



# Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54099

Entry Year 2024

Acreage: 1,254

County Alpena

Management Area: Alpena Lake Plain

**Stand Examiner:** Dale Parris

## Legal Description:

T31N R06E Sections 3, 10, 12, 13, and 23

## Identified Planning Goals:

All harvests have been prescribed following the direction indicated in the Alpena Lake Plains Management Area (ALPMA) Plan and Timber Analysis. In all cases the unique characteristics of the individual stand was taken into consideration when writing the prescription. The most prevalent covertypes in the ALPMA for the 2024 Year of Entry (YOE) are the lowland deciduous, lowland aspen, aspen, oak, mixed upland deciduous, and lowland conifer covertypes. As such, for the purpose of balancing the age class acre distributions of these covertypes across the Management Area (MA), forest management during the 2024 YOE in the ALPMA will focus on these covertypes. Wildlife, recreation, aesthetics, adjacent stands, and the larger landscape were considered in all management decisions.

## Soil and topography:

Compartment 99 is an estimated 20 percent upland (slightly rolling hills), 45 percent middle type ground (mostly flat), and 35 percent lowland (flat). The upland soils are mostly the moderately well-drained Morganlake loamy sand and Croswell Sand. The middle ground is dominated by the somewhat poorly drained to very poorly drained Tacoda-Wakeley complex. The lowland areas are mostly comprised of the very poorly drained Tawas and Lupton mucks.

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

In general, Compartment 99 is surrounded by large parcel recreation type properties. There are a few scattered year-round residences adjacent to the compartment. Commercial properties are adjacent to the southernmost portion of Compartment 99 just north of M-32. East of the main portion of Compartment 99 is a large body of state land extending towards Lake Winyah.

## Unique Natural Features:

Compartment 99 has vast areas of mature cedar forest and vast areas of upland and lowland aspen. Approximately 70 percent of the compartment is lowland cover types.

## Archeological, Historical, and Cultural Features:

The State Historic Preservation Office (SHPO) did not have any known areas of concern within Compartment 99.

## Special Management Designations or Considerations:

The Michigan Natural Features Inventory (MNFI) at the Michigan State University Extension website had record of 3 species historically being in and near Compartment 99 that require consideration when implementing forest management strategies. These species are the Migrant loggerhead shrike (*Lanius ludovicianus migrans*; state endangered species), Male fern (*Dryopteris filix-mas*; state special concern species), and River fingernail clam (*Sphaerium fabale*, state special concern species).

## Watershed and Fisheries Considerations:

The Thunder Bay River flows along the northern edge of the northwestern most parcel of this compartment. Bean Creek empties into the Thunder Bay River within this parcel.

## Wildlife Habitat Considerations:

Compartment 99 is dominated by balsam poplar, aspen, and cedar with the Thunder Bay River and Bean Creek associations. There are several vernal ponds in this compartment which should be buffered if treatments occur within those stands. Featured species found in the compartment include white-tailed deer, black bear, ruffed grouse, and American woodcock. Treatments in aspen will create early-successional habitats which will benefit grouse, woodcock and potentially golden-winged warbler. There is potential to burn or otherwise maintain some small openings within this compartment for the benefit of deer and songbirds.

## Mineral Resource and Development Concerns and/or Restrictions

Sections 3, 10, 12-13, & 23, T31N-R6E, Alpena County

A line of sand & gravel pits that follow an esker occur to the south. The glacial feature appears to continue north, but the

only portion that appears to extend into the compartment, in Sec 23, seems to have been mined in the past. A former bedrock quarry exists one mile to the southeast. Potential for any sand & gravel or bedrock non-metallic mineral development in the compartment would be inhibited by wetlands and a shallow water table. There is no known potential for hydrocarbon production from proven formations beneath the compartment. The Antrim Shale appears to be very thin or absent, and the compartment is well south of the Silurian reef trend. There is no known metallic mineral potential in this part of the state.

#### **Vehicle Access:**

On its east side, the main block Compartment 99 is accessible from Herron Road. The South 110 acre portion is accessible from M-32. The northwest 115 acres of Compartment 99 is only accessible through private land from Bean Creek and Standen Roads.

#### **Survey Needs:**

For the purpose of conducting timber sales and maintaining legal private/state land boundary posting locations, there may be a need for property line surveys within Compartment 99. Further investigation will be needed to determine the extent to which these surveys are required.

#### **Recreational Facilities and Opportunities:**

Rabbit/hare, grouse, whitetail deer, squirrel, turkey, and bear hunting opportunities are available within Compartment 99 in season with a valid license. Wildlife viewing opportunities are also present. All regulations set forth by the Michigan Department of Natural Resources are to be adhered to by hunters.

#### **Fire Protection:**

In the case of a wildland fire, response to Compartment 99 will be covered by the Alpena DNR office as well as the Long Rapids Township Fire Department.

#### **Additional Compartment Information:**

Cedar stands harvested within Compartment 99 have regenerated to aspen, fir, and spruce. In certain cases, the soil within these regenerated stands have overtime become saturated to the point of being too wet to harvest.

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

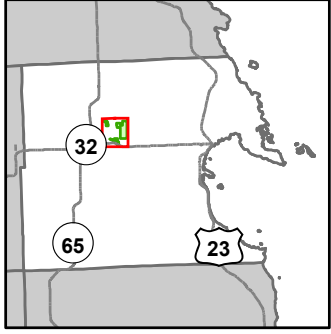
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

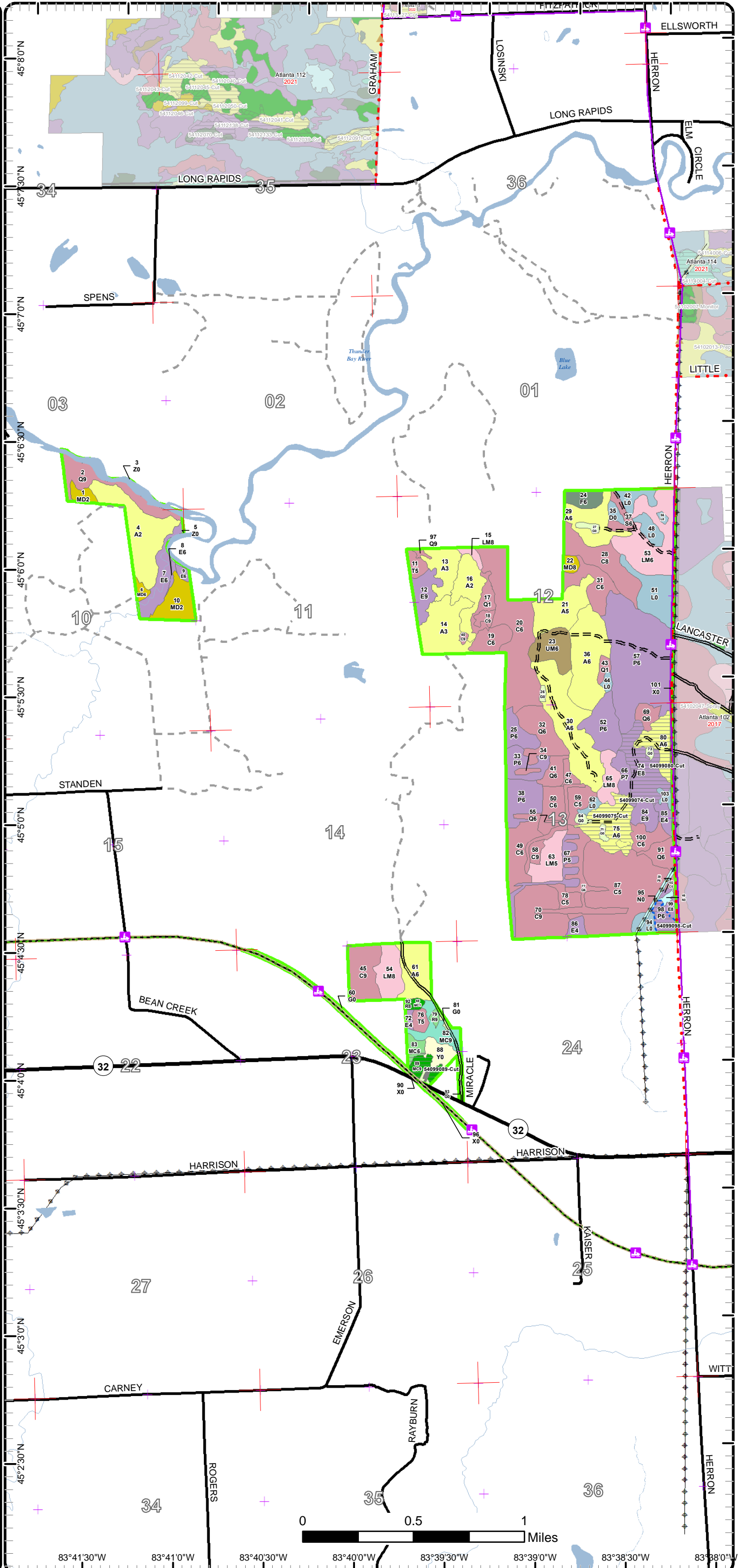
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 99  
 T31N, R06E, Sec. 3, 10, 12, 13, 23  
 County: Alpena  
 Unit: Atlanta  
 Mgmt Area: Alpena Lake Plain  
 YOE: 2024  
 Acres: 1253.6 GIS Calculated  
 Examiner: Dale Parris  
 Map Revised: 11/16/2022  
 Map Phase: Post-Review

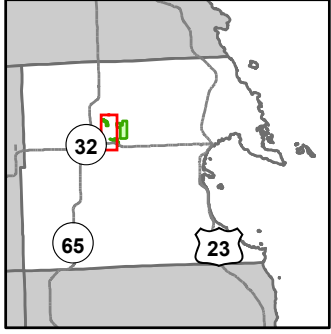


- Miris Corners
- + Remonumented Section Corners
- - - Counties
- - - DNR - Secondary Forest Road
- == DNR - Forest Access Route
- == Federal / State Highway
- == Federal / State / County - Paved Road
- - - County - Gravel Road
- - - Private - Dirt / Gravel Road
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- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Multi-Use Trails
- Designated Snowmobile Trails
- Designated RailTrail
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil

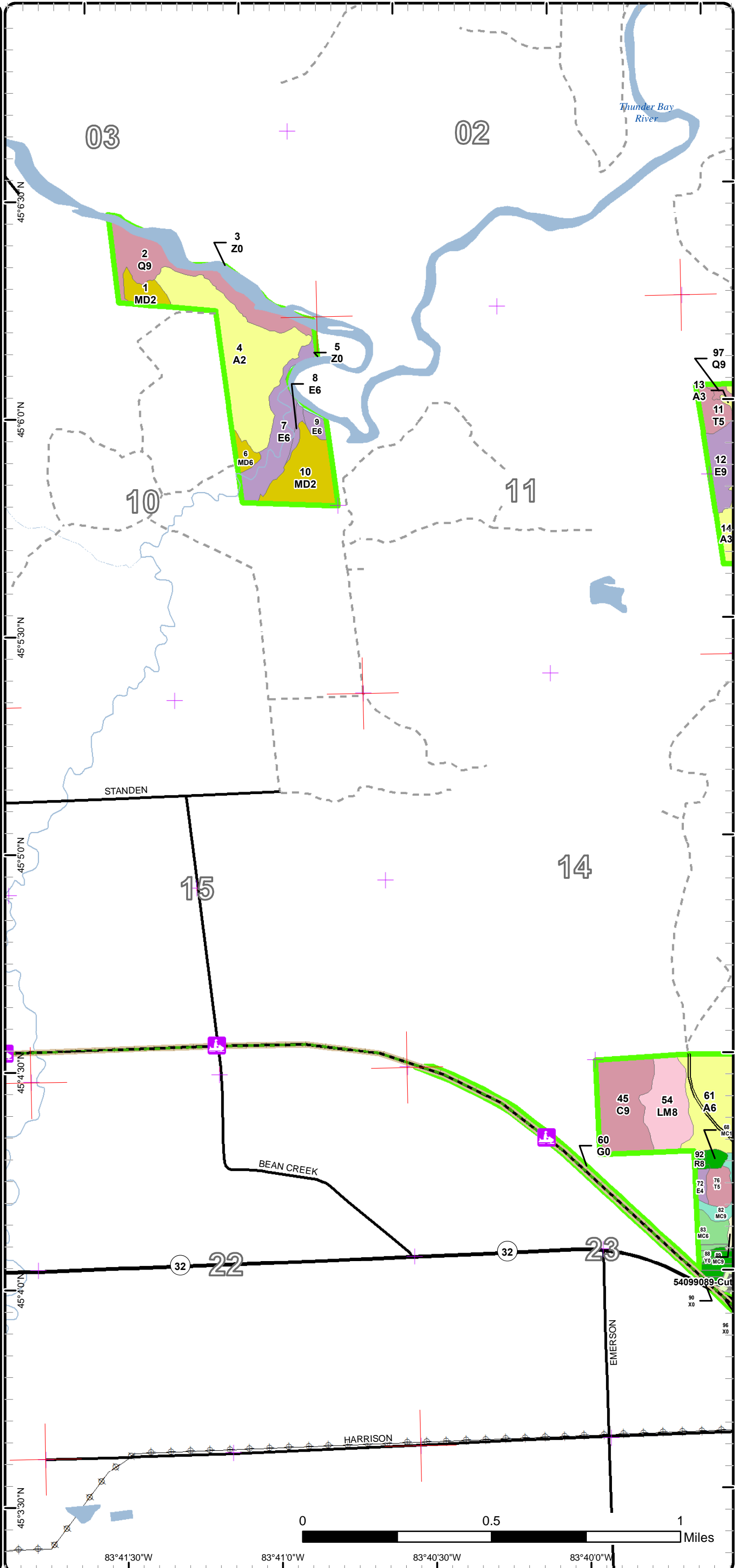


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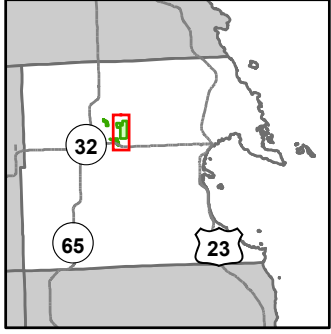


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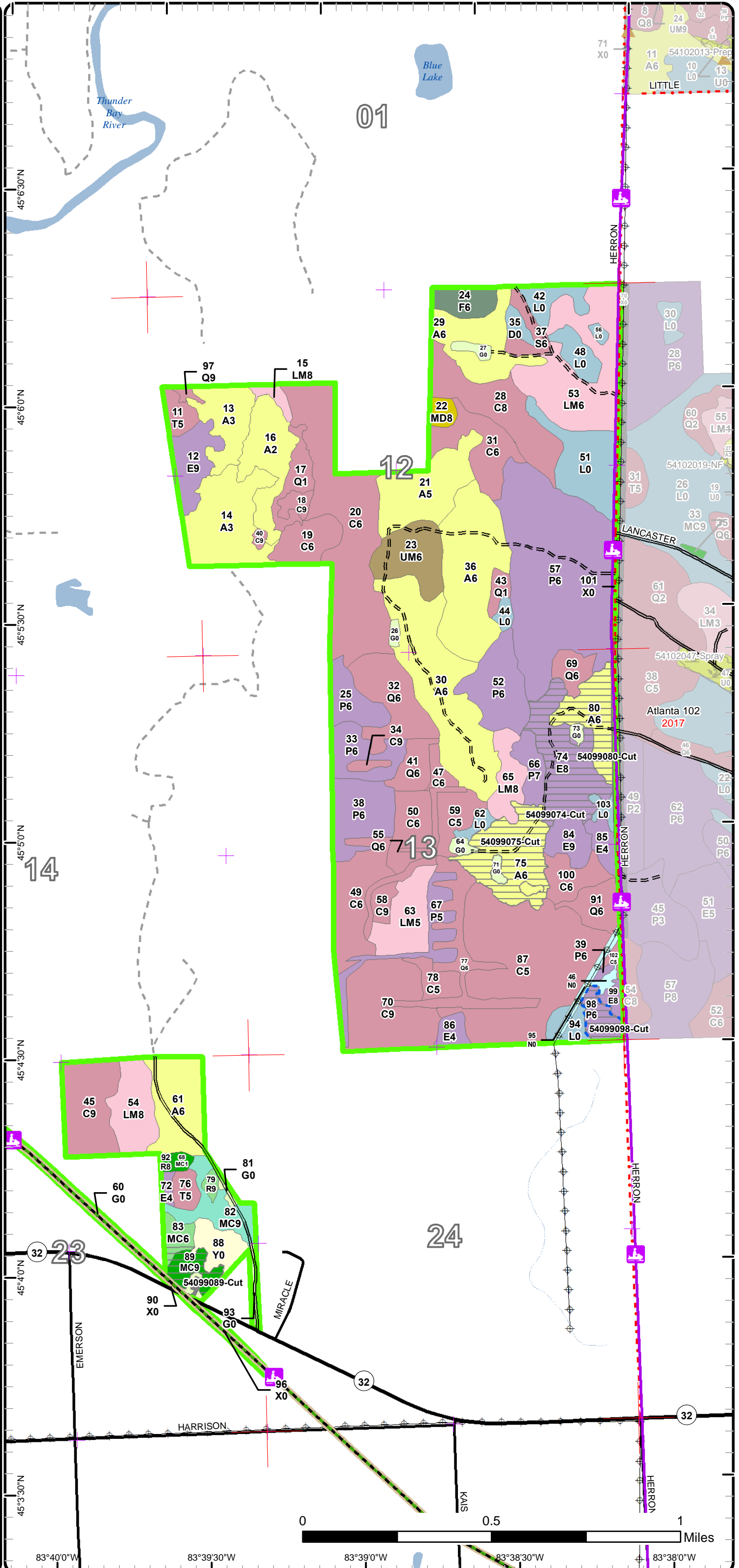


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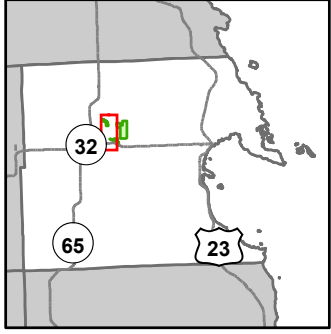


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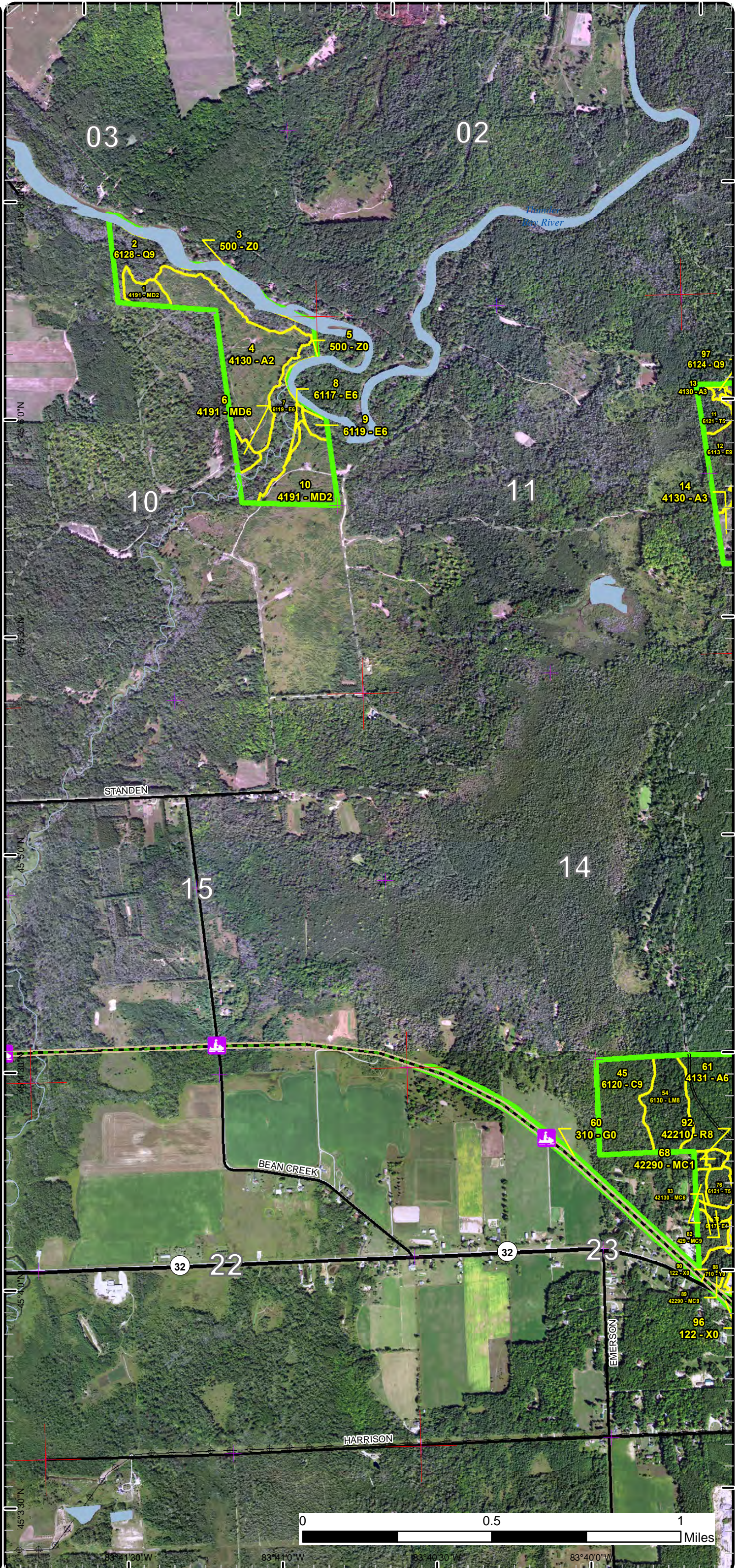


# Stand Boundary Map

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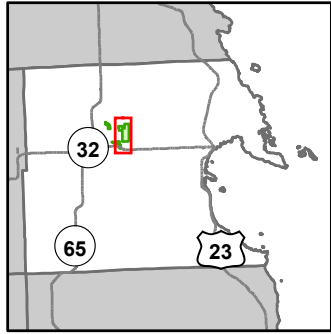


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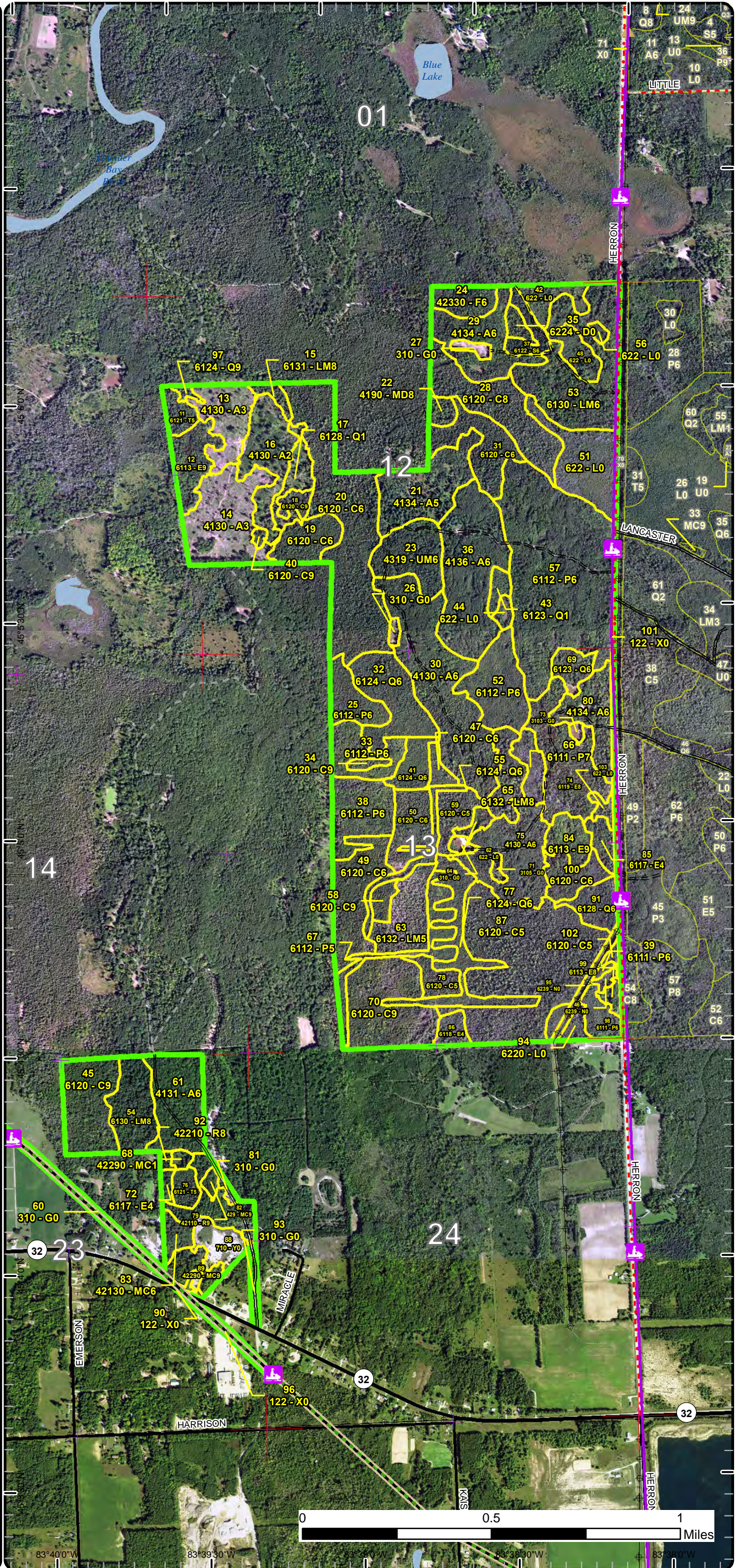


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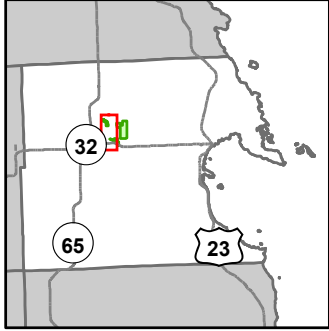


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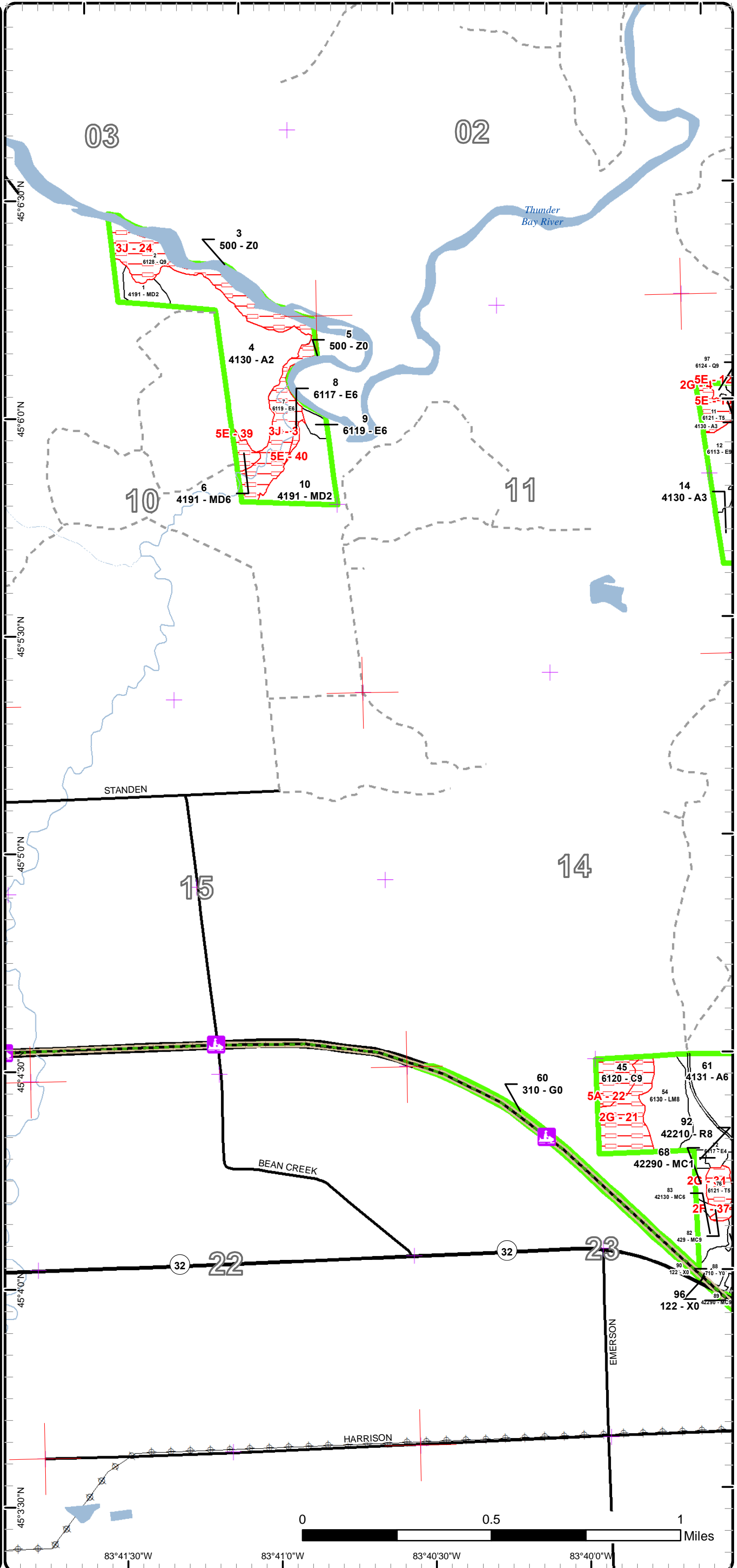


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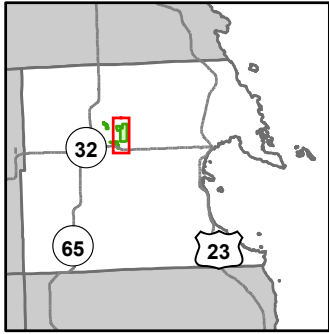
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- Compartment Boundary
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Trail - Trail Corridor



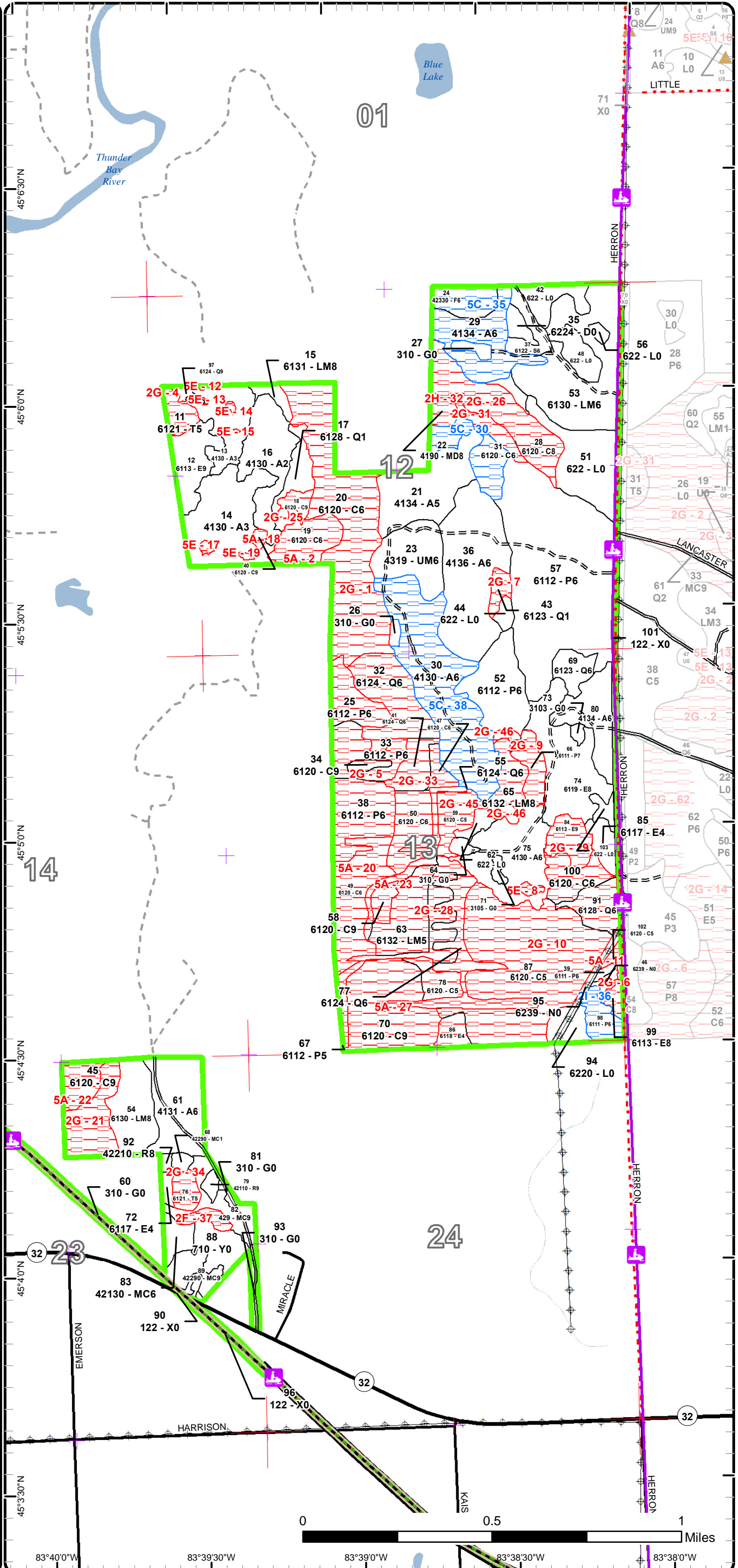


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- Perennial River
- Lakes and Rivers
- Berms
- ⊕ Powerline
- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Trail - Trail Corridor



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	45	61	65	22	49	20	42	0	0	0	0	0	0	0	0	0	0	304
Cedar	0	0	0	0	0	0	0	0	0	0	52	31	21	150	22	0	26	6	305
Herbaceous Openland	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Lowland Aspen/Balsam Poplar	0	0	0	0	33	86	17	37	0	0	0	0	0	0	0	0	0	0	172
Lowland Conifers	0	0	8	3	0	7	47	7	0	21	0	8	0	0	0	0	0	0	101
Lowland Deciduous	0	0	0	0	0	2	0	42	14	4	18	0	0	0	0	0	0	0	80
Lowland Mixed Forest	0	0	0	0	0	0	39	16	0	3	0	0	16	10	0	0	0	0	84
Lowland Shrub	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
Lowland Spruce/Fir	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	0	0	21	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	27
Natural Mixed Pines	0	0	2	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	9
Planted Mixed Pines	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
Red Pine	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	0	0	3
Sand, Soil	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Tamarack	0	0	0	0	0	0	4	0	0	0	5	0	0	0	0	0	0	0	9
Treed Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	0	12
Upland Mixed Forest	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	17
Upland Spruce/Fir	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	8
Urban	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Water	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
<b>Total</b>	<b>112</b>	<b>45</b>	<b>92</b>	<b>68</b>	<b>55</b>	<b>167</b>	<b>135</b>	<b>150</b>	<b>14</b>	<b>38</b>	<b>80</b>	<b>51</b>	<b>37</b>	<b>160</b>	<b>22</b>	<b>0</b>	<b>26</b>	<b>6</b>	<b>1254</b>



## Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 99

Year of Entry: 2024

Acres of Harvest

Total Compartment Acres: 1,254

Commercial Harvest - 75  
 Harvests with Site Condition - 6  
 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	41	0	0	0	0	0	0	0	0	41
Lowland Aspen/Balsam Poplar	6	0	0	0	0	0	0	0	0	6
Lowland Deciduous	27	0	0	0	0	0	0	0	0	27
Natural Mixed Pines	8	0	0	0	0	0	0	0	0	8
<b>Total</b>	<b>82</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>82</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	82	0	0	0	0	0	0	0	0	82
Next Step	0	16	8	0	8	16	90	16	0	152
<b>Total</b>	<b>82</b>	<b>16</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>16</b>	<b>90</b>	<b>16</b>	<b>0</b>	<b>234</b>



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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**Approved Treatments:**

74	54099074-Cut	26.9	6119 - Mixed Lowland Deciduous Forest	Sawtimber Medium	60	51-80	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
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Prescription Clear-cut with retention.

Specs:

Place retention around healthy oak and diversity while keeping the retention stand representative.

Mark areas that are undesirable for harvest out of the sale where the soil is too wet and/or the volume is undesirably low.

It is acceptable for acres to be substantially reduced due to wet areas and low volume areas being excluded from the sale area.

Include proper grouse spec.

Include sale specs to protect the snowmobile trail and its users.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of red maple, aspen, balsam fir, and/or paper birch.

Other Comment:

When placing retention consider breaking up the view from Herron Road.

Harvest into stand 84 where soils are dry enough; not to exceed 5 acres.

Site Condition

Proposed Start Date: 10/1 /2023

75	54099075-Cut	25.6	4130 - Aspen	Poletimber Well	61	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clear-cut with retention.

Specs:

Do not harvest any cedar.

Use vernal pool spec as necessary.

Protect culverts where they exist.

Harvest during dry summer or frozen winter.

Include proper grouse/hare spec.

Include sale specs to protect the snowmobile trail and its users.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, red maple, balsam fir, and/or paper birch.

Other Comment:

Road work will be needed through Stands 74/75 into Stand 64 in addition to what has been completed in the past.

Suggested landings in Stand 73 and Stand 64. Stand 64 may not be adequate for a turn around.

Refresh the past treatment boundary to mark the sale boundaries.

Refresh the past retention boundary to mark out the stand retention.

Site Condition

Proposed Start Date: 10/1 /2023



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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80	54099080-Cut	15.0	4134 - Aspen, Spruce/Fir	Poletimber Well	60	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clear-cut with retention.

Specs:

Retain legacy pine.

Place retention around oak and white pine while keeping the retention stand representative.

Include proper grouse spec.

Include sale specs to protect the snowmobile trail and its users.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, red maple, balsam fir, paper birch and/or white pine.

Other Comment: When placing retention consider breaking up the view from Herron Road.

Site Condition

Proposed Start Date: 10/1 /2023

89	54099089-Cut	7.8	42290 - Natural Mixed Pine	Sawtimber Well	87	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Clear-cut.

Specs:

Retain white pine seed trees not to exceed 10 BA.

Include sale specs to protect the snowmobile trail and its users.

Next Step SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Other, Pre-Commercial Thinning - Hand; Other, Pre-Commercial Thinning - Mechanical; SitePrep, Roller Chopping; Burn, Slash; Pesticide, Skidder - Release; Monitor

Acceptable Regen: Acceptable regeneration is a low stocking (or better) of any mix of deciduous and/or coniferous trees.

Other Comment: Retention is not necessary due to the small size of the stand.

The understory of this stand is fully covered with autumn olive.

Follow up the harvest with a herbicide treatment if determined necessary for controlling the autumn olive and facilitating for the natural regeneration of the stand.

The treatment covers 1 acre of the stand to the north. All land north of this quarter-quarter is being disposed of. Make sure the north boundary of this stand/quarter-quarter is treated like a private line.

Site Condition

Proposed Start Date: 10/1 /2023



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
98 54099098-Cut	6.4	6111 - Lowland Balsam Poplar	Poletimber Well	61	81-110	Harvest	Clearcut	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut.</p> <p><u>Specs:</u></p> <ul style="list-style-type: none"> <li>Mark the cedar along the edge of the stand out of the harvest for diversity and as a travel corridor.</li> <li>Do not retain any trees, including cedar adjacent to the power line to avoid blow down issues.</li> <li>Include proper grouse/hare spec.</li> <li>Include sale specs to protect the snowmobile trail and its users.</li> </ul> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration is a medium to well stocked mix of aspen, red maple, balsam fir, and spruce.</p> <p><u>Other Comment:</u> Retention is not necessary due to the small size of the stand.</p> <p><u>Comment:</u> Pull stand 39 into the treatment if determined to be accessible.</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

**Total Treatment Acreage Proposed: 81.7**

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 99  
Year of Entry: 2024

### Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
303	231	69	3

### Dominant Site Conditions

	Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Condition	Dominant Site Conditions								
						2I	5C	2F	2G	2H	3J	5A	5E	
303	231	69	3		Aspen		69				0			3
307	2	12	293		Cedar		12		211			82		
23	23	0	0		Herbaceous Openland									
172	106	6	60		Lowland Aspen/Balsam Poplar	6			60					
101	17	0	84		Lowland Conifers				65		19			0
75	48	0	27		Lowland Deciduous				10		16			1
84	58	0	26		Lowland Mixed Forest				26					
48	48	0	0		Lowland Shrub									
6	6	0	0		Lowland Spruce/Fir									
5	5	0	0		Marsh									
27	21	0	6		Mixed Upland Deciduous					3				3
8	8	0	0		Natural Mixed Pines									
5	5	0	0		Planted Mixed Pines									
3	3	0	0		Red Pine									
9	9	0	0		Sand, Soil									
9	0	0	9		Tamarack				9					
3	3	0	0		Treed Bog									
12	9	0	3		Upland Conifers			3						
17	17	0	0		Upland Mixed Forest									
8	0	8	0		Upland Spruce/Fir		8							
14	14	0	0		Urban									
10	10	0	0		Water						0			
1,249	642	96	511		Total Forested Acres	6	89	3	381	3	35	82		7
	51%	8%	41%		Relative Percent									

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	59	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	3B: Threatened, endangered, and special concern species	5F: Evaluated for Forest Health Considerations	5A: Not able to obtain desirable regeneration
<b>Comments:</b>							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

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Year of Entry: 2024

2	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	16	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> -riparian area, leave untreated							
4	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Leave untreated indefinitely due to extreme wetness, small size, and high covertime variability.							
5	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	42	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> During the 2024 YOE in January of 2022 after a prolonged cold spell, these stands had forest floors that were muddy and unstable.							
6	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

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Year of Entry: 2024

7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	5A: Not able to obtain desirable regeneration	4A: No Markets Available for these Forest Products	Unspecified	Unspecified
<b>Comments:</b> -leave untreated indefinitely							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	91	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	Unavailable	5A: Not able to obtain desirable regeneration	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This retention is from Sale No. 54-015-14-02, Stand 13, and Compartment 99.							

### Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 99  
Year of Entry: 2024

13	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This retention is from Sale No. 54-015-14-02, Stand 13, and Compartment 99.							
14	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This retention is from Sale No. 54-015-14-02, Stand 13, and Compartment 99.							
15	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This retention is from Sale No. 54-015-14-02, Stand 13, and Compartment 99.							
16	Unspecified	Unspecified	0				
<b>Comments:</b>							
17	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	Unavailable	5A: Not able to obtain desirable regeneration	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 99  
Year of Entry: 2024

20	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Cedar stands in this area, to the north and east, when harvested have come back dominated by aspen when cut in large chunks, and have come back to a mixture of aspen, spruce, fir, red maple, and paper birch when cut in narrow strips. In addition, much of this new regeneration from cedar has been on what turned into unstable soil conditions that are now unharvestable.							
21	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This area is too wet to harvest. Timber densities are inconsistent. Pockets and veins of tag alder exist.							
22	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	7	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This area is used by deer in the winter and is part of a larger cedar complex that extends onto private land.							
23	<b>Unavailable</b>	<b>5A: Not able to obtain desirable regeneration</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Cedar stands in this area, to the north and east, when harvested have come back dominated by aspen when cut in large chunks, and have come back to a mixture of aspen, spruce, fir, red maple, and paper birch when cut in narrow strips. In addition, much of this new regeneration from cedar has been on what turned into unstable soil conditions that are now unharvestable.							
24	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	19	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 99  
Year of Entry: 2024

25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
26	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
27	Unavailable	5A: Not able to obtain desirable regeneration	37	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Cedar stands in this area, to the north and east, when harvested have come back dominated by aspen when cut in large chunks, and have come back to a mixture of aspen, spruce, fir, red maple, and paper birch when cut in narrow strips. In addition, much of this new regeneration from cedar has been on what turned into unstable soil conditions that are now unharvestable.							
28	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	54	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
29	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 99  
Year of Entry: 2024

30	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
32	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
33	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	44	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
34	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Atlanta Mgt. Unit  
Dale Parris : Examiner

Compartment: 99  
Year of Entry: 2024

35	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	28	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
36	Available	2I: Survey needed	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Further investigation of records/on the ground is needed to determine whether a survey is necessary.							
37	Unavailable	2F: Too steep	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
38	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	49	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
39	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This stand was likely long term retention for the harvest to the north.							
40	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This stand is long term retention for the harvest to the SE.							
45	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

**Atlanta Mgt. Unit**  
**Dale Parris : Examiner**

**Compartment: 99**  
**Year of Entry: 2024**

46	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

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



Mgt. Unit

Compartment:

Year of Entry



### 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

<b>Conservation Area</b>	<b>Type</b>	<b>Description</b>
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	4.6	11	Immature	N/A	<p>This stand was not revisited during the 2024 YOE Inventory. Plans to visit this stand and update the data are in place for when time permits.</p> <p>-could not obtain access through private for regeneration survey -conducted a remote survey call using cut volume record and 2020 imagery to update cover type percentages so inventory acreages are accurate</p> <p>-past treatment- clearcut -sale number- 54-022-10-02 -acres- 43 (stands 4 and 1) -leave trees- oak or green painted trees -volume cds- 507 bta, 97 rp, 65 mswd, 74 mhwd (stands 4 and 1) -completion- 9/14/10</p>
2	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	20.7	87	Unspecified	N/A	<p>-FLOODPLAIN, CABINS ON N SIDE OF RIVER, DEAD ELM This stand was not revisited during the 2024 YOE Inventory. Plans to visit this stand and update the data are in place for when time permits.</p>
3	500 - Water	Nonstocked	8.2		Unspecified	No	
4	4130 - Aspen	Sapling Medium	40.9	11	Immature	N/A	<p>This stand was not revisited during the 2024 YOE Inventory. Plans to visit this stand and update the data are in place for when time permits.</p> <p>Per 8/11/10 variance prescription oak and scattered pine were retained.</p> <p>-update cover type percentages using field survey when access is obtained -past treatment- clearcut -sale number- 54-022-10-02 -acres- 43 (stands 4 and 1) -leave trees- oak or green painted trees -volume cds- 507 bta, 97 rp, 65 mswd, 74 mhwd (stands 4 and 1) -completion- 9/14/10</p>
5	500 - Water	Nonstocked	1.5		Unspecified	No	
6	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	2.7	98	51-80	N/A	<p>This stand was not revisited during the 2024 YOE Inventory. Plans to visit this stand and update the data are in place for when time permits.</p> <p>-possibly left as retention for north aspen treatment, however, it is not shown as retention on sale map</p>
7	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	15.7	92	Unspecified	N/A	<p>This stand was not revisited during the 2024 YOE Inventory. Plans to visit this stand and update the data are in place for when time permits.</p> <p>-CREEK BOTTOM</p>
8	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	1.3	74	Unspecified	N/A	<p>This stand was not revisited during the 2024 YOE Inventory. Plans to visit this stand and update the data are in place for when time permits.</p> <p>-stand was left as retention for E5 stand to the south that was clearcut</p>
9	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	2.1	92	Unspecified	N/A	<p>This stand was not revisited during the 2024 YOE Inventory. Plans to visit this stand and update the data are in place for when time permits.</p>



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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10	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium	16.5	11	Immature	N/A	This stand was not revisited during the 2024 YOE Inventory. Plans to visit this stand and update the data are in place for when time permits. -update cover type percentages using field survey when access is obtained -past treatment- clearcut -sale number- 54-025-11-01 -acres- 17 -leave trees- green painted trees -volume cds- 6 wp, 47 rp, 61 qa, 27 bf, 5 ws, 79 mhwd -completion- 7/22/11
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11	6121 - Tamarack	Poletimber Medium	5.1	97	1-50	N/A	This stand is too wet to harvest.-wp have fire scars-south half is mostly tag alder and tamarack, lumped stand into one type as mixed conifer
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	10	Pole	6		Tag Alder	High	Variable	Tall Shrub
Paper Birch	3	Pole	7		Michigan Holly	Low	5 - 10 feet	Tall Shrub
Tamarack	64	Pole	7	97	Willow spp.	Low	10 - 20 feet	Sapling
White Pine	8	XLog/Log	20		White Pine	Low	Variable	Sapling
Red Pine	5	Log	15		Balsam Fir	Low	Variable	Sapling
Red Maple	10	Log/Pole	12					

12	6113 - Lowland Maple	Sawtimber Well	12.4	70	51-80	N/A	The red maple age was counted but estimated due to a rotten center likely common in most of the red maple. Pockets and veins of lowland shrub are present.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	10	Pole	7		Tag Alder	Medium	Variable	Tall Shrub
Black Spruce	5	Pole	6		Red Maple	Low	Variable	Sapling
Red Oak	3	Log	15		Michigan Holly	Low	5 - 10 feet	Tall Shrub
White Pine	10	Log	14		Balsam Fir	High	Variable	Sapling
Red Maple	72	Log	12	70	Black Spruce	Low	Variable	Sapling

13	4130 - Aspen	Sapling Well	15.6	6	Immature	N/A	This stand was harvested in May of 2016 as part of Sale Name: Isolated Aspen; Sale Number: 54-015-14-01. Red Pine and 1-3 oak per acre were retained. The regeneration of this stand was determined to be successful during a walk through natural regeneration check during the 2024 YOE Inventory.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Sapling	1	6
Balsam Fir	3	Sapling	1	
Red Oak	2	Log/XLog	16	
Bigtooth Aspen	88	Sapling	1	6
White Pine	5	Sapling	3	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>14</b>	4130 - Aspen	Sapling Well	29.2	6	Immature	N/A	This stand was harvested in February of 2016 as part of Sale Name: Isolated Aspen; Sale Number: 54-015-14-01. Red Pine and 1-3 oak per acre were retained. The regeneration of this stand was determined to be successful during a walk through natural regeneration check during the 2024 YOE Inventory.	
Canopy Species		% Cover	Size Class	DBH	Age			
Red Oak		2	Sapling	1	6			
Red Oak		5	Log/XLog	16				
Red Pine		1	Log/XLog	16				
Red Maple		1	Sapling	1				
Bigtooth Aspen		85	Sapling	1	6			
Balsam Fir		3	Sapling	1				
White Pine		3	Sapling/Pole	3				

<b>15</b>	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Medium	2.8	80	51-80	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		10	Pole	6		Black Ash		Low	Variable	Sapling
White Pine		20	Log/XLog	15	107	Tag Alder		Medium	Variable	Tall Shrub
Red Pine		10	Log	14		Balsam Fir		Medium	Variable	Sapling
Red Maple		40	Log	13	80					
Red Oak		10	Log	14						
Quaking Aspen		5	Log	12						
Northern White Cedar		5	Pole/Log	8						

<b>16</b>	4130 - Aspen	Sapling Medium	19.8	11	Immature	N/A	This stand consists mainly of dense bigtooth aspen regeneration. The northeast edge of the stand is lowland with quaking aspen.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Balsam Fir		5	Sapling/Pole	3		Tag Alder		Low	5 - 10 feet	Tall Shrub	
White Pine		2	Sapling	1							
Red Maple		10	Sapling	1	11						
Quaking Aspen		15	Sapling	1	1						
Bigtooth Aspen		63	Sapling	1	11						
Red Oak		5	XLog/Log	20							

<b>17</b>	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Poor	7.8	11	1-50	N/A	This stand was harvested with the stand to the west. The preharvest stand for this area was not conducive for dense natural regeneration postharvest. Therefore this portion of the stand did not come back as well as the portion to the west. What did come back was a quality wildlife cover break with higher conifer density and patchy aspen regeneration. Retained scattered oak are present on the west side of this stand and retained scattered cedar are present on the eastern lowland edge. Some windthrow of retained cedar is present.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Quaking Aspen		25	Sapling	1	11	Tag Alder		Low	5 - 10 feet	Tall Shrub	
Northern White Cedar		15	Pole/Log	9							
Red Oak		10	Log	16							
White Pine		20	Sapling/Pole	3							
Balsam Fir		25	Sapling	3							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>18</b>	6120 - Lowland Cedar	Sawtimber Well	3.1	123	81-110	N/A	This stand is different enough in canopy species composition to justify separating it from the cedar stand to the east. This stand is too wet to harvest.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Red Maple		25	Log	14		Balsam Fir	
Paper Birch		15	Log/Pole	10		Tag Alder	
Northern White Cedar		60	Pole/Log	8	123	Medium	
						Variable	
						Tall Shrub	
<b>19</b>	6120 - Lowland Cedar	Poletimber Well	11.3	127	171-200	N/A	These are tall healthy cedar. Quality log sized black spruce are mixed in. These are high density good quality pole/log size cedar with only 1/6-1/7 live crown. This stand has no subcanopy and feather moss covers 15% of the forest floor.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Quaking Aspen		2	Log	12			
Black Spruce		7	Log/Pole	11			
White Pine		2	XLog/Log	20			
Northern White Cedar		84	Pole/Log	8	127		
Paper Birch		5	Pole/Log	8			
<b>20</b>	6120 - Lowland Cedar	Poletimber Well	59.1	123	81-110	N/A	This stand can see heavy deer use in the winter. The canopy in this stand is less consistent and sometimes more open than the purer cedar stand to the west. There is 40-50% feather moss coverage. This stand is too wet to harvest.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Spruce		1	Log	13		Balsam Fir	
Black Spruce		15	Pole	7		Black Spruce	
Northern White Cedar		65	Pole/Log	8	123	Medium	
White Pine		1	XLog	20		Variable	
Balsam Fir		15	Sapling/Pole	4		Sapling	
Paper Birch		3	Pole	7		Sapling	
<b>21</b>	4134 - Aspen, Spruce/Fir	Poletimber Medium	24.6	27	Immature	N/A	The patchy regeneration in this stand adds some diversity to the area. Open pockets are beneficial to wildlife in various ways. The northeast edge of the stand is lowland but not too wet to harvest. An area cut into the cedar stand to the north was added to this stand due to age and tree species being a closer match. This stand was harvested with Stand 36 to the southeast but was divided out due to lower tree density and it's different overstory composition.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Quaking Aspen		65	Pole/Sapling	5	27	Balsam Fir	
Balsam Fir		20	Pole/Sapling	5		White Pine	
Black Spruce		5	Sapling/Pole	4		Low	
White Pine		5	Pole/Sapling	5		Variable	
Paper Birch		5	Sapling	4		Sapling	
<b>22</b>	4190 - Mixed Upland Deciduous with Cedar	Sawtimber Medium	3.3	86	51-80	N/A	This is a small up land diversity pocket surrounded by cedar. The aspen are over-mature and are falling out of the stand.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
White Spruce		2	Log	12		Balsam Fir	
Balsam Fir		5	Pole	6		High	
Red Maple		31	Log/Pole	13	86	Variable	
Quaking Aspen		30	Log	12		Sapling	
Northern White Cedar		30	Pole/Log	8			
Paper Birch		2	Log	11			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
23	4319 - Mixed Upland Forest	Poletimber Well	17.3	49	81-110	N/A	This stand was harvested at the same time as Stand 30 directly to the south. The stands have been split due to this stand having significantly more conifer in the overstory. A significant amount of the balsam fir is falling out of the canopy. Harvest with stands 30 to the south and stand 57 to the east during the 2034 or 2044 YOE.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		5	Pole	7		Balsam Fir		
Bigtooth Aspen		45	Pole	8	49	Medium		
Balsam Fir		35	Pole	7	49	Variable		
White Pine		5	Log/Pole	13		Sapling		
Black Spruce		5	Pole	6				
White Spruce		5	Pole	8				
24	42330 - Upland Fir	Poletimber Well	8.0	56	51-80	N/A	This stand separates itself from the same age stand to the south by its high density of balsam fir in the canopy.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Balsam Fir		60	Pole/Sapling	6	56	Balsam Fir		
Red Maple		6	Pole/Log	8		High		
White Spruce		1	Log/Pole	11		Variable		
Black Spruce		1	Log/Pole	10		Sapling		
Paper Birch		2	Pole	6				
Quaking Aspen		30	Pole/Log/Sap	7	56			
25	6112 - Lowland Aspen	Poletimber Well	10.4	50	51-80	N/A	This stand is too wet to harvest. A small pocket in the southwest corner of the stand has stable soil. The forest floor of this stand was unstable with many mud pockets during a very cold period in January 2022. Based on the cut cedar stumps within the stand that are still present, it can be concluded that this is a cut over cedar stand that did not regenerate to cedar. It is suspected that changes in hydrology since last harvested have made the forest floor of this stand saturated and uncondusive for harvesting.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		15	Pole	8		Red Maple		
Paper Birch		5	Pole	7		Low		
Balsam Poplar		10	Pole/Sapling	6		Medium		
Balsam Fir		5	Pole	6		Variable		
Quaking Aspen		65	Pole	7	50	Sapling		
26	310 - Herbaceous Openland	Nonstocked	1.2			No		
27	310 - Herbaceous Openland	Nonstocked	2.0			No		
28	6120 - Lowland Cedar	Sawtimber Medium	26.2	154	51-80	N/A	Basal area is highly variable. This stand is too wet to harvest. The growth of the trees is fairly stagnant. The trees are growing on hummocks.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
White Pine		5	XLog	20		Black Ash		
Tamarack		5	Log	11		Low		
Black Spruce		5	Pole	6		Full		
Northern White Cedar		80	Log/Pole	10	154	Variable		
Paper Birch		5	Pole	7		Sapling		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																															
29	4134 - Aspen, Spruce/Fir	Poletimber Well	19.8	56	81-110	N/A	This is an aspen stand of higher quality.																																															
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30	4130 - Aspen	Poletimber Well	49.3	49	81-110	N/A	The aspen are healthy and the little oak present is of high quality. This stand has much better growth than other stands in the area.																																															
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31	6120 - Lowland Cedar	Poletimber Well	17.0	114	111-140	N/A	The northeast edge of the stand is extremely wet. The cedar in the southern to southwestern portions of the stand are tall and look to be of good quality.																																															
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32	6124 - Lowland Spruce-Fir	Poletimber Well	20.8	50		N/A	Stick to the pathways to get through this stand. This is another clear-cut cedar stand where the ground is unstable and cedar stumps still remain. Trace cedar and large white pine are present. An upland ridge pocket is present in the north end of the stand. This stand is too wet to harvest. The forest floor of this stand was unstable mud during a very cold period in January 2022. Based on the cut cedar stumps within the stand that are still present, it can be concluded that this is a cut over cedar stand that did not regenerate to cedar. It is suspected that changes in hydrology since last harvested have made the forest floor of this stand saturated and uncondusive for harvesting.																																															
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33	6112 - Lowland Aspen	Poletimber Well	12.2	61	51-80	N/A	This stand is too wet to harvest. The forest floor of this stand was unstable with many mud pockets during a very cold period in January 2022. Based on the cut cedar stumps within the stand that are still present, it can be concluded that this is a cut over cedar stand that did not regenerate to cedar. It is suspected that changes in hydrology since last harvested have made the forest floor of this stand saturated and uncondusive for harvesting.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>34</b>	6120 - Lowland Cedar	Sawtimber Well	1.7	125	111-140	N/A	The cedar is most dominate to the west. To the east the cedar becomes more sparse and small pole sized balsam fir becomes dominate. Some large diameter aspen and red maple are present at the west end of the stand. This stand is too wet to harvest, but somewhat dryer than the surrounding soils that have seen past harvest.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Paper Birch		5	Pole	7		Balsam Fir		
Balsam Fir		10	Pole	6		Low		
Northern White Cedar		75	Log	14	125	Variable		
Red Maple		10	Pole/Sapling	6		Sapling		
<b>35</b>	6224 - Treed Bog	Nonstocked	3.0			No	Log size white pine and pole size black spruce with black spruce and tamarack saplings are present. Porcupine are eating the tamarack.	
<b>36</b>	4136 - Aspen, Mixed Conifer	Poletimber Well	40.4	27	1-50	N/A	Lowland shrub veins and wet pockets are present throughout. This aspen stand has a nice mix of conifer cover throughout. This stand was treated the same year as the adjacent stand to the north. The stands were broken up due to differences in tree density.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Black Spruce		5	Sapling	3		White Pine		
Balsam Fir		10	Sapling	4		Low		
White Pine		5	Log	13		5 - 10 feet		
White Pine		5	Sapling	4		Tall Shrub		
Quaking Aspen		75	Pole/Sapling	5	27	Michigan Holly		
						Low		
						5 - 10 feet		
						Tall Shrub		
						Balsam Fir		
						Medium		
						Variable		
						Sapling		
<b>37</b>	6122 - Black Spruce	Poletimber Well	5.8	63	1-50	N/A	There is mostly black spruce in the southwest leg and on the west side of the north leg. There is mostly jack pine on the ridge top on the east side of the north leg.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Quaking Aspen		2	Pole	7		White Pine		
Red Maple		2	Pole/Log	8		Low		
White Pine		5	XLog/Log	20		Variable		
Jack Pine		30	Pole/Log	8		Sapling		
Tamarack		10	Pole/Sapling	7		Black Spruce		
Black Spruce		51	Pole/Sapling	7	63	Low		
<b>38</b>	6112 - Lowland Aspen	Poletimber Well	18.1	68	51-80	N/A	Despite the rows present in the 1998 DOQ imagery this stand should be treated and managed as one stand. This stand is too wet to harvest. The aspen along the northern edge are 10 to 15 inches in diameter, much of which is windthrown. The forest floor of this stand was unstable with many mud pockets during a very cold period in January 2022. Based on the cut cedar stumps within the stand that are still present, it can be concluded that this is a cut over cedar stand that did not regenerate to cedar. It is suspected that changes in hydrology since last harvested have made the forest floor of this stand saturated and uncondusive for harvesting.  -it appears this stand is 10 years older than adjacent aspen stand to the north- imagery & average bole size looks different as well	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Black Spruce		10	Pole	7		Red Maple		
Quaking Aspen		50	Pole/Log	8	68	Low		
Paper Birch		10	Pole	7		Variable		
Red Maple		10	Pole/Log	8		Sapling		
Balsam Fir		20	Pole	7		Medium		
						Variable		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
39	6111 - Lowland Balsam Poplar	Poletimber Well	0.8	45	51-80	N/A																																																				
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40	6120 - Lowland Cedar	Sawtimber Well	1.0	123	171-200	N/A																																																				
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41	6124 - Lowland Spruce-Fir	Poletimber Well	7.4	61		N/A	This stand could be merged to the stand to the north but is divided out due to differences in the 1998 DOQ imagery. -stick to pathways to get through stand -stand is wet with fairly stagnant growth due to higher water table																																																			
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42	622 - Lowland Shrub	Nonstocked	7.2			No																																																				
43	6123 - Lowland Fir	Sapling Poor	3.1	26	Immature	N/A	This is a unique pocket of diverse forest.																																																			
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44	622 - Lowland Shrub	Nonstocked	2.1			No	-wetland -mostly cattail																																																			



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<b>45</b>	6120 - Lowland Cedar	Sawtimber Well	21.9	107	111-140	N/A	In January of 2022 the cedar were more dense in the northern 1/3 of the stand where they averaged 8 inches DBH. This northern area is used by deer in the winter and is part of a larger cedar complex that extends onto private land. The cedar are more patchy in southern 2/3 of the stand and were small log size on average. With exception of maybe the NW corner, this stand is too wet to harvest. Timber densities outside of the NW corner are inconsistent. Pockets and veins of tag alder exist. -progressively higher density from se to nw -most cedar within NW corner of stand																																																				
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<b>46</b>	6239 - Mixed Emergent Wetland	Nonstocked	1.4		Immature	No																																																					
<b>47</b>	6120 - Lowland Cedar	Poletimber Well	3.2	122		N/A	-LOTS OF DOWN CEDAR, HARD TO WALK THROUGH -WET -stand was left behind/not treated from previous cutting																																																				
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<b>48</b>	622 - Lowland Shrub	Nonstocked	6.7			No																																																					
<b>49</b>	6120 - Lowland Cedar	Poletimber Well	21.4	95	141-170	N/A	This stand is somewhat of a continuation of Stand 70 to the south but has a smaller cedar diameter on average. If this stand was harvested it would most likely come back to aspen, fir, and spruce as was the case with all other cedar harvested in the area.  -heavy deer use -open subcaopy																																																				
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<b>50</b>	6120 - Lowland Cedar	Poletimber Well	12.6	135	81-110	N/A	This is an old cedar stand that is too wet to harvest.																																																				
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<b>51</b>	622 - Lowland Shrub	Nonstocked	21.1		Immature	No	This is lowland shrub with scattered water saturated stunted sapling/pole sized cedar along edges.																																																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																										
<b>52</b>	6112 - Lowland Aspen	Poletimber Well	19.6	34	1-50	N/A	This stand is dense but is seeing relatively slow growth due to the wet soil conditions.																																																																										
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<b>53</b>	6130 - Fir, Aspen, Maple	Poletimber Well	39.1	52	51-80	N/A	This stand has scattered pockets of mature aspen, red maple, and white spruce that were retained during the last harvest. There are also scattered mature aspen, red maple, and white spruce throughout the stand. The age of the stand was taken off an aspen/red maple trees determined to be most representative of the overall stand. These trees are small in diameter for their age. Manage this stand based on the more highly represented smaller diameter trees rather than by age. some aspen has conks while others are healthy. Currently the small diameter of trees makes the stand undesirable for harvest. Pockets and veins of lowland shrub are present throughout the stand.																																																																										
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<b>54</b>	6130 - Fir, Aspen, Maple	Sawtimber Medium	16.1	61	81-110	N/A	Aspen pockets are of various ages and occur consistently throughout. Oak and white pine are concentrated to the north.-good species diversity, stand being heavily used by wildlife, multiple vernal pools located																																																																										
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<b>55</b>	6124 - Lowland Spruce-Fir	Poletimber Well	6.7	40	1-50	N/A	This stand is comprised of numerous interconnected narrow strips that share the same age. Canopy tree species composition varies based on location.																																																																										
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<b>56</b>	622 - Lowland Shrub	Nonstocked	1.2			No																																																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>57</b>	6112 - Lowland Aspen	Poletimber Well	85.2	46	51-80	N/A	In January of 2022 a 7" DBH quaking aspen aged at 46 years old. This is somewhat slow diameter growth which is consistently seen in stands in the immediate area. There are other aspen in the stand that at the time of aging were of small log size, particularly at the center of the stand. Pockets of small lowland shrub and conifer mixed throughout.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Quaking Aspen		65	Pole	7	46	Tag Alder		
Balsam Fir		15	Pole/Sapling	6		Red Maple		
Red Maple		20	Pole/Sapling	6		Black Ash		
						Balsam Fir		
<b>58</b>	6120 - Lowland Cedar	Sawtimber Well	3.5	113	111-140	N/A	This is somewhat of a unique stand to the area. The canopy is more open. There is cattail scattered throughout the stand. This stand is too wet to harvest. -more open cedar with larger diameters and crowns	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Paper Birch		27	Pole/Log	8		Balsam Fir		
Black Spruce		5	Pole	7		Black Spruce		
Balsam Fir		15	Pole	7				
Northern White Cedar		50	Log/Pole	11	113			
Quaking Aspen		3	Log/Pole	11				
<b>59</b>	6120 - Lowland Cedar	Poletimber Medium	8.5	135	51-80	N/A	-fair amount of down cedar-size class reduces from w to east as conditions become increasingly wet-most trees growing on hummocks-cedar crowns are diminishing, stagnant growth	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
White Pine		5	Log/XLog	16		Balsam Fir		
Black Spruce		10	Log/Pole	10		Tag Alder		
Northern White Cedar		75	Pole/Sap/Log	7	135			
Tamarack		10	Log/Pole	12				
<b>60</b>	310 - Herbaceous Openland	Nonstocked	12.3			No	This is a portion of the old railroad grade, now snowmobile trail, with surface rights owned by the State of Michigan.	
<b>61</b>	4131 - Aspen, Oak	Poletimber Well	22.2	38		N/A	The aspen, red maple, and oak are stunted where the retained oak/pine canopy is more dense. Harvest when the aspen component is mature and ready. The aspen looked healthy and vigorous in January of 2022 where not shaded by retained oak/pine. -fair amount of mast oak and wp saps developing under oak	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Bigtooth Aspen		59	Pole	6	38	Autumn Olive		
Balsam Fir		2	Pole	7		Balsam Fir		
Northern White Cedar		1	Log/Pole	11		White Pine		
Red Maple		3	Pole/Log	8				
Red Pine		2	Log	15				
Red Oak		20	Log/XLog	16	95			
Paper Birch		3	Pole	6				
White Pine		10	Log	15				
<b>62</b>	622 - Lowland Shrub	Nonstocked	2.5	0		No	This is in a forest transition area. This is mostly lowland shrub but has pockets of trees.	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
<b>63</b>	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	15.8	113	51-80	N/A	The trees in this stand have stunted height and diameter growth due to extremely wet soil. This stand is too wet to harvest. -most trees growing on hummocks -aspen dying out due to extreme age -VERY WET -cedar declining/weak crowns -grasses coming in under residual trees within north half of stand
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Quaking Aspen	10	Pole/Log	9		
		Balsam Poplar	10	Pole/Log	9		
		Balsam Fir	15	Pole	6		
		Northern White Cedar	40	Log	13	113	
		Black Ash	10	Pole/Sapling	5		
		Red Maple	5	Pole/Log	8		
		Paper Birch	10	Pole	6		
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Red Osier Dogwood	Low	5 - 10 feet	Tall Shrub		
		Balsam Fir	Medium	Variable	Sapling		
		Common Cattail	High	Unspecified	Non-Wood		
<b>64</b>	310 - Herbaceous Openland	Nonstocked	1.7			No	This stand has somewhat grown over to the southwest and it includes uncut forest edge to the southeast. This opening looks like it was created for wildlife habitat enhancement.
<b>65</b>	6132 - Mixed Lowland Forest with Cedar	Sawtimber Medium	10.1	125		N/A	There are scattered log aspen and cedar. The stand age was taken from a cedar due to the aspen being old and rotten.
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Northern White Cedar	25	Log/Pole	13	125	
		Balsam Fir	20	Sapling/Pole	4		
		Black Ash	7	Sapling/Pole	4		
		Quaking Aspen	30	Log	13	125	
		Red Maple	18	Pole/Log	8		
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Balsam Fir	Medium	Variable	Sapling		
		Black Ash	Low	Variable	Sapling		
		Tag Alder	Medium	Variable	Tall Shrub		
<b>66</b>	6111 - Lowland Balsam Poplar	Sawtimber Poor	7.0	59	1-50	N/A	The ash have died out of the canopy leaving the sparse canopy that remains. This stand is too wet to harvest.
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Balsam Poplar	90	Log/Pole	10	59	
		Red Maple	10	Pole/Log	8		
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Tag Alder	High	Variable	Tall Shrub		
		Balsam Fir	Low	Variable	Sapling		
<b>67</b>	6112 - Lowland Aspen	Poletimber Medium	12.5	32	1-50	N/A	This area was likely cedar dominate before the last harvest. This stand is too wet to harvest due to perceived changes in hydrology. -some pockets of just tag alder
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Balsam Poplar	15	Pole	6		
		Balsam Fir	30	Pole/Sapling	5		
		Quaking Aspen	35	Pole	6	32	
		Black Spruce	10	Pole/Sapling	5		
		Red Maple	5	Pole	7		
		Paper Birch	5	Sapling/Pole	4		
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Tag Alder	Medium	Variable	Tall Shrub		
		Balsam Fir	Medium	Variable	Sapling		
<b>68</b>	42290 - Natural Mixed Pine	Sapling Poor	1.5	13	Immature	N/A	-remove autumn olive -not too dense to walk through
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Scotch Pine	75	Sapling	3	13	
		Red Pine	5	Sapling	3		
		White Pine	20	Sapling	3		
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Autumn Olive	High	5 - 10 feet	Tall Shrub		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
69	6123 - Lowland Fir	Poletimber Well	6.0	54	51-80	N/A	This stand was separated from the stand to the south due to the small diameter of the timber.																																																
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70	6120 - Lowland Cedar	Sawtimber Well	30.9	91	171-200	N/A	The southeast corner of the stand is the same size cedar but has more diversity with a more open canopy. If this stand was harvested it would most likely come back to aspen, fir, and spruce as was the case with all other cedar harvested in the area. -no under story -tall healthy looking cedar, trees are tall-high density -straight good timber quality cedar -high moss ground coverage in areas with weak/declining Cedar crowns (33% of stand area), bare ground in high density areas (66%)																																																
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71	3105 - Mixed Upland Herbaceous	Nonstocked	1.3			No	There is some tag alder/shrub filling in the southern portion of the opening.																																																
72	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	1.7	40	1-50	N/A	This stand is too wet to harvest period. There is not enough volume to bother with harvesting. There are apple trees within the northern edge of the stand.																																																
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73	3103 - Rubus-Fern	Nonstocked	1.1			No	OI- Excellent opening in need of work. Plant food and cover crops -a lot of raspberry in opening																																																
74	6119 - Mixed Lowland Deciduous Forest	Sawtimber Medium	27.1	60	51-80	N/A	Red oak, black cherry, and white spruce are present in the canopy in trace amounts. The occasional red oak is present. -density, wetness, and RM occurrence increases as heading n to s-4-10 inches standing water in southern half, most trees growing on hummocks- highly variable stand due to irregular drainage (size class and density)																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
<b>75</b>	4130 - Aspen	Poletimber Well	26.5	61	81-110	N/A	This stand was previously sold as part of the "Finger Island Aspen" sale. No work was completed on the sale and it was turned back over to the state. The aspen is ready for harvest.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		85	Pole/Log	8	61	Balsam Fir	High	Variable	Pole
Balsam Fir		7	Pole	7		White Spruce	Low	Variable	Sapling
Northern White Cedar		3	Log/Pole	11					
Red Maple		5	Pole	8					
<b>76</b>	6121 - Tamarack	Poletimber Medium	4.2	52	51-80	N/A			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Balsam Fir		2	Pole	6		Glossy Buckthorn	Full	5 - 10 feet	Tall Shrub
Tamarack		55	Pole/Sapling	7	52	Balsam Fir	Low	Variable	Sapling
White Pine		25	Log	16					
Red Maple		5	Pole	7					
Paper Birch		3	Pole	6					
Black Spruce		10	Pole/Log	9					
<b>77</b>	6124 - Lowland Spruce-Fir	Poletimber Well	18.7	50		N/A	This area was likely cedar dominate before the last harvest. It regenerated to mostly spruce and fir. This stand is too wet to harvest due to perceived changes in hydrology.		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Balsam Poplar		10	Pole/Sapling	6		Black Spruce	Low	Variable	Sapling
White Spruce		5	Pole/Sapling	5		Balsam Fir	Low	Variable	Sapling
Black Spruce		40	Pole/Sapling	5	50				
Balsam Fir		35	Pole/Sapling	5					
Paper Birch		5	Sapling/Pole	4					
Quaking Aspen		5	Pole	6					
<b>78</b>	6120 - Lowland Cedar	Poletimber Medium	5.9	152	111-140	N/A	-oldest cedar in compartment -VERY WEAK CEDAR CROWNS		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Northern White Cedar		90	Pole/Sap/Log	7	152	Black Ash	Low	Variable	Sapling
White Spruce		5	Log/Pole	13		Balsam Fir	High	Variable	Sapling
Balsam Fir		5	Pole/Sapling	6		Tag Alder	Low	Variable	Tall Shrub
<b>79</b>	42110 - Planted Red Pine	Sawtimber Well	1.6	92	141-170	N/A	-good quality rp -small stand with good volume -only 1/7th-1/8th live crown -rp growth has slowed significantly due to lack of intermediate thinnings		
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Oak		3	Log	15		Autumn Olive	Low	5 - 10 feet	Tall Shrub
Red Pine		95	Log	15	92	Balsam Fir	Low	Variable	Sapling
White Pine		2	Pole/Log	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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80	4134 - Aspen, Spruce/Fir	Poletimber Well	15.0	60	81-110	N/A	Trace red oak and red pine are present.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	3	Log	14		Balsam Fir	Medium	Variable	Sapling
Paper Birch	7	Pole	7					
Balsam Fir	25	Pole	7					
Quaking Aspen	45	Log/Pole	10	60				
Red Maple	20	Pole/Log	8					

81	310 - Herbaceous Openland	Nonstocked	1.3			No	
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82	429 - Mixed Upland Conifers	Sawtimber Well	12.1	101	51-80	N/A	steep
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	13	Log/Pole	11		Autumn Olive	Medium	Variable	Tall Shrub
Balsam Fir	3	Log/Pole	10		White Spruce	Low	Variable	Sapling
White Pine	43	Log	14	101	White Pine	Low	Variable	Sapling
Red Pine	13	Log	16		Balsam Fir	Low	Variable	Sapling
Balsam Poplar	1	Pole	8					
Paper Birch	5	Pole/Log	8					
Northern White Cedar	1	Pole/Log	8					
Red Oak	21	Log/XLog	14					

83	42130 - Planted Scotch Pine	Poletimber Well	4.8	44	51-80	N/A	In January 2022 an 8.5 inch DBH scotch pine aged at 38 + 6 = 44tears of age. Was part of the gravel pit. -full coverage of autumn olive -too dense to walk through -scattered pine
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	15	XLog/Log	18		Autumn Olive	Full	5 - 10 feet	Tall Shrub
Scotch Pine	85	Pole/Log	8	44	White Ash	Medium	Variable	Sapling

84	6113 - Lowland Maple	Sawtimber Well	8.0	61	51-80	N/A	-most trees growing on hummocks
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	5	Log/Pole	11		Black Ash	Medium	Variable	Sapling
Balsam Fir	15	Pole/Sapling	6		Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	5	Pole/Log	8		Tag Alder	Medium	Variable	Tall Shrub
Red Maple	70	Log/Pole	11	61				
Paper Birch	5	Pole	7					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
85	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	4.8	60	1-50	N/A	-more open stand with more stagnant growth due to extreme wetness, highly variable density, pockets of higher ground occur but are a rarity-fair amount of tag alder																																																				
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86	6118 - Lowland Deciduous with Cedar	Poletimber Poor	4.2	80	1-50	N/A	This stand could also be labeled a lowland shrub stand. Most of the canopy trees are gone due to the ash dying as a result of EAB. The quaking aspen are old, rotten and are falling out of the canopy. This stand is too wet to harvest. The stunted black ash in the sub-canopy help to support the forested label, but these ash will likely not last due to EAB.																																																				
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87	6120 - Lowland Cedar	Poletimber Medium	69.3	127	111-140	N/A	This stand is too wet to harvest.-60-70% coverage of feather moss-fair amount of cedar blow-down in southern-most portion of stand-more cedar logs to nw portion of stand and poles to east where soil moisture conditions are increasingly more saturated																																																				
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88	710 - Sand, Soil	Nonstocked	9.0			No	This stand was inventoried with snow on the ground in January of 2022. A re-evaluation should be completed with snow off.  OI- Gravel pit. Plant Red pine. -clay sandy soil with erosion and some small gullies -leave unmanaged, sediment deposits are not affecting any water bodies																																																				
89	42290 - Natural Mixed Pine	Sawtimber Well	6.8	87	51-80	N/A	-scotch pine and autumn olive exist-poor quality pine																																																				
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90	122 - Road/Parking Lot	Nonstocked	1.1			No	This is a park and ride/M-32.																																																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**91** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 8.4 105 81-110 N/A This stand is too wet to harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	30	Pole/Sapling	6		Michigan Holly	Medium	5 - 10 feet	Tall Shrub
Tamarack	30	Pole/Log	8	105	Tag Alder	Medium	Variable	Tall Shrub
Paper Birch	3	Pole	6		Black Ash	Low	Variable	Sapling
Quaking Aspen	3	Log/Pole	11		Balsam Fir	Medium	Variable	Sapling
Black Spruce	15	Pole	7					
Balsam Poplar	4	Log/Pole	11					
Red Maple	15	Pole/Log	8					

**92** 42210 - Natural Red Pine Sawtimber Medium 1.0 44 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Pole	6		Autumn Olive	Full	5 - 10 feet	Tall Shrub
White Pine	5	Log/Pole	11					
Red Pine	85	Log/Pole	11	44				

**93** 310 - Herbaceous Openland Nonstocked 2.3 No This stand has the state land road access to the stands to the north.

**94** 6220 - Alder/willow Nonstocked 4.9 No

**95** 6239 - Mixed Emergent Wetland Nonstocked 3.8 No

**96** 122 - Road/Parking Lot Nonstocked 3.4 No This is a portion of the old railroad grade, now snowmobile trail, with surface rights owned by the State of Michigan.

**97** 6124 - Lowland Spruce-Fir Sawtimber Well 1.2 58 81-110 N/A This stand was retained after the area to the east was harvested. A vein of large red and white pine exists down the center. Black spruce make up the south west area. This stand adds desirable diversity to the area.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Pole	6	
Red Maple	10	Pole/Sapling	7	
Black Spruce	45	Pole	6	58
Red Pine	15	XLog/Log	20	
White Pine	20	XLog/Log	20	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
<b>98</b>	6111 - Lowland Balsam Poplar	Poletimber Well	6.4	61	81-110	N/A	-fairly dense aspen stand -deer browse heavy on dogwood																																										
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<b>99</b>	6113 - Lowland Maple	Sawtimber Medium	2.2	67	51-80	N/A	-small intermittent drainage flows e-w through stand-pure maple stand, fairly low density																																										
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<b>100</b>	6120 - Lowland Cedar	Poletimber Well	9.4	107	1-50	N/A	This stand is too wet to harvest. Cedar heavy to the west red maple heavy to the east																																										
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<b>101</b>	122 - Road/Parking Lot	Nonstocked	9.2	0		No	This is Herron Road.																																										
<b>102</b>	6120 - Lowland Cedar	Poletimber Medium	1.2	127	111-140	N/A	-60-70% coverage of feather moss-fair amount of cedar blow-down in southern-most portion of stand-more cedar logs to nw portion of stand and poles to east where soil moisture conditions are increasingly more saturated																																										
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