



Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45186

Entry Year 2025

Acreage: 2,334

County Mackinac

Management Area: St. Ignace Lake Plain

Stand Examiner: Nate Plato

Legal Description:

T43N-R12W, Sections 1-2, 4, 8-16 & 21-23 and T44N-R12W, Section 36

Identified Planning Goals:

This compartment is located approximately 5 miles south-southwest of Curtis. Aspen/spruce/fir mix (both upland and lowland) is the primary component of the compartment, with several hardwood stands scattered throughout. Good age class diversity exists within the aspen component. Aspen cutting has taken place every decade since the mid-1960's. Continued cutting of the mature to over-mature stands is recommended to assure adequate regeneration, and continued age class diversity. The hardwood stands are in need of management to promote health and growth. Access problems exist within large parts of the compartment. Two private landowners control access to several scattered state parcels. These holding should be considered for trading or selling.

Soil and topography:

Level lowlands to rolling uplands. Uplands consist primarily of Greylock-Adams complex, Adams sandy loam and Graveraet fine sandy loam. Minor associates include Paquin sand, Springlake loamy coarse sand, Guardlake fine sandy loam, Solona loam, and Kalkaska sand. Lowlands are primarily Markey and Carbondale mucks, but includes some Angelica muck.

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

This is the most fragmented compartment managed out of the Naubinway Field office. The compartment has three primary private landowners bordering and mixed in with the state land. There is one block of state land along the Meade Creek Road. Three forties are accessed off of Brotherton Road; also there is a private road system off of Brotherton Road that is used to access the state land in sections 14 and 15. Nine forties around Brown Lake can be accessed through private off of US-2. The other one hundred sixty acres can be access from the Harrington Grade, but these are also blocked by private land. The compartment map better illustrates how broken up the state land is in this area. Since the previous entry there has been about a 120 positive acreage change. An 80 acre parcel in section 4 that was previously part of Compartment 185 is now part of this compartment. This makes the block along the Meade Road more contiguous. There is 120 acre parcel that was purchased along this same block that is in section 8. One 80 acre parcel and a smaller 2.3 acre parcel in section 1 have been disposed off.

Unique Natural Features:

Within this compartment there are numerous osprey nests, an eagle nest, and a great blue heron rookery. Long Lake, Mitten Lake, Lily Lake and portions of Norton Creek, Taylor Creek, and Meade Creek are contained within the compartment boundaries.

Archeological, Historical, and Cultural Features:

History of old logging railroads evident also old logging camp remnants present.

Special Management Designations or Considerations:

One stand is the public access site known as Dunkles Landing on South Manistique Lake. Due to the high fragmentation of this compartment, a majority of the treatments prescribed will need landowner access prior to any field work or harvesting operations.

Watershed and Fisheries Considerations:

This compartment contains several waterbodies including Long Lake, Lily Lake, Browns Lake, Mitten Lake, and South Manistique Lake. A minimum 100-foot plus 5 feet per 1% increase in slope, buffers are recommended for these inland waterbodies in accordance with Best Management Practices.

This compartment contains Mead Creek and Taylor Creek. Taylor Creek is a designated Type 1 trout stream less than 50 foot wide and has a predicted mean July water temperature of 63.3 °F (cold stream). A 300-foot buffer is recommended for Taylor Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot plus 5 feet per 1% increase in slope, buffers are recommended in accordance with Best Management Practices.

Mead Creek is a non-designated Type 1 trout stream less than 50 foot wide and has a predicted mean July water temperature of 63.3 °F (cold stream). A minimum 100-foot plus 5 feet per 1% increase in slope, buffer is recommended for Mead Creek in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment lies within the St. Ignace Lake Plain Management Area. This is a predominantly upland area. The original land surveyor notes show a highly diverse high quality hardwood forest dominated the landscape in this compartment. Northern hardwoods continue to occupy a substantial portion of the compartment with aspen and lowland poplar occupying a similar amount of area. The lowlands that exist within the compartment contained cedar, spruce and tamarack. Open grassland and brush comprise a small proportion of this compartment. Much of this compartment falls within deer wintering complex.

Wildlife habitat objectives in this compartment include maintenance and enhancement of species and structural diversity within the hardwood forests, maintaining cedar and other lowland conifer stands, and enhancing age class diversity in some early successional stands. Hardwoods will be thinned to encourage new growth while retaining some mast producing species, those that are under-represented, and some larger woody trees for hawk nesting, including for red-shouldered hawks. Some stands containing aspen and other early successional species will be harvested to promote young regeneration favorable to deer, ruffed grouse, and woodcock. Many stands will be harvested during the winter months to allow tops to be available as browse for wintering deer. Cedar will be left to provide winter cover for deer and habitat for bobcat, bear, and other species. Grassland openings may be maintained to prevent encroachment by aspen regen and planted to include herbaceous native species and soft mast-producing shrubs which provide forage and shelter for pollinators and wildlife species such as rabbit, grouse, wild turkey and migratory birds.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state, and there is no known metallic mineral potential in this area. Multiple active sand/gravel operations and a rock quarry (crushed limestone/dolostone) exist just east of the compartment. The best potential for sand and gravel within the compartment appears to be on the uplands in sections 11 and 15. Sand & gravel operations in this region tend to be relatively small in scale, but there are many. The Port Inland limestone quarry is just over two miles southwest. There is potential for high-purity limestone beneath the compartment, but depth to bedrock, prevalence of wetlands, and lack of infrastructure may limit potential for economic development. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Access to this compartment can be quite difficult. The largest block of land can be accessed from the Meade Creek Road. This is a county road but the southern portions are only usable in the winter months. Access to the northern portion in the summer months can be gained by going through private land. The center parcels all have roads that access them but the roads all go through private land. The eastern portions of the compartment can be accessed from Brotherton Road and Harrington Grade. However private land must be crossed in order to reach state land. The southern portion has roads leading to it but these roads also go through private land.

Survey Needs:

A majority of the treatments will require blue line work. Multiple new corners will need to be established.

Recreational Facilities and Opportunities:

There are no developed recreation facilities within this compartment.

Fire Protection:

This is a low fire potential compartment. However, access issues should be noted.

Additional Compartment Information:

The following reports from the Inventory are attached:

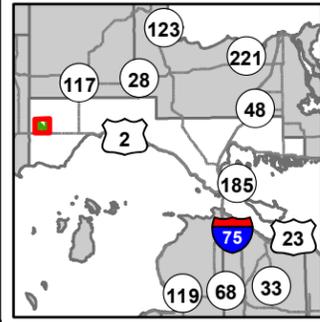
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

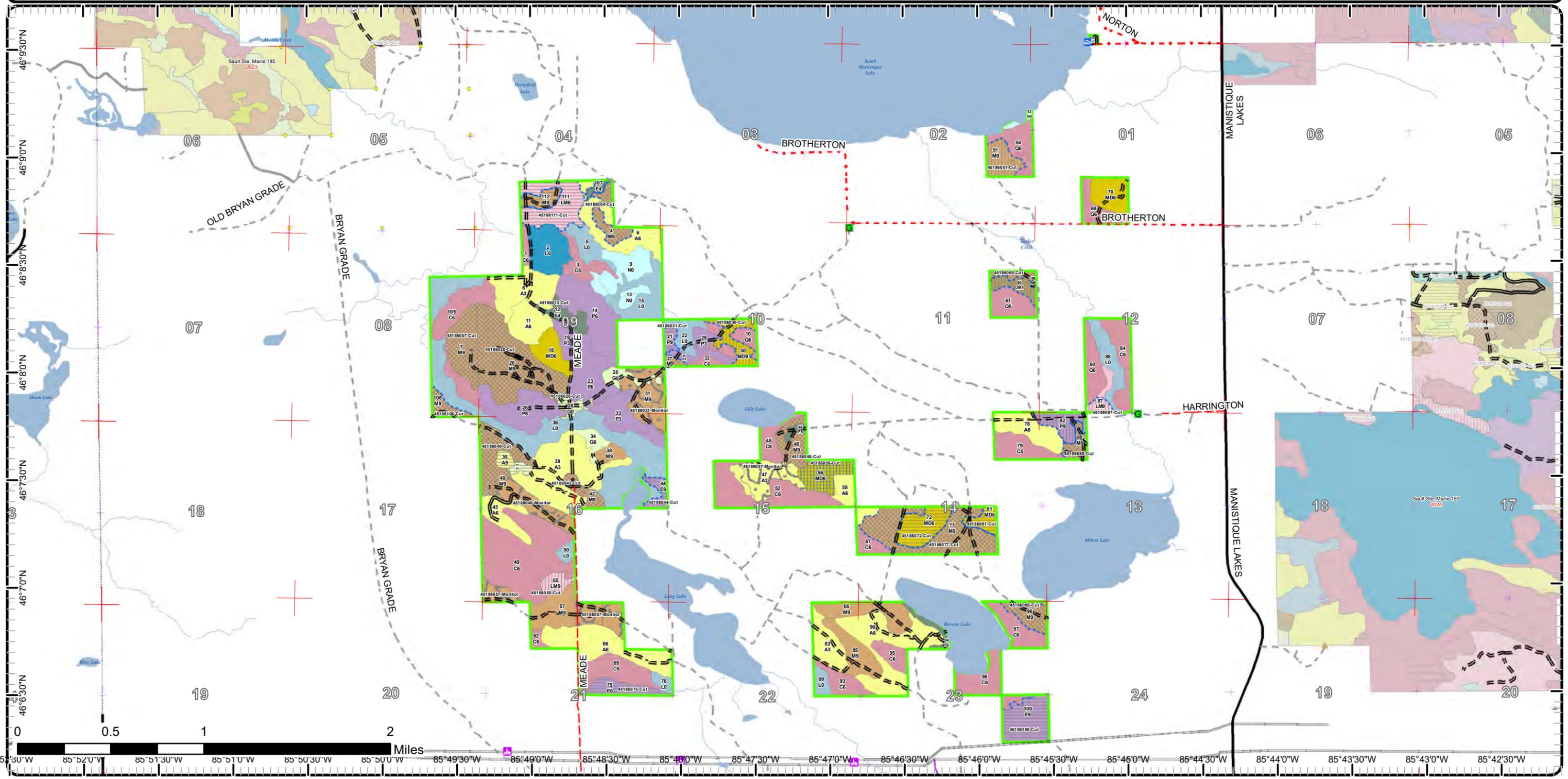
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 186
 T43N, R12W, Sec: 1, 2, 8-16, 21-23
 County: Mackinac
 Unit: Sault Ste. Marie
 Mgmt Area: St. Ignace Lake Plain
 YOE: 2025
 Acres: 2333.6 GIS Calculated
 Examiner: Nate Plato
 Map Revised: 8/2/2023
 Map Phase: Review

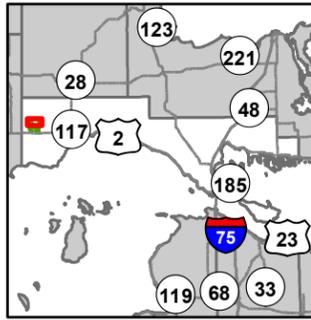


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Gate
- Boating Access Site
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Regeneration Survey
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other 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
- 629 - Mixed Non-forested Wetland

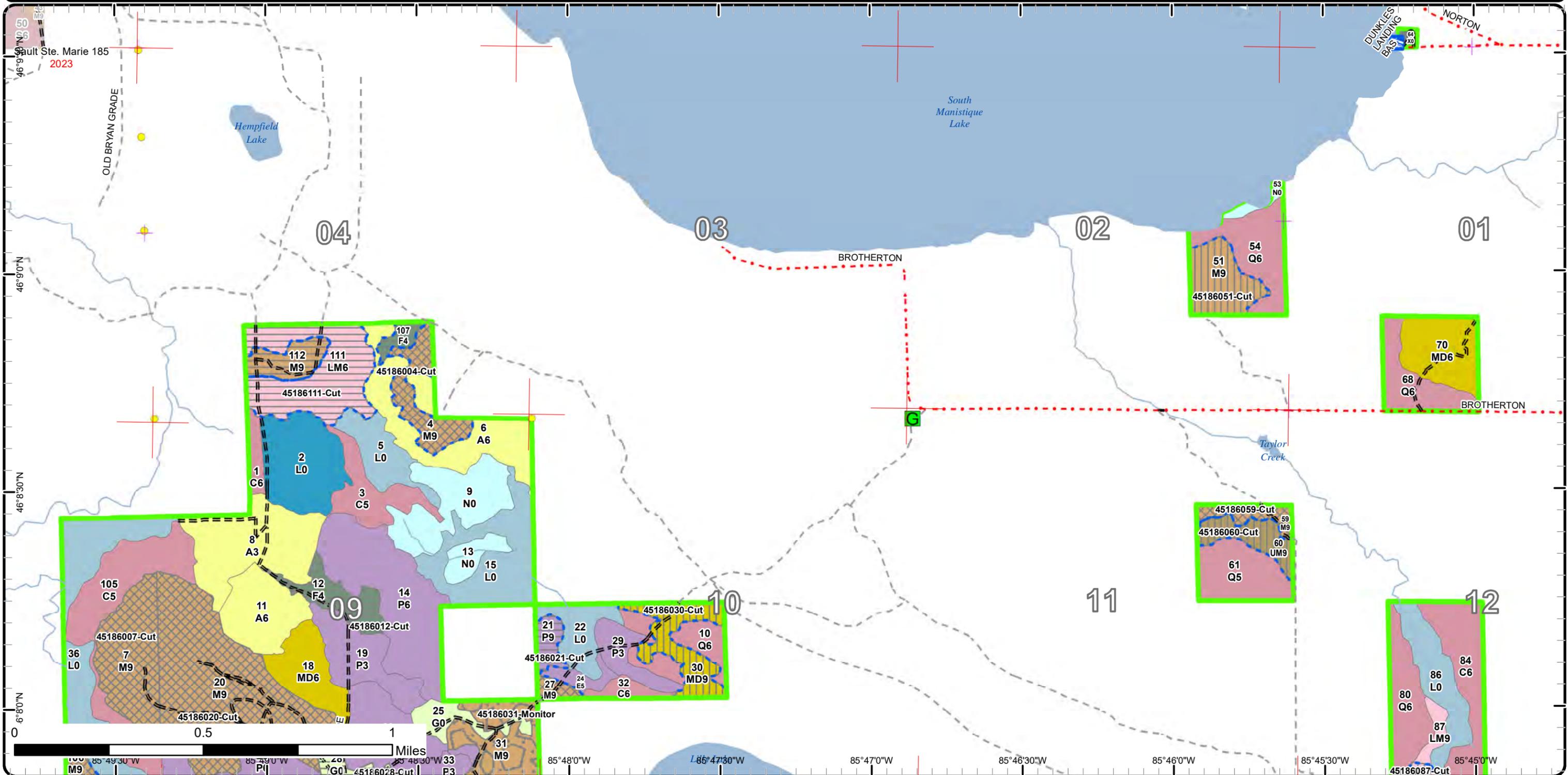


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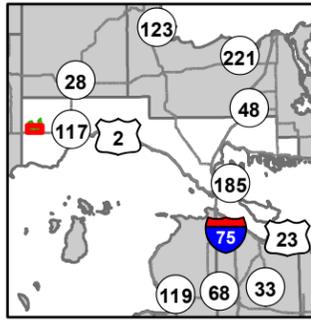


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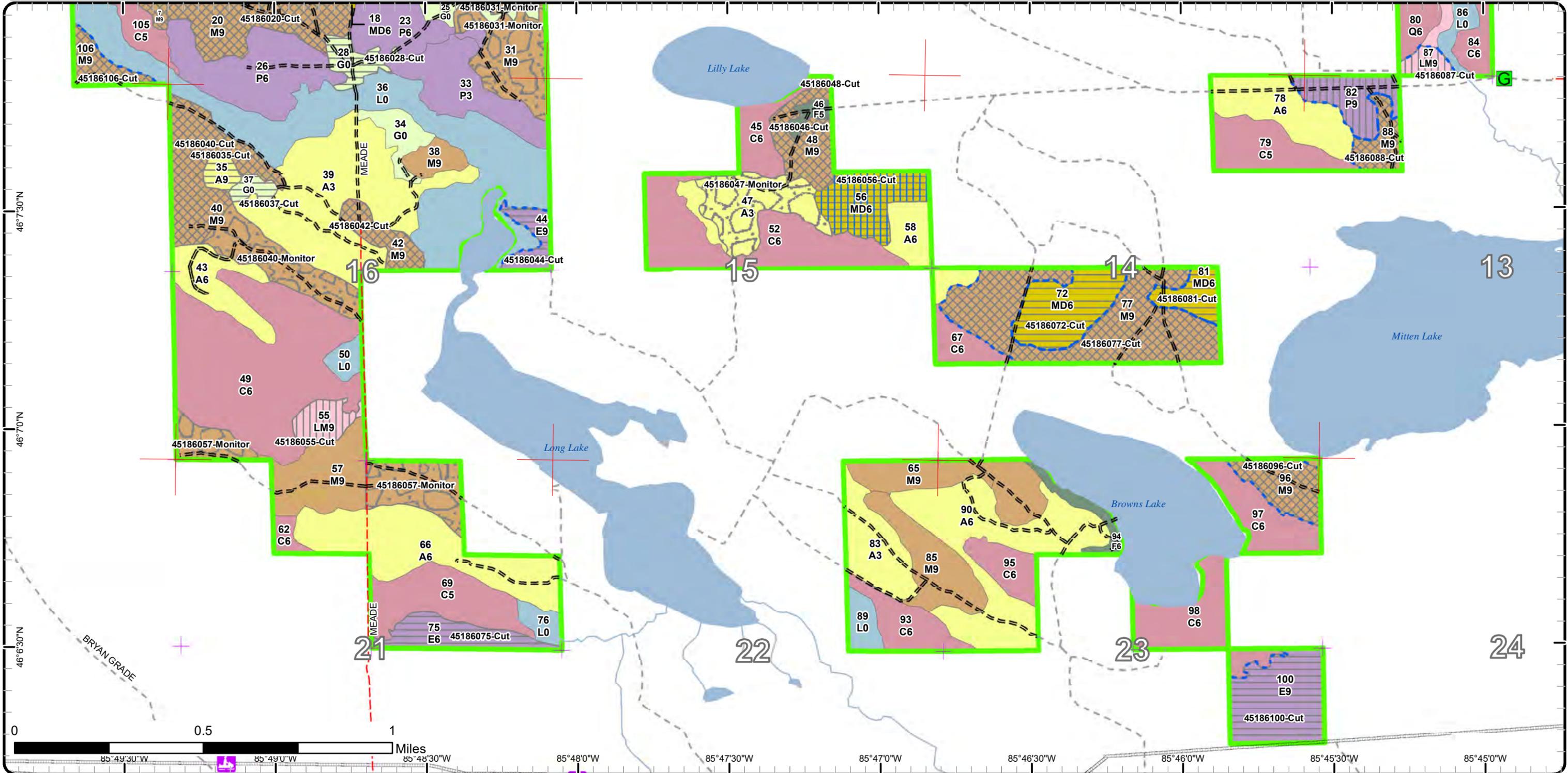


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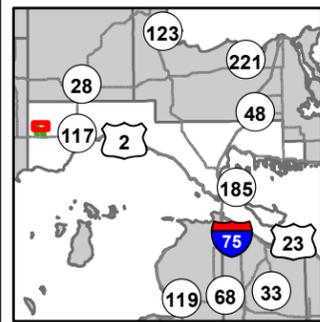


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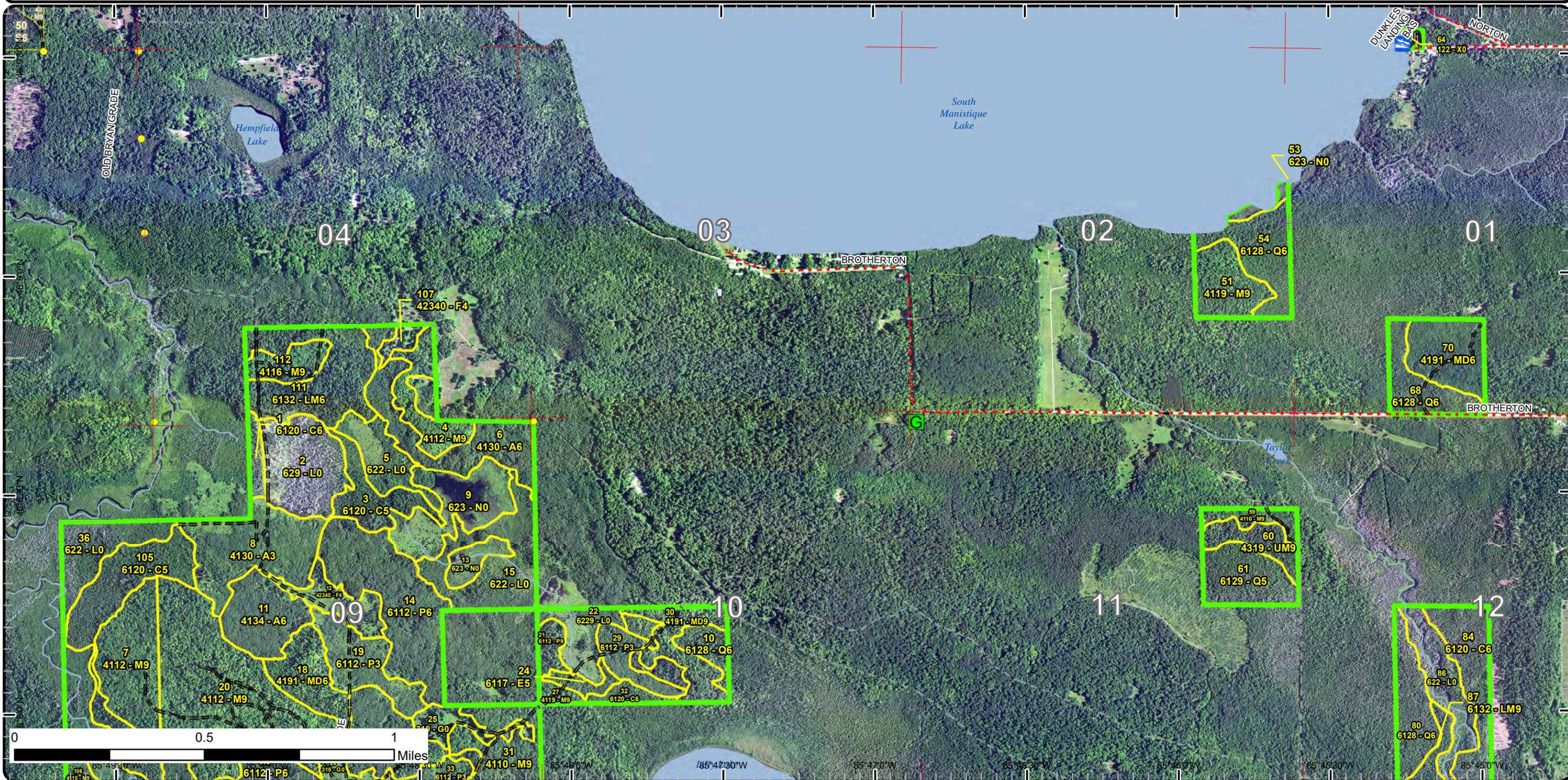


Stand Boundary Map

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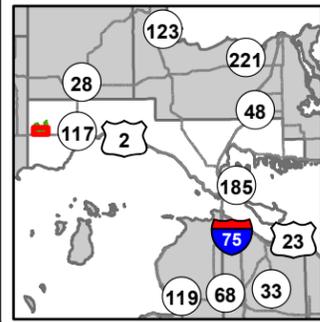


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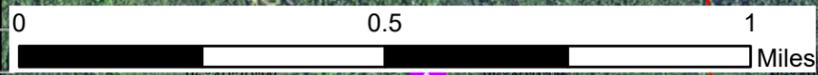
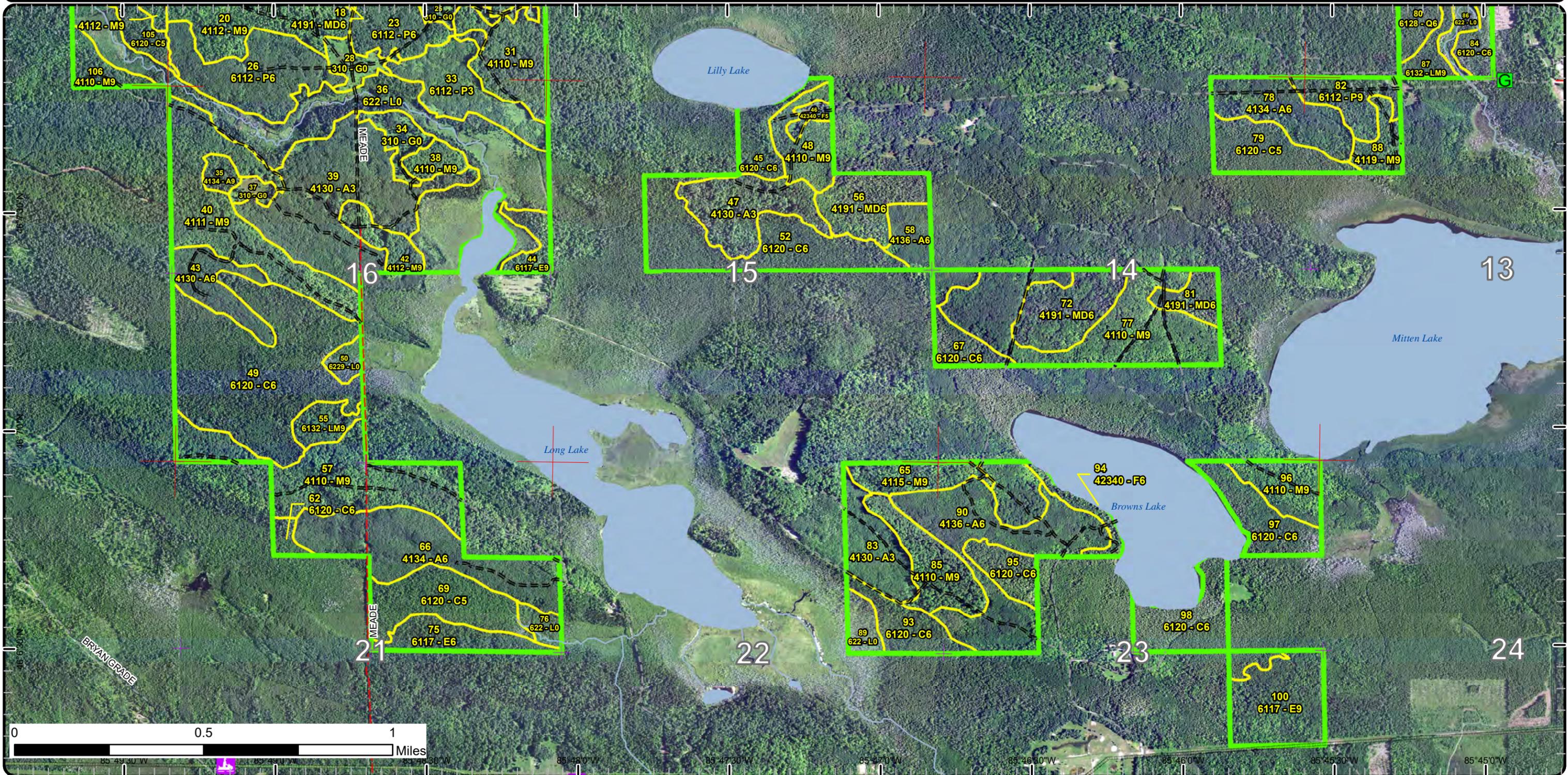


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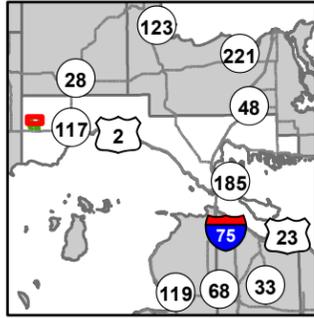
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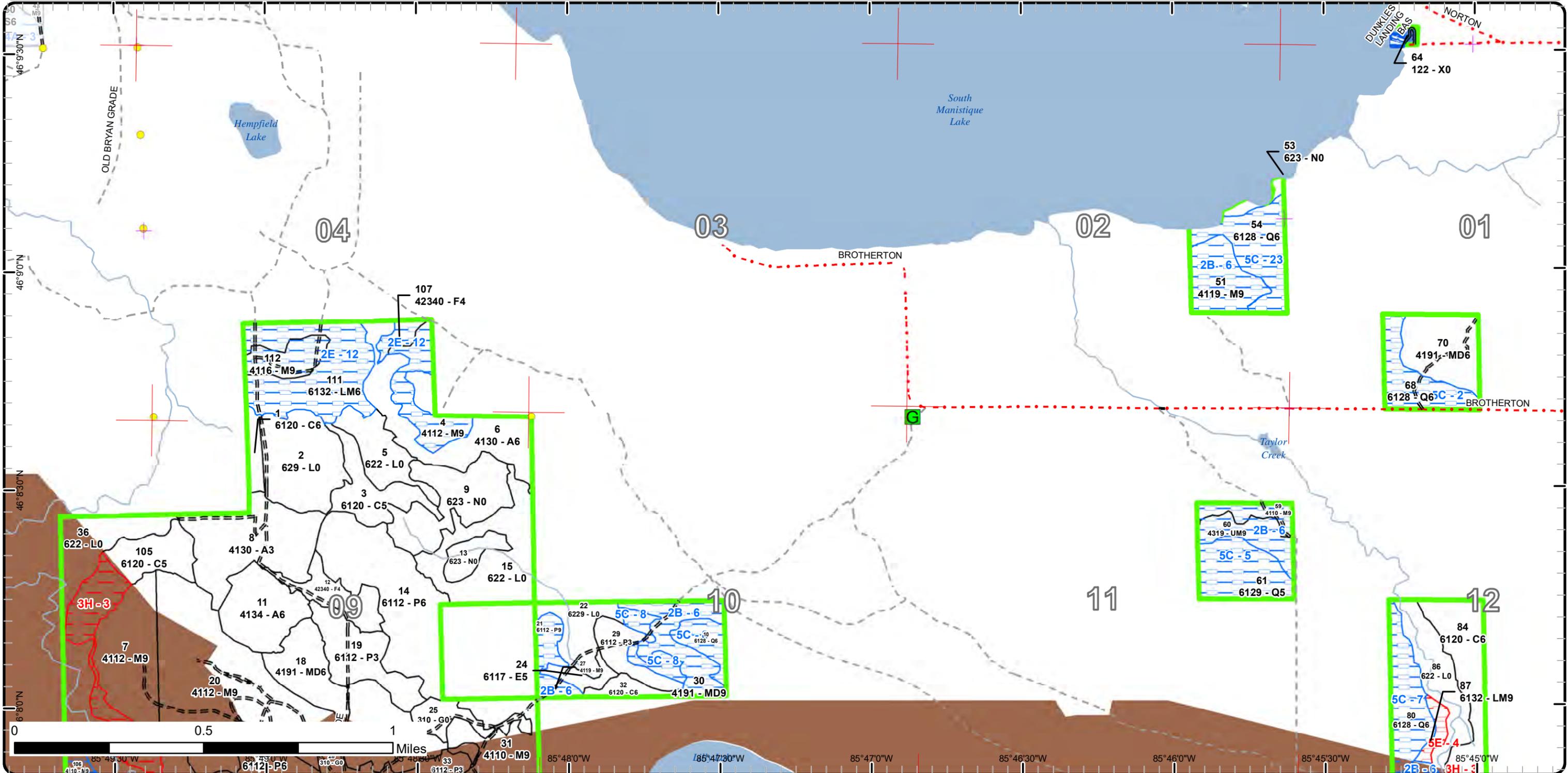
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85°49'30"W
85°48'0"W
85°47'30"W
85°47'0"W
85°46'30"W
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85°45'30"W
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Special Conservation Areas

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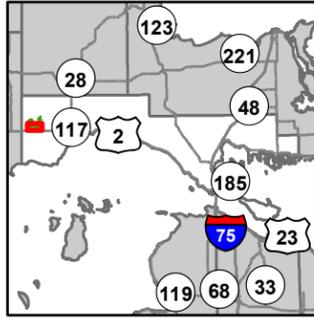


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- Compartment Boundary
- Available w/ Constraints
- 2E: Road needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range
- Boat Access Site

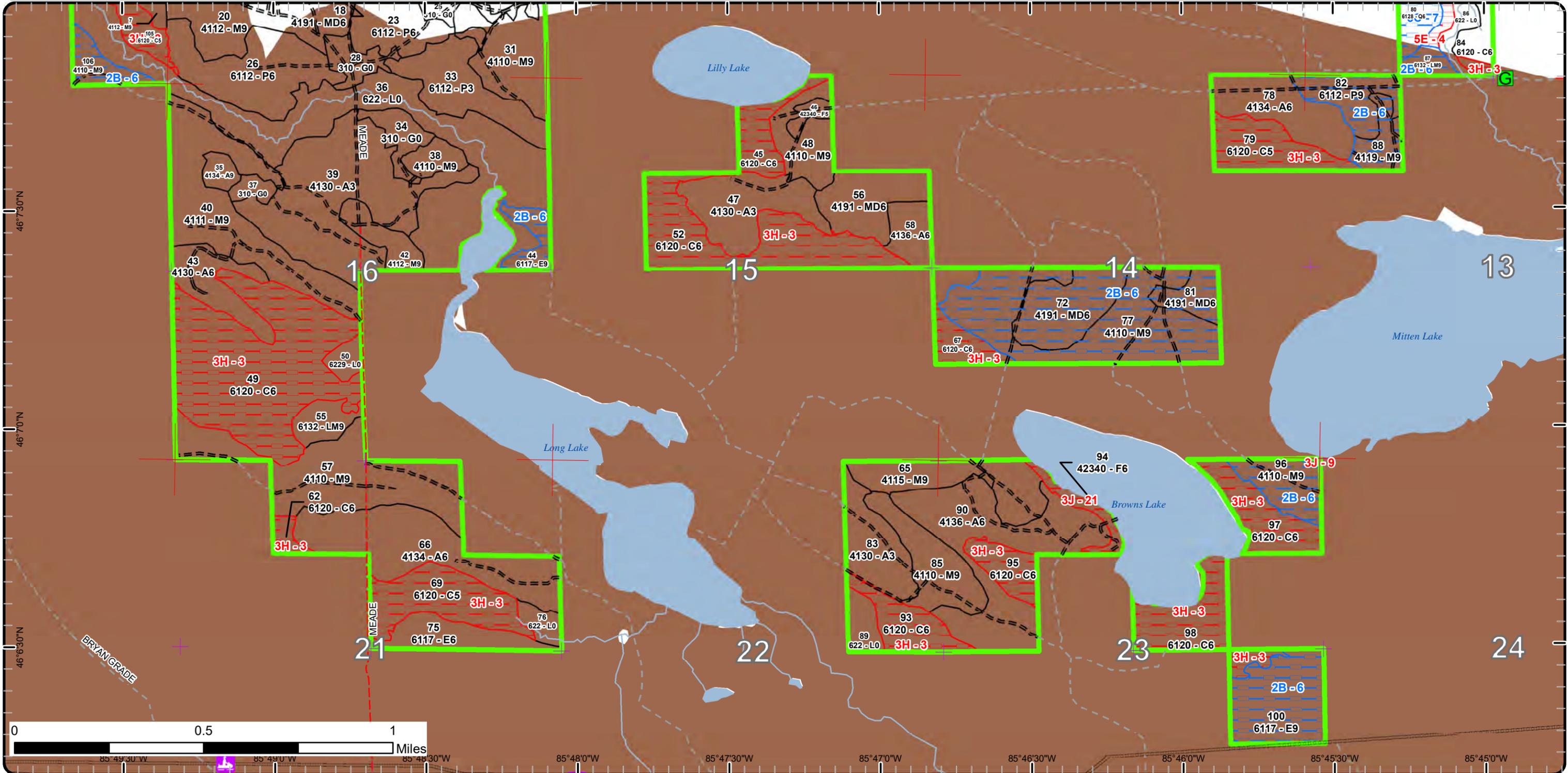


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- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range



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+	Unseen-Aged	Total
Aspen	0	32	64	164	159	0	5	0	0	0	0	0	0	0	0	0	0	0	424
Cedar	0	0	0	0	0	0	0	0	0	0	32	17	274	75	20	0	0	0	418
Herbaceous Openland	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Lowland Aspen/Balsam Poplar	0	0	53	53	79	0	0	18	0	0	6	0	0	0	0	0	0	0	209
Lowland Conifers	0	0	0	0	0	0	0	0	17	16	44	22	0	0	0	0	0	0	99
Lowland Deciduous	0	0	0	0	5	0	0	18	0	45	0	0	0	0	0	0	0	0	68
Lowland Mixed Forest	0	0	0	0	0	0	40	10	0	0	0	10	0	0	0	0	0	0	60
Lowland Shrub	279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	279
Marsh	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Mixed Upland Deciduous	0	0	0	0	23	0	11	48	0	44	0	0	0	0	0	0	0	0	125
Northern Hardwood	0	0	0	0	0	0	0	11	7	187	187	145	0	0	0	0	0	0	537
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	12
Upland Spruce/Fir	0	0	0	0	0	8	13	0	0	9	0	0	0	0	0	0	0	0	29
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Total	355	32	117	217	266	8	69	105	7	314	241	216	296	75	20	0	0	0	2336



Report 2 – Treatment Summary

Sault Ste. Marie Mgt. Unit
Year of Entry: 2025

Acres of Harvest

Compartment 186
Total Compartment Acres: 2,334

Commercial Harvest - 240
Harvests with Site Condition - 352
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
Aspen	5	0	0	0	0	0	0	0	0	5
Herbaceous Openland	13	0	0	0	0	0	0	0	0	13
Lowland Aspen/Balsam Poplar	6	0	0	0	18	0	0	0	0	24
Lowland Deciduous	62	0	0	0	0	0	0	0	0	62
Lowland Mixed Forest	40	0	0	0	15	0	0	0	0	55
Mixed Upland Deciduous	38	0	0	24	20	0	0	0	0	83
Northern Hardwood	11	288	0	0	19	0	0	0	0	318
Upland Mixed Forest	0	0	0	0	12	0	0	0	0	12
Upland Spruce/Fir	21	0	0	0	0	0	0	0	0	21
Total	197	288	0	24	84	0	0	0	0	593

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	593	0	0	0	0	0	121	0	0	714
Next Step	0	13	13	13	0	13	593	0	0	646
Total	593	13	13	13	0	13	714	0	0	1360



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:

4	45186004-Cut	16.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	84	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Thin stand to 70-80 BA focusing on removing large diameter, over mature stems. Retain some yellow birch and basswood. Any declining/diseased ash should be removed. Leave any healthy/resistant beech if present. All merchantable aspen and fir should be designated for removal. Winter harvest due to access and wintering deer. Treatment size may vary.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Acceptable Regen:</u> Northern hardwood associated species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Road Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
7	45186007-Cut	34.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	86	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Thin stand to 80-90 BA focusing on removing large diameter, over mature stems. Retain some yellow birch and basswood. Any declining/diseased ash should be removed. Leave any healthy/resistant beech if present. Leave all tops uncrushed and place in areas void of advanced regeneration. All merchantable aspen and fir should be designated for removal, but retain some aspen along edge of adjacent cedar stand. Exclude any overly wet areas. Winter harvest due to access and wintering deer. Treatment size may vary.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Acceptable Regen:</u> Northern hardwood associated species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
12	45186012-Cut	13.3	42340 - Upland Spruce/Fir	Poletimber Poor	51	1-50	Harvest	Clearcut	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Clear cut to restore opening. Harvest all species down to 2" DBH. Leave aspen seedlings on edges near adjacent aspen stands. Winter harvest due to access and wintering deer. Consult wildlife division for follow up treatments.</p> <p><u>Next Step Treatments:</u> Monitoring, Other - Specify</p> <p><u>Acceptable Regen:</u> None</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /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
20 45186020-Cut	89.4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	98	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Thin stand to 70-80 BA focusing on removing large diameter, over mature stems. Retain some yellow birch and basswood. Any declining/diseased ash should be removed. Leave any healthy/resistant beech if present. Leave all tops uncrushed and place in areas void of advanced regeneration. All merchantable aspen and fir should be designated for removal, but retain some aspen along edge of adjacent cedar stand. Exclude any overly wet areas. Winter harvest due to access and wintering deer. Treatment size may vary.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Acceptable Regen:</u> Northern hardwood associated species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
21 45186021-Cut	6.0	6112 - Lowland Aspen	Sawtimber Well	92	81-110	Harvest	Clearcut	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest all species down to 2" DBH. Exclude overly wet areas. No retention due to small acreage. Winter harvest due to access and wintering deer. Treatment size may vary.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Aspen, bam, maple, birch, spruce, fir, cedar, hemlock.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
27 45186027-Cut	3.5	4119 - Mixed Northern Hardwoods	Sawtimber Well	87	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Thin stand to 80-90 BA focusing on removing large diameter, over mature stems. Retain some yellow birch and basswood. Any declining/diseased ash should be removed. Leave any healthy/resistant beech if present. All merchantable aspen and fir should be designated for removal. Winter harvest due to access and wintering deer. Treatment size may vary.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Northern hardwood associated species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /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
28 45186028-Cut	9.0	310 - Herbaceous Openland	Nonstocked			Harvest	Clearcut	310 - Herbaceous Openland		No
<p><u>Prescription</u> Clear cut to restore opening. Harvest all species down to 2" DBH. Leave all hemlock. Also leave aspen seedlings on edges near adjacent aspen stands. Winter harvest due to access and wintering deer. Consult wildlife division for follow up treatments.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Other - Specify; Pesticide, Hand Application; SitePrep, Other - Specify; Seeding, Other - Specify; Planting, Interplant</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> None</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
30 45186030-Cut	20.0	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	82	81-110	Harvest	Shelterwood	4319 - Mixed Upland Forest	Two-Aged	No
<p><u>Prescription</u> Thin stand down to 30-50 BA focusing on leaving healthy, representative stems. Retain a small conifer component throughout the stand.</p> <p><u>Specs:</u> Leave BA on the higher end of the range where more maple exists and on the lower end where aspen is more dominant. Create gaps in areas of pure aspen. Leave all hemlock. Exclude any overly wet areas. Winter harvest due to access and wintering deer. Treatment size may vary.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Maple, aspen, birch, spruce, fir, hemlock.</p> <p><u>Regen:</u></p> <p><u>Other</u> Reevaluate stand during next entry for future management strategies; i.e. overstory removal, shelterwood, STS, etc.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
31 45186031-Monitor	36.2	4110 - Sugar Maple Association	Sawtimber Well	106	51-80	Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Monitor for acceptable regeneration.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern hardwood associated species.</p> <p><u>Regen:</u></p> <p><u>Other</u> This is the second monitoring treatment placed on this stand since the last thinning. Inventory in winter of 2022/2023 showed inadequate regeneration.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2032</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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35	45186035-Cut	5.0	4134 - Aspen, Spruce/Fir	Sawtimber Well	56	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Specs: Harvest all species down to 2" DBH. No retention due to small acreage. Winter harvest due to access and wintering deer. Treatment size may vary.

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

Acceptable Regen: Aspen, spruce, fir, maple, birch.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

37	45186037-Cut	4.2	310 - Herbaceous Openland	Nonstocked			Harvest	Clearcut	310 - Herbaceous Openland		No
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Prescription Specs: Clear cut to restore opening. Harvest all species down to 2" DBH. Leave aspen saplings on south and east edges adjacent to aspen stand. Winter harvest due to access and wintering deer. Consult wildlife division for follow up treatments.

Next Step Treatments: Monitoring, Other - Specify; Pesticide, Hand Application; Seeding, Other - Specify; SitePrep, Other - Specify; Planting, Interplant

Acceptable Regen: None

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

40	45186040-Cut	34.3	4111 - S.Maple, Hard Mast Association	Sawtimber Well	101	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Specs: Thin stand to 80-90 BA focusing on removing large diameter, over mature stems. Retain some yellow birch and basswood. Any declining/diseased ash should be removed. Leave any healthy/resistant beech if present. Leave all tops uncrushed and place in areas void of advanced regeneration. All merchantable aspen and fir should be designated for removal. Exclude any overly wet areas. Winter harvest due to access and wintering deer. Treatment size may vary.

Next Step Treatments: Monitoring, Natural Regen (Intermediate)

Acceptable Regen: Northern hardwood associated species.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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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
40 45186040-Monitor	24.9	4111 - S.Maple, Hard Mast Association	Sawtimber Well	101	111-140	Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Monitor for acceptable regeneration. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Northern hardwood associated species. <u>Regen:</u> <u>Other</u> During 2025 YOE inventory, regen wasn't at acceptable levels. <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2032</p>										
42 45186042-Cut	11.2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	101	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand to 80-90 BA focusing on removing large diameter, over mature stems. Retain some yellow birch and basswood. Any declining/diseased ash should be removed. Leave any healthy/resistant beech if present. Leave all tops uncrushed and place in areas void of advanced regeneration. All merchantable aspen and fir should be designated for removal, but retain some aspen along edge of adjacent lowland areas if present. Winter harvest due to access and wintering deer. Treatment size may vary. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Intermediate) <u>Treatments:</u> <u>Acceptable</u> Northern hardwood associated species. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										
44 45186044-Cut	8.9	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	84	111-140	Harvest	Clearcut	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 2" inch DBH. Retain any cedar present. No other retention due to small acreage. Exclude overly wet areas. <u>Specs:</u> Winter harvest due to access and wintering deer. Treatment size may vary. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Maple, aspen, bam, birch, spruce, fir, hemlock. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /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
46 45186046-Cut	3.9	42340 - Upland Spruce/Fir	Poletimber Medium	48	51-80	Harvest	Clearcut	310 - Herbaceous Openland		No
<p><u>Prescription</u> Clear cut to restore opening. Harvest all species down to 2" DBH. Leave all hemlock. Winter harvest due to access and wintering deer.</p> <p><u>Specs:</u> Consult wildlife division for follow up treatments.</p> <p><u>Next Step</u> Monitoring, Other - Specify</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> None</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
48 45186048-Cut	18.5	4110 - Sugar Maple Association	Sawtimber Well	98	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Mark stand to 80 to 90 Basal Area to encourage diversity in the stand. Leave any healthy beech, some large wolfy trees for hawk nesting, and some ironwood, basswood, and all juneberry, conifers, and some ash (including all healthy trees) to benefit cavity nesters and encourage mast production for deer, bear, and other species. Some larger canopy gaps may be desirable around the cherry and yellow birch if possible to regenerate those species and enhance the advanced regeneration present. Also create canopy gaps around existing advanced regeneration. Slash should be piled where desirable regeneration is absent. Winter cut.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Maple, cherry, ash, basswood, aspen, birch.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
51 45186051-Cut	18.9	4119 - Mixed Northern Hardwoods	Sawtimber Well	81	81-110	Harvest	Shelterwood	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand down to 40-60 BA focusing over mature and poor quality stems. Remove all poor quality and declining ash. Thin hardwood heavier around hemlock patches. Retain any healthy/resistant beech and some trees over 26" DBH. Also retain any cedar and hemlock. Winter harvest due to access and wintering deer. Treatment size may vary.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern hardwood associated species, hemlock, aspen.</p> <p><u>Regen:</u></p> <p><u>Other</u> Reevaluate stand during next entry for future management strategies; i.e. overstory removal, shelterwood, STS, etc.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /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
55 45186055-Cut	9.7	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	104	111-140	Harvest	Shelterwood with Retention	6117 - Lowland Deciduous, Mixed Coniferous	Two-Aged	No
<p><u>Prescription</u> Thin stand down to 30-50 BA. Leave unmixed pockets of cedar and hemlock. In mixed areas, cedar and hemlock may be cut to achieve desired residual BA and operability during harvesting operations. In conifer rich areas, leave BA on the higher end of the range. Deciduous dominant areas should be marked to the lower end of the range. Focus on removing large diameter, over mature maple. Winter harvest due to access and wintering deer. Treatment size may vary.</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</u> Maple, aspen, fir, spruce, birch, cedar, hemlock.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
56 45186056-Cut	24.3	4191 - Mixed Upland Deciduous with Conifer	Poetimber Well	82	81-110	Harvest	Seed Tree	4139 - Aspen, Mixed Deciduous	Two-Aged	No
<p><u>Prescription</u> Harvest all deciduous trees 2" DBH and greater and conifers 4" DBH and greater. In areas with a greater hardwood component, leave 10-20 BA of quality maple or birch stems. Do not retain any stems in aspen pockets. Leave pockets of unmixed cedar. Leave all hemlock. Winter harvest. Treatment size may vary.</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</u> Aspen, maple, birch, spruce, fir, white pine, hemlock, cedar, tamarack.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
57 45186057-Monitor	32.8	4110 - Sugar Maple Association	Sawtimber Well	93	51-80	Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Monitor for acceptable regeneration.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern hardwood associated species.</p> <p><u>Regen:</u></p> <p><u>Other</u> These portions of the stand did not regenerate as well as the rest of the stand.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2032</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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59	45186059-Cut	7.4	4110 - Sugar Maple Association	Sawtimber Well	79	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin stand to 70-80 BA/acre. Focus on over mature, large diameter trees. Leave healthy representative beech and yellow birch where appropriate. Leave some trees over 26" DBH. Open up existing canopy gaps where adequate advanced regen is present and create new gaps in patches of suppressed advanced regen. Leave all tops uncrushed and place in areas void of advanced regeneration. Winter harvest due to access and wintering deer. Treatment size may vary.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Northern hardwood associated species.

Regen:

Other

Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2024

60	45186060-Cut	11.8	4319 - Mixed Upland Forest	Sawtimber Well	80	111-140	Harvest	Shelterwood with Retention	4113 - R.Maple, Conifer	Two-Aged	No
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Prescription Thin stand down to 30-50 BA leaving healthy, representative trees. Where cedar and hemlock are more frequent, leave residual on the higher end of the range. Leave residual on lower end of the range where deciduous is more frequent. All hemlock, white pine and cedar over 16" DBH are to be retained. Winter harvest due to access and wintering deer. Treatment size may vary.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Maple, birch, aspen, spruce, fir, hemlock, white pine and cedar.

Regen:

Other

Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2024

72	45186072-Cut	27.9	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	64	111-140	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Harvest all deciduous trees down to 2" DBH and all conifers down to 4" DBH. Exclude any overly wet areas and areas containing submerchantable stems. Winter harvest due to access and wintering deer. Treatment size may vary.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, spruce, fir, maple, birch.

Regen:

Other

Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2024



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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
75 45186075-Cut	17.6	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	61	51-80	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> Harvest all deciduous species over 2" DBH and all conifers over 4" DBH. Exclude any unmixed areas of cedar and overly wet areas. Winter harvest due to access and wintering deer. Treatment size may vary.</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</u> Aspen, Bam, spruce, fir, birch, maple, cedar.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
77 45186077-Cut	68.9	4110 - Sugar Maple Association	Sawtimber Well	87	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand to 80-90 BA focusing on removing large diameter, over mature stems. Retain some yellow birch and basswood. Any declining/diseased ash should be removed. Leave any healthy/resistant beech if present. Leave all tops uncrushed and place in areas void of advanced regeneration. All merchantable aspen and fir should be designated for removal, but retain some aspen along edge of adjacent cedar stand. Exclude any overly wet areas. Winter harvest due to access and wintering deer. Treatment size may vary.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern hardwood associated species.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
81 45186081-Cut	10.5	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	59	111-140	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 2" DBH. Exclude any overly wet areas and areas containing submerchantable stems. Also exclude any unmixed patches of cedar to serve as retention. Allow for operational cedar if needed. Winter harvest due to access and wintering deer. Treatment size may vary.</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</u> Aspen, spruce, fir, maple, birch.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /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
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82	45186082-Cut	17.6	6112 - Lowland Aspen	Sawtimber Well	67	81-110	Harvest	Shelterwood with Retention	613 - Lowland Mixed Forest	Two-Aged	No
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Prescription Remove all deciduous trees over 2" DBH and conifers over 4" DBH. In addition, retain all cedar 6" DBH and under. Exclude areas of sub-merchantable stems and overly wet areas. Winter harvest due to access and wintering deer. Treatment size may vary.

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

Acceptable Aspen, bam, spruce, fir, birch, maple, cedar, hemlock, white pine.
Regen:

Other
Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2024

87	45186087-Cut	5.6	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	64	141-170	Harvest	Shelterwood with Retention	613 - Lowland Mixed Forest	Two-Aged	No
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Prescription Remove all deciduous trees over 2" DBH and conifers over 4" DBH. Exclude areas of pure, closed canopy cedar and overly wet areas.
Specs: Winter harvest due to access and wintering deer. Treatment size may vary.

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

Acceptable Aspen, bam, maple, spruce, fir, birch and cedar.
Regen:

Other
Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2024

88	45186088-Cut	11.0	4119 - Mixed Northern Hardwoods	Sawtimber Well	82	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Thin stand down to 70-80 BA focusing on over mature and poor quality stems. Leave some yellow birch and any healthy/resistant beech.
Specs: Remove most ash except for quality stems with high vigor. Leave slash high to discourage deer browse. Winter harvest due to access and wintering deer. Treatment size may vary.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Northern hardwood associated species.
Regen:

Other
Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2024



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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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96 45186096-Cut	17.2	4110 - Sugar Maple Association	Sawtimber Well	98	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Specs: Thin stand to 70-80 BA focusing on removing large diameter, over mature stems. Retain some yellow birch and basswood. Any declining/diseased ash should be removed. Leave any healthy/resistant beech if present. Leave all tops uncrushed and place in areas void of advanced regeneration. All merchantable aspen and fir should be designated for removal, but retain some aspen along edge of adjacent cedar stand. Exclude any overly wet areas. Winter harvest due to access and wintering deer. Treatment size may vary.

Next Step: Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen: Northern hardwood associated species.

Other Comment:

Site Condition:

Unknown Access

Proposed Start Date: 10/1 /2024

100 45186100-Cut	35.8	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	84	111-140	Harvest	Clearcut with Retention	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	No
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Prescription Specs: Harvest all deciduous trees over 2" DBH and conifers over 4". Exclude overly wet areas. Leave unmixed patches of cedar where present as internal retention. Winter harvest due to access and wintering deer. Treatment size may vary.

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

Treatments:

Acceptable Regen: Aspen, spruce, fir, maple, cedar, birch.

Other Comment:

Site Condition:

Unknown Access

Proposed Start Date: 10/1 /2024

106 45186106-Cut	10.2	4110 - Sugar Maple Association	Sawtimber Well	83	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Specs: Thin stand to 80-90 BA focusing on removing large diameter, over mature stems. Retain some yellow birch and basswood. Any declining/diseased ash should be removed. Leave any healthy/resistant beech if present. Leave all tops uncrushed and place in areas void of advanced regeneration. All merchantable aspen and fir should be designated for removal, but retain some aspen along northern edge of stand if present. Exclude any overly wet areas. Winter harvest due to access and wintering deer. Treatment size may vary.

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

Treatments:

Acceptable Regen: Northern hardwood associated species.

Other Comment:

Site Condition:

Unknown Access

Proposed Start Date: 10/1 /2024



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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
107 45186107-Cut	4.1	42340 - Upland Spruce/Fir	Poletimber Poor	47	1-50	Harvest	Clearcut	310 - Herbaceous Openland		No
<p><u>Prescription</u> Clear cut to restore opening. Harvest all species down to 2" DBH. Leave aspen seedlings on edges near adjacent aspen stands. Consult <u>Specs:</u> wildlife division for follow up treatments. Winter harvest due to access and wintering deer.</p> <p><u>Next Step</u> Monitoring, Other - Specify <u>Treatments:</u></p> <p><u>Acceptable</u> None <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> Road Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
111 45186111-Cut	39.6	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	58	111-140	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
<p><u>Prescription</u> Harvest all deciduous species down to 2" DBH and all conifers down to 4" DBH. Patches of unmixed cedar should be retained. Avoid overly <u>Specs:</u> wet areas. Winter harvest due to access and wintering deer. Treatment size may vary.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, bam, maple, birch, spruce, fir, hemlock, cedar, white pine. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> Road Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
112 45186112-Cut	10.9	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	65	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest all deciduous species down to 2" DBH and all conifers down to 4" DBH. Retain any hemlock. Winter harvest due to access and <u>Specs:</u> wintering deer. Treatment size may vary.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, maple, birch, spruce, fir, hemlock, white pine. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> Road Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

Approved Treatments:

47 45186047-Monitor	27.5	4130 - Aspen	Sapling Well	6	Immature	Monitoring	Natural Regen (Intermediate)	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> <u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce, black spruce, cedar, tamarack and white pine. <u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100% <u>Comment:</u></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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Site Condition

Proposed Start Date: 8 /2 /2023

Total Treatment 748.6
Acreage Proposed:

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Nate Plato : Examiner

Compartment: 186

Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available		Dominant Site Conditions					
					2B	2E	5C	3H	3J	5E
424	424	0	0	Aspen						
418	69	0	349	Cedar				349		
33	33	0	0	Herbaceous Openland						
209	185	24	0	Lowland Aspen/Balsam Poplar	24					
98	0	98	0	Lowland Conifers			98			
67	23	45	0	Lowland Deciduous	45					
59	10	45	4	Lowland Mixed Forest	6	40				4
279	279	0	0	Lowland Shrub						
41	41	0	0	Marsh						
125	67	58	0	Mixed Upland Deciduous	58					
520	373	147	1	Northern Hardwood	120	28	0		1	
12	0	12	0	Upland Mixed Forest	12					
30	17	4	9	Upland Spruce/Fir		4			9	
2	2	0	0	Urban						
2,316	1,520	433	362	Total Forested Acres	264	71	98	349	9	4
	66%	19%	16%	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
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	349	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Nate Plato : Examiner

Compartment: 186

Year of Entry: 2025

4	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	2B: Unknown if access through adjacent landowner(s) is possible	281	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Nate Plato : Examiner

Compartment: 186

Year of Entry: 2025

12	Available	2E: Road needed	71	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Road needed unless access from adjacent landowner to the north can be secured.</p>							
21	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Stand is right on the shore of Brown Lake. Was left as a buffer along the lake.</p>							
23	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Hard factors removed. Look to see if some of it can be harvested with adj stand. Stand is extremely wet and borders South Manistique Lake. Might be able to harvest a portion in ten years when the adjacent stand is treated.</p>							

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



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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	6120 - Lowland Cedar	Poletimber Well	5.2	122	51-80	N/A	2015 YOE: Stand is very dense cedar. Was originally part of a larger stand but the portion to the east of the road has been flooded and has all died. 2025 YOE: Dead and dying mixed cedar stand. Becoming flooded like stand to the east. Old road splitting two stands has become a beaver dam.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		5	Pole	7		Balsam Fir		Low	Variable	Sapling
Northern White Cedar		90	Pole	8	122	Tag Alder		Low	Variable	Tall Shrub
Black Spruce		5	Pole	8						
2	629 - Mixed non-forested wetland	Nonstocked	31.9		Immature	No				
3	6120 - Lowland Cedar	Poletimber Medium	17.3	110	1-50	N/A	2015 YOE: Very wet cedar and tag alder. Cedar is around ten feet tall and small. Very poor quality. 2025 YOE: Not much different from last entry. Beaver flooded area to the west is starting to flood and kill off west part of stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Northern White Cedar		90	Pole/Sapling	5	110	Tag Alder		High	Variable	Tall Shrub
Tamarack		5	Pole/Sapling	5						
Paper Birch		5	Pole/Sapling	5						
4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	16.7	84	81-110	N/A	2015 YOE: Red maple stand that transitions into a Mackinac Mix stand in the compartment to the north. Look at doing a cut next entry. 2025 YOE: The middle of the stand was thinned in 1994 as part of the Deer Shack City timber sale. The south portion was thinned in 1995 as part of the Heron Reprieve timber sale. Decent quality mixed hardwoods with some aspen mixed in. South part of stand is better quality and mostly hard maple. Heavy fir understory in northern part of stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Beech		10	Log/Pole	10		Balsam Fir		High	Variable	Sapling
Balsam Fir		5	Pole	8		Maple (spp.)		Low	Variable	Sapling
Quaking Aspen		5	Log/Pole	10		Beech		Low	Variable	Sapling
White Spruce		5	Pole	8						
Sugar Maple		35	Log/Pole	11						
Red Maple		40	Log/Pole	11	84					
5	622 - Lowland Shrub	Nonstocked	16.3			No				
6	4130 - Aspen	Poletimber Well	36.5	28	51-80	N/A	2015: Stand was cut in 1995 and 1996. Data taken from the the compartment to the north. Field work done by Matt Edison. 2025 YOE: North part of stand was harvested in 1995 as part of the Heron Reprieve timber sale. Middle part of stand was also harvested in 1995, but as part of the Brotherton Beaver II and Heron Aspen timber sales. The west part of the stand was harvested in 1994 as part of the Brotherton Beaver timber sale. Aspen doing great. E cellent stocking. Conifer mixed I throughout stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		15	Sapling	3		Conifers		Low	Variable	Sapling
Bigtooth Aspen		5	Pole/Sapling	5		Maple (spp.)		Low	< 5 feet	Sapling
Quaking Aspen		80	Pole/Sapling	5	28					
7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	34.3	86	111-140	N/A	This stand was added 1/24/19 no inventory was done, everything was a remote call and no data should be taken from this. 2025 YOE: Nice hardwood stand. High BA throughout stand with an average of 120-130. Mix of red and hard maple. Good advanced regen in spots. Some conifer present. More red maple and conifer on western edge of stand. Thin this entry.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		50	Log/Pole	11	86	Beech		Low	Variable	Sapling
Red Maple		40	Log/Pole	11		Balsam Fir		Low	Variable	Sapling
Basswood		5	Log/Pole	10		Maple (spp.)		Low	Variable	Sapling
White Ash		5	Pole/Log	9						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
8	4130 - Aspen	Sapling Well	40.4	14	Immature	N/A	2015 YOE: Awesome aspen stand. Regen is doing great very little conifer. 2025 YOE: Harvested in 2009 as part of the Adequate Aspen (45-117-05) timber sale. Aspen doing very well. Excellent stocking. Some fir scattered throughout stand.																																																					
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9	623 - Emergent Wetland	Nonstocked	30.2			No																																																						
10	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	15.5	98	81-110	N/A	2025 YOE: Formerly part of stand 30. Wet patches/swaths between hardwood islands. Mix of cedar, black ash, fir and hemlock on slightly higher ground.																																																					
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11	4134 - Aspen, Spruce/Fir	Poletimber Well	24.0	31	81-110	N/A	2015 YOE: Aspen regen is doing great. About 30' tall and quite dense. 2025 YOE: Aspen still doing very well. Nice pole stand. Excellent stocking. Conifer scattered throughout stand. Some wetter areas present. Hold until next entry.																																																					
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12	42340 - Upland Spruce/Fir	Poletimber Poor	13.3	51	1-50	N/A	2025 YOE: Grassy opening that's filling in. Aspen clones scattered throughout stand. Dense pockets of spruce and fir. Some open areas remain.																																																					
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13	623 - Emergent Wetland	Nonstocked	7.4			No																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
14	6112 - Lowland Aspen	Poletimber Well	51.5	31	81-110	N/A	2015 YOE: wetter aspen stand. Regen is doing great. The north part of the stand was cut in 1992 and the south part was cut in 1999. Hard to tell the difference on the ground. The west edge of the stand is drier than the rest of the stand. 2025 YOE: Southern part of stand was harvested in 1999 as part of the Meade Creek Aspen timber sale. Aspen still doing well. Excellent stocking throughout most of stand. Thinner in wetter areas. Conifer scattered throughout stand. Variable diameters in spots. Check next entry.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		70	Pole	6	31	Balsam Fir		
White Spruce		5	Sapling/Pole	4		Maple (spp.)		
Bigtooth Aspen		10	Pole	6				
Balsam Poplar		10	Pole/Sapling	5				
Balsam Fir		5	Pole/Sapling	5				
15	622 - Lowland Shrub	Nonstocked	34.2			No	Scattered, small lowland conifer and tag alder.	
18	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	19.5	65	51-80	N/A	2015 YOE: Decent aspen stand. Regen doing good. Pretty fair amount of spruce and balsam. 2025 YOE: Looks like an old shelterwood cut. Variable stocked mix of red maple, spruce, fir, aspen, birch and some hemlock. Wet in some spots. Good regen of all sizes throughout stand. Very dense in gaps. Heavy deer browse. A couple dense hemlock patches present. Patch near east side of stand was formerly stand 16. Slightly higher BA's and stocking but stands should be managed together.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Bigtooth Aspen		7	Pole/Sapling	5		Maple (spp.)		
Balsam Fir		15	Pole/Sapling	5		Ash (spp.)		
White Spruce		7	Sapling/Pole	4		Conifers		
Red Maple		40	Pole/Log	9	65	Beech		
Yellow Birch		8	Log/Pole	10				
Quaking Aspen		8	Pole/Sapling	5	20			
Hemlock		10	Log	12				
19	6112 - Lowland Aspen	Sapling Well	22.6	12	Immature	N/A	2015 YOE: Aspen is coming back great. Really thick sprouts. 2025 YOE: Harvested in 2009 as part of the Adequate Aspen (45-117-05) timber sale. Aspen still doing very well. Excellent stocking in most spots. Thinner in overly wet areas.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Quaking Aspen		80	Sapling	4	12	Balsam Fir		
Bigtooth Aspen		5	Sapling	4		Maple (spp.)		
Balsam Fir		5	Sapling	3				
Balsam Poplar		10	Sapling	3				
20	4112 - Maple, Beech, Cherry Association	Sawtimber Well	89.4	98	81-110	N/A	2015 YOE: Decent maple stand. Not quite as good as the other maple in the compartment. Much higher amounts of red maple. 2025 YOE: Stand was part of the 26 Tick Hardwood timber sale. Only the north portion was thinned in 1997. Nice hardwood stand. Mix of northern hardwood species. Variable stocking throughout stand. Abundant advanced regen throughout most of stand. Deer browse present. Hemlock scattered throughout stand. Higher BA in south and west parts of stand. Some aspen on east side of stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Black Cherry		5	Log/Pole	11		Red Maple		
Quaking Aspen		5	Log/Pole	11		Balsam Fir		
Sugar Maple		30	Log/Pole	12				
Yellow Birch		5	Log/Pole	12				
Basswood		5	Log/Pole	11				
Hemlock		5	Log/Pole	11				
Red Maple		45	Log/Pole	12	98			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
21	6112 - Lowland Aspen	Sawtimber Well	6.0	92	81-110	N/A	2015 YOE: Wetter Mackinac Mix stand. Should be harvested but at this time there is no legal access. 2025 YOE: Same as last entry. Over mature aspen with dense fir understory. Frequent mortality throughout stand.																																						
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22	6229 - Mixed lowland shrub	Nonstocked	14.4			No																																							
23	6112 - Lowland Aspen	Poletimber Well	27.6	31	81-110	N/A	2015 YOE: Aspen is doing decent. A few sparse areas but overall pretty thick regen. 2025 YOE: Nice looking aspen. Overall, good stocking throughout most of stand. Variable diameters in spots. Hold until next entry.																																						
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24	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	5.0	34	51-80	N/A	2025 YOE: Mix of small pole and sapling birch, aspen, cedar and fir. Wet stand.																																						
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25	310 - Herbaceous Openland	Nonstocked	9.8			No	2025 YOE: Aspen, spruce and fir starting to fill in opening.																																						
26	6112 - Lowland Aspen	Poletimber Well	41.9	24	51-80	N/A	2015 YOE: The west half of this stand was cut in 1992. The east half was cut in 1999. Pretty close to the same now. Nice aspen with more spruce and balsam than other areas of the compartment. 2025 YOE: The east half of the stand was harvested in 1999 as part of the Meade Creek aspen timber sale. Excellent stocking throughout most of stand except in overly wet areas.																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
27	4119 - Mixed Northern Hardwoods	Sawtimber Well	3.5	87	111-140	N/A	2015 YOE: Nice maple stand ready to be thinned. No legal access at this time. 2025 YOE: Stand has become overstocked. Many good quality stems. Decent advanced regen in spots but hardly any seedling size regen.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood		5	Log/Pole	10		Sugar Maple	Low	Variable	Sapling
Black Cherry		5	Log/Pole	10		Red Maple	Low	Variable	Sapling
Yellow Birch		5	Log	14					
White Ash		5	Log/Pole	10					
Sugar Maple		50	Log/Pole	12	87				
Beech		5	Log	14					
Quaking Aspen		10	Log/Pole	12					
Red Maple		15	Log/Pole	12					
28	310 - Herbaceous Openland	Nonstocked	9.0			No	2025 YOE: Some aspen and cherry saplings creepung into opening. Scattered spruce and fir present.		
29	6112 - Lowland Aspen	Sapling Well	11.0	24	Immature	N/A	2015 YOE: Aspen regen is doing great. Trees around 25' tall. 2025 YOE: Harvested in 1999 as part of the Meade Creek Aspen timber sale. Aspen still doing very well. Excellent stocking.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		80	Sapling/Pole	4	24	Maple (spp.)	Low	< 5 feet	Sapling
Bigtooth Aspen		10	Sapling/Pole	4		Balsam Fir	Low	< 5 feet	Sapling
Balsam Poplar		5	Sapling/Pole	4					
Balsam Fir		5	Sapling	3					
30	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	20.0	82	81-110	N/A	2015 YOE: A variable, wet Mackinac Mix stand. There are two upland islands of maple but not worth splitting out. This stand could be harvested in ten years. No legal acces to at this time. 2025 YOE: Thinned in 1999 as part of the Meade Creek Aspen timber sale. Wetter portions of this stand have been split from this stand and are now part of stand 10. Decent hardwood stand. Heavy to red maple. Some aspen and birch mixed in. Dense fir understory throughout much of stand.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		15	Log/Pole	11		Balsam Fir	High	Variable	Sapling
Red Maple		35	Log/Pole	12	82	Red Maple	Medium	Variable	Sapling
Balsam Fir		15	Pole	8		Sugar Maple	Low	< 5 feet	Sapling
Paper Birch		10	Pole/Log	9					
White Spruce		10	Pole/Log	9					
31	4110 - Sugar Maple Association	Sawtimber Well	36.2	106	51-80	N/A	2015 YOE: Nice maple stand. Very little brush, ready to be thinned. 2025 YOE: Thinned as part of the Long Lake Hardwood (45-101-15) timber sale. Many nice stems left. Not much for regen. Raspberry and beech have established throughout most of stand. Heavy browse.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Basswood		10	Log/Pole	10		Sugar Maple	Low	< 5 feet	Sapling
Beech		5	Log	14		Balsam Fir	Low	< 5 feet	Sapling
Red Maple		10	Log/Pole	12		Red Maple	Low	< 5 feet	Sapling
Black Cherry		5	Log/Pole	10		Beech	Medium	Variable	Sapling
Yellow Birch		5	Log	14					
Sugar Maple		60	Log/Pole	12	106				
White Ash		5	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
32	6120 - Lowland Cedar	Poletimber Well	5.2	130	141-170	N/A	2015 YOE: Nice dense cedar stand. Part of the same stand that surrounds Lily Lake. 2025 YOE: Same as last entry. Some aspen on northern edge of stand.																																				
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33	6112 - Lowland Aspen	Sapling Well	30.4	12	Immature	N/A	2015 YOE: Aspen regen is doing great. About 10' tall. 2025 YOE: Harvested in 2009 as part of the Adequate Aspen (45-117-05) timber sale. Aspen still doing well. Excellent stocking throughout most of stand. Not as good in wetter areas.																																				
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34	310 - Herbaceous Openland	Nonstocked	10.0			No	2025 YOE: Spruce, fir and aspen starting to overtake stand.																																				
35	4134 - Aspen, Spruce/Fir	Sawtimber Well	5.0	56	111-140	N/A	2025 YOE: Nice aspen/ spruce/fir stand. Good stocking with larger diameters. Clearcut this entry.																																				
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36	622 - Lowland Shrub	Nonstocked	140.7			No	River corridor. Mostly tag alder. Some lowland conifer mixed in. A couple small, isolated patches of mature, fully stocked aspen/spruce/fir are present along river corridor.																																				
37	310 - Herbaceous Openland	Nonstocked	4.2			No																																					
38	4110 - Sugar Maple Association	Sawtimber Well	7.5	82	51-80	N/A	2015 YOE: Nice maple stand ready to be thinned. Some aspen and spruce in the eastern most portion. 2025 YOE: Thinned in 2004 as part of the Triple Mark Hardwood timber sale. Thinned again in March of 2018 as part of the Long Lake Hardwood Sale- 45-101-15. Nice looking stand after thinning. Many quality stems present. Good coverage of regen throughout. Raspberry present, but many hardwood stems starting to overtop it. Thick patches of yellow birch scattered throughout stand. Some deer browse present.																																				
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39	4130 - Aspen	Sapling Well	78.7	21	1-50	N/A	2015 YOE: Really nice aspen stand. This area grows great aspen. 2025 YOE: Harvested in 2002 as part of the Little Bridge Aspen timber sale. Excellent stocking throughout stand. Some tag alder in overly wet areas.																																				
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40	4111 - S.Maple, Hard Mast Association	Sawtimber Well	59.2	101	111-140	N/A	2015 YOE: Nice maple stand. Ready to be thinned. Fair amount of deer browse. 2025 YOE: Thinned in 2004 as part of the Triple Mark Hardwood timber sale. Thinned again in March of 2018 as part of the Long Lake Hardwood Sale- 45-101-15. The western half of the stand wasn't cut. The harvested part is sitting at 51-80 BA. Mix of HM, basswood and ash. Some RM present. Good regen in spots of all sizes. Also areas of raspberry and beech brush.																																																					
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42	4112 - Maple, Beech, Cherry Association	Sawtimber Well	11.2	101	111-140	N/A	2015 YOE: Nice maple stand ready for thinning. Some aspen and spruce near the road. 2025 YOE: Thinned in 2004 as part of the Triple Mark Hardwood timber sale. Part of the Long Lake Hardwood Sale (45-101-15) in 2018, but was never cut. Thin this entry.																																																					
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43	4130 - Aspen	Poletimber Well	19.9	21	51-80	N/A	2015 YOE: Awesome aspen stand. Regen is doing really good, almost pure aspen. 2025 YOE: Harvested in 2002 as part of the Little Bridge Aspen timber sale. Aspen still doing great. Excellent stocking.																																																					
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44	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	8.9	84	111-140	N/A	2015 YOE: A decent, but wetter Mackinac mix stand. This stand is a nice riparian area for the wetland to the north. The west edge of the stand is more upland. 2025 YOE: Poor quality hardwood stand in eastern and southern parts of stand. Western part of stand has more aspen, bam and some cedar. Good advanced regen where mortality is present.																																																					
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45	6120 - Lowland Cedar	Poletimber Well	14.7	130	141-170	N/A	2015 YOE: Nice dense cedar stand. Stand goes right up to the water on Lily Lake. 2025 YOE: Same as last entry. Some aspen and birch scattered throughout stand. East side of stand has more red maple and fir before transitioning to cedar.																																											
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46	42340 - Upland Spruce/Fir	Poletimber Medium	3.9	48	51-80	N/A	2025 YOE: Mix of pole size spruce/fir and a few aspen and maple. Some bigger stems scattered throughout stand.																																											
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47	4130 - Aspen	Sapling Well	32.0	6	Immature	N/A	2015 YOE: Stand is starting to decline. Should have cut last entry but no legal access. Some areas are more open but a fair amount of balsam in the understory. 2025 YOE: This stand was cut in 2017 and 2022 as part of the Lily Lake Mix SBW timber sale (45-105-16). There is good aspen and maple regen in spots. In wetter areas, regen is present, but not as abundant. An access road has been put in coming through stand 52 to the south.																																											
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48	4110 - Sugar Maple Association	Sawtimber Well	18.5	98	111-140	N/A	2015 YOE: Nice hardwood stand. Not much in the understory. Concentrate harvest on the white ash within the stand. 2025 YOE: Part of the Lily Lake Mix SBW (45-105-16) timber sale. Still hasn't been harvested. Not much has changed since last entry. 07/31/2023: Stand was not harvested with Lily Lake Mix timber sale. Sale is closed.																																											
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49	6120 - Lowland Cedar	Poletimber Well	101.9	111	111-140	N/A	2015 YOE: Variable, wet cedar stand. Some areas are heavier to black spruce but they are small. The eastern part of the stand is wetter than the west. Tons of deer sign. 2025 YOE: Not much different than last entry. Some scattered birch and maple throughout stand. Tag alder inclusions present throughout stand.																																											
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50	6229 - Mixed lowland shrub	Nonstocked	5.2		Immature	No	Standing dead cedar with tag alder underneath. Some scattered cedar saplings. Very wet.																																											



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51	4119 - Mixed Northern Hardwoods	Sawtimber Well	18.9	81	81-110	N/A	2015 YOE: Very wet maple stand. Doesn't look much different than it did ten years ago. Look a doing a treatment in ten more years. 2025 YOE: Wet mixed hardwood stand. Maples, ash, beech, basswood and yellow birch all present. Patches of hemlock and some cedar present throughout stand but mostly concentrated in SW corner.																																																														
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52	6120 - Lowland Cedar	Poletimber Well	52.1	116	141-170	N/A	2015 YOE: Fairly dense cedar stand. Lots of deer sign. A small section of road will have to be built to access the stand to the north. 2025 YOE: Same as last entry. Mostly cedar mixed with some birch and fir. Some sparse areas containing more tag alder. Access road to hardwoods to the north is in and looks good.																																																														
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53	623 - Emergent Wetland	Nonstocked	3.1			No	South Manistique lake shore.																																																														
54	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	23.3	105	81-110	N/A	2015 YOE: Wet swamp conifer stand. I visited this stand twice. The portion along the lake in the winter and the south portion in May. Lots more mature stems to the north but it is a pole stand throughout. Stand borders South Manistique Lake. 2025 YOE: Not much different than previous entry. Heavy black ash component in southern part of the stand. Still needs some more diameter before considering management. Check next entry.																																																														
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55	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	9.7	104	111-140	N/A	2015 YOE: Wetter maple, Birch stand with cedar. This stand was thinned in the previous entry. Look at thinning again in ten years. 2025 YOE: Adjacent hardwood stand to south was thinned, not this stand. Mix of red maple, hemlock and cedar. Almost all of the red maple is overmature. High BA throughout most of the stand. Small patch of blowdown in eastern part of stand. Very little regen throughout stand.																																																														
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56	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	24.3	82	81-110	N/A	2015 YOEV: Decent Mackinac Mix stand. Stand might be slightly larger when harvested. It is hard to tell on the imagery how far south the stand goes. 2025 YOEV: Half of this stand is part of the Lily Lake Mix SBW (45-105-16) timber sale which is still under contract. Not cut yet. Mix of hardwood and conifer. Hardwood species are mostly log size. 07/31/2023: Stand was not harvested with Lily Lake Mix timber sale. Sale is closed.																																															
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57	4110 - Sugar Maple Association	Sawtimber Well	61.7	93	51-80	N/A	2015 YOEV: Nice maple stand, ready to be thinned again. 2025 YOEV: Thinned in March of 2018 as part of the Long Lake Hardwoods (45-101-15) timber sale. A small part of this stand just south of stand 55 was also thinned in 2008 as part of the Adequate Aspen (45-117-05) timber sale. Good quality stems left after thinning. Part of stand east of Mead Road has very little regen. Mostly raspberry has established. Heavy browse where maple is present. Far western stand is also similar to this. Rest of stand has good regen established. Very good advanced regen in some spots. Middle of stand that wasn't thinned contains more aspen/spruce/fir, but is still of small pole size. Check this spot next entry for alternative management to rest of stand.																																															
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58	4136 - Aspen, Mixed Conifer	Poletimber Well	16.4	35	51-80	N/A	2015 YOEV: Aspen regen is doing great. Not entirely sure if the stand is upland or lowland. Too much snow to tell. 2025 YOEV: Mixed aspen/hardwood stand. Mostly large sapling and small pole. More conifer and lower ground in north part of stand. Excellent stocking.																																															
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59	4110 - Sugar Maple Association	Sawtimber Well	7.4	79	111-140	N/A	2015 YOEV: Harvested stand last entry. Land owner denied access unless he was present. Couldn't get him to return calls. 2025 YOEV: Nice Harwood stand. Decent quality stems. Some scattered hemlock and patches of beech brush throughout stand. Heavy browse on maple regen.																																															
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60	4319 - Mixed Upland Forest	Sawtimber Well	11.8	80	111-140	N/A	2015 YOEV: Land owner denied access unless he was present. Couldn't get him to return calls. Smaller spruce and balsam. 2025 YOEV: Nice red maple and hemlock stand. Mature and well stocked. Upland ground mixed with patches of lowland. Spruce and fir mixed in throughout stand. Cedar also scattered throughout stand. Decent access exists with adjacent landowner approval.																																															
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61	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	21.5	113	1-50	N/A	2015 YOE: Land owner denied access unless he was present. Couldn't get him to return calls. Pretty dense cedar. 2025 YOE: Very sparse cedar stand. Many dead and dying stems. Scattered spruce, fir and an occasional large white pine throughout stand. Fairly dense in spots with sapling/small pole size red maple, ash and fir. Thick tag alder where aforementioned spp are absent. Stand was possibly flooded in the past.																																																							
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62	6120 - Lowland Cedar	Poletimber Well	4.3	106	51-80	N/A	2025 YOE: Mixed cedar stand. Slightly higher ground in northern part if the stand, transitioning to very wet, less stocked cedar in the southern part. Small amount of maple on northern edge.																																																							
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64	122 - Road/Parking Lot	Nonstocked	1.6			No	Boat Launch.																																																							
65	4115 - Y.Birch, Hemlock NH	Sawtimber Well	16.2	85	51-80	N/A	2025 YOE: Harvested two entries ago was thinned heavy, almost a shelterwood in some spots. Mix of maple, ash, birch, hemlock and cedar. Slightly lower ground than surrounding hardwood stand. Excellent regen throughout this area, but heavy browse. Formerly part of stand 85. Check next entry.																																																							
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66	4134 - Aspen, Spruce/Fir	Poletimber Well	55.7	31	51-80	N/A	2015 YOE: Nice young aspen stand, typical of this area. Will make a pole stand in 10 years. 2025 YOE: Aspen still doing well. Good stocking throughout most of stand. Good mix of conifer.																																																							
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67	6120 - Lowland Cedar	Poletimber Well	10.5	116	141-170	N/A	2015 YOE: Fairly dense cedar stand. Lots of deer sign. 2025 YOE: Dense pole size cedar mixed with some fir and birch. Some red maple on edge shared with adjacent hardwood stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Northern White Cedar		85	Pole	7	116	Northern White Cedar		Low	Variable	Sapling
Red Maple		5	Pole/Log	9		Balsam Fir		Medium	Variable	Sapling
Paper Birch		5	Pole	5						
Balsam Poplar		5	Log	10						

68	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	17.4	80	51-80	N/A	2015 YOE: Thick, wet swamp conifer stand. This stand includes a small patch of hemlock that used to be it's one stand. The county did improvement on Brotherton Road and this stand has got alot wetter. Most of the hemlock has died. There are a few merchantable trees but it is primarily a sapling stand. 2025 YOE: Small, pole size, decently stocked mixed swamp conifer stand. Sparse in spots. SW part of stand contains larger cedar mixed with pole size aspen/spruce/fir. A couple scattered hemlock also present here. Manage this small inclusion with stand 70 when ready.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Tamarack		10	Sapling/Pole	4		Balsam Fir		Medium	Variable	Sapling
Quaking Aspen		10	Pole/Sapling	6		Maple (spp.)		Low	Variable	Sapling
Paper Birch		5	Pole/Sapling	5		Tag Alder		Low	Variable	Tall Shrub
Red Maple		10	Pole/Sapling	5						
Black Spruce		25	Pole/Sapling	5	80					

69	6120 - Lowland Cedar	Poletimber Medium	32.2	93	51-80	N/A	2015 YOE: Very wet lowland conifer stand. Poor quality throughout the stand. 2025 YOE: Poor quality mixed cedar stand. Poor stocking throughout most of stand. Very wet. Tag alder present throughout most of stand.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Northern White Cedar		65	Pole/Sapling	5	93	Black Spruce		Low	Variable	Sapling
Paper Birch		10	Pole/Sapling	5		Northern White Cedar		Low	Variable	Sapling
Balsam Fir		15	Pole/Sapling	5		Balsam Fir		Medium	Variable	Sapling
Black Spruce		10	Pole/Sapling	5		Tag Alder		High	5 - 10 feet	Tall Shrub

70	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	22.8	31	51-80	N/A	2015 YOE: Decent Mackinac Mix Stand. Lots of stems per acre! 2025 YOE: Nice mixed aspen/birch stand. Excellent stocking throughout stand. Variable diameters in spots. Larger stems in more upland areas. Maple mixed in throughout stand as well as conifers. Spruce/fir on higher ground with cedar mixed in on lower ground. Check next entry.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Tamarack		5	Sapling/Pole	4		Northern White Cedar		Low	< 5 feet	Sapling
Black Cherry		5	Sapling/Pole	4		Balsam Fir		Low	< 5 feet	Sapling
Northern White Cedar		5	Sapling/Pole	4		Maple (spp.)		Low	5 - 10 feet	Sapling
Red Maple		10	Sapling/Pole	4						
Quaking Aspen		30	Pole/Sapling	5	31					
Paper Birch		25	Pole/Sapling	5						
Balsam Fir		10	Pole/Sapling	5						



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72	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	27.9	64	111-140	N/A	2015 YOE: Upland Mackinac Mix stand. Should be harvested but no legal access to this stand. 2025 YOE: Mix of spruce/fir with red maple, birch and aspen. Mostly pole size with some bigger spruce scattered throughout stand. Mostly upland.																																																				
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75	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	17.6	61	51-80	N/A	2015 YOE: Poor quality lowland Mackinac Mix. Fair amount of cedar in the stand. Extremely wet looking. 2025 YOE: Mix of aspen/bam, spruce, fir, birch and some cedar. Slightly smaller diameters in west part of stand. Mostly a medium stocked stand, but variable spots of higher and lower BA present. Some alder inclusions present throughout stand.																																																				
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76	622 - Lowland Shrub	Nonstocked	5.7			No																																																					
77	4110 - Sugar Maple Association	Sawtimber Well	68.9	87	141-170	N/A	2015 YOE: Awesome sugar maple stand. Needs to be cut but no legal access. 2025 YOE: Same as last entry. Extremely overstocked and in desperate need of a thinning.																																																				
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78	4134 - Aspen, Spruce/Fir	Poletimber Well	28.5	27	51-80	N/A	2015 YOE: No legal access to this stand. 2025 YOE: Nice aspen stand with good stocking. Stems have made it to small pole size. Some wetter pockets with less stocking and smaller diameters present.																																																				
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79	6120 - Lowland Cedar	Poletimber Medium	23.6	111	111-140	N/A	2015 YOE: No Legal Access to this stand. 2025 YOE: Pole size cedar stand. Variable in spots. Very wet and sparse in many areas. Most likely due flooding at some point.																																																								
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80	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	20.5	103	111-140	N/A	2015 YOE: No legal access to this stand. 2025 YOE: Mixed lowland stand containing mostly cedar, birch and fir. Variable densities throughout stand. Birch and fir has filled in spots where cedar has blown down. Hold until next entry so non cedar species can gain more diameter.																																																								
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81	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	10.5	59	111-140	N/A	2015 YOE: Upland Mackinac Mix stand. Should be harvested but no legal access to this stand. 2025 YOE: Same as last entry. Still not cut. Lower ground on east side. West side of stand is almost pure aspen, but smaller stems.																																																								
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82	6112 - Lowland Aspen	Sawtimber Well	17.6	67	81-110	N/A	2015 YOE: No legal access to this stand. 2025 YOE: Mix of aspen/bam, birch and cedar. Cedar is mostly pole size, while birch and aspen are mostly mature saw size. Many stems have died and fallen over creating gaps that contain an aspen/spruce/fir/birch mix. If stand can not be harvested this entry it will have to wait until new cohort is mature enough.																																																								
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83	4130 - Aspen	Sapling Well	23.6	12	Immature	N/A	2015 YOE: Regen is doing great. About 10' tall. Very little conifer present. 2025 YOE: Excellent stocking. Aspen is almost approaching pole size.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
84	6120 - Lowland Cedar	Poletimber Well	27.9	114	111-140	N/A	2015 YOE: No legal access to this stand. 2025 YOE: Variable cedar stand. Mostly pole size stems. Well stocked in most places. Very wet throughout stand. Thinner patches present. Spruce, tamarack and some birch scattered throughout stand. Southern part of stand was formerly stand 92, but cover types are similar enough to merge as one stand. Slightly more tamarack in SW part of stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Paper Birch		5	Pole	6		Balsam Fir		
Northern White Cedar		70	Pole	7	114	Northern White Cedar		
Tamarack		10	Pole	6				
Black Spruce		15	Pole	6				
85	4110 - Sugar Maple Association	Sawtimber Well	38.7	102	51-80	N/A	2015 YOE: Part of this stand was thinned last entry. However there is a decent amount of white ash and beech present in the previous harvest area. The unharvested portion is in need of a regular thinning. A ridge of red maple and spruce fir separate these two areas. Heavy deer browse within the stand. 2025 YOE: West portion of stand thinned in 2009 as part of the Small Sale (45-128-05 timber sale. The east portion was thinned in 1997 as part of the Browns Lake Hardwood timber sale. Both parts of stand thinned in 2017 as part of the Lily Lake Mix SBW (45-105-16) timber sale. Very good quality stems left after thinning. 50-70 BA average left. Excellent stocking of hard maple advanced regen throughout stand. The middle portion of the stand was not part of the timber sale. The NE part of the stand that was thinned has slightly higher residual BA.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Basswood		5	Log	10		Sugar Maple		
Beech		5	Log	12		Red Maple		
Black Cherry		5	Log/Pole	10		Beech		
Red Maple		5	Log	10		Balsam Fir		
Balsam Fir		5	Pole	6				
White Spruce		5	Pole	6				
Sugar Maple		65	Log	12	102			
White Ash		5	Log	10				
86	622 - Lowland Shrub	Nonstocked	22.3		Immature	No	Taylor creek corridor. Mostly tag alder. Some lowland conifer on outer edges of stand.	
87	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	9.6	64	141-170	N/A	2015 YOE: No legal access to this stand. 2025 YOE: Mixed lowland stand containing birch, maple, cedar, hemlock and some aspen. Mostly large pole and log size. Abundant fir and maple regen that would do well if released. Harvest this entry.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		15	Log/Pole	10		Red Maple		
Balsam Poplar		5	Pole/Log	9		Birch (spp.)		
Balsam Fir		15	Pole	7		Northern White Cedar		
Black Spruce		5	Pole	8		Balsam Fir		
Northern White Cedar		20	Pole/Log	9				
Hemlock		5	Log	12				
Paper Birch		25	Log/Pole	10	64			
Black Ash		5	Pole	7				
Yellow Birch		5	Log	12				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
88	4119 - Mixed Northern Hardwoods	Sawtimber Well	11.0	82	81-110	N/A	2015 YOE: No legal access to this stand. 2025 YOE: Variable hardwood stand with patches of wetter ground containing more ash. All size classes present. Heavy deer browse.																																																				
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89	622 - Lowland Shrub	Nonstocked	7.9			No	Mostly tag alder with some cscattered swamp conifer scattered throughout stand. Many standing dead cedar in eastern portion of stand.																																																				
90	4136 - Aspen, Mixed Conifer	Poletimber Well	62.9	35	81-110	N/A	2015 YOE: Aspen is doing great. About 30' tall. Lots of spruce and balsam in places. 2025 YOE: Extremely well stocked mixed aspen/maple stand. Variable size throughout stand. Mostly small pole size, but a couple pockets of 8-10" diameter stems present. Cut as one stand next entry. Spruce/ fir and some hemlock on outer fringes. Small patch of small diameter maple with scattered log size maples on east side of stand.																																																				
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93	6120 - Lowland Cedar	Poletimber Well	17.1	125	141-170	N/A	2015 YOE: Almost pure cedar, a few scatter red maple. Tons of deer sign. Nice thick canopy. 2025 YOE: Nice cedar stand mixed with some birch, aspen, fir and maple. No deer sign observed.																																																				
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94	42340 - Upland Spruce/Fir	Poletimber Well	8.5	84	81-110	N/A	2015 YOE: Nice spruce, fir stand with some scattered maple. This stand is a nice little ridge right on the shore of Brown Lake. This is the only upland ground on the shore of the lake. 2025 YOE: Buffer along Brown Lake. Same as last entry. More cedar right on lake edge.																																																				
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95	6120 - Lowland Cedar	Poletimber Well	12.5	106	81-110	N/A	2015 YOE: A somewhat sparcer cedar stand than others in the area. Lots of deer sign. 2025 YOE: Not much different than last entry. Scattered ash, birch and fir mixed in throughout stand.																																																								
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96	4110 - Sugar Maple Association	Sawtimber Well	17.8	98	111-140	N/A	2015 YOE: Nice Maple stand. Not alot of beech. No legal access to this stand for a timber sale. 2025 YOE: Decent mixed hardwood stand. Heavy to hard maple. Some trees starting to decline due to no recent management. BA is somewhat variable, but average is 110-120. Excellent advanced regen throughout stand, but needs to be released. Some aspen scattered throughout stand.																																																								
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97	6120 - Lowland Cedar	Poletimber Well	22.3	124	111-140	N/A	2015 YOE: Really dense cedar stand. Small diameters. Almost a pure cedar stand except for some scattered red maple and paper birch. Stand data taken from pre-inv stand 101. This is all the same cedar stan around the south and eastern shores of Brown Lake. 2025 YOE: Not much has changed since last entry. Small tag alder inclusion in eastern part of stand.																																																								
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98	6120 - Lowland Cedar	Poletimber Well	30.5	124	81-110	N/A	2015 YOE: Really dense cedar stand. Small diameters. Almost a pure cedar stand except for some scattered red maple and paper birch. 2025 YOE: Fairly dense cedar. Mortality present throughout. Tag alder filling in spots where cedar has died/fallen over. Tamarack and spruce mixed in throughout stand.																																																								
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100	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	35.8	84	111-140	N/A	2015 YOE: Wet mackinac mix stand. Far eastern corner is upland hardwood but it is a small patch. It would be nice to harvest this stand but land owner to the SE has denied access in the past. Going along the pipeline from Burton's road isn't an option. 2025 YOE: Same as last entry. Stand is series of ridges and swales containing a variety of species. Red maple and aspen are very mature in spots. Dense fir understory throughout most of stand except for hardwood patch in SE part of stand. A couple swales of solid cedar present.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
105	6120 - Lowland Cedar	Poletimber Medium	40.8	110	1-50	N/A	2015 YOE: Very wet cedar and tag alder. Cedar is around ten feet tall and small. Very poor quality. 2025 YOE: Not much different since last entry. Poor stocking and stunted trees. Mostly pole size. Very wet.																																										
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106	4110 - Sugar Maple Association	Sawtimber Well	10.2	83	111-140	N/A	This stand was added 1/24/19 no inventory was done, everything was a remote call and no data should be taken from this. 2025 YOE: Very nice maple stand. Overstocked. Nice advanced regen in spots. Some conifer near edges.																																										
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107	42340 - Upland Spruce/Fir	Poletimber Poor	4.1	47	1-50	N/A	2025 YOE: Overgrown opening containing a mix of conifer and deciduous. Larger scattered spruce and white pine present.																																										
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111	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	39.6	58	111-140	N/A	2015 YOE: Stand is dense cedar varying to balsam and birch. Wetter ground to east. Aspen dying out. Small diameter for age. Access is through private. 2025 YOE: Aspen/spruce/fir mix mixed with cedar. Much of the aspen is over mature and dying out. Pockets of more cedar dominated areas exist near edges. Wet in spots.																																										
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112	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	10.9	65	81-110	N/A	2015 YOE: Very poor quality maple mixed with aspen poles. Some maple dying out. Not high basal area anywhere, consider cc and convert to aspen in 10 years if more maple decline. 2025 YOE: Not much has changed since last entry. Maple seems to be doing okay. Some dieback present. Good stocking throughout most of stand, but some poorly stocked gaps are present. More conifer on outer edges of stand. Much of the aspen is getting overmature. Shelterwood or clearcut this entry.																																										
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