlock	5	Log	12					
White Spruce	5	Pole	7					

27 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 155.2 110 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	30	Log	14		Yellow Birch	Full	>20 feet	Sapling
Black Ash	5	Log	12		White Spruce	Full	>20 feet	Sapling
Sugar Maple	10	Pole/Log	9	110	Balsam Fir	Full	>20 feet	Sapling
Yellow Birch	5	Log	12		Hemlock	Full	Variable	Pole
White Ash	5	Pole	8		Ironwood	Full	>20 feet	Tall Shrub
White Spruce	5	Log	14		Maple (spp.)	Full	Variable	Sapling
Northern White Cedar	5	Log	12					
Red Maple	35	Pole	8	110				

28 4319 - Mixed Upland Forest Poletimber Well 15.6 63 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	30	Pole	7	63	Red Oak	Low	5 - 10 feet	Sapling
White Spruce	5	Pole	10		Balsam Fir	Full	>20 feet	Sapling
White Pine	10	Log	18	111	White Spruce	Full	>20 feet	Pole
Quaking Aspen	5	Pole/Log	10		Northern White Cedar	Full	>20 feet	Pole
Hemlock	5	Log	12		Red Maple	Full	Variable	Sapling
Red Maple	20	Pole	7					
Northern White Cedar	25	Pole	7					

29 4115 - Y.Birch, Hemlock NH Sawtimber Well 65.6 110 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Log	10		White Spruce	Full	>20 feet	Sapling
Yellow Birch	5	Log	12		Hemlock	High	10 - 20 feet	Sapling
Basswood	2	Log	12		Maple (spp.)	Full	Variable	Sapling
White Ash	3	Log	10		Yellow Birch	Full	Variable	Sapling
Northern White Cedar	3	Log	9		Balsam Fir	Full	>20 feet	Sapling
White Spruce	2	Log	12					
Sugar Maple	50	Log	12	110				
Hemlock	25	Log	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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30 6129 - Mixed Coniferous Lowland Forest Sawtimber Medium 51.3 111 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	6		Balsam Fir	High	Variable	Sapling
Northern White Cedar	25	Pole	7		Northern White Cedar	Low	Variable	Pole
White Pine	20	XLog	18		Hemlock	High	Variable	Pole
Hemlock	40	Log	12	111	White Spruce	Medium	>20 feet	Pole
Red Maple	5	Pole	8		Red Maple	Medium	Variable	Sapling
Yellow Birch	5	Pole	5					

31 4319 - Mixed Upland Forest Poletimber Well 41.8 63 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	25	Pole	7		Red Maple	Full	Variable	Sapling
Quaking Aspen	5	Pole/Log	10		Balsam Fir	Full	>20 feet	Sapling
White Spruce	5	Pole	10		White Spruce	Full	>20 feet	Pole
White Pine	10	Log	18	111	Northern White Cedar	Full	>20 feet	Pole
Hemlock	5	Log	12					
Paper Birch	30	Pole	7	63				
Red Maple	20	Pole/Log	9					

32 4115 - Y.Birch, Hemlock NH Sawtimber Medium 49.2 111 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Log	12		Hemlock	High	Variable	Pole
White Spruce	5	Log	14		Tag Alder	Full	10 - 20 feet	Tall Shrub
Hemlock	20	Log	16		Maple (spp.)	Full	Variable	Sapling
Black Ash	10	Log	12		Balsam Fir	Full	>20 feet	Sapling
Red Maple	40	Log	12	111	White Spruce	High	>20 feet	Sapling
Sugar Maple	20	Log	12		Black Ash	High	10 - 20 feet	Sapling

33 6229 - Mixed lowland shrub Nonstocked 39.4 Unspecified No

34 4115 - Y.Birch, Hemlock NH Sawtimber Well 33.6 110 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	3	Log	10		White Spruce	Full	>20 feet	Sapling
Sugar Maple	45	Log	12	110	Hemlock	Full	10 - 20 feet	Sapling
Red Maple	10	Log	10		Balsam Fir	Full	>20 feet	Sapling
White Ash	2	Log	12		Maple (spp.)	Full	Variable	Sapling
Yellow Birch	5	Log	9		Yellow Birch	Full	Variable	Sapling
Hemlock	35	Log	11					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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35	4115 - Y.Birch, Hemlock NH	Sawtimber Well	23.6	110	81-110	N/A	2018: Wolf Point Hdwd,unit 5, cut in winter 2017-2018.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Northern White Cedar					5	Log	12		Northern White Cedar				Low	>20 feet	Pole
Sugar Maple					45	Log/Pole	10	110	White Spruce				High	>20 feet	Pole
Hemlock					15	Log/Pole/XLog	14		Balsam Fir				High	>20 feet	Pole
Yellow Birch					5	Pole	8		Hemlock				High	>20 feet	Pole
Red Maple					30	Log/Pole	10		Yellow Birch				High	Variable	Sapling
									Maple (spp.)				Full	Variable	Sapling

36	4115 - Y.Birch, Hemlock NH	Sawtimber Well	28.3	110	111-140	N/A	
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Hemlock					30	Log	14		White Spruce				Full	>20 feet	Sapling
Black Ash					8	Log	10		Black Cherry				Medium	>20 feet	Sapling
Red Maple					10	Log	10		Maple (spp.)				Full	Variable	Sapling
White Ash					2	Log	10		Balsam Fir				Full	>20 feet	Sapling
Yellow Birch					5	Log	12		Hemlock				Full	10 - 20 feet	Sapling
Sugar Maple					45	Log	12	110	Yellow Birch				Full	>20 feet	Sapling

37	710 - Sand, Soil	Nonstocked	12.6		Unspecified	No	
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38	42350 - Upland Hemlock	Poletimber Poor	16.0	111	1-50	N/A	2018; Misery Bay SBW, cut winter 2017-18.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Paper Birch					5	Pole	5		White Pine				Medium	>20 feet	Sapling
White Pine					5	Log	12	111	Red Maple				High	Variable	Sapling
Hemlock					80	Pole/Log	9	111	Quaking Aspen				Medium	Variable	Sapling
Red Maple					5	Pole	6		Balsam Fir				High	Variable	Sapling
Yellow Birch					5	Pole/Sapling	5								

39	6229 - Mixed lowland shrub	Nonstocked	3.8		Unspecified	No	
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40	4115 - Y.Birch, Hemlock NH	Sawtimber Well	2.3	110	111-140	N/A	
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Black Ash					8	Log	10		Balsam Fir				Full	>20 feet	Sapling
Black Cherry					5	Pole	8		Hemlock				Full	10 - 20 feet	Sapling
Sugar Maple					40	Log	12	110	Black Cherry				Medium	>20 feet	Sapling
Red Maple					10	Log	10		Maple (spp.)				Full	Variable	Sapling
White Ash					2	Log	10		White Spruce				Full	>20 feet	Sapling
Hemlock					30	Log	14		Yellow Birch				Full	>20 feet	Sapling
Yellow Birch					5	Log	12								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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41	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	17.3	111	111-140	N/A	there is a strip along the north edge of the stand and an area along the west that should be operable the rest of the stand is wet with a lot of tag elder
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Canopy Species				% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Ash				5	Pole	7		Paper Birch		Medium	>20 feet	Sapling
Northern White Cedar				40	Log	10	111	Balsam Fir		Full	>20 feet	Pole
Hemlock				20	Log	14		White Spruce		Full	>20 feet	Pole
Paper Birch				15	Pole	5		Northern White Cedar		High	>20 feet	Pole
Yellow Birch				5	Pole	6		Red Maple		Full	Variable	Sapling
Red Maple				10	Pole	6		Yellow Birch		Full	Variable	Sapling
White Spruce				5	Log	10						

42	429 - Mixed Upland Conifers	Sawtimber Well	7.5	111	51-80	N/A	
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Canopy Species				% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine				10	Log	12	111	Balsam Fir		Full	>20 feet	Sapling
Northern White Cedar				15	Log/Pole	12		White Spruce		Full	>20 feet	Sapling
Hemlock				30	Log	14	111	White Pine		Full	>20 feet	Sapling
Red Maple				25	Pole	7	56					
Balsam Fir				5	Pole	5						
Paper Birch				5	Pole	5						
Yellow Birch				5	Log/Pole	11						
White Spruce				5	Pole	6						

43	6239 - Mixed Emergent Wetland	Nonstocked	19.0		Unspecified	No	with the rise in the water level of the lake the tag elder that was the primary vegetation has mostly died.
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44	429 - Mixed Upland Conifers	Sawtimber Well	4.7	111	81-110	N/A	
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Canopy Species				% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir				5	Pole/Sapling	5		Balsam Fir		Full	>20 feet	Sapling
White Spruce				10	Pole/Log	8		Tag Alder		Full	10 - 20 feet	Tall Shrub
Paper Birch				5	Pole/Sapling	5						
Red Pine				5	Log/XLog	16						
Sugar Maple				5	Pole/Log	8						
Red Maple				20	Pole/Log	9						
Hemlock				20	Log/Pole	14						
White Pine				30	XLog	18	111					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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45 4319 - Mixed Upland Forest Sapling Well 25.9 8 Immature N/A harvested winter of 2014 Misery Pulp

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	2	XLog	18		Tag Alder	Full	10 - 20 feet	Tall Shrub
Paper Birch	2	Sapling	1		White Pine	Low	10 - 20 feet	Sapling
Northern White Cedar	5	Pole/Log	8		Hemlock	Full	Variable	Pole
Red Oak	5	Pole	7		Red Pine	Low	10 - 20 feet	Sapling
Quaking Aspen	35	Sapling	1	8				
Red Maple	10	Sapling	1					
Balsam Fir	10	Sapling	2					
White Pine	4	XLog	18					
White Spruce	2	Sapling	1					
Hemlock	25	Log	14	111				

46 4119 - Mixed Northern Hardwoods Sawtimber Well 24.5 110 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Ash	5	Log/Pole	11		Balsam Fir	Full	>20 feet	Sapling
White Spruce	5	Log	14		White Spruce	Full	>20 feet	Sapling
Hemlock	5	Log	14		Ironwood	Full	>20 feet	Sapling
Northern White Cedar	5	Log	12		Maple (spp.)	Full	Variable	Sapling
Sugar Maple	65	Pole/Log	9	110	Yellow Birch	Full	>20 feet	Sapling
Yellow Birch	5	Log	11		Hemlock	Full	Variable	Pole
Red Maple	10	Pole/Log	8					

47 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 24.3 61 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Pole	5		Ironwood	Full	>20 feet	Sapling
White Ash	10	Pole	8		Maple (spp.)	Full	Variable	Sapling
Northern White Cedar	5	Log	12		Hemlock	Full	Variable	Pole
Hemlock	10	Log/Pole/Sap	11		Yellow Birch	Full	>20 feet	Sapling
Quaking Aspen	15	Log/Pole	10		Balsam Fir	Full	>20 feet	Sapling
Paper Birch	10	Pole	6		White Spruce	Full	>20 feet	Sapling
Balsam Fir	15	Pole/Sapling	5					
Red Maple	25	Pole/Log	8	61				
White Spruce	5	Log	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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48 4115 - Y.Birch, Hemlock NH Sawtimber Well 39.4 110 81-110 N/A 2022 - cut to salvage the white ash, there is some evidence of borer activity, but most trees look good.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	10	Log	12		Northern White Cedar	Full	>20 feet	Pole
White Ash	15	Log/Pole	12		White Ash	Full	Variable	Sapling
Hemlock	20	Log	14		Hemlock	Full	Variable	Pole
Sugar Maple	10	Pole	8		Tag Alder	Full	10 - 20 feet	Tall Shrub
Red Maple	30	Log/Pole	10	110	Maple (spp.)	Full	Variable	Sapling
White Spruce	5	Log	12		Balsam Fir	Full	>20 feet	Sapling
Yellow Birch	10	Pole	8		White Spruce	Full	>20 feet	Sapling

49 6229 - Mixed lowland shrub Nonstocked 1.9 Unspecified No

51 4130 - Aspen Sapling Well 35.3 34 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	2	Sapling/Pole	4		Balsam Fir	Full	10 - 20 feet	Sapling
Yellow Birch	3	Sapling/Pole	3		White Spruce	Full	10 - 20 feet	Sapling
Paper Birch	10	Sapling/Pole	3					
White Ash	5	Pole/Sapling	5					
Quaking Aspen	65	Sapling/Pole	3	34				
Red Maple	15	Pole/Sap/Log	7					

56 4319 - Mixed Upland Forest Poletimber Well 51.9 110 81-110 N/A Stand identified as part of an ERA

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	10	Pole	7		Sugar Maple	Low	>20 feet	Sapling
White Ash	20	Log/Pole	11		Red Maple	Full	>20 feet	Sapling
Northern White Cedar	10	Log/Pole	12		Balsam Fir	Full	>20 feet	Sapling
White Spruce	5	Log	12					
Hemlock	25	Log/XLog	16	110				
Balsam Fir	10	Pole	5					
Paper Birch	5	Pole	5					
Red Maple	10	Pole/Log	8	91				
Sugar Maple	5	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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60 4312 - Hemlock, Mixed Deciduous Poletimber Well 6.3 111 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Log/Pole	13	56	Red Maple	High	Variable	Sapling
Yellow Birch	20	Log/Pole	13		Yellow Birch	Medium	Variable	Sapling
White Spruce	5	Log/Pole	10		Balsam Fir	Full	Variable	Sapling
White Ash	5	Log/Pole	11		Hemlock	Medium	>20 feet	Sapling
Northern White Cedar	5	Log/Pole	12		Hemlock	Medium	Variable	Pole
Hemlock	45	Log	14	111				

65 42350 - Upland Hemlock Sawtimber Medium 10.4 111 1-50 N/A area identified as an ERA after timber sale had sold

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	15	Pole	6		Aspen (spp.)	Medium	Variable	Sapling
Hemlock	85	Log	12	111	Paper Birch	Medium	Variable	Sapling
					Maple (spp.)	Medium	Variable	Sapling
					Balsam Fir	Medium	Variable	Sapling
					White Ash	Medium	Variable	Sapling

66 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 15.7 104 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	10	Log/Pole	10		Red Maple	High	Variable	Sapling
Balsam Fir	5	Pole	6		Yellow Birch	Medium	Variable	Sapling
Paper Birch	10	Pole	8		Hemlock	Medium	Variable	Pole
Northern White Cedar	5	Log/Pole	12		Balsam Fir	Full	Variable	Sapling
Yellow Birch	5	Log/Pole	9					
Quaking Aspen	3	Sapling/Pole	4					
Red Maple	40	Log/Pole	9	104				
Hemlock	18	Log	14					
Sugar Maple	2	Pole	8					
White Pine	2	XLog	20					