



# Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42107

Entry Year 2024

Acreage: 2,115

County Luce

Management Area: County Line Hardwoods

**Stand Examiner:** Matt Payment

## Legal Description:

T45N R11W Section(s) 21, 22, 27, 33, 34

## Identified Planning Goals:

Maintain forest health, forest resource protection, forest recreation, timber production, forest diversity and forest sustainability while considering wildlife, fisheries and environmental needs and concerns

## Soil and topography:

Soil grades from Kalkaska and Adams loamy sands in the upland types to Carbondale and Dawson mucks in the lowland types. Topography is gently rolling upland to flat swamps.

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

Private lands to the north and west; mixed State and private lands to the east and south.

## Unique Natural Features:

Black Creek swamp. Upper Black Creek. Locke Creek.

## Archeological, Historical, and Cultural Features:

No site known.

## Special Management Designations or Considerations:

Western fringes of the compartment fall in the Black Creek Deer Wintering Complex.

## Watershed and Fisheries Considerations:

The northern region of this compartment contains Locke Lake and Locke Creek which serve as tributary to North Manistique Lake. Locke Creek is a designated Type 1 trout stream less than 50-foot width and has a predicted mean July temperature of 60.3 °F (cold stream). A minimum 300-foot Riparian Management Zone (RMZ) is recommended for Locke Creek in areas susceptible to aspen regeneration. For areas not susceptible to aspen regeneration and for shoreland areas surrounding Locke Lake, a minimum 100-foot (plus 5 feet per 1% increase in slope) RMZ is recommended.

The central and southern regions of this compartment contain T Lake and Upper Black Creek which serve as tributary to Black Creek. The Upper Black Creek is a designated Type 1 trout stream less than 50-foot width. A minimum 300-foot Riparian Management Zone RMZ is recommended for the Upper Black Creek in areas susceptible to aspen regeneration. For areas not susceptible to aspen regeneration and for shoreland areas surrounding T Lake, a minimum 100-foot (plus 5 feet per 1% increase in slope) RMZ is recommended.

## Wildlife Habitat Considerations:

Compartment 107 is situated in south western Luce county in the St. Ignace ecological sub-subsection and in the County Line Hardwoods Management Area where white-tailed deer, black bear, snowshoe hare, ruffed grouse, red shouldered hawk and northern goshawk are designated featured species. A small portion of the compartment falls in the McMillan-Black Creek Deer Wintering Complex which can support high deer number of deer during stressful winter periods. The area has fairly diverse cover types with a large component of northern hardwoods and cedar and a scattering of aspen, lowland mixed types, mixed and lowland conifer and fir stands.

Wildlife objectives will be achieved by the retention of hard and soft mast producing trees, wildlife den and nest trees and snags in harvested stands and the preservation of conifer components in aspen and hardwood stands. Some large aspen will be retained in stands for future softwood snags. Soft mast (cherry) is present in the compartment and will be maintained in harvested stands. Hardwood stands are likely to contain vernal pools which will be protected during harvest operations to preserve wetland wildlife habitat. White-tailed deer, black bear, fisher, marten, bobcat, coyotes, gray wolves, ruffed grouse, woodcock, snowshoe hare and pileated woodpecker are expected to use this compartment.

## Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine sand and gravel, peat and muck and coarse-textured glacial till. There is

insufficient data to determine the glacial drift thickness. The Silurian Manitoulin Dolomite and Cabothead Shale subcrop below the glacial drift. No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for metallic minerals in this area. Multiple active sand/gravel pits are just to the northeast and several others in the general area. There is some potential for sand within the compartment on the uplands. No current State mineral leasing activity exists in the area.

**Vehicle Access:**

Good access via county roads 458, 468 and 429.

**Survey Needs:**

None at this time.

**Recreational Facilities and Opportunities:**

A snowmobile trail runs throughout the compartment.

**Fire Protection:**

Large fires in this compartment are not likely because of the hardwood and mixed conifer/hardwood lowland types. Travel times are reasonable for this compartment and may not impact fire size. Access with heavy suppression equipment is limited and could challenge suppression tactics.

**Additional Compartment Information:**

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

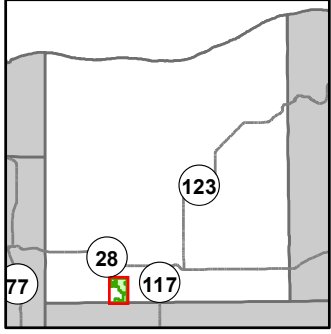
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

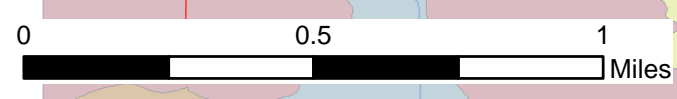
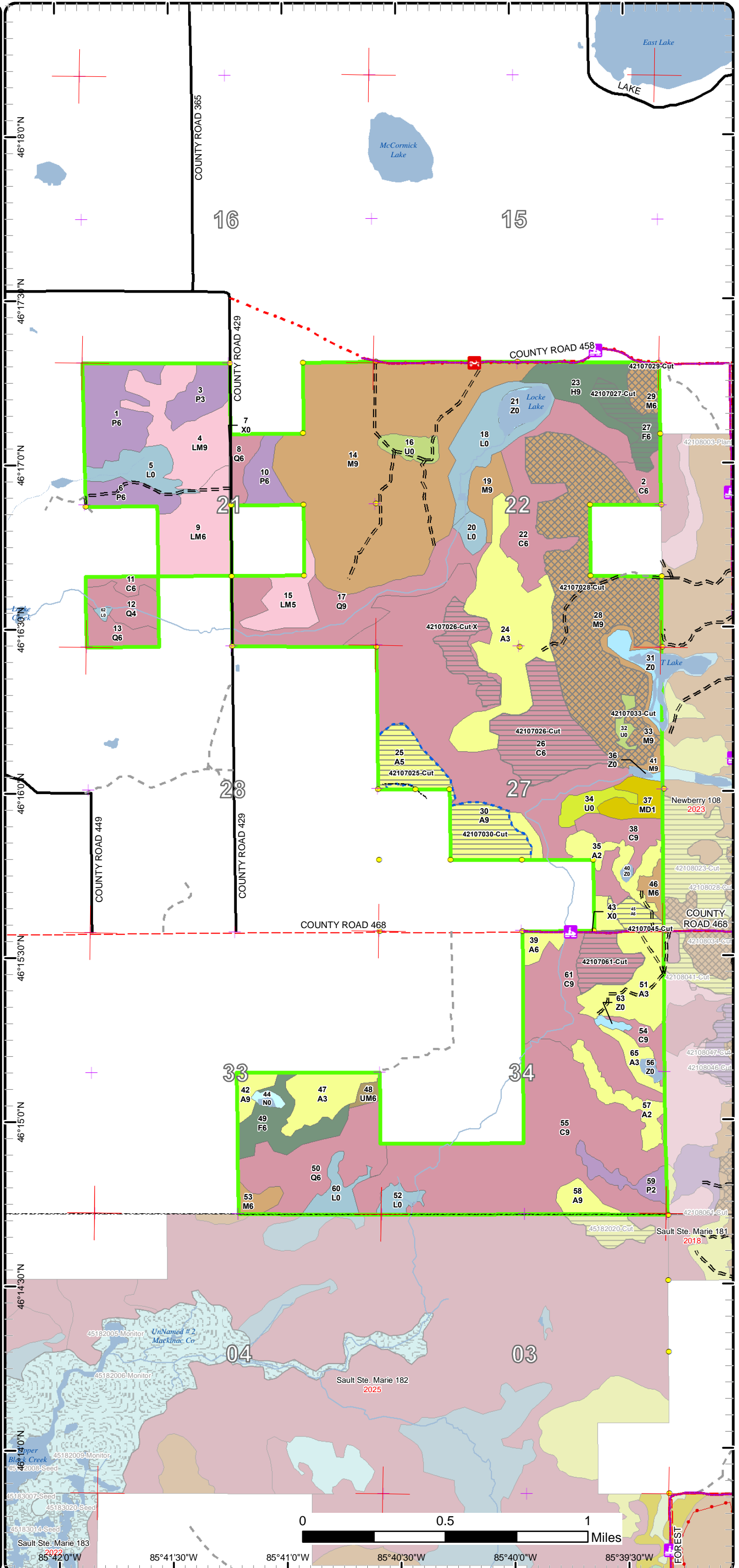
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 107  
 T45N, R11W, Sec. 21, 22, 27, 33, 34  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: County Line  
 Hardwoods  
 YOE: 2024  
 Acres: 2115 GIS Calculated  
 Examiner: Matt Payment  
 Map Revised: 1/6/2023  
 Map Phase: Post-Review



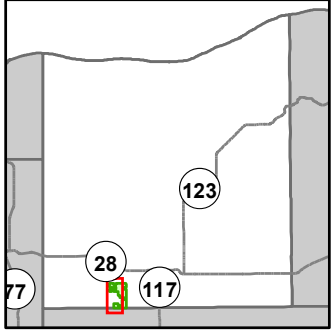
- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- == DNR - Forest Access Route
- Federal / State / County - Paved Road
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- - - Private - Dirt / Gravel Road
- ORV Routes
- Snowmobile Trails
- Designated ORV Route
- Designated Snowmobile Trails
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
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- Lakes and Rivers
- Fence
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



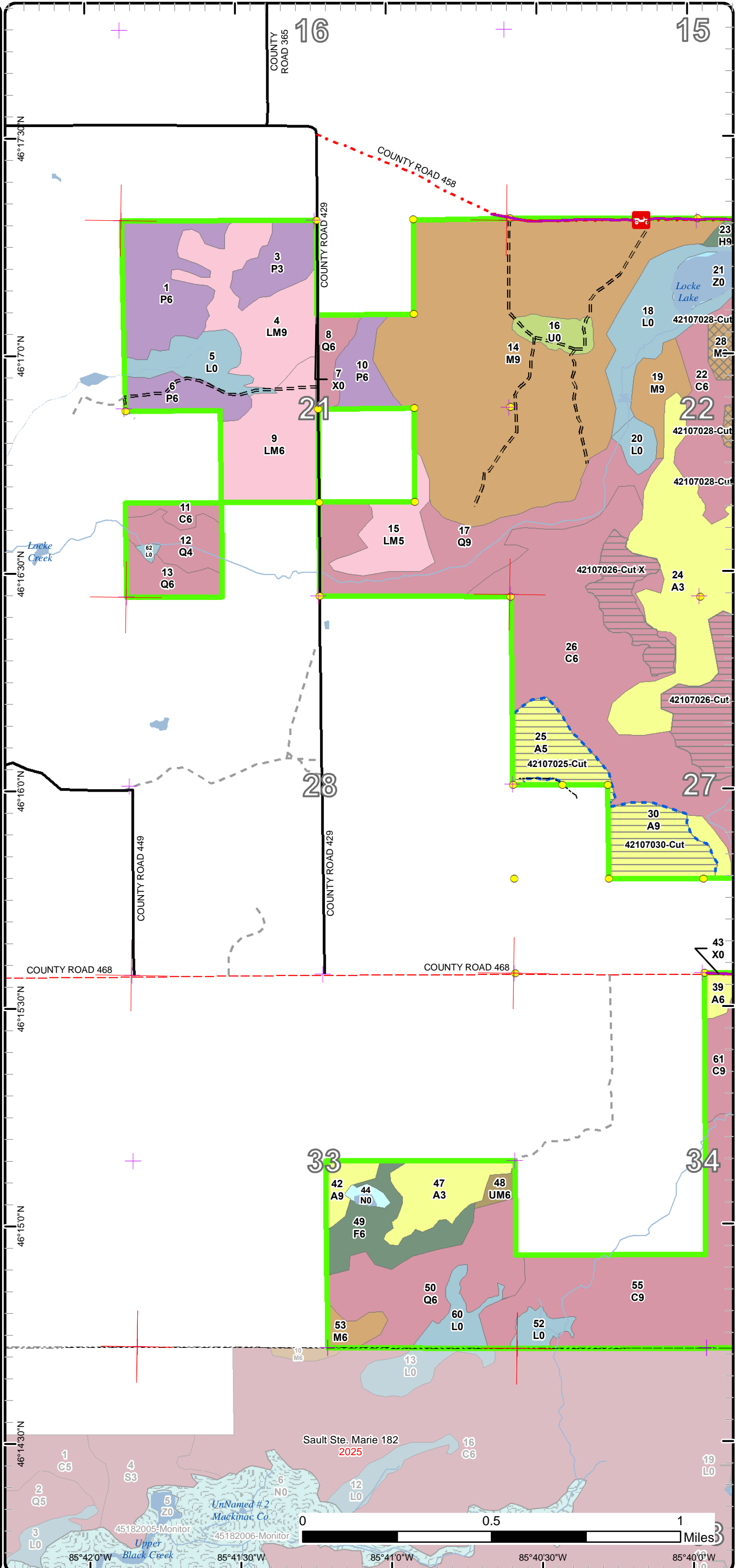
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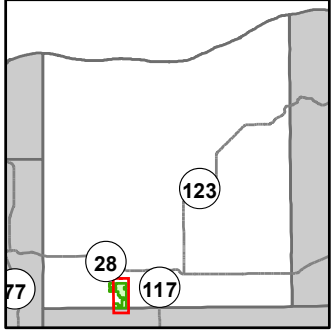


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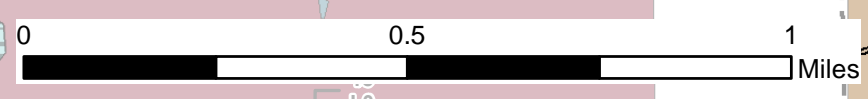
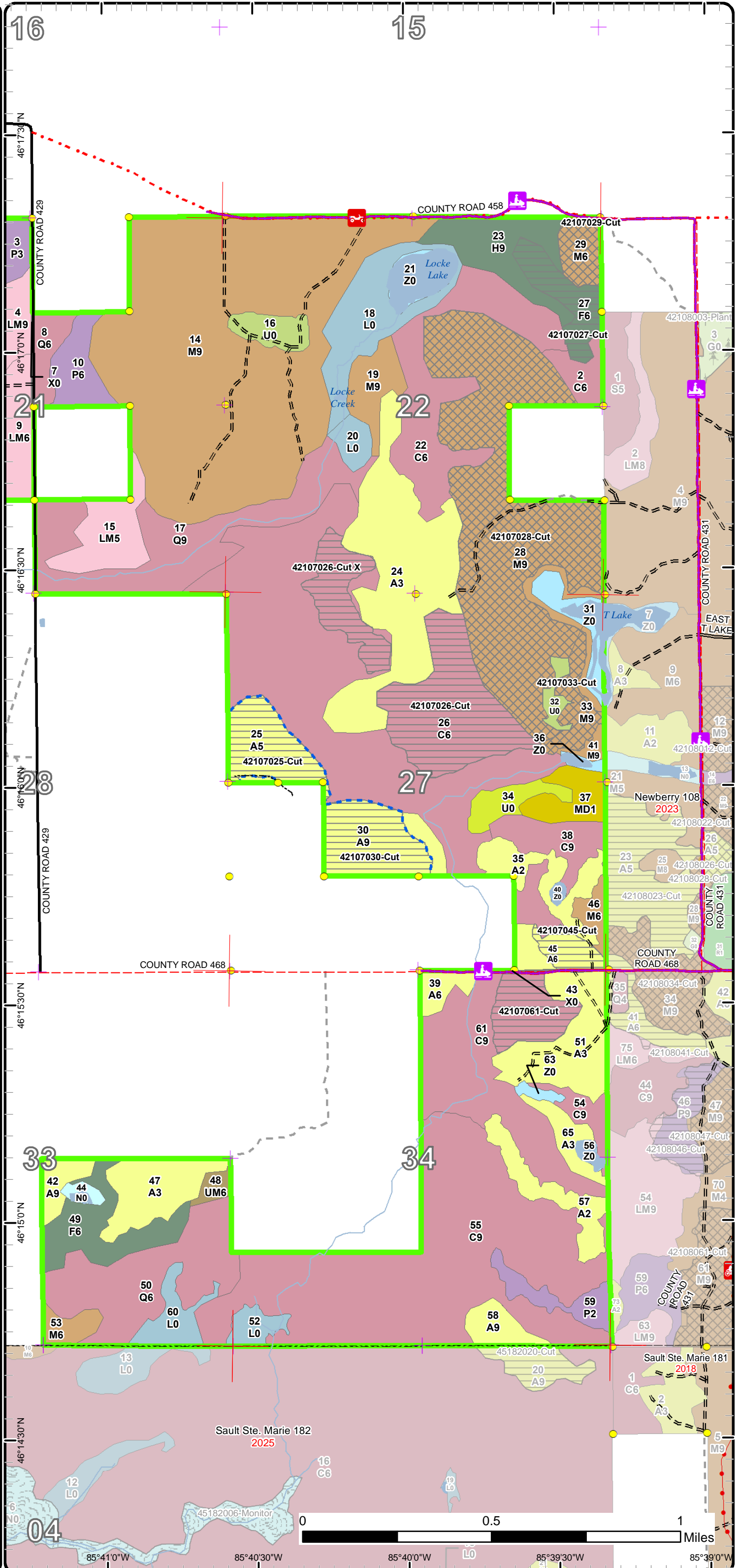


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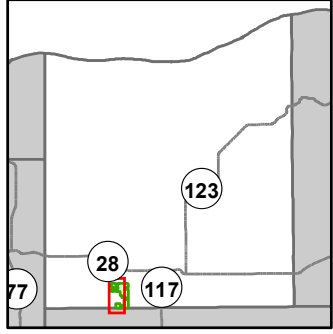
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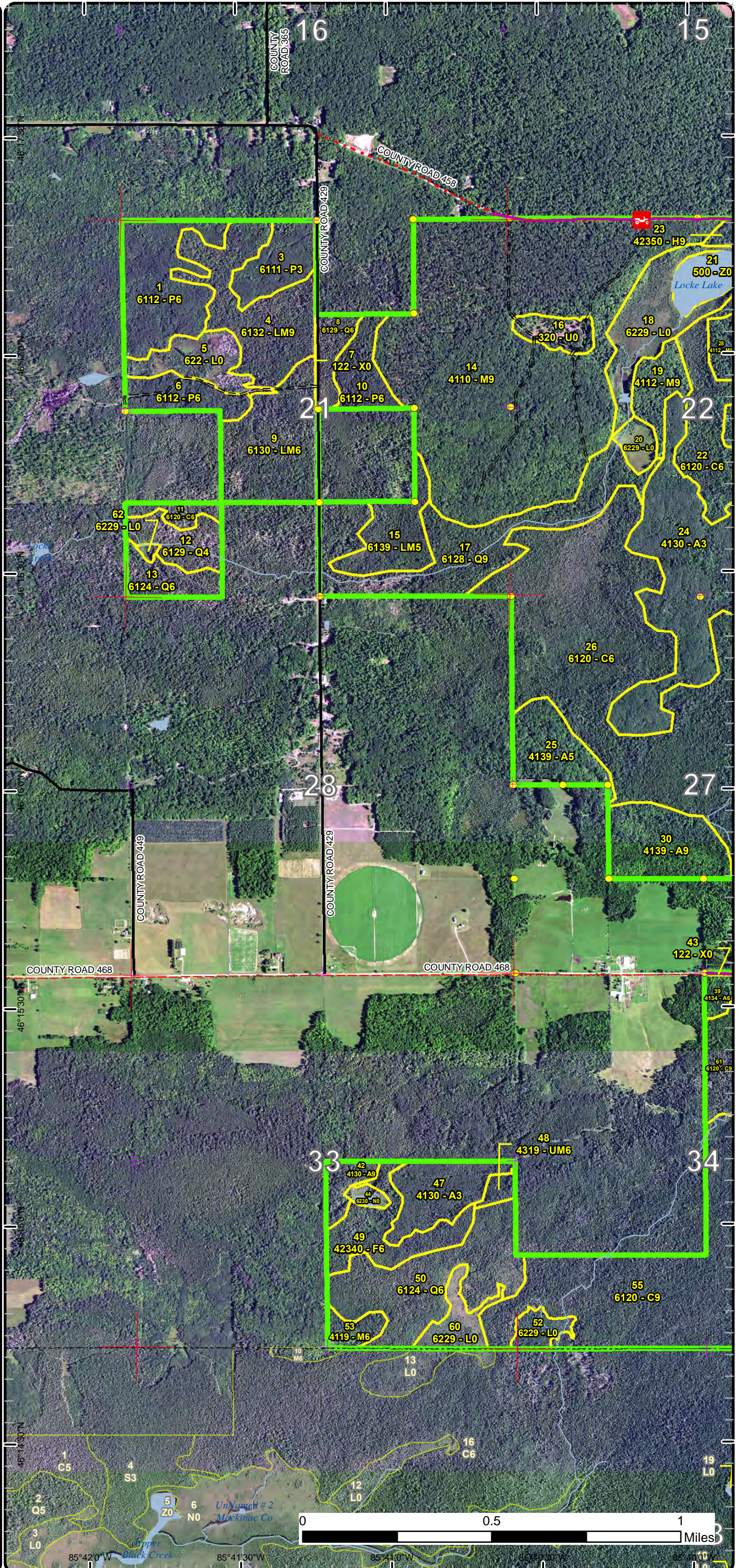
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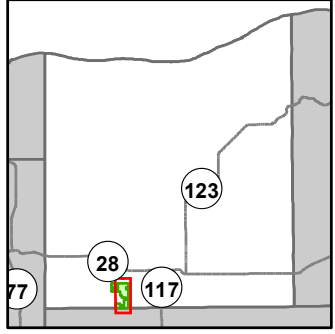


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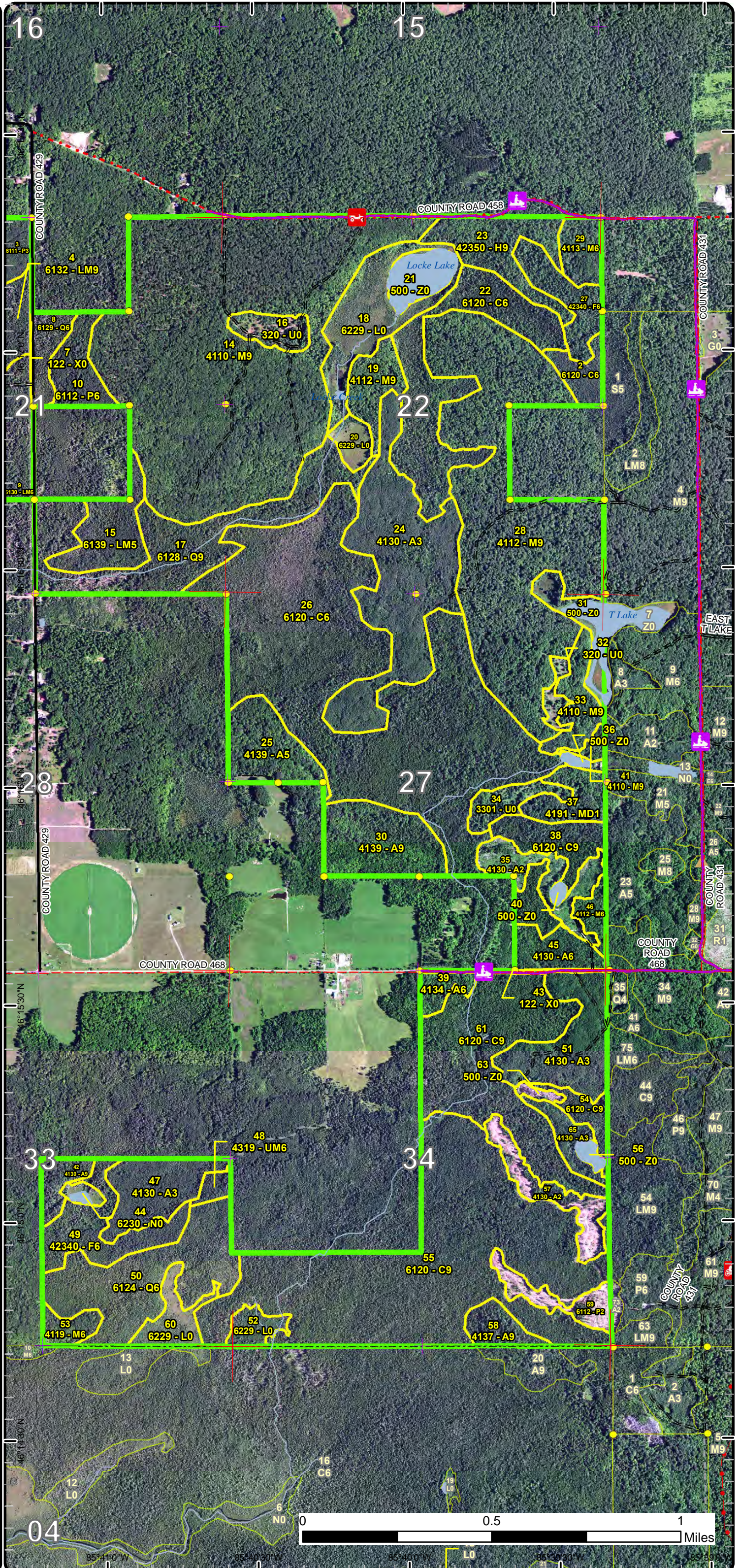


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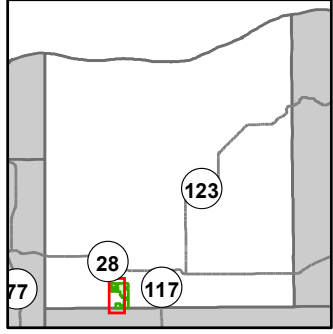


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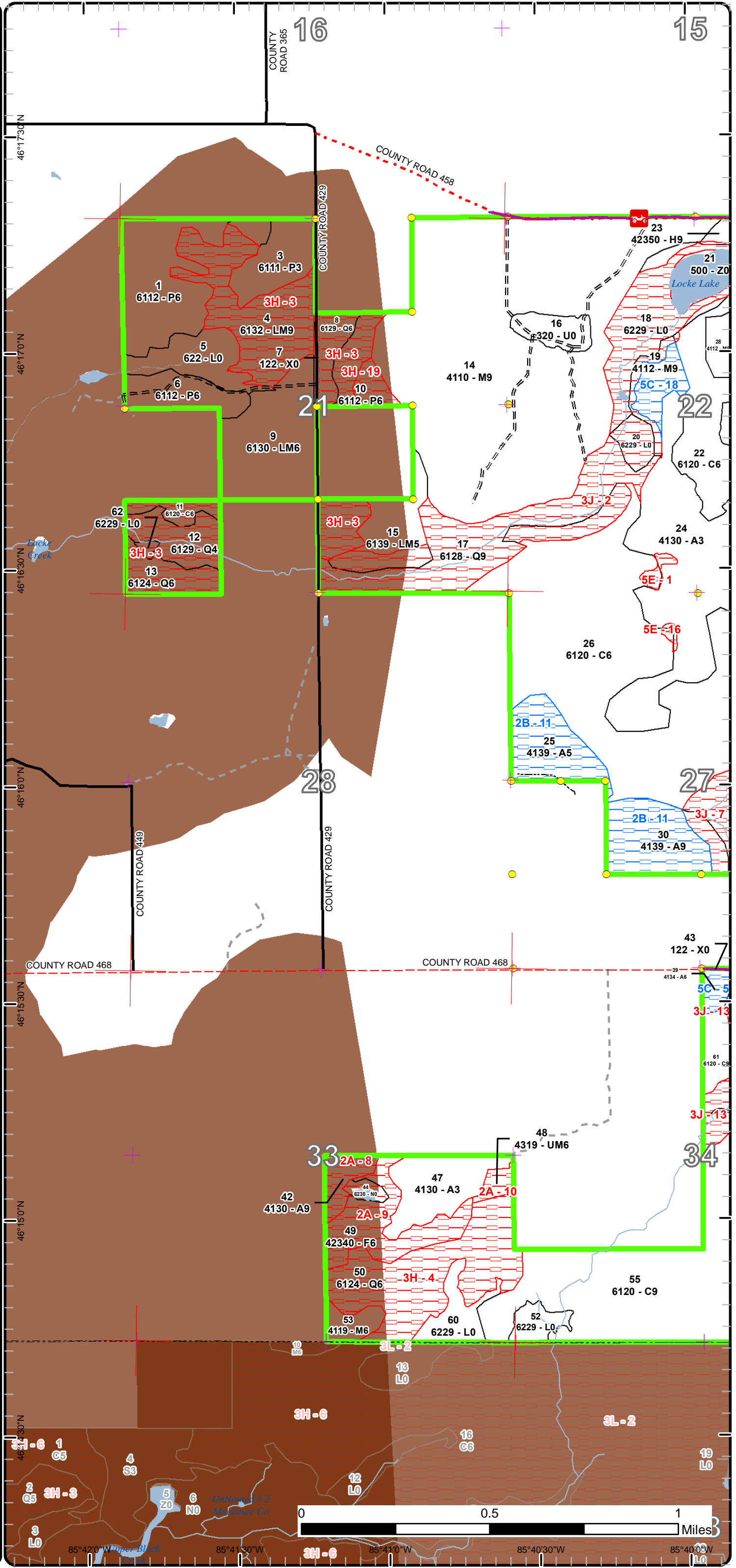


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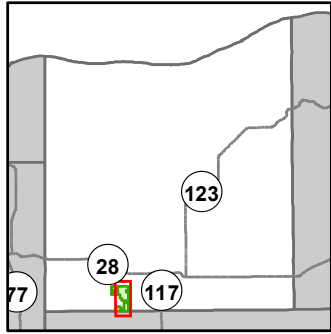
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- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2A: Adjacent landowner denied access
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range
- Wildlife Management Areas



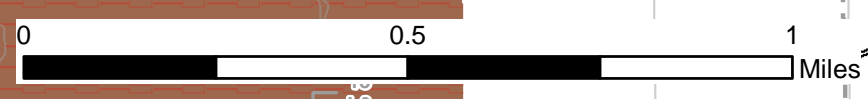
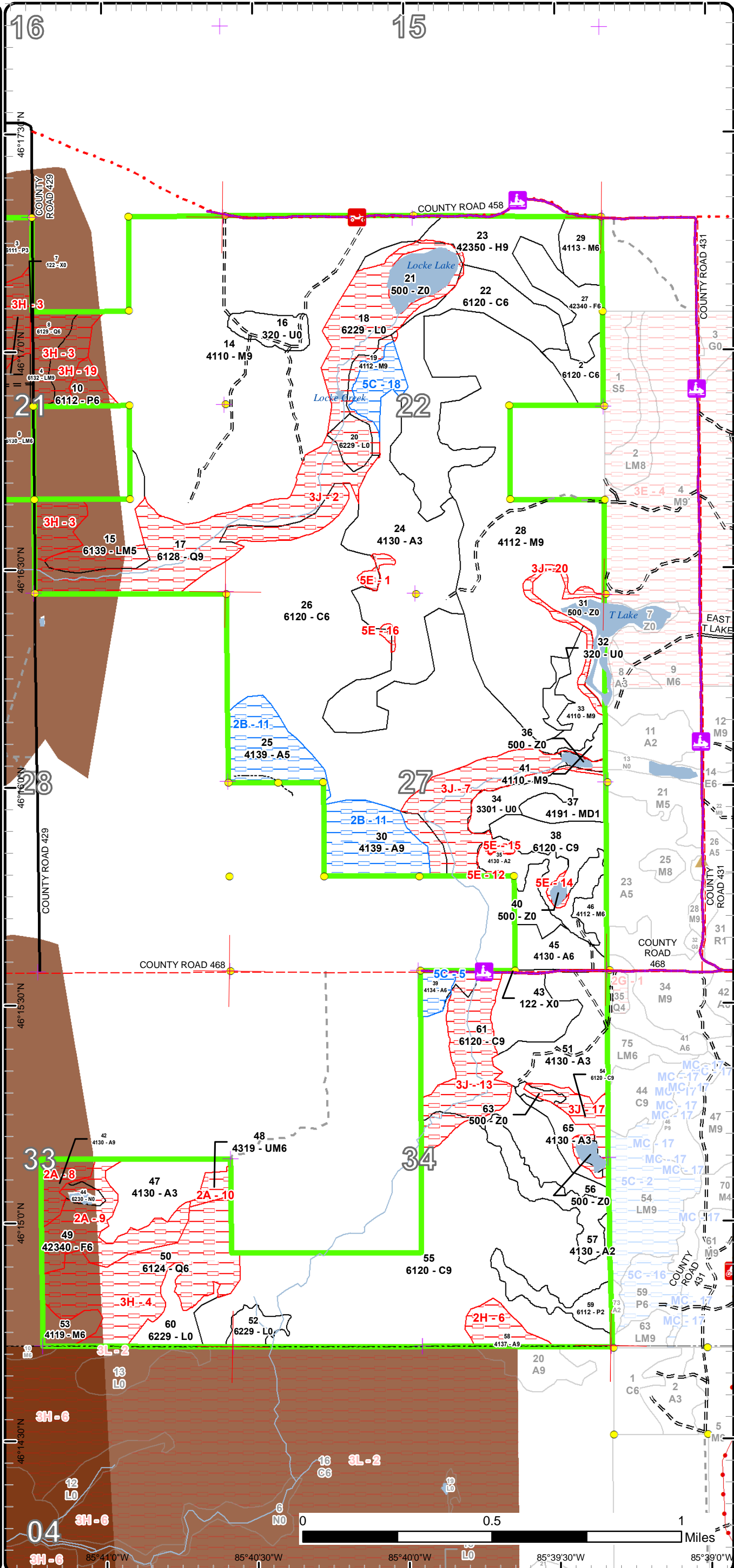


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- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2A: Adjacent landowner denied access
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range
- Wildlife Management Areas



04 3H-6 16 3L-2 19 20 A9 13 LO 12 LO 6 NO 85°41'0"W 85°40'30"W 85°40'0"W 85°39'30"W 85°39'0"W

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	38	0	87	73	14	0	0	7	72	0	0	0	0	0	0	0	11	301
Cedar	0	0	0	0	0	0	0	0	0	0	347	7	292	0	0	0	0	0	646
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	29
Low-Density Trees	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Lowland Aspen/Balsam Poplar	0	13	0	20	0	63	17	0	0	0	0	0	0	0	0	0	0	0	111
Lowland Conifers	0	0	0	0	0	0	0	0	0	11	61	15	0	70	0	0	0	17	174
Lowland Mixed Forest	0	0	0	0	0	0	49	0	0	0	52	0	0	0	0	0	0	24	124
Lowland Shrub	86	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	86
Marsh	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	15
Northern Hardwood	0	0	0	0	0	0	0	0	0	26	12	22	0	0	0	0	0	446	506
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	4
Upland Shrub	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Upland Spruce/Fir	0	0	0	0	0	0	0	0	29	19	0	0	0	0	0	0	0	0	48
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
<b>Total</b>	<b>154</b>	<b>51</b>	<b>0</b>	<b>107</b>	<b>73</b>	<b>77</b>	<b>66</b>	<b>0</b>	<b>36</b>	<b>132</b>	<b>472</b>	<b>44</b>	<b>292</b>	<b>70</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>542</b>	<b>2112</b>



## Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 107

Total Compartment Acres: 2,115

Commercial Harvest - 324  
 Harvests with Site Condition - 56  
 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	65	0	0	0	0	0	0	0	0	65
Cedar	103	0	0	0	0	0	0	0	0	103
Northern Hardwood	0	193	0	0	0	0	0	0	0	193
Upland Spruce/Fir	19	0	0	0	0	0	0	0	0	19
<b>Total</b>	<b>187</b>	<b>193</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>380</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	380	0	0	0	0	0	0	0	0	380
Next Step	0	0	0	0	0	0	380	0	0	380
<b>Total</b>	<b>380</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>380</b>	<b>0</b>	<b>0</b>	<b>761</b>



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat
											Cut

**Approved Treatments:**

<b>25</b>	<b>42107025-Cut</b>	25.8	4139 - Aspen, Mixed Deciduous	Poletimber Medium	81	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention, leave some scattered conifer where it occurs and some mature aspen especially on the east side of the stands.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											

<b>26</b>	<b>42107026-Cut</b>	58.7	6120 - Lowland Cedar	Poletimber Well	97	171-200	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut with Retention. Cut all species present. Leave all Hemlock. Leave 3-5% retention in pockets. Upper Black Creek has buffer adjusted to 300' for the treatment. For areas not susceptible to aspen regeneration and for shoreline areas surrounding T Lake, a minimum 100-foot (plus 5 feet per 1% increase in slope) RMZ is recommended.</p> <p>Standard snowmobile trail protections.</p> <p>Treatment may potentially change to align with Cedar Research findings.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mixed lowland Conifers.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											

<b>26</b>	<b>42107026-Cut X</b>	23.4	6120 - Lowland Cedar	Poletimber Well	97	171-200	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Remove all species except leave hemlock, cedar. Leave White pine over 16". Cut cedar for maneuverability only.</p> <p><u>Specs:</u></p> <p>For areas not susceptible to aspen regeneration and for shoreline areas surrounding T Lake, a minimum 100-foot (plus 5 feet per 1% increase in slope) RMZ is recommended.</p> <p>Standard snowmobile trail protections.</p> <p>Treatment may potentially change to align with Cedar Research findings.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> lowland mixed conifers with mixed deciduous.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>27 42107027-Cut</b>	18.9	42340 - Upland Spruce/Fir	Poletimber Well	81	141-170	Harvest	Clearcut with Retention	42330 - Upland Fir	Even-Aged	No
<p><u>Prescription</u> Clearcut with Retention. Cut all species present. Leave all Hemlock. Leave any white pine within hemlock inclusions while cruising.</p> <p><u>Specs:</u> If hemlock inclusion's are not significant in the stand leave conifer retention pockets. Standard snowmobile trail protections. Stand area may change after prep is complete.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> spruce and fir.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>28 42107028-Cut</b>	167.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	101	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Single Tree Selection - Thin stand 70-90 BA targeting larger diameter trees to open the canopy to aid in regeneration of Northern Hardwoods. Remove all beech, balsam fir, and aspen. Leave spruce over 14". Leave all Hemlock. Leave all white pine over 16".</p> <p><u>Specs:</u> Buffer water bodies according to BMP guidelines.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> northern hardwoods.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>29 42107029-Cut</b>	12.0	4113 - R.Maple, Conifer	Poletimber Well	91	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Thin stand 70-90BA. Remove all spruce, aspen, and balsam fir. Leave any hemlock present.</p> <p><u>Specs:</u> Stand area may change after prep is complete.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Northern hardwoods.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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<b>30</b>	<b>42107030-Cut</b>	30.6	4139 - Aspen, Mixed Deciduous	Sawtimber Well	81	111-140	Harvest	Clearcut with Retention	413 - Aspen	Two-Aged	No
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Prescription Clearcut with Retention. Leave hemlock and cedar also leave some scattered conifer if it occurs and some mature aspen especially on the east side of the stands. The 300 ft buffer along Upper Black Creek will provide a wildlife corridor.  
Specs:

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

Acceptable aspen & mixed conifer  
Regen:

Other  
Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2023

<b>33</b>	<b>42107033-Cut</b>	13.2	4110 - Sugar Maple Association	Sawtimber Well	81	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Single Tree Selection thinning stand 70-90BA. Remove all aspen, balsam fir.  
Specs:

Leave any healthy in appearance beech.

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

Acceptable Northern hardwoods  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2023

<b>45</b>	<b>42107045-Cut</b>	9.0	4130 - Aspen	Poletimber Well	47	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clearcut no retention due to small acreage. Cut all species present except leave all Hemlock.

Specs:

For areas not susceptible to aspen regeneration and for shoreline areas surrounding T Lake, a minimum 100-foot (plus 5 feet per 1% increase in slope) RMZ is recommended.

Standard snowmobile trail protections.

Stand acreage may vary after sale prep.

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

Acceptable aspen  
Regen:

Other  
Comment:

Site Condition

Proposed Start Date: 10/1 /2023



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
61 42107061-Cut	20.9	6120 - Lowland Cedar	Sawtimber Well	115	171-200	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Cut all species present within the stand. Upper Black Creek buffered 300' to serve as retention and wildlife corridor.</p> <p><u>Specs:</u></p> <p>For areas not susceptible to aspen regeneration and for shoreline areas surrounding T Lake, a minimum 100-foot (plus 5 feet per 1% increase in slope) RMZ is recommended.</p> <p>Standard snowmobile trail protections.</p> <p>Acres may change after sale prep is complete.</p> <p>Treatment may potentially change to align with Cedar Research findings.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Mixed lowland conifers.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

**Total Treatment Acreage Proposed: 380.4**

## Report 4 – Site Conditions

Newberry Mgt. Unit  
Matt Payment : Examiner

Compartment: 107  
Year of Entry: 2024

### Availability for Management

Total	Acres	<b>Acres Avail</b>	Acres
Acres	Available	<b>With Condition</b>	Not Available

### Dominant Site Conditions

	Total Acres	Acres Available	Acres <b>With Condition</b>	Acres Not Available	Dominant Site Conditions								
					2B	5C	2A	2H	3H	3J	5E		
302	208		<b>63</b>	32	Aspen	<b>57</b>	<b>5</b>	9	10		9	4	
646	547		<b>0</b>	99	Cedar		<b>0</b>				7	90	2
29	28		<b>0</b>	1	Hemlock							1	
11	11		<b>0</b>	0	Low-Density Trees							0	
112	95		<b>0</b>	16	Lowland Aspen/Balsam Poplar						16		
174	0		<b>0</b>	174	Lowland Conifers						116	59	
125	68		<b>0</b>	56	Lowland Mixed Forest						48	8	
50	42		<b>0</b>	8	Lowland Shrub						1	7	
3	0		<b>0</b>	3	Marsh			3					
15	14		<b>0</b>	1	Mixed Upland Deciduous							1	
507	484		<b>11</b>	12	Northern Hardwood		<b>11</b>					12	
4	0		<b>0</b>	4	Upland Mixed Forest			4					
15	15		<b>0</b>	0	Upland Shrub								
48	19		<b>0</b>	29	Upland Spruce/Fir			29					
4	4		<b>0</b>	0	Urban								
35	29		<b>0</b>	6	Water							6	
2,079	1,564		<b>74</b>	441	Total Forested Acres	<b>57</b>	<b>16</b>	45	10	189	192	6	
	75%		<b>4%</b>	21%	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	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	123	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

Compartment: 107  
 Year of Entry: 2024

3	<b>Unavailable</b>	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	121	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	61	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Available</b>	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	11	2F: Too steep	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	3J: Water quality / BMPs (stream, river, or lake)	41	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	2A: Adjacent landowner denied access	9	2I: Survey needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Newberry Mgt. Unit  
 Matt Payment : Examiner

Compartment: 107  
 Year of Entry: 2024

9	Unavailable	2A: Adjacent landowner denied access	32	2G: Too wet (sensitive soils, does not include access issues)	2I: Survey needed	Unspecified	Unspecified
<b>Comments:</b>							
10	Unavailable	2A: Adjacent landowner denied access	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	Available	2B: Unknown if access through adjacent landowner(s) is possible	57	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Steep hillside and questionable access through private.							
12	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	39	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> 300' Buffer on Upper Black Creek.							
14	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

Compartment: 107  
 Year of Entry: 2024

16	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	7	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

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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	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
1	6112 - Lowland Aspen	Poletimber Well	45.0	44	111-140	N/A																																																			
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Hemlock	10	Log/Pole	12																																																						
3	6111 - Lowland Balsam Poplar	Sapling Well	19.9	24	Immature	N/A	Mixed lowland stand with balsam poplar dominating. Some conifers in the stand. Lower wet stand. Harvested 1999.																																																		
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4	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	51.7	95	171-200	N/A	Lowland stand mixed conifers, considerably wet throughout stand. Falls in Black Creek DWC.																																																		
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5	622 - Lowland Shrub	Nonstocked	20.9		Unspecified	No																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
<b>6</b>	6112 - Lowland Aspen	Poletimber Well	17.5	45	81-110	N/A	Small diameter stand. Aspen, birch, and fir stand.																																			
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<b>7</b>	122 - Road/Parking Lot	Nonstocked	1.7		Unspecified	No	County Road 429																																			
<b>8</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	10.9	86	201+	N/A	Lowland spruce and cedar with some birch and aspen. Wet ground throughout.																																			
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<b>9</b>	6130 - Fir, Aspen, Maple	Poletimber Well	48.5	51	81-110	N/A	Lowland fir with some hardwood, aspen, and component of cedar. Access off the county road. Some drains run through the stand.																																			
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<b>10</b>	6112 - Lowland Aspen	Poletimber Well	16.5	50	81-110	N/A	Smaller lowland aspen with some spruce and balsam fir coming in. Wet low ground.																																			
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<b>11</b>	6120 - Lowland Cedar	Poletimber Well	7.1	101	201+	N/A	Spruce is beginning to die and fall over in this stand. Mainly cedar throughout. Access through private. Low wet ground.																																			
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12	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	17.3	121	51-80	N/A	Balsam and aspen dying out. Balsam understory with some cedar seedlings. Access through private. Wet with some drains throughout.																																															
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13	6124 - Lowland Spruce-Fir	Poletimber Well	14.9	106	111-140	N/A	Lowland stand with spruce and balsam fir as the main species. Cedar, aspen, red maple mixed in throughout the stand. Drains run through the stand making it wet. Access difficult and through private.																																															
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14	4110 - Sugar Maple Association	Sawtimber Well	273.2	111	81-110	N/A	Higher quality hardwood stand with moderate to high maple regeneration coming in underneath.  Selection cut in 2016 as "Locke Lake Hardwoods" #15-14.																																															
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15	6139 - Mixed Lowland Forest	Poletimber Medium	24.4	50	51-80	N/A	Low wet stand with mixed spruce and fir.																																															
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16	320 - Upland Shrub	Nonstocked	10.5		Unspecified	No	Opening filling in with cherry, white pine, aspen, and hardwoods.																																															
17	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	70.1	121	171-200	N/A	Locke Creek runs through the stand. Cedar blowdown with spruce and some areas of large hemlock.																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**18** 6229 - Mixed lowland shrub Nonstocked 36.4 Unspecified No Flooded marshy area south of Locke Lake.

**19** 4112 - Maple, Beech, Cherry Association Sawtimber Well 15.6 101 111-140 N/A

Large sugar and red maple. Some aspens, balsam and spruce along lowland edges. Sparse white pine and some hemlock in small patches. Small acres and remote access. Not much sign of deer browse in the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	65	Log	13	101	Red Maple	Medium	5 - 10 feet	Sapling
Paper Birch	2	Pole	8		Balsam Fir	Low	5 - 10 feet	Sapling
Quaking Aspen	3	Pole	9		Sugar Maple	Medium	5 - 10 feet	Sapling
White Spruce	2	Pole	9					
Balsam Fir	5	Pole	7					
Hemlock	2	Log	14					
White Pine	1	Log	14					
Red Maple	20	Log	12					

**20** 6229 - Mixed lowland shrub Nonstocked 7.2 Unspecified No

**21** 500 - Water Nonstocked 13.0 Unspecified No Locke Lake

**22** 6120 - Lowland Cedar Poletimber Well 61.5 97 141-170 N/A

Large lowland stand with mainly cedar and spruce. Some areas with aspen and hemlock.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	60	Pole	8	97
Black Spruce	20	Pole	8	
Hemlock	10	Log	14	
Quaking Aspen	10	Pole	9	

**23** 42350 - Upland Hemlock Sawtimber Well 29.0 91 81-110 N/A

Mainly hemlock with little regeneration underneath. Wet and often flooded in areas.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Log/Pole	12		Hemlock	Medium	5 - 10 feet	Sapling
Yellow Birch	10	Pole	5		Balsam Fir	Medium	5 - 10 feet	Sapling
Hemlock	60	Log/Pole	12	91				

**24** 4130 - Aspen Sapling Well 87.3 26 81-110 N/A Fully Stocked aspen stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	94	Sapling	2	26	Balsam Fir	Low	< 5 feet	Sapling
Pin Cherry	4	Sapling	2					
Paper Birch	2	Sapling	2					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>25</b>	4139 - Aspen, Mixed Deciduous	Poletimber Medium	26.7	81	81-110	N/A	2022 - Stand was prescribed last time and carried over into this entry. Maple, Aspen and some conifers. Red maple is sprout origin.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	2	Pole	6	
White Pine	2	Log	12	81
Red Maple	48	Pole	9	81
Bigtooth Aspen	46	Pole	8	81
Paper Birch	2	Log/Pole	10	

<b>26</b>	6120 - Lowland Cedar	Poletimber Well	248.5	97	171-200	N/A	Mainly cedar with spruce. Some areas of tamarack and isolated large white pine in the middle of the stand. Some small drainages through the stand. Portions of stand where cedar is not as prevalent and has concentrated areas of other species.
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	2	Pole	5	
Northern White Cedar	65	Pole	7	97
Black Spruce	15	Pole	7	
White Pine	2	Log	14	
Quaking Aspen	2	Pole	8	
Tamarack	14	Pole	7	

<b>27</b>	42340 - Upland Spruce/Fir	Poletimber Well	18.9	81	141-170	N/A	Mixed upland fir, low wet areas to the west.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	40	Pole	6	61
White Pine	6	Log	18	101
Red Maple	10	Log/Pole	10	
Tamarack	4	Log/Pole	10	
Black Spruce	40	Pole	6	81

<b>28</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	173.1	101	111-140	N/A	Large diameter northern hardwood stand. Sugar maple dominant with red maple, cherry, and paper birch. Some dying beech in the stand. Some aspen, and conifers consist of spruce, balsam fir, hemlock, and white pine. scattered throughout. Access is good within the stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	5	Pole/Log	8	
Beech	2	Log/Pole	12	
White Spruce	2	Log	14	
White Pine	2	Log/XLog	15	
Hemlock	2	Log/Pole	13	
Paper Birch	5	Pole	8	
Red Maple	10	Log/Pole	13	
Sugar Maple	70	Log	15	101
Quaking Aspen	2	Log/Pole	11	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	5 - 10 feet	Sapling
Black Cherry	Low	Variable	Sapling
Beech	Low	Variable	Sapling
Balsam Fir	Low	5 - 10 feet	Sapling
Red Maple	Medium	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
29	4113 - R.Maple, Conifer	Poletimber Well	12.0	91	81-110	N/A	Mixed hardwoods with some conifer throughout.																																																						
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30	4139 - Aspen, Mixed Deciduous	Sawtimber Well	35.8	81	111-140	N/A	Aspen with some mixed hardwoods and conifers. Access through private from the south or through north from the swamp. Stand has a large ridge to navigate on the NE portion.																																																						
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31	500 - Water	Nonstocked	13.9		Unspecified	No	West half of T Lake																																																						
32	320 - Upland Shrub	Nonstocked	4.8		Unspecified	No	Opening with spruce, cherry, and maple.																																																						
33	4110 - Sugar Maple Association	Sawtimber Well	15.8	81	111-140	N/A	A nice M9 hardwood stand with a small drainage within it. Stand has some dying beech and decent cherry throughout as well.																																																						
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34	3301 - Low Density Deciduous Trees	Nonstocked	10.8		Unspecified	No																																																							
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35	4130 - Aspen	Sapling Medium	20.2	6	Immature	N/A	Aspen, red maple, and balsam comprise this young stand. Some topography within the stand as well.																																																						
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<p>Stand harvested as sale #42-012-14-01. Closed 06/27/2017. Western portion of the sand was not harvested.</p>																																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
36	500 - Water	Nonstocked	2.2		Unspecified	No																																														
37	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	14.9	41	51-80	N/A	Stand regenerating well with mixed species and sizes filling in.																																													
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38	6120 - Lowland Cedar	Sawtimber Well	26.9	97	201+	N/A	Lowland cedar stand. Wet throughout.																																													
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39	4134 - Aspen, Spruce/Fir	Poletimber Well	7.1	71	81-110	N/A	Aspen and birch stand with some spruce and fir. Stand becomes wet the further south you go. Upper Black Creek flows just to the east of the stand.																																													
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40	500 - Water	Nonstocked	1.2		Unspecified	No																																														
41	4110 - Sugar Maple Association	Sawtimber Well	3.1	81	81-110	N/A	A nice M9 hardwood stand with a small drainage within it. Stand has some dying beech and decent cherry throughout as well.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
<b>42</b>	4130 - Aspen	Sawtimber Well	8.8	81	171-200	N/A	Heavy soiled ground with some aspen and a mix of spruce and fir. Access through private property or east through state.																																			
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<b>43</b>	122 - Road/Parking Lot	Nonstocked	2.1		Unspecified	No																																				
<b>44</b>	6230 - Cattail	Nonstocked	3.1		Unspecified	No	dried up beaver pond, could freeze, mainly cattails.																																			
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<b>45</b>	4130 - Aspen	Poletimber Well	14.4	47	81-110	N/A	Aspen fir stand with some maple. Western edge of the stand gets more wet.																																			
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<b>46</b>	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.6	101	81-110	N/A	Maple, cherry, and a very few scattered white pine in the stand.																																			
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<b>47</b>	4130 - Aspen	Sapling Well	26.3	31	51-80	N/A	Fully Stocked Aspen regeneration coming in.																																			
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<b>48</b>	4319 - Mixed Upland Forest	Poletimber Well	4.0	81	171-200	N/A	Small ridge with some wet ground.																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																									
<b>49</b>	42340 - Upland Spruce/Fir	Poletimber Well	28.8	71	141-170	N/A	Mixed spruce and fir stand with some larger aspen. Cedar throughout as well. Access through private is the best access.																									
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Canopy Species	% Cover	Size Class	DBH	Age																												
Northern White Cedar	20	Pole	6																													
Balsam Fir	29	Pole	7																													
Black Spruce	31	Pole	6	71																												
Bigtooth Aspen	20	Log	11																													
<b>50</b>	6124 - Lowland Spruce-Fir	Poletimber Well	61.1	97	111-140	N/A	Fairly small diameter stand and access is difficult.																									
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Canopy Species	% Cover	Size Class	DBH	Age																												
Paper Birch	10	Pole	4																													
Balsam Fir	20	Pole	4																													
Black Spruce	40	Pole	6	97																												
Northern White Cedar	30	Pole	5	97																												
<b>51</b>	4130 - Aspen	Sapling Well	36.9	39	51-80	N/A	Mixed aspen, spruce, and fir stand fully stocked.																									
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Canopy Species	% Cover	Size Class	DBH	Age																												
Bigtooth Aspen	95	Sapling/Pole	4	39																												
Balsam Fir	3	Sapling/Pole	4																													
Paper Birch	2	Sapling/Pole	4	33																												
<b>52</b>	6229 - Mixed lowland shrub	Nonstocked	7.7	0	Unspecified	No																										
<b>53</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	7.5	81	81-110	N/A	Hardwood stand remote access through private.																									
<b>54</b>	6120 - Lowland Cedar	Sawtimber Well	8.9	111	171-200	N/A	Areas of the stand have or had water from the beaver flooding adjacent to the stand. Mainly Cedar in the stand.																									
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<b>55</b>	6120 - Lowland Cedar	Sawtimber Well	200.4	115	171-200	N/A																										
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Black Spruce	10	Pole	6																													
<b>56</b>	500 - Water	Nonstocked	2.3		Unspecified	No																										



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
<b>57</b>	4130 - Aspen	Sapling Medium	18.1	8	Immature	N/A	Stand is thick with aspen, birch, balsam fir and some maple. Cedar and hemlock left scattered after harvest as well as some large white pine.																																																						
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Stand harvested as sale #42-012-14-01. Closed 06/27/2017.																																																													
<b>58</b>	4137 - Aspen, Birch	Sawtimber Well	10.5	62	81-110	N/A	Large steep ridge, operationally stand would be hard to cut. Dropped after last attempt to cut it. Aspen is beginning to die out.																																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td>5</td> <td>Pole</td> <td>8</td> <td></td> <td>Balsam Fir</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Paper Birch</td> <td>30</td> <td>Log</td> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>55</td> <td>Log/Pole</td> <td>14</td> <td>62</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>5</td> <td>Pole</td> <td>6</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log</td> <td>14</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Hemlock	5	Pole	8		Balsam Fir	Medium	5 - 10 feet	Sapling	Paper Birch	30	Log	10						Bigtooth Aspen	55	Log/Pole	14	62					Northern White Cedar	5	Pole	6						White Pine	5	Log	14					
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<b>59</b>	6112 - Lowland Aspen	Sapling Medium	12.8	6	Immature	N/A	Stand harvested as sale #42-012-14-01. Closed 06/27/2017. Stand filling in with cedar, aspen, maple, spruce.																																																						
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<b>60</b>	6229 - Mixed lowland shrub	Nonstocked	13.0		Unspecified	No																																																							
<b>61</b>	6120 - Lowland Cedar	Sawtimber Well	82.3	115	171-200	N/A																																																							
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<b>62</b>	6229 - Mixed lowland shrub	Nonstocked	1.2	0	Unspecified	No	Wet lowland shrub stand.																																																						
<b>63</b>	500 - Water	Nonstocked	2.3	0	Unspecified	No	stream flood plainly, active beavers																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>65</b>	4130 - Aspen	Sapling Well	9.8	39	51-80	N/A	Mixed aspen, spruce, and fir stand fully stocked.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	3	Sapling/Pole	4	
Bigtooth Aspen	95	Sapling/Pole	4	39
Paper Birch	2	Sapling/Pole	4	33