



# Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52218

Entry Year 2026

Acreage: 2,370

County: Mackinac

Management Area: Bois Blanc Island

**Stand Examiner:** Tricia St. Pierre

## Legal Description:

T39-40N R1-2W, Gov't Lots 9, 10, 11, and 12 EXCEPT private parcels

## Identified Planning Goals:

There are no specific planning goals within the Great Lakes Islands, except to manage according to resource readiness, availability, and access. This compartment, as with many on Bois Blanc, has many Natural Features that define what forest practices can occur in certain areas.

## Soil and topography:

This compartment has one land type association, Mackinac breccia, a non-indurated breccia (as compared to the highly erosion-resistant indurated breccia), which permitted glacial movement and lakes to flatten out the island, through erosion, to form what is now a much flatter and lower elevation. The limestone bedrock has supported the predominance of lowland cedar associations throughout the landscape in the lower elevations. As such, the topography is generally flat with evidence of higher shorelines from when glacial lakes receded.

Habitat types are quite variable between the lowlands and uplands of the compartment, dominated by AFOAs (supporting much of the hardwood in the compartment) and unclassified lowland types (heavily populated by black spruce and cedar). PARVAa and AFPo/AFOAs are secondary, supporting lesser quality red maple, mixed aspen, and mixed conifer (particularly black spruce and balsam fir). ATFD (sugar maple, hemlock, beech supportive) and PARV (low nutrient; white pine and red maple supportive) play smaller roles in this compartment.

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

This compartment consists of four blocks of (mostly) solid state-ownership separated by lengthy private parcels. The far west block has more variable edges, confronting a larger number of private owners than the other blocks. The north edge of these blocks is defined by the shoreline of the island; the eastern-most block is met by Stateland to the east, and there are other blocks of Stateland joining some of the south edges of these blocks.

## Unique Natural Features:

High quality wooded dune and swale complex in the northwestern portion of compartment and rich conifer swamp in southeastern portion of compartment. Coastal fen in northwestern portion of compartment along shoreline. Compartment occurs within Bois Blanc Island PLU.

There are numerous accounts of rare plants documented on the island and the potential exists for these species to persist. Special attention should be taken in surveying for the following: dwarf lake iris, butterwort, limestone oak fern, calypso orchid, climbing fumitory, beauty sedge, prairie indian plantain, ram's head orchid, and douglass hawthorn. Known occurrences and potential for the following rare animals exist within this compartment also: massasauga, hines emerald dragonfly, bald eagle, red-shouldered hawk, and osprey.

## Archeological, Historical, and Cultural Features:

There are known and suspected Archeological, Historical, and Cultural Features within this compartment and throughout the Island as a whole.

## Special Management Designations or Considerations:

Beech scale, and the inexorable snap, is of major concern throughout the island's hardwood forests. Stands dominated by beech and beech brush will be an interesting study for the future of these forest types. Deer seem to have negatively affected the regeneration of certain species, particularly cedar and sugar maple, and pose threats to successful (desired) regeneration in both managed and non-managed stands.

Access and T&E/Rare species are the major limiting factors for management activities. Careful assessment should be made in proposed treatments and access routes to ensure that no damage comes to these unique communities of plants and animals. Furthermore, portage from the island to the mainland poses its own problems with weather and seasonally limited transportation.

The majority of this compartment has recently been inducted into a statewide Eastern Massasauga Management Area, intent on maintaining critical Eastern Massasauga Rattlesnake (EMR) habitat.

## Watershed and Fisheries Considerations:

NLHMU.  
Fisheries Concerns: None.

## **Wildlife Habitat Considerations:**

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

French Claims 9-12, Bois Blanc Island, Mackinac County

Two known, active sand & gravel pits exist on Bois Blanc Island; both are State-owned. There is a premium on sand & gravel on the island, and there is limited potential for additional development. Furthermore, bedrock is near the surface across much of the island. No known past exploration and testing for hydrocarbons has occurred on the island and no production. There has been no recent well permit activity or leasing activity involving State-owned mineral rights (other than for sand & gravel). There is no known potential for economic production of metallic minerals on the island.

## **Vehicle Access:**

Vehicular access is poor to the interior of this compartment, with very few trails (two- and single-tracks) therein. The western-most edge of the compartment and the north shore are accessible by most two-wheel drive vehicles and are maintained by the island's community. Roads coming from the east are seasonally impassable, one of the roads was completely washed out and not yet repaired.

## **Survey Needs:**

The need to establish survey corners is dependent on management activity and land transactions. As the State is actively trying to consolidate and homogenize ownership blocks, surveys will only be necessary on the parcels where land swaps/disposal/acquisitions are not imminent or foreseeable, and in the instance that commercial harvests become feasible on the island.

## **Recreational Facilities and Opportunities:**

There exists a rudimentary campground in the northwest corner of this compartment that continues along the shoreline to the west, with few undeveloped sites. There is a parking area for recreational use at the end of Bible Road. Bob Lo Drive, along the north shore, is used mostly by seasonal 4-wheeler traffic, though there are residents (permanent and seasonal) that utilize the road for access by POVs.

The rocky shoreline is abused by 4-wheeler traffic despite postings to keep off.

## **Fire Protection:**

There is a Volunteer Fire Department on the Island. Additional resources will need to come from the ferry in Cheboygan, making for a large lag in response time. Vehicular access to internal stands within this compartment is quite limited. There are old ice roads in the south that could be of potential use, but in general, roads are sparse and two-tracks are overgrown. The threat of phragmites on the shorelines and internal swamps might pose fire threats in the future; rapid response to developing colonies of phragmites will be essential for control of the invasive. Dead down ash and beech and dense balsam fir saplings, live and dead, increase the threat of wildfire. Climatological changes like warming and drying patterns may also increase the potential for increased fire activity within the uplands and lowlands alike.

On the bright side, water access and abundance are pretty good on the island.

## **Additional Compartment Information:**

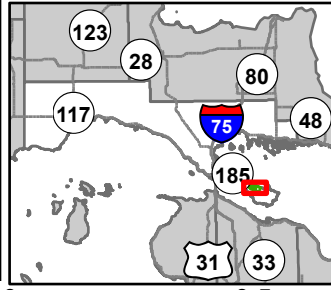
### **The following reports from the Inventory are attached:**

- 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**

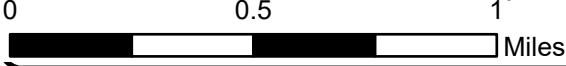
### **The following information is displayed, where pertinent, on the attached compartment maps:**

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

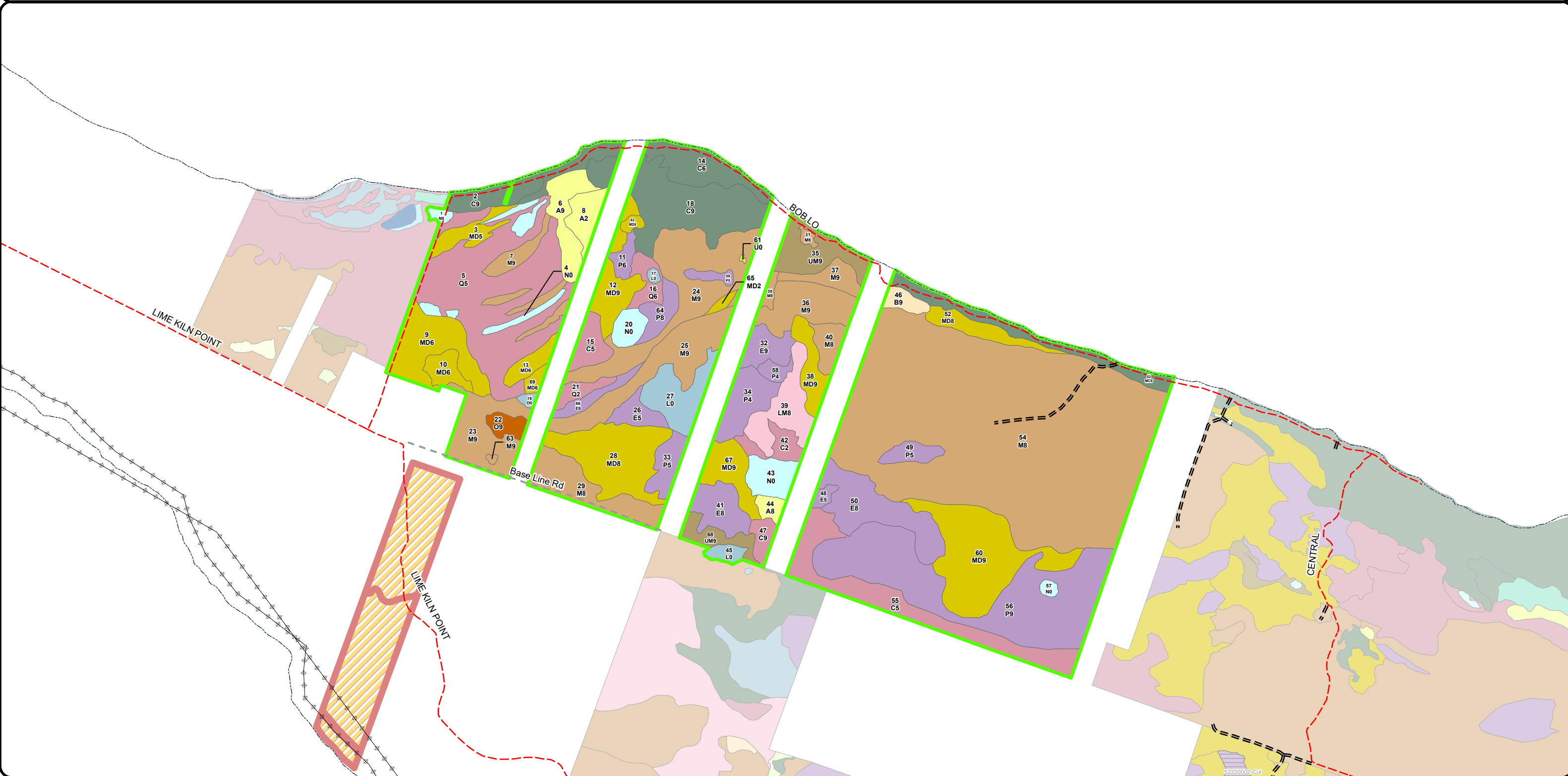
Cover Type & Treatments Map



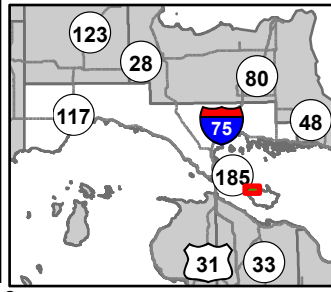
Compartment: 52218  
 T39-40N R1-2W, Gov't Lots 9, 10, 11, and 12 EXCEPT private parcels  
 County: Mackinac  
 Unit: Gaylord  
 Mgmt Area: Bois Blanc Island  
 YOE: 2026  
 Acres: 2370.1 GIS Calculated  
 Examiner: Tricia St. Pierre  
 Map Revised: 09/30/2024  
 Map Phase: Post Review



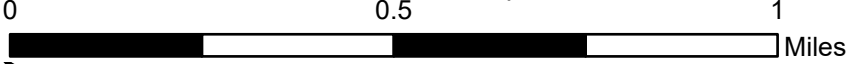
- |                                     |                                  |                                 |                         |
|-------------------------------------|----------------------------------|---------------------------------|-------------------------|
| === DNR - Forest Access Route       | --- Powerline                    | 419 - Mixed Upland Deciduous    | 330 - Low Density Trees |
| - - - County - Dirt Road (Seasonal) | --- Compartment Boundary         | 423 - Other Upland Conifers     | 622 - Lowland Shrub     |
| - - - Private - Dirt / Gravel Road  | --- 411 - Northern Hardwood      | 430 - Upland Mixed Forest       | 623 - Emergent Wetland  |
| --- Lake/Pond                       | --- 412 - Oak Types              | 611 - Lowland Deciduous Forest  |                         |
| --- Shoreline                       | --- 413 - Aspen Types            | 612 - Lowland Coniferous Forest |                         |
| --- Lakes and Rivers                | --- 414 - Other Upland Deciduous | 613 - Lowland Mixed Forest      |                         |



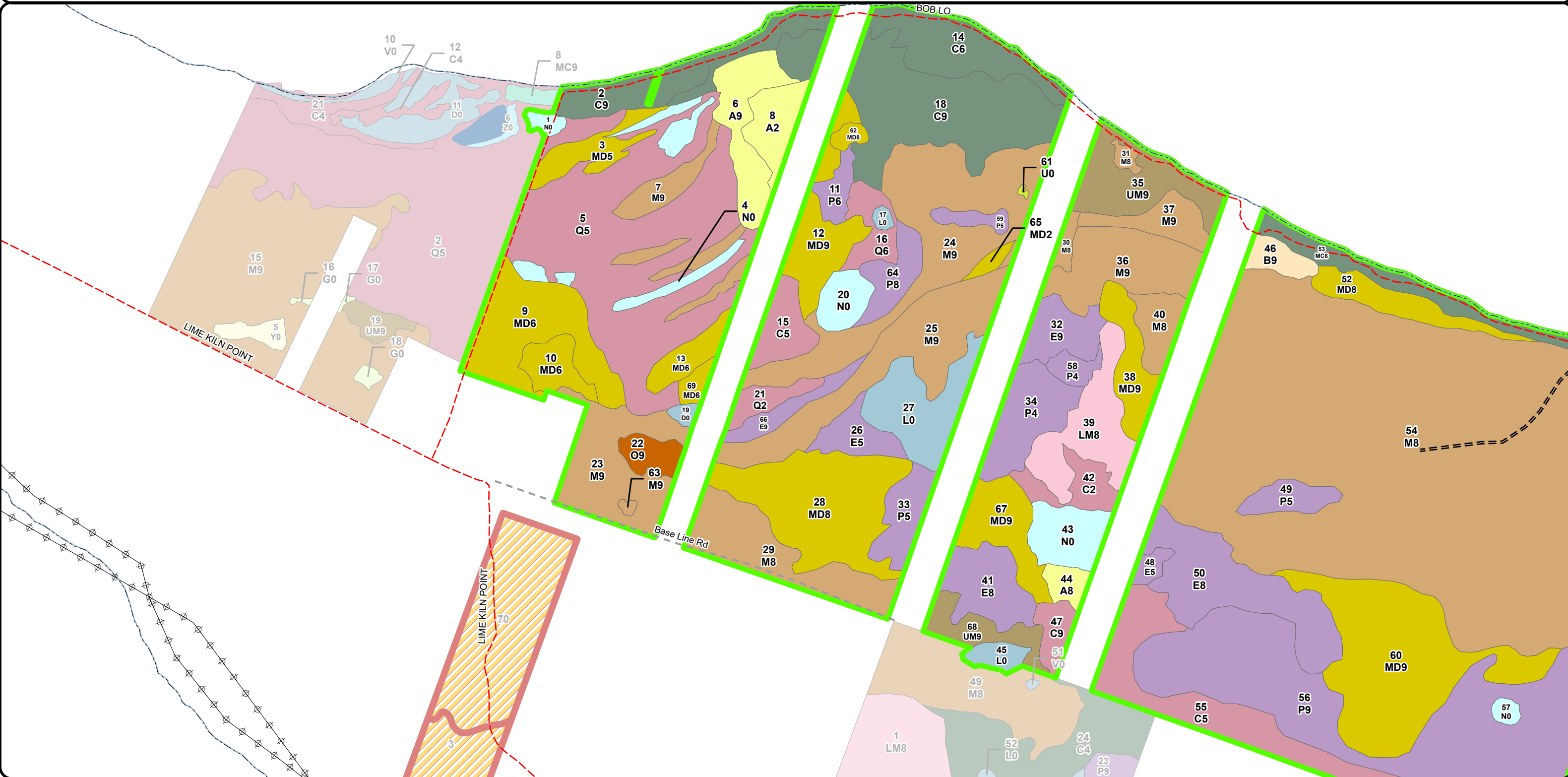
**Cover Type & Treatments Map**



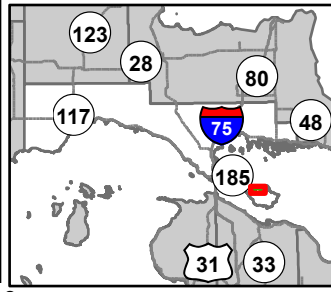
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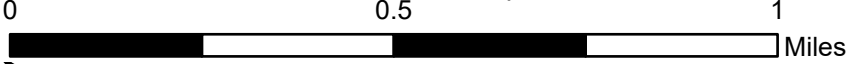
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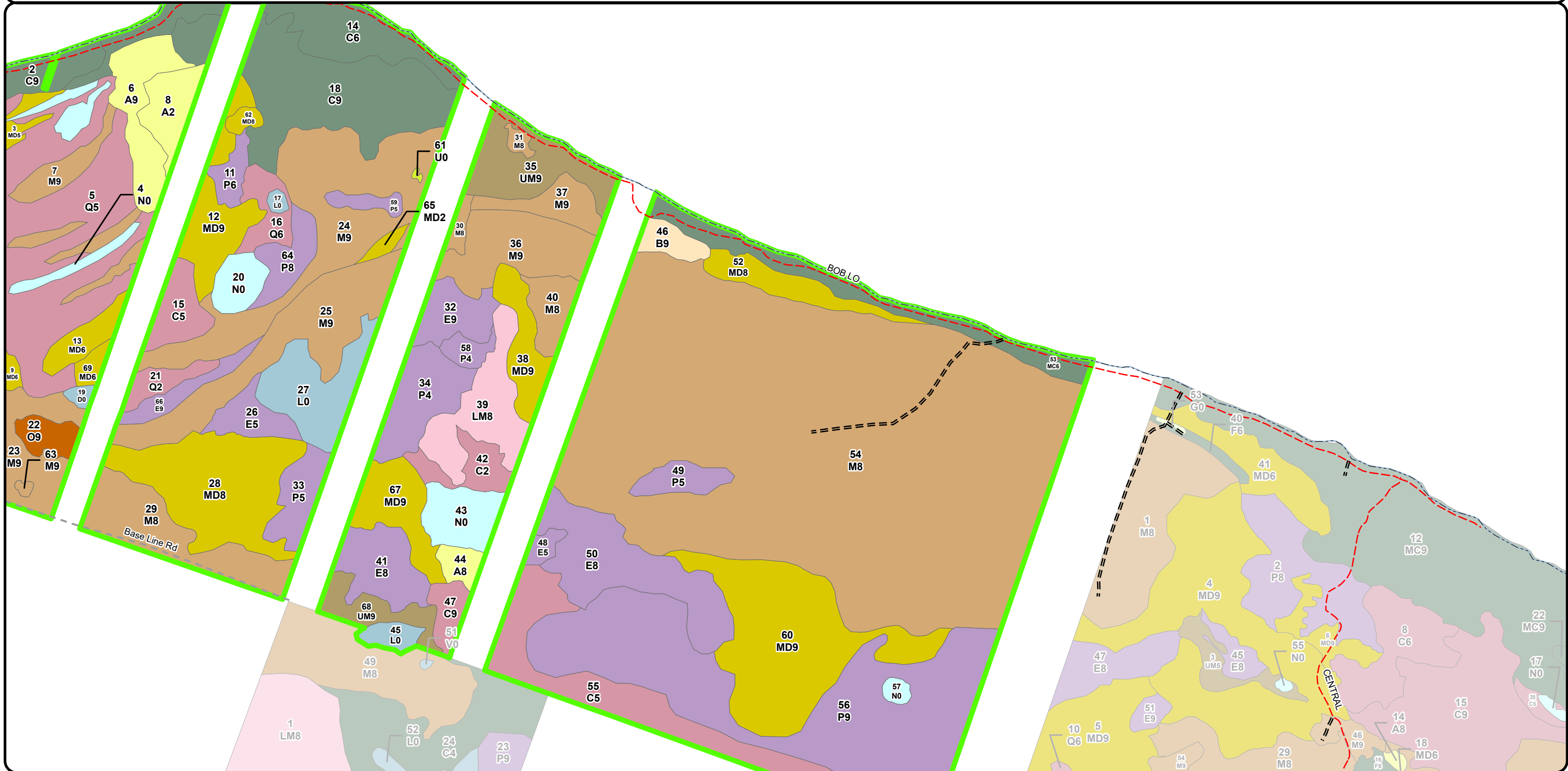
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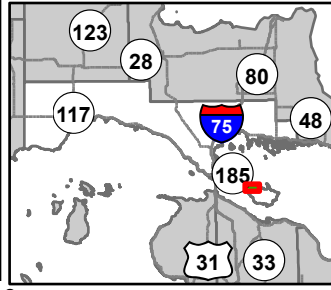


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**Stand Boundary Map**

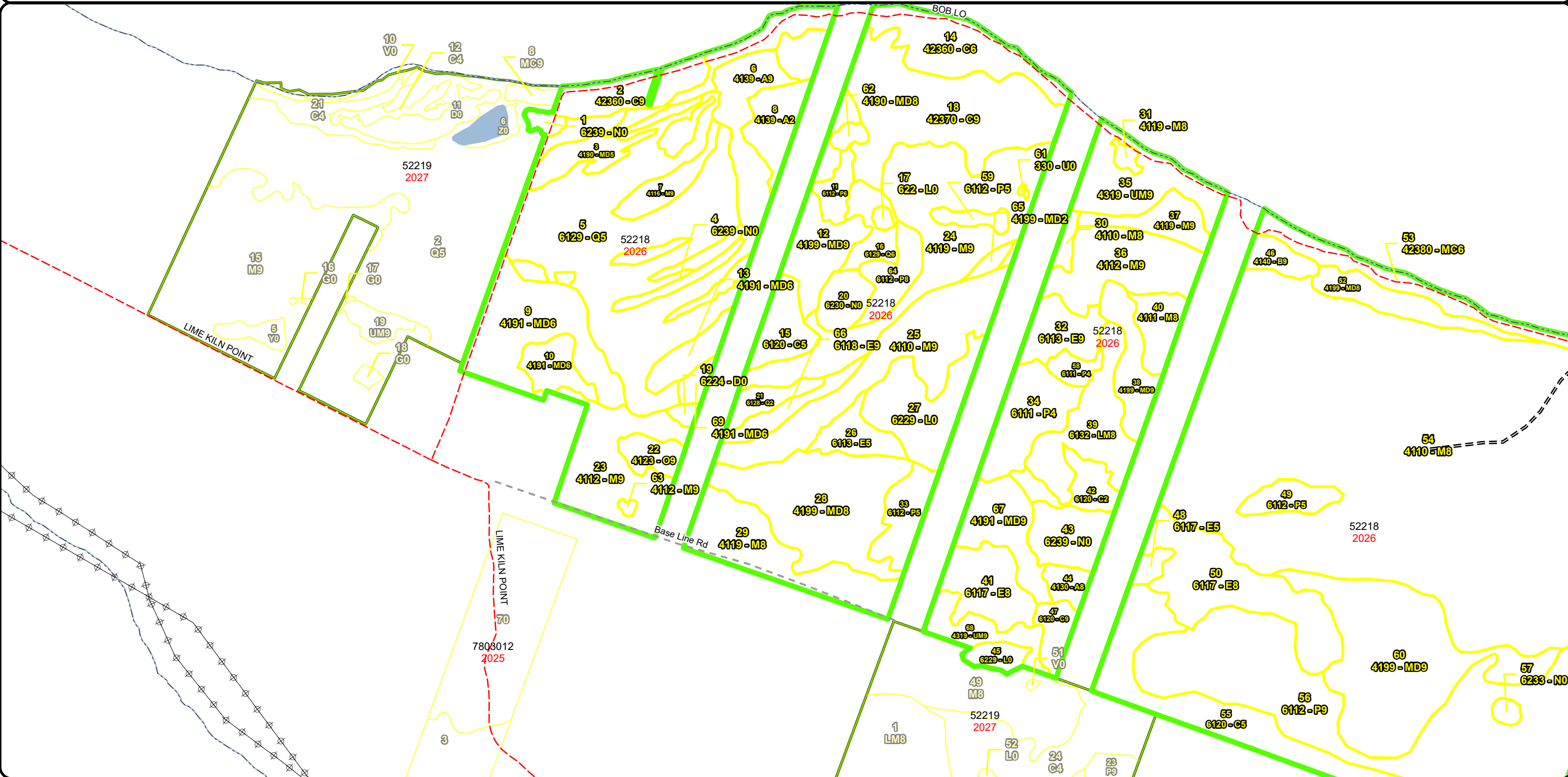


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0 0.5 1 Miles

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Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	17	0	0	0	0	0	0	28	0	7	0	0	0	0	0	52
Cedar	0	0	0	14	0	0	0	0	0	0	72	0	111	0	0	0	0	74	271
Low-Density Trees	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lowland Aspen/Balsam Poplar	0	0	0	28	0	0	6	5	167	22	28	0	0	0	0	0	0	0	256
Lowland Conifers	0	0	0	0	9	12	0	0	0	0	0	0	0	0	0	0	0	156	177
Lowland Deciduous	0	0	0	0	0	0	0	0	0	124	0	0	0	0	0	0	0	0	124
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	35	0	0	0	0	0	0	0	35
Lowland Shrub	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Marsh	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
Mixed Upland Deciduous	0	0	3	0	0	0	0	0	0	102	16	200	32	0	0	0	0	0	352
Northern Hardwood	0	0	0	0	0	0	0	0	0	111	104	668	15	0	0	0	4	1	903
Oak	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9
Paper Birch	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	9
Treed Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Conifers	0	0	0	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	36
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	16	33	0	0	0	0	0	0	0	49
<b>Total</b>	<b>98</b>	<b>0</b>	<b>3</b>	<b>59</b>	<b>9</b>	<b>12</b>	<b>6</b>	<b>5</b>	<b>176</b>	<b>375</b>	<b>317</b>	<b>912</b>	<b>165</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>231</b>	<b>2371</b>



## Report 2 – Treatment Summary

**Gaylord Mgt. Unit**

**Year of Entry: 2026**

**Acres of Harvest**

**Compartment 218**

**Total Compartment Acres: 2,370**

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

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Mgt. Unit

### Report 3 -- Treatments

Compartment:

Year of Entry:



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n  
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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

Total Treatment  
Acreage Proposed: 0



# Report 4 – Site Conditions

Gaylord Mgt. Unit  
Tricia St. Pierre: Examiner

Compartment: 218  
Year of Entry: 2026



### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	3A	3B
		With Condition	Not Available			
52	0	0	52	Aspen		45
271	0	0	271	Cedar		45
0	0	0	0	Low-Density Trees		
256	0	0	256	Lowland Aspen/Balsam Poplar		
177	0	0	177	Lowland Conifers		156
124	0	0	124	Lowland Deciduous		
35	0	0	35	Lowland Mixed Forest		
42	0	0	42	Lowland Shrub		
54	0	0	54	Marsh		20
353	0	0	353	Mixed Upland Deciduous	66	43
902	0	0	902	Northern Hardwood	46	199
9	0	0	9	Oak	9	
9	0	0	9	Paper Birch		9
2	0	0	2	Treed Bog	2	
36	0	0	36	Upland Conifers		17
49	0	0	49	Upland Mixed Forest		
2,370			2,370	Total Forested Acres	123	534
	0%		100%	Relative Percent		

*\*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	<b>3B: Threatened, endangered, and special concern species</b>	318	1C: Other dept or div proc/practices	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified
<b>Comments:</b> This area contains a Wooded Dune and Swale Complex natural community. Potential for other T&E species as well. Historical and Archaeological concerns.							

## Report 4 – Site Conditions

Gaylord Mgt. Unit  
Tricia St. Pierre: Examiner

Compartment: 218  
Year of Entry: 2026



2	<b>Unavailable</b>	<b>3A: Conservation Values incompatible with harvest at this time</b>	124	3B: Threatened, endangered, and special concern species	Unspecified	Unspecified	Unspecified
<b>Comments:</b> T&E and HAL potential.							
3	<b>Unavailable</b>	<b>3B: Threatened, endangered, and special concern species</b>	217	3K: Rare or unique landforms	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified
<b>Comments:</b> T&E, Historical and Archaeological concerns.							
19	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	1,712	3B: Threatened, endangered, and special concern species	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified
<b>Comments:</b> The vast majority of the identified area is within the EMR Management Area. Additionally, there's the Central Cedar Swamp SCA and T&E concerns.							

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
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**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	Great Lakes Islands	Great Lakes Islands provide significant habitat for numerous species, including many rare plants and animals, several of which are endemic or largely restricted to the Great Lakes region. Due to their isolation, islands provide good examples of many Great Lakes-associated natural communities and ecosystems, and thus have potential to provide insights for understanding the consequences of human disturbance on the increasingly fragmented ecosystems of the mainland.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	6239 - Mixed Emergent Wetland	Nonstocked	3.3		Unspecified	No	Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.
2	42360 - Upland Cedar	Sawtimber Well	21.5	94	111-140	N/A	Stand contains campsites. Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.
3	4190 - Mixed Upland Deciduous with Cedar	Poletimber Medium	15.9	94	81-110	N/A	Dune and swale complex. Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.
4	6239 - Mixed Emergent Wetland	Nonstocked	17.1		Unspecified	No	Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.
5	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	155.8	94	Unspecified	N/A	Old shoreline; swale complex with very little variation in topography the upland and lowland. Dune and swale complex. Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.
6	4139 - Aspen, Mixed Deciduous	Sawtimber Well	28.1	90	Unspecified	N/A	Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.
7	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	24.3	84	81-110	N/A	Appears to be a mix of hardwood raised above the swale complex. Dune and swale complex. Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.
8	4139 - Aspen, Mixed Deciduous	Sapling Medium	16.8	25	1-50	N/A	Clearcut; heavy browsing. Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.
9	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	49.3	85	81-110	N/A	Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.
10	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	12.5	85	51-80	N/A	Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.

11	6112 - Lowland Aspen	Poletimber Well	7.7	85	81-110	N/A	A lot of coarse woody debris. One red berried elder growing on top of a root ball, about 5 feet up. Western edge is a little more uplandy with larger diameters.																																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>1</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Balsam Poplar</td> <td>2</td> <td>Pole/Log</td> <td>8</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>80</td> <td>Pole/Log/XLog</td> <td>8</td> <td>85</td> </tr> <tr> <td>Yellow Birch</td> <td>10</td> <td>Pole/Log/Sap</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Northern White Cedar	5	Log/Pole	12		Paper Birch	2	Sapling/Pole	4		Red Maple	1	Log/Pole	10		Balsam Poplar	2	Pole/Log	8		Quaking Aspen	80	Pole/Log/XLog	8	85	Yellow Birch	10	Pole/Log/Sap	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Poplar</td> <td>Trace</td> <td>&lt; 5 feet</td> <td>Sapling</td> </tr> <tr> <td>White Spruce</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Northern White Cedar	Medium	Variable	Sapling	Balsam Poplar	Trace	< 5 feet	Sapling	White Spruce	Trace	Variable	Sapling	Balsam Fir	Medium	Variable
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>12</b>	4199 - Other Mixed Upland Deciduous	Sawtimber Well	28.5	111	81-110	N/A	Trace white spruce, white pine in canopy. Rare hemlock in the subcanopy. Decent advanced sugar maple subcanopy - nice development, good form. Northern leg is sugar maple dominated with dead white ash and quaking aspen; trace beech and red oak. Beech subcanopy present here but lacking in the oak dominated main body.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	1	Log/XLog	16	
Basswood	1	Log/XLog	14	
Paper Birch	5	Log/Pole	12	
Sugar Maple	30	Log/Pole	12	
Red Maple	1	Log/Pole	12	
Northern White Cedar	2	Log/Pole	12	
Bigtooth Aspen	5	XLog/Log	18	
Red Oak	55	Log/XLog	16	111

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Trace	Variable	Sapling
White Spruce	Trace	Variable	Sapling
Striped Maple	Trace	Variable	Sapling
Sugar Maple	Low	>20 feet	Sapling
Beech	Trace	Variable	Sapling

<b>13</b>	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	11.3	85	81-110	N/A	Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.
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<b>14</b>	42360 - Upland Cedar	Poletimber Well	50.9	94	81-110	N/A	Old shoreline complex with swales, some of which are very wet. Swales are occupied by larch, Labrador tea, cedar, spruce, balsam fir. Occasional sweet gale. Upland portions are pretty spongy. Slight increase in white pine and larch in the western portion of the stand. Trace red pine in the canopy; rare juniper (along shoreline) in the subcanopy.
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	75	Pole/Log/XLog	8	94
White Spruce	3	Log/Pole/XLog	10	
Black Spruce	2	Pole	8	
Tamarack	2	Log/Pole	12	
Quaking Aspen	5	Log/XLog/Pole	14	
White Pine	3	Log/XLog/Pole	14	
Balsam Fir	7	Pole/Sapling	7	
Paper Birch	3	Pole/Log/Sap	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Trace	< 5 feet	Sapling
Small Cranberry	Trace	< 5 feet	Tall Shrub
Sweet Gale	Trace	< 5 feet	Tall Shrub
Balsam Fir	High	Variable	Sapling
Labrador Tea	Trace	< 5 feet	Tall Shrub
White Spruce	Trace	Variable	Sapling
Tamarack	Trace	Variable	Sapling

<b>15</b>	6120 - Lowland Cedar	Poletimber Medium	15.8	114	141-170	N/A	Dead black ash. Wet pocket in center of stand dominated by sapling white spruce, balsam fir, cedar, larch, BAM with scattered log QA/BAM.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	25	Log/XLog	16	
Northern White Cedar	60	Pole/Log	8	114
Paper Birch	3	Log/Pole	10	
White Spruce	10	Log/Pole	10	
Red Maple	2	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Trace	5 - 10 feet	Tall Shrub
Tamarack	Trace	10 - 20 feet	Sapling
Balsam Poplar	Trace	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
White Spruce	Low	Variable	Sapling
Striped Maple	Trace	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
16	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	12.0	41	Unspecified	N/A	<p>Sapling stand, despite MiFI insistence that it's Pole. Stand data is based on observations from the north half. South half appears to be more cedar dominated, less canopy closure. Gentle upland slope on east edge between stand 17 and 24. Trace red maple, white pine in canopy. Rare cattails in subcanopy. North half at least is the result of a recovering beaver flooding - old beaver damage. Some small channels through north. Scattered residual log spruce and cedar.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Northern White Cedar		35	Sapling/Pole/Log	4	41	Willow spp.		Trace	>20 feet	Sapling	
Balsam Fir		33	Sapling/Pole	4	41	Balsam Poplar		Low	Variable	Sapling	
White Spruce		15	Pole/Sapling	5		Balsam Fir		Trace	Variable	Sapling	
Quaking Aspen		5	Pole/Sapling	6		White Spruce		Trace	Variable	Sapling	
Yellow Birch		1	Pole/Sapling	6		Northern White Cedar		Medium	Variable	Sapling	
Paper Birch		10	Pole/Sapling	6							
Balsam Poplar		1	Pole/Sapling	6							
17	622 - Lowland Shrub	Nonstocked	1.7		Unspecified	No		<p>Swamp milkweed, bulrush present. More trees present in south third of stand; north is grass and shrub dominated.</p>			
Sub-Canopy Species		Density	Avg. Height	Size							
Cattail spp.		Low	Unspecified	Non-Wood							
Northern White Cedar		Low	5 - 10 feet	Sapling							
White Spruce		Low	Variable	Sapling							
Tag Alder		Medium	5 - 10 feet	Tall Shrub							
Willow spp.		Low	< 5 feet	Tall Shrub							
18	42370 - Upland Cedar, Aspen	Sawtimber Well	86.3	114	141-170	N/A	<p>Highly variable basal areas. Cedar and quaking aspen are consistently present. Birch, white pine, balsam fir are somewhat clumpy in nature. Rare white pine, white spruce, hemlock in subcanopy. Trace hemlock, balsam poplar, and bigtooth aspen in canopy. Dog lichen(?) present. Remarkable upland cedar with pockets of coarse woody debris - mostly balsam fir, some white ash, spruce, and aspen tops CWD. Declining QA, PB. Regen is almost exclusively BF. Some pockets of overmature, declining aspen. Gorgeous hemlock and white pine along south edge. Fantastic cedar complex in southwest.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Spruce		1	Log	14		Balsam Fir		High	Variable	Sapling	
Quaking Aspen		28	Log/XLog/Pole	14		Striped Maple		Trace	Variable	Sapling	
Red Maple		2	Log/Pole/XLog	12							
Sugar Maple		1	Pole/Log	8							
Balsam Fir		2	Pole/Log/Sap	7							
Paper Birch		2	Log/Pole	12							
Northern White Cedar		64	Log/Pole/XLog	12	114						
19	6224 - Treed Bog	Nonstocked	2.3		Unspecified	No		<p>Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.</p>			
20	6230 - Cattail	Nonstocked	11.5		Unspecified	No	<p>Channels throughout stand; old beaver dam in the north.</p>				
Sub-Canopy Species		Density	Avg. Height	Size							
Cattail spp.		High	Unspecified	Non-Wood							
Northern White Cedar		Low	Variable	Sapling							
Balsam Fir		Low	Variable	Sapling							
White Spruce		Low	Variable	Sapling							
Tamarack		Low	Variable	Sapling							



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21	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Medium	8.7	31	Immature	N/A	Edge call from various points along the south edge. Appears to be a well-regenerating stand with scattered residual poles, occasional log. Species composition will likely be adjusted if observed from within the stand. Some very impressive white pine regeneration on south edge as well.																																																																					
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22	4123 - Red Oak	Sawtimber Well	9.1	100	141-170	N/A	Visited 11/20/13 by JS. Comments: Some XL red oak and beech. Beech scale heavy; snap occurring. Nice quality oak. Some ironwood. Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.																																																																					
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24	4119 - Mixed Northern Hardwoods	Sawtimber Well	86.4	84	81-110	N/A	Dead white ash. Rare hemlock seedling <1'. Trace red oak in the northwest. Nice hemlock in the northwest, too. Trace white pine along the northeast edge. Portion near stand 65 is aspen/red maple dominated, 25-50% forested with thick balsam fir saplings. Just to the south, before the stand narrows, it becomes paper birch/red maple dominated with trace hemlock. Some wet swales within stand. Trail along the southern half of the stand, then veers northwest. Observed one small yew!																																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
<b>25</b>	4110 - Sugar Maple Association	Sawtimber Well	59.1	91	111-140	N/A	<p>Trace ironwood, hemlock, quaking aspen in canopy. Rare balsam fir, white pine, and hemlock in subcanopy. Stand follows a ridge; northeast slopes into adjacent lowland.</p> <p>Trace yellow birch along south edge of stand 65. Dead white ash; significant beech snap. Sparse subcanopy stocking where not dominated by beech. One red berried elder on root ball. Trace white pine saps, hemlock in middle of stand, sort of near stand 26. Increase of basswood, inclusion of red maple, hemlock, yellow birch in south (absent in the north).</p> <p>East edge gets wet as it transitions into the adjacent lowland (stand 27) with silver maple.</p> <p>South quarter of the stand transitions to sugar maple with beech, birch, basswood, red maple bigtooth, and hemlock (scattered but consistent). FULL beech subcanopy.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Basswood		2	XLog/Log	18		White Spruce		Trace	Variable	Sapling	
Bigtooth Aspen		1	XLog/Log	20		Striped Maple		Trace	Variable	Sapling	
Sugar Maple		87	Log/Pole/XLog	10	91	Sugar Maple		Low	>20 feet	Sapling	
Red Maple		2	Log/Pole/XLog	14		Beech		High	Variable	Sapling	
Paper Birch		5	Log	12		Ironwood		Trace	< 5 feet	Sapling	
Beech		2	Log/Pole	12							
Red Oak		1	Log/XLog	14							
<b>26</b>	6113 - Lowland Maple	Poletimber Medium	12.9	85	81-110	N/A		<p>Hardwood swamp, scattered dead black ash. Trace quaking aspen, BAM in south half of stand.</p>			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			Density	Avg. Height	Size
Silver Maple		100	Pole/Log/XLog	8	85	Cattail spp.			Medium	Unspecified	Non-Wood
						Tag Alder			Low	5 - 10 feet	Tall Shrub
						Michigan Holly			Trace	5 - 10 feet	Tall Shrub
						Silver Maple			Low	>20 feet	Sapling
						Leatherleaf			Medium	< 5 feet	Tall Shrub
						Willow spp.			Trace	5 - 10 feet	Sapling
<b>27</b>	6229 - Mixed lowland shrub	Nonstocked	33.6		Unspecified	No	<p>More cedar in the south than elsewhere. Small channels through stand.</p>				
Sub-Canopy Species		Density	Avg. Height	Size							
Bulrush		Trace	Unspecified	Non-Wood							
Silver Maple		Trace	>20 feet	Log							
Willow spp.		Medium	5 - 10 feet	Tall Shrub							
Northern White Cedar		Low	Variable	Sapling							
Cattail spp.		Low	Unspecified	Non-Wood							
Tag Alder		Trace	5 - 10 feet	Tall Shrub							
Leatherleaf		Low	< 5 feet	Tall Shrub							
Phragmites (native)		Low	Unspecified	Non-Wood							
<b>28</b>	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	67.0	101	51-80	N/A	<p>Trace sugar maple, beech, BAM, red oak, basswood in canopy. Rare hemlock, cedar, black spruce, holly in the subcanopy. Dead ash. Pole red maple/quaking aspen dominated with pockets dominated by log. Better soil development on south end and into stand 29.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Northern White Cedar		5	Pole/Log	8		Japanese Barberry		Trace	< 5 feet	Tall Shrub	
Quaking Aspen		38	Pole/Log	8		Striped Maple		Low	Variable	Sapling	
Balsam Fir		5	Pole	6		Balsam Fir		High	Variable	Sapling	
Hemlock		3	Log/XLog/Pole	14		Sugar Maple		Trace	>20 feet	Sapling	
Red Maple		40	Pole/Log	8	101	Tag Alder		Trace	10 - 20 feet	Tall Shrub	
Yellow Birch		5	Pole/Log	8		Beech		Trace	Variable	Sapling	
Paper Birch		2	Pole/Log	8		White Spruce		Low	Variable	Sapling	
White Spruce		2	Log/Pole	10							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
<b>29</b>	4119 - Mixed Northern Hardwoods	Sawtimber Medium	41.9	106	51-80	N/A	Baseline road along south edge of stand (meanders). Really horrific beech brush, resulting from BBD and the aftermath (with 90% mortality in beech). Observed two basswood poles. More red maple in east than west. Trace yellow birch on north edge; more oak along north edge, too. Rare hemlock in the subcanopy. Trace quaking aspen.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Basswood	3	Log/XLog	16		Ironwood	Trace		Variable	Sapling
Sugar Maple	59	Log/Pole/XLog	14	106	Striped Maple	Trace		Variable	Sapling
Red Maple	15	Log/Pole/XLog	14		Balsam Fir	Trace		>20 feet	Sapling
Red Oak	2	Log/XLog	16		Beech	Full		Variable	Sapling
Beech	5	Log/Pole	14						
Paper Birch	10	Log	12						
Hemlock	1	Log/XLog	14						
Bigtooth Aspen	5	XLog/Log	18						
<b>30</b>	4110 - Sugar Maple Association	Sawtimber Medium	3.9	151	51-80	N/A	Average diameter is 26-28. Trace bigtooth aspen. Potential OG; paper birch decline.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Beech	10	Pole/Log	8		Beech	Full		Variable	Sapling
Sugar Maple	80	XLog/Log	22	151					
Paper Birch	10	Log/XLog	16						
<b>31</b>	4119 - Mixed Northern Hardwoods	Sawtimber Medium	2.6	100	81-110	N/A	POG. Rare striped maple in subcanopy.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Sugar Maple	64	Log/Pole/XLog	16	100	White Spruce	Trace		Variable	Sapling
Paper Birch	1	Log	14		Sugar Maple	Trace		>20 feet	Sapling
Quaking Aspen	13	Log/XLog	16		Balsam Fir	Medium		Variable	Sapling
Northern White Cedar	20	Log/Pole/XLog	14						
Yellow Birch	2	Log	10						
<b>32</b>	6113 - Lowland Maple	Sawtimber Well	17.5	84	141-170	N/A	Rare elm, balsam fir, black ash, white cedar in subcanopy. Pretty awesome floodplain forest. Long dead black ash except a couple with live epicormic shoots.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Silver Maple	100	Log/Pole/XLog	12	84	White Spruce	Trace		Variable	Sapling
					Leatherleaf	Trace		< 5 feet	Tall Shrub
					Silver Maple	Trace	>20 feet	Sapling	
<b>33</b>	6112 - Lowland Aspen	Poletimber Medium	16.6	91	51-80	N/A	Trace hemlock in canopy. Active beaver. Dead black ash saplings. Regenerating quaking aspen, balsam fir, white spruce with occasional cedar, birch, red maple. Occasional but rare surviving black ash sapling. Larger diameters as you progress south, becoming more log-sized.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	80	Pole/Sap/Log	7	91	Balsam Fir	High		Variable	Sapling
Balsam Poplar	2	Pole/Log	8		White Spruce	Trace		Variable	Sapling
Red Maple	5	Pole/Log/Sap	6		Northern White Cedar	Trace		10 - 20 feet	Sapling
Paper Birch	5	Log/Pole	10		Tag Alder	Low		5 - 10 feet	Tall Shrub
Balsam Fir	3	Pole/Sapling	6						
Northern White Cedar	5	Log/Pole	12	91					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
<b>34</b>	6111 - Lowland Balsam Poplar	Poletimber Poor	28.0	26	1-50	N/A	Lots of dead cedar, black spruce, black ash. Squishy and hummocky stand. Rare equisetum and cattails in the subcanopy.																																																															
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<b>35</b>	4319 - Mixed Upland Forest	Sawtimber Well	33.1	95	111-140	N/A	Upland cedar, mixed deciduous. Pockets of dense balsam fir regeneration, 2", 20'. Some pockets of fir mortality - possibly spruce budworm. Variable pockets of quaking aspen. Very cool stand; old growth present. White ash went from 2% in 2013 to absent in 2023. Rare ash in the subcanopy (just saw one).																																																															
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<b>36</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	38.9	103	51-80	N/A	Rare living log beech. Areas without full beech subcanopy see an increase in stiff clubmoss and advanced sugar maple saplings, >20', but still have a low stocking of subcanopy beech. ORV trail through north end of stand (generally E-W). Trace red maple, ironwood, basswood, quaking aspen in canopy. Rare white spruce in subcanopy.																																																															
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<b>37</b>	4119 - Mixed Northern Hardwoods	Sawtimber Well	14.9	112	51-80	N/A	Hemlock, cedar along north edge. Dead yellow and paper birch scattered. Few dead white ash and beech in canopy yet. West leg has a much higher stocking of subcanopy balsam fir and an increase in balsam fir poles and trace white spruce poles.																																																																					
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<b>39</b>	6132 - Mixed Lowland Forest with Cedar	Sawtimber Medium	35.4	101	111-140	N/A	Significant blowdown made it difficult to walk through this stand to better estimate composition. Inventory is largely influenced by field observation in the southwest. Stumps and burn scars in southwest. Pockets of significant, thick blow down; cedar, fir, alder, larch, black ash, spruce, BAM filling in.																																																																					
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<b>40</b>	4111 - S.Maple, Hard Mast Association	Sawtimber Medium	13.3	103	51-80	N/A	Contains potential old growth sugar maple and basswood.																																																																					
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41	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	25.0	84	51-80	N/A	Edge call from southwest. Stand would benefit from a more thorough field inventory.																																																																																
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42	6120 - Lowland Cedar	Sapling Medium	13.6	26	Immature	N/A	Old beaver flooding, filling in with nice diversity in trees. Scattered remnant larch, aspen, willow. Non-forested pockets are dominated by willow and grasses, but filling in with seedlings/saplings. One nightshade. Cedar present in sap/pole/log, but MiFI wouldn't allow me to call it that without calling the stand a pole stand. Canopy/subcanopy is kind of jumbled up at this stage. Heavier stocking of poles/logs in western portion of stand by appearance (imagery - did not observe in the field).																																																																																
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43	6239 - Mixed Emergent Wetland	Nonstocked	19.3		Unspecified	No	Old beaver dam in north, appears to have flooded the stand resulting in mortality. Observed from the south. Nice sapling regeneration along south edge. Becomes increasingly sparse and wetter as you progress north. Dead standing cedar. West edge and especially northwest appear to have slightly higher stocking of deciduous species, likely aspen, red/silver maple, and/or birch. Saplings are likely to continue encroaching northward.																																																																																
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44	4130 - Aspen	Sawtimber Medium	6.7	110	51-80	N/A	South third of stand becomes fully stocked with balsam fir in the subcanopy. North half is dominated by striped maple, saplings and poles. Potential for seasonal flooding.																																																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
45	6229 - Mixed lowland shrub	Nonstocked	6.4		Unspecified	No	Observed from north edge. Nice white pine on northeast perimeter. Appears to have a higher prevalence of deciduous trees along the south edge.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Bulrush	Medium	Unspecified	Non-Wood	
								Tag Alder	Low	5 - 10 feet	Tall Shrub	
								White Pine	Low	Variable	Sapling	
Red Maple	Trace	>20 feet	Pole									
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46	4140 - Other Upland Deciduous	Sawtimber Well	8.7	75	111-140	N/A	11/20/13 comments: Beech scale. Few Ironwood, 5", BW 14", in the eastern portion fading into adjacent stand. White spruce on north edge. Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Paper Birch	80	Log/Pole	10	75
								Balsam Fir	2	Pole	6	
								Quaking Aspen	2	Log	16	
								White Spruce	2	Pole	8	
								Beech	2	Log	12	
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47	6120 - Lowland Cedar	Sawtimber Well	9.1	114	141-170	N/A	Wet, very mossy and hummocky. White spruce is sort of in a super canopy position. Some live black ash saplings. Trace larch, white pine in canopy. Rare holly, cedar, black spruce in subcanopy.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Northern White Cedar	93	Log/Pole	10	114
								Red Maple	1	Log/Pole	12	
								Yellow Birch	1	Pole/Log	8	
								White Spruce	2	Log	12	
								Balsam Fir	1	Pole/Sapling	6	
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Sub-Canopy Species	Density	Avg. Height	Size									
Tag Alder	Trace	5 - 10 feet	Tall Shrub									
Black Ash	Low	10 - 20 feet	Sapling									
Balsam Fir	Medium	Variable	Sapling									
48	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	4.1	85	51-80	N/A	Remote call based on aerial imagery. Stand was not visited during 2023/2024 inventory season.					
49	6112 - Lowland Aspen	Poletimber Medium	10.9	95	51-80	N/A	Treed bog in the middle, surrounded by spruce, aspen. Wet. Stump field - a couple enormous stumps. Unique species composition in the subcanopy; some rare occurrences for the island: rare occurrences of grape, hazelnut, and red osier dogwood. Also rare occurrences of sugar maple, hemlock, and yellow birch. Dead black ash. Pretty much all paper birch originates from nurse stumps.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Paper Birch	5	Pole/Sapling	6	
								Balsam Poplar	25	Pole/Sapling	6	
								Quaking Aspen	25	Log/Pole/XLog	14	95
								Balsam Fir	15	Pole/Sap/Log	8	
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Balsam Fir	Low	Variable	Sapling									
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Alder Leaved Buckthorn	Low	< 5 feet	Tall Shrub									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
50	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	54.3	80	81-110	N/A	Trace amounts of white cedar to the south and west edge. Heavy browsing. Pockets of blow down with pretty dense spruce/fir saplings coming up. Wetter to west. Charred stumps. Rare beech, suar maple, black spruce, alder in subcanopy. Balsam fir subcanopy increased from medium (2014) to high (2023).																																																															
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52	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	18.8	104	81-110	N/A	2014 comments: Heavier to sugar maple in the south (especially in the shadow of the hill), paper birch in the north; few white cedar along north edge, quaking aspen too. 100% cover of paper birch in the middle (gentle transition into and out of birch pocket), then back to 50%. Occasional yellow birch on edge. Few hemlock and white cedar to east; larger diameter timber in east also - very high water table. MNFI concern. Beech scale. Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.																																																															
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53	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	35.8	95	81-110	N/A	11/20/13 comments: Heavier to white cedar along coast. Pockets of log-sized trees. Quaking aspen falling out. Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.																																																															
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54	4110 - Sugar Maple Association	Sawtimber Medium	571.2	102	81-110	N/A	Beech has been reduced from 27% (2014) to 5% (2023); hit hard by BBD, and whatever beech are lingering are mostly affected by scale, declining from the top down. The only thing growing amongst the dense beech brush is advanced sugar maple saplings and poles >20', and the occasional striped maple and ironwood. PB has mostly died out. Trace ironwood, bigtooth, basswood, and hemlock in the canopy. Rare white spruce, apple, and yellow birch in the subcanopy. Split out stand 60 from parent stand. Increased paper birch, aspen, and red maple in that region.																																																															
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<b>55</b>	6120 - Lowland Cedar	Poletimber Medium	74.0	114	51-80	N/A	This is an edge call. Stand was not adequately inventoried during 2024 inventory cycle. Significant blow down on some edges. Some cedar mortality. Variable densities; species diversity increases as does size classes as you progress west.																																																																						
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<b>56</b>	6112 - Lowland Aspen	Sawtimber Well	166.9	73	51-80	N/A	Highly variable stand and could easily be broken into three separate stands. Eastern 40 acres are much more upland: bigtooth, red maple, and paper birch dominated. Beaver activity and vernal pools around stand 57. Old charred stumps in east. Rest of the stand is swampy-ish, fairly moist hardwood/aspens/fir. Some areas are pole dominated. Scattered upland pockets of some fairly decent hardwood and aspen. A couple sapling mountain ash in the western half of the stand (heavily browsed). Significant amount of dead ash in lowland areas with a lot of sapling aspen responding to ash mortality and cedar windthrow. White pine on southeast transitional edge with X/L/P white cedar and hemlock. Trace basswood, hemlock, yellow birch, white pine in canopy. Rare hemlock, willow, mountain ash, michigan holly, white pine, black cherry, white ash, tag alder in subcanopy.																																																																						
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<b>57</b>	6233 - Wet Meadow	Nonstocked	2.7		Unspecified	No	Low stocking of iris across stand. Dead black ash. Seasonally wet stand, but currently a mostly dry, grassy field with scattered dead ash. Encroaching aspen, occasional shrub. Couple scattered white spruce saplings.																																																																						
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<b>58</b>	6111 - Lowland Balsam Poplar	Poletimber Poor	5.8	51	1-50	N/A	Rare elm in subcanopy. Dead black ash; few log-sized willow. Increase in willow and dead cedar in south; trace cedar seedlings here.																																																																						
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<b>59</b>	6112 - Lowland Aspen	Poletimber Medium	5.2	60	51-80	N/A	Trace white cedar in canopy. Rare elm and willow in subcanopy. Dead ash and elm scattered in the stand.																																																									
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<b>60</b>	4199 - Other Mixed Upland Deciduous	Sawtimber Well	94.8	102	81-110	N/A	Stand still needs full inventory. Split from parent stand 54 and adapted based on cursory field observations.																																																									
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<b>61</b>	330 - Low-Density Trees	Nonstocked	0.4	0	Unspecified	No	Fir and spruce present in Pole/Log/Sap size classes.																																																									
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<b>62</b>	4190 - Mixed Upland Deciduous with Cedar	Sawtimber Medium	3.2	114	81-110	N/A	Lack of elm seedlings/saplings. 4 to 5-foot water marks on silver maple. Three distinct areas to stand: Sapling balsam poplar (in Southwest), X/L white cedar (south-central), and log silver maple (north/east half). One 28.9" elm in west.																																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
<b>63</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	1.0	90	81-110	N/A	Visited by JS 4/14/14. Comments: Heavy beech scale with snap occurring. Very heavy beech understory. Some XL sugar maple and beech. Tall sugar maple. Some good quality trees but also some poor quality. Northern part of stand drops down into low ground. Birch falling out. Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Sugar Maple		50	Log	16	100	Beech		Full	5 - 10 feet	Sapling	
Basswood		4	Log	12							
White Ash		2	Log	16							
Red Oak		10	Log	16							
Bigtooth Aspen		2	Log	14							
Beech		30	Log	14							
Paper Birch		2	Log/Pole	10							
<b>64</b>	6112 - Lowland Aspen	Sawtimber Medium	14.4	84	51-80	N/A	LOT of coarse woody debris. High striped maple stocking in north, full balsam fir in west and southwest. Dead ash. Did not see south third of stand.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		3	Log/Pole	12		Striped Maple		Low	>20 feet	Pole	
Sugar Maple		2	Pole/Log	8		Striped Maple		Medium	Variable	Sapling	
Bigtooth Aspen		2	XLog/Log	18		Balsam Fir		High	Variable	Sapling	
Quaking Aspen		63	Log/Pole	14	84	Quaking Aspen		Trace	>20 feet	Sapling	
Paper Birch		30	Log/Pole	12							
<b>65</b>	4199 - Other Mixed Upland Deciduous	Sapling Medium	2.9	15	Immature	N/A	BAM/QA sort of took off after ash died. Trace paper birch and silver maple in canopy. Dead ash - formerly approximately 25% of the stand. Trace willow are kind of mixing with sapling canopy still.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Quaking Aspen		15	Pole/Log/Sap	6		Balsam Fir		Low	Variable	Sapling	
Balsam Poplar		80	Sapling/Pole	2	15	White Spruce		Trace	Variable	Sapling	
Balsam Fir		5	Sapling/Pole	5							
<b>66</b>	6118 - Lowland Deciduous with Cedar	Sawtimber Well	10.2	84	111-140	N/A	Trace balsam poplar in canopy. Stand is reasonably dry but contains a drainage in the north end, and the south half is likely seasonally flooded. North edge of stand, especially north center, has significant blowdown. White pine seeding in on north edge amongst dense balsam fir saplings with scattered white spruce saplings.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Spruce		5	Pole/Log	8		Beech		Trace	Variable	Sapling	
Quaking Aspen		40	Log	14	84	Striped Maple		Low	Variable	Sapling	
Northern White Cedar		30	Log/Pole	10		Balsam Fir		Medium	Variable	Sapling	
Paper Birch		3	Log/Pole	10		White Spruce		Trace	Variable	Sapling	
Balsam Fir		2	Pole	6							
Red Maple		20	Log	12							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**67** 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 24.8 84 111-140 N/A

Fairly remarkable canopy composition in the south half of the stand. Subcanopy is dominated by balsam fir and striped maple, but there's some impressive hemlock and white cedar regeneration in a portion of the south half - stand gets damper with a more open canopy and really decent cedar and hemlock regen, increase in canopy hemlock as well. North half is consistently quaking aspen and red maple canopy, except northeast has some blow down and opens up, becoming pole/sap dominated (trace silver maple here). Undefined transitional/variable boundaries along the north and east edges of this stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Log/Pole/XLog	12	84
Balsam Fir	1	Pole	7	
Northern White Cedar	10	Log/Pole	12	
White Spruce	2	Log/Pole	12	
Yellow Birch	10	Log/Pole	12	
Paper Birch	10	Log	12	
Quaking Aspen	22	Log/XLog	14	

Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	Trace	>20 feet	Sapling
Beech	Trace	5 - 10 feet	Sapling
Hemlock	Trace	< 5 feet	Seeding
Balsam Fir	High	Variable	Sapling
Paper Birch	Trace	>20 feet	Sapling
White Spruce	Trace	Variable	Sapling
Striped Maple	Medium	Variable	Sapling

**68** 4319 - Mixed Upland Forest Sawtimber Well 15.5 84 111-140 N/A

Significant stand with high volume of hemlock. Trace quaking aspen in canopy. Unique prominence of hemlock and cedar in the canopy.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	1	XLog/Log	20	
Northern White Cedar	17	Log/Pole	12	
Paper Birch	15	Log/Pole/XLog	12	
Balsam Fir	4	Pole	6	
Hemlock	21	Log/Pole/XLog	14	
Red Maple	37	Log/Pole/XLog	14	84
Yellow Birch	5	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Trace	5 - 10 feet	Sapling
White Pine	Trace	< 5 feet	Sapling
Hemlock	Low	>20 feet	Pole
Balsam Fir	Medium	Variable	Sapling
Striped Maple	Low	Variable	Sapling

**69** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 4.4 85 81-110 N/A

Remote call maintaining 2014 inventory. Stand was not visited during 2023/2024 inventory season.