



# Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42106

Entry Year 2021

Acreage: 2,014

County Luce

Management Area: Tahquamenon Basin Wetlands

**Revision Date:** 2019-09-12

**Stand Examiner:** Matt Payment

## Legal Description:

T45N R10W Sec. 4-6, 9, 10, 12

T45N R11W Sec. 1-3

T46N R10W Sec. 31

T46N R11W Sec. 34-36

## Identified Planning Goals:

The main goal is to maintain, protect and enhance the wildlife habitat values associated with the compartment. Limited timber management will maintain or improve the forest health and productivity while simultaneously protecting the unique natural communities found within the compartment. Treatments prescribed will increase age class and structural diversity, ensure the sustainability of the forest resource and enhance the quality of the wildlife habitat within the area. Sensitive areas around the Tahquamenon River associated with the compartment will be protected.

## Soil and topography:

Lowland muck soils (Carbondale, Lupton and Tawas mucks and Markey mucky peat) dominate the compartment. Forested cover types on these lowland soils are mainly cedar, tamarack, swamp conifer, black spruce, treed bogs, tag alder and cat-tails. The upland soil types are mostly made up of Kalkaska/Kaks Complex (well drained soil) dominated by northern hardwood types while the Pickford, Rudyard, Sugar (clay soils) types are dominated by aspen, lowland hardwood, spruce and balsam. The topography of the compartment is primarily level with some rolling topography in the uplands.

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

The majority of compartment is continuous State ownership with private property bordering the south and State ownership bordering the north. The east end of the compartment contains isolated parcels of State ownership: Twin Lakes and Kaks Lake have small State owned parcels adjacent to them that each contain DNR boat access sites; there is a 35 acre parcel of State land in Section 4 which has an active gravel pit used by the DNR as a gravel source; there is a 40 acre parcel in Section 12 on the far east end of the compartment where the Newberry Field Office is located.

## Unique Natural Features:

Unique features of the compartment would be the watershed of the Tahquamenon River and its tributaries. Michigan Natural Features Inventory (MNFI) identified the occurrence osprey and eagle within the compartment. They also list the potential for Potential for great blue heron rookery, black-backed woodpecker, and spruce grouse. Potential for moose, wolf and loon. Potential for incurvate emerald, frigga fritillary, freija fritillary, and ebony boghaunter in boggy areas. Potential for wood turtle. The potential for sweet coltsfoot, Wiegand's sedge, northern prostrate clubmoss, fir clubmoss, English sundew, meadow beauty, round-leaved orchids, black crowberry, yellow pitcher plant, and panicked screwstem in bogs and open wetlands. Potential for calypso orchis, lapland buttercup, ram's head lady's slipper, round-leaved orchid and limestone oak fern in cedar swamps.

## Archeological, Historical, and Cultural Features:

The Bureau of History does not list any historical features within this compartment.

## Special Management Designations or Considerations:

Portions of this compartment are typically used by deer as a yarding area in winter months. When forest treatments occur, emphasis will be placed on maintaining the thermal cover while creating and improving the habitat.

## Watershed and Fisheries Considerations:

Fisheries Values: Good

Teaspoon Creek and all tributaries are designated trout streams downstream to the railroad crossing. Brook trout are stocked here annually and provides a great trout fishing opportunity close to a population center. Any treatments proposed in stands with aspen as a main component should utilize a 300 ft buffer along these creeks.

### **Wildlife Habitat Considerations:**

Compartment 106 lies in south central Luce County, is in the Seney Sand Lake Plain ecological sub-subsection and lies in the Tahquamenon Area Basin Wetlands Management Area and black bear, white-tailed deer, snowshoe hare and gray jay are featured species. The Teaspoon creek makes up a portion of the northern boundary and numerous drainages and creeks are dispersed throughout portions of the compartment. The vast majority of the compartment is inaccessible for harvest. The compartment is used heavily for recreation.

Wildlife values will be maintained by preserving intact cedar pockets in harvested stands. Nest and den trees, snags, and woody debris will be maintained in stands where they exist. Wildlife species potentially using this compartment include white-tailed deer, black bear, bobcat, gray wolf, coyote, fisher, marten, snowshoe hare and waterfowl.

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

Sections 4-6, 9-10, & 12, T45N-R10W and sections 1- 3, T45N-R11W and Section 31, T46N-R10W and sections 34-36, T46N-R11W, Luce County

Numerous active sand/gravel pits are located in the area, but sand & gravel development potential within the compartment may be limited due to the extent of wetlands. There is no history of mineral leasing in the compartment. There is no known potential for metallic minerals in this area, and no known potential exists economic hydrocarbon production in the UP. The state does not own all mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

### **Vehicle Access:**

The majority of this compartment is inaccessible to vehicle traffic due to the low ground nature of the area, proximity to various creeks and the railroad grade along the north boundary. There are some old logging roads in the lowland areas that are still evident in places but most are grown shut and now abandoned. There are some two tracks on private land that offer limited access into the compartment.

### **Survey Needs:**

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

Kaks Lake and Twin Lakes each have DNR boat access sites. Recreational opportunities in and near this compartment would be hunting, fishing, trapping and wildlife viewing.

### **Fire Protection:**

Large fire runs are not likely because of the swamp conifer and hardwood fuel types, which make the risk to private properties low. Heavy wheeled equipment access is limited to a couple of pieces of land on the east part of the compartment, which limits fire suppression activities in the rest of the compartment.

### **Additional Compartment Information:**

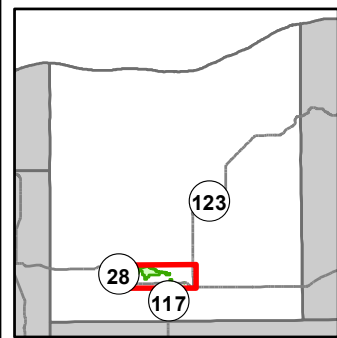
#### **The following reports from the Inventory are attached:**

- 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:**

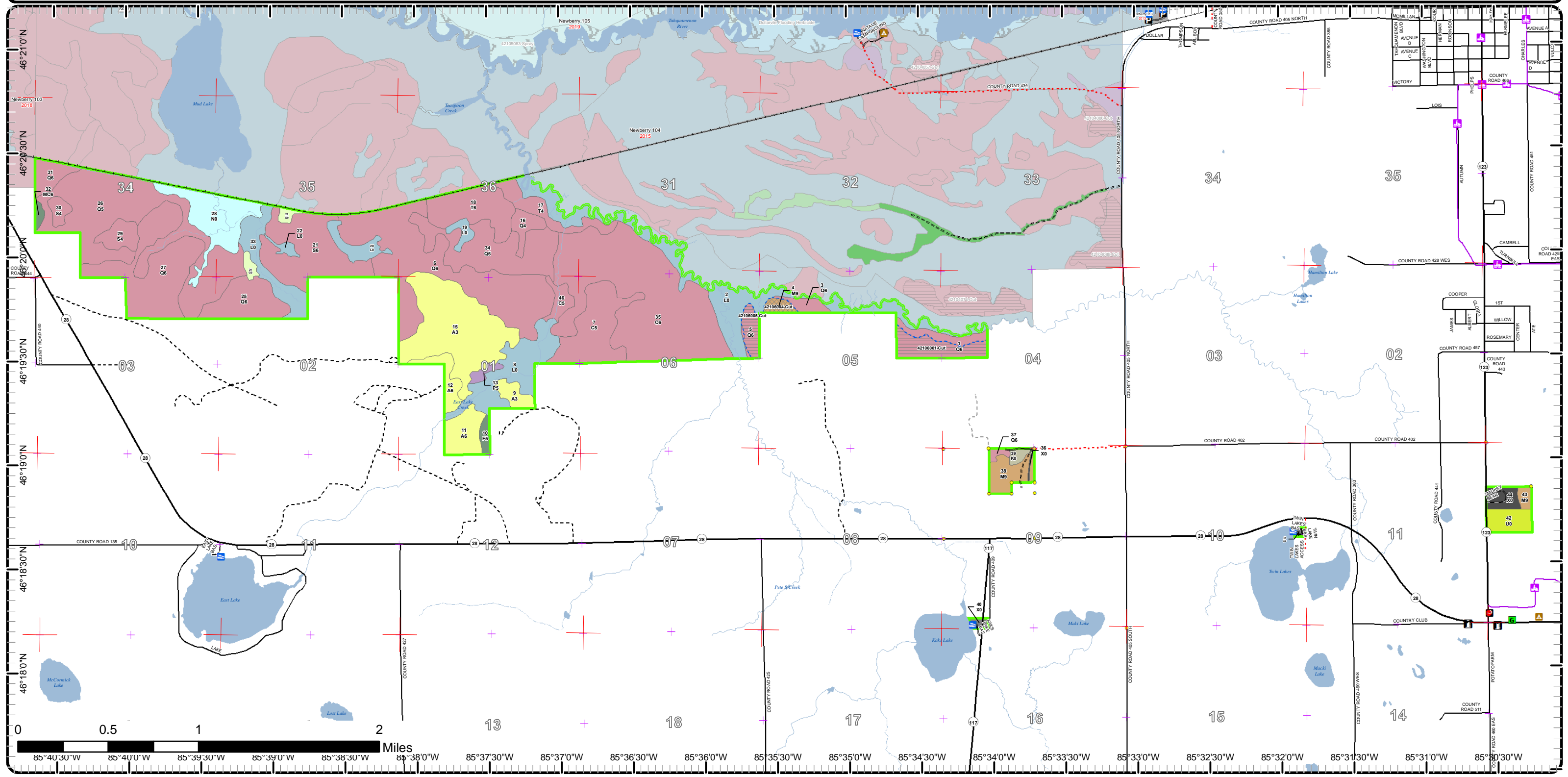
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

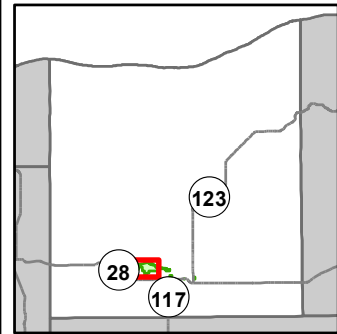


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 County: Luce  
 Unit: Newberry  
 Mgmt Area: Tahquamenon Basin  
 Wetlands  
 YOE: 2021  
 Acres: 2,014 GIS Calculated  
 Examiner: Matt Payment  
 Map Revised: 12/19/2019

- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- - - Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- == DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- - - Federal / State - Dirt / Gravel Road
- . - . County - Gravel Road
- - - Private - Dirt / Gravel Road
- Active Railroads
- Snowmobile Trails
- Designated Snowmobile Trails
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- Gate
- Boating Access Site
- Campground
- Parking Lot
- Sign
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 123 - Other High Intensity Urban
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 720 - Exposed Rock

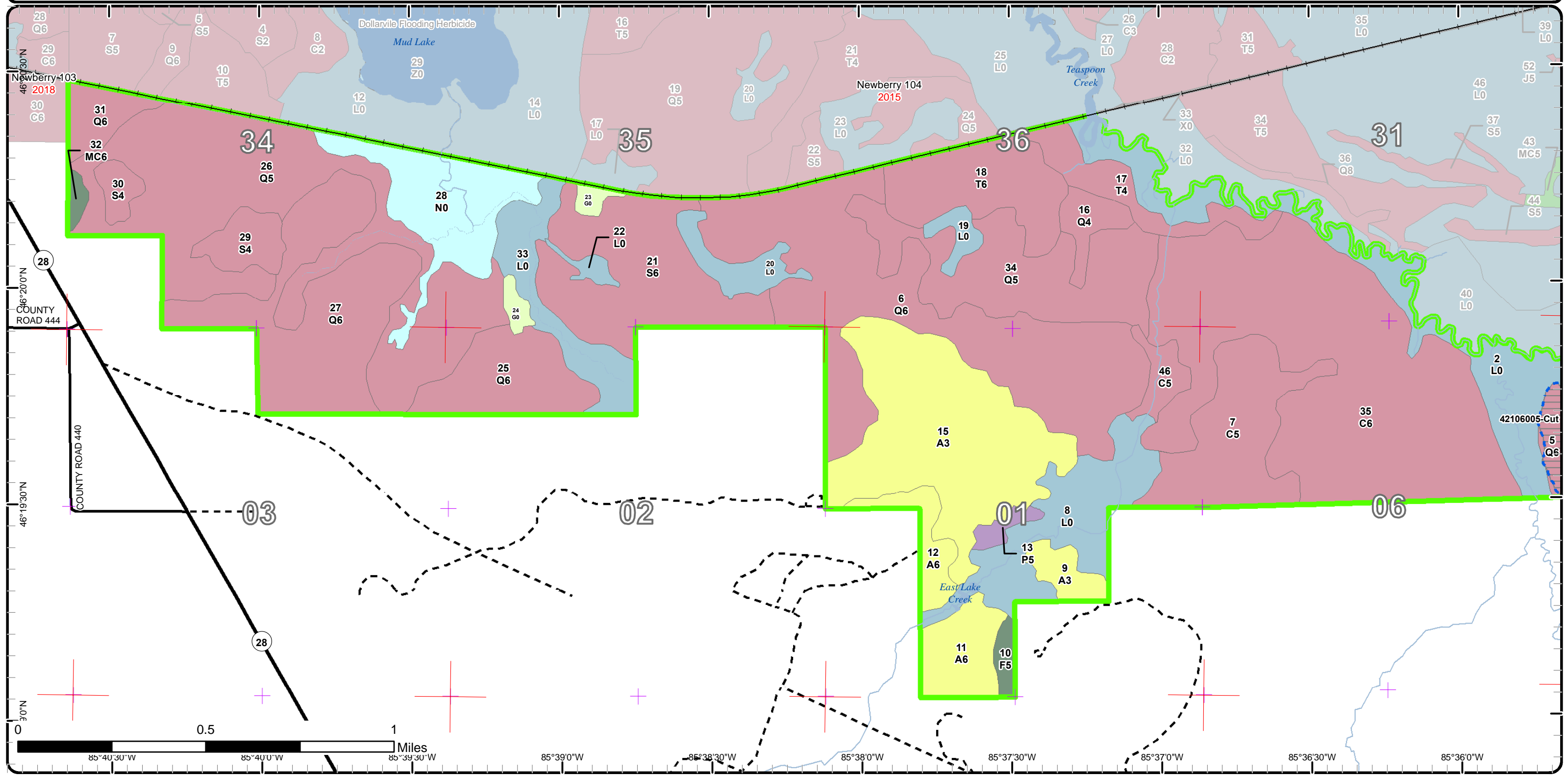


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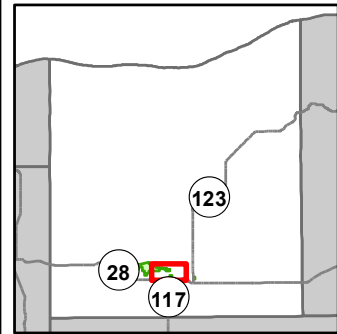


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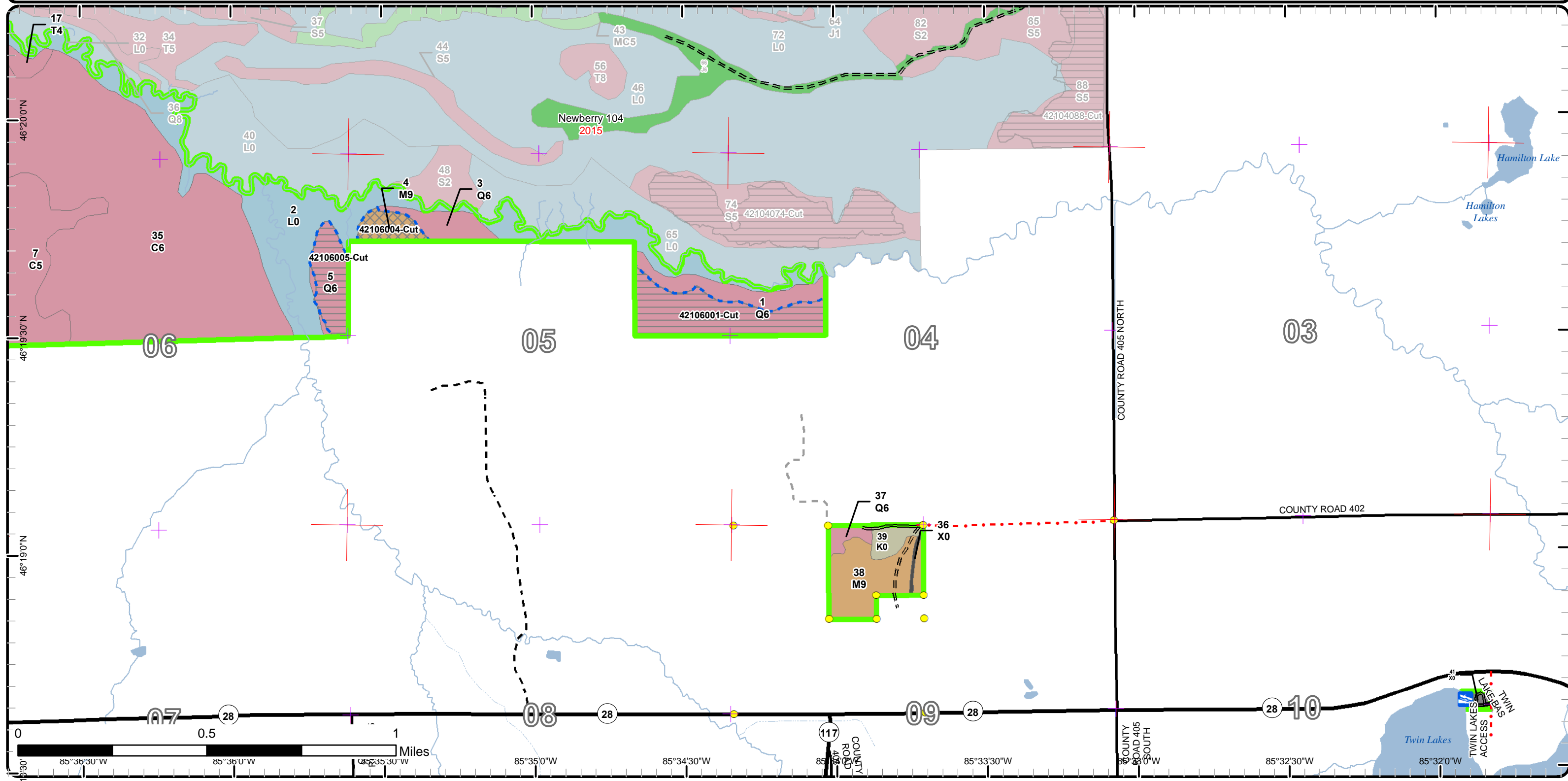


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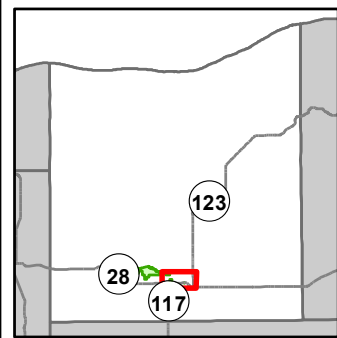
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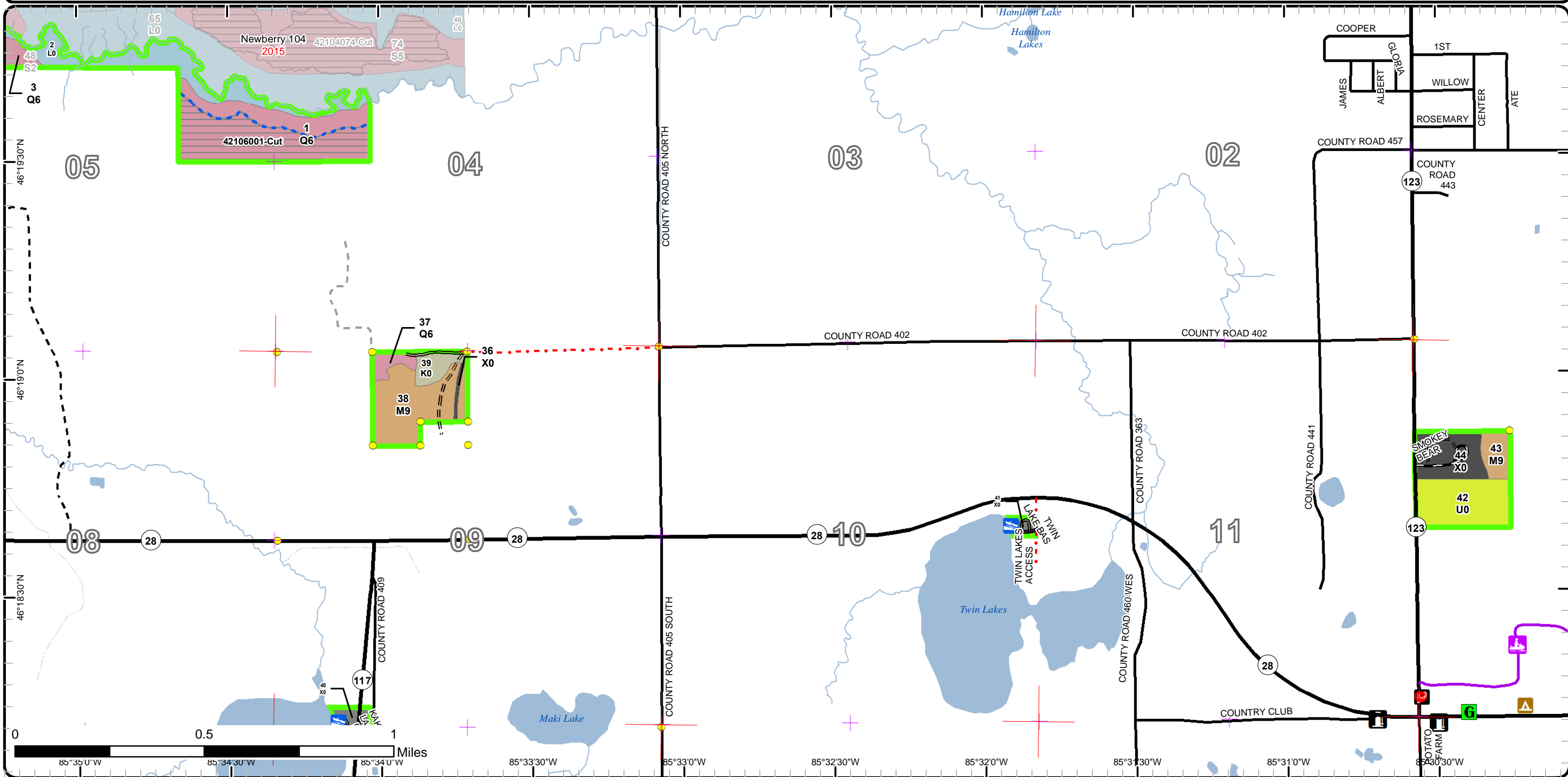


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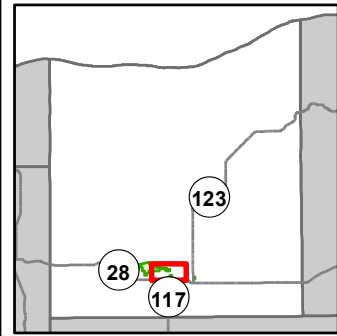




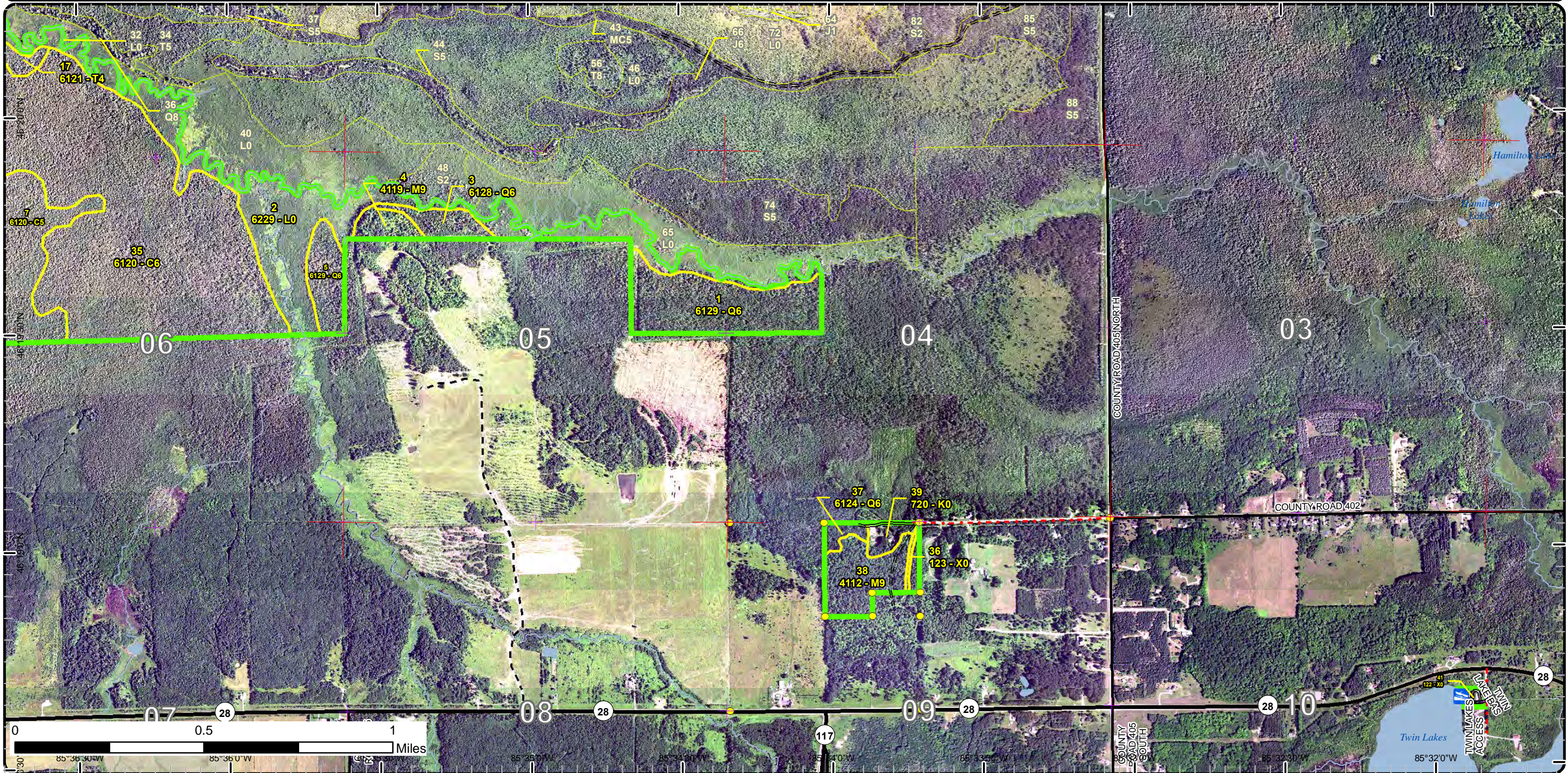


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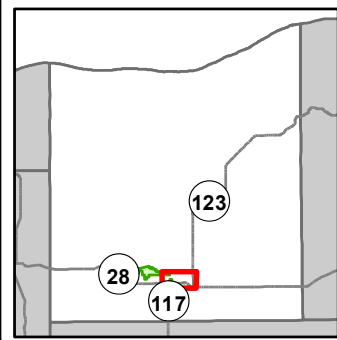
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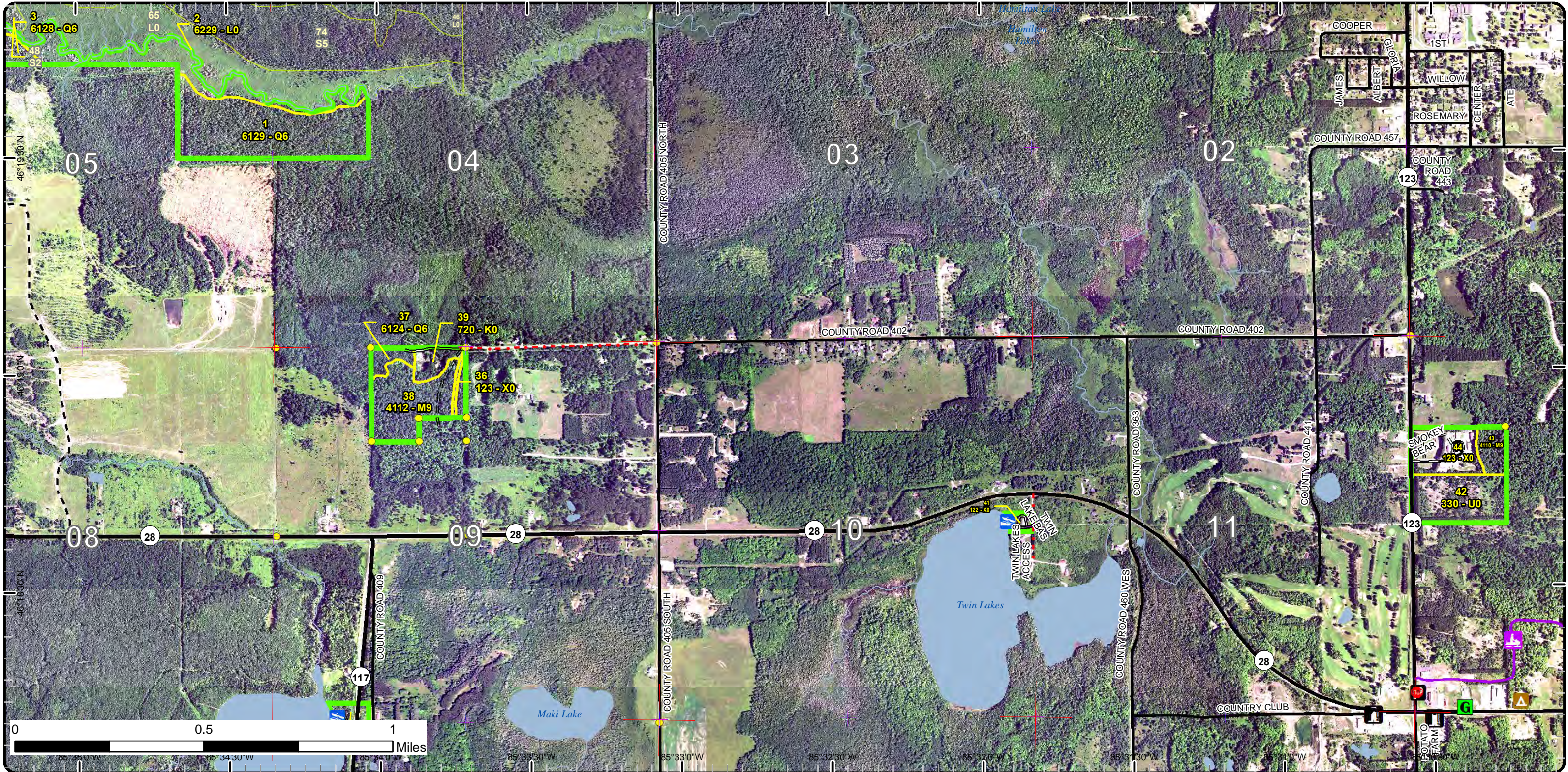


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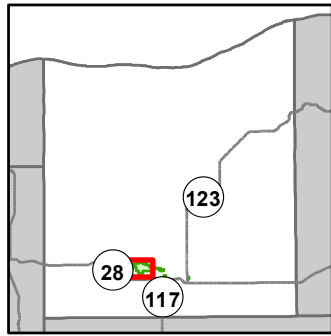
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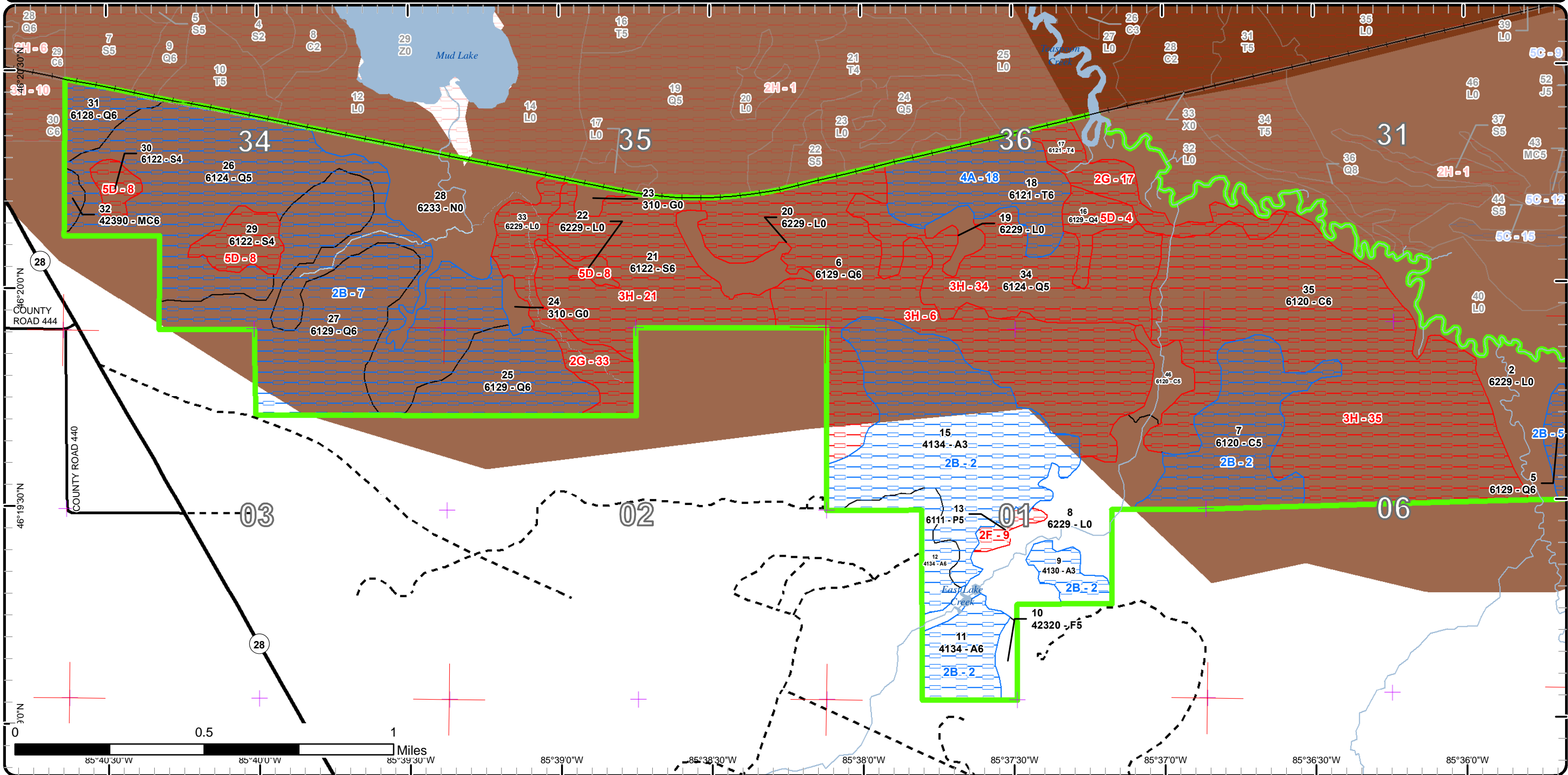


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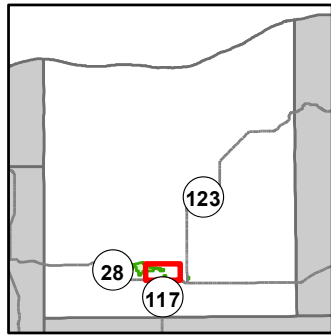
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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 4A: No Markets Available for these Forest Products
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 5D: Unproductive Forest Land
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range
- Wildlife Management Areas



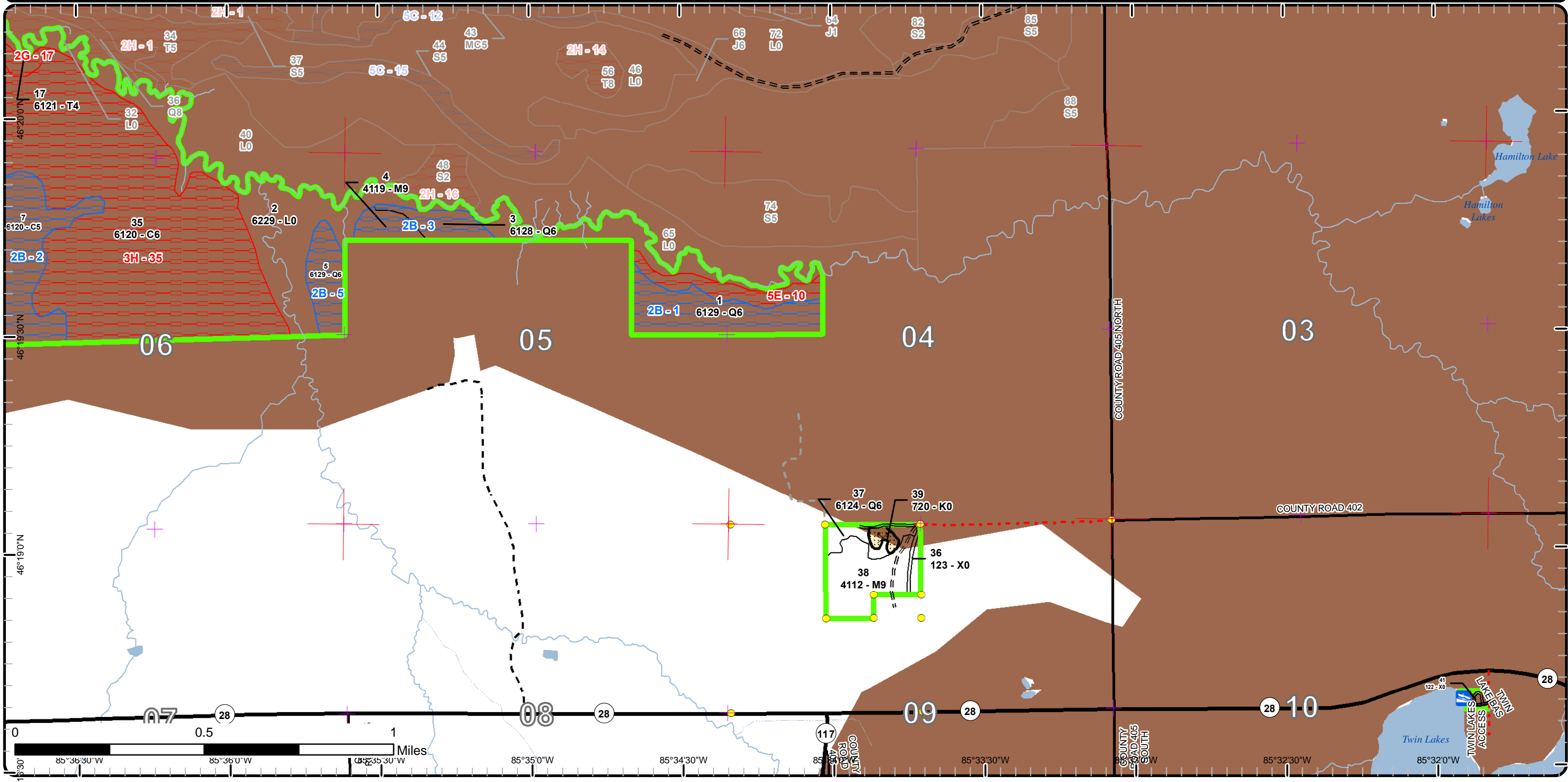


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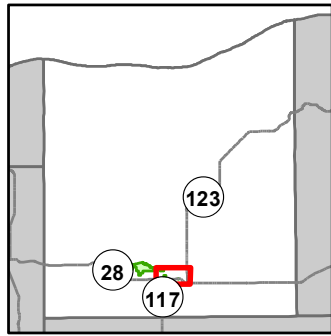
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- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range
- Sand or Gravel Pit
- Sand or Gravel Pit



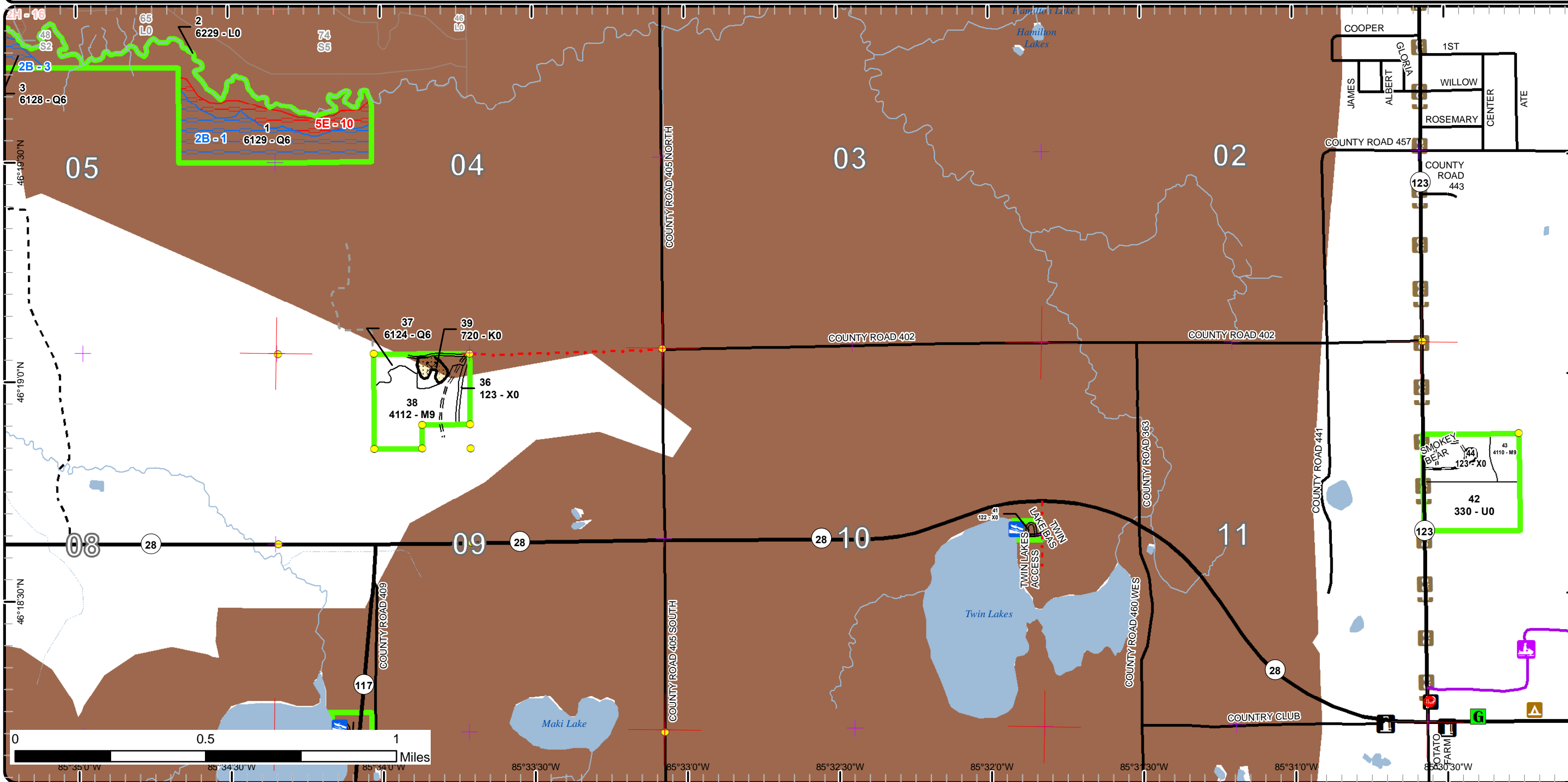


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- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- State Heritage Routes-Scenic (MDOT Designation)
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range
- Sand or Gravel Pit
- Sand or Gravel Pit





Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	159	30	0	19	0	0	0	0	0	0	0	0	0	0	0	208
Cedar	0	0	0	0	0	0	0	0	86	0	0	0	279	0	0	0	0	0	365
Exposed Rock	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Low-Density Trees	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Conifers	0	0	0	0	0	4	0	0	0	410	0	105	266	0	0	0	0	0	784
Lowland Shrub	262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	262
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	28	0	0	0	100	0	0	0	0	0	128
Marsh	65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	65
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	38
Tamarack	0	0	0	0	0	0	0	0	0	0	0	60	31	0	0	0	0	0	91
Upland Conifers	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Upland Spruce/Fir	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Urban	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
<b>Total</b>	<b>383</b>	<b>0</b>	<b>0</b>	<b>159</b>	<b>37</b>	<b>4</b>	<b>29</b>	<b>0</b>	<b>114</b>	<b>410</b>	<b>0</b>	<b>165</b>	<b>676</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>	<b>2013</b>





## Report 2 – Treatment Summary

**Newberry Mgt. Unit**  
**Year of Entry: 2021**

**Acres of Harvest**

**Compartment 106**  
**Total Compartment Acres: 2,014**

Commercial Harvest -  
 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
Lowland Conifers	48	0	0	0	0	0	0	0	0	48
Northern Hardwood	0	8	0	0	0	0	0	0	0	8
<b>Total</b>	<b>48</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>56</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	56	0	0	0	0	0	0	0	0	56
Next Step	0	0	0	0	0	0	56	0	0	56
<b>Total</b>	<b>56</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>56</b>	<b>0</b>	<b>0</b>	<b>111</b>





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

<b>1</b>	<b>42106001-Cut</b>	33.5	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	111	111- 140	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut all species present. Retain 3-5% in form of retention pocket(s). Buffer 300ft already in place. Leave any hemlock if present. Leave all cedar on landscape, and where cedar density precludes cutting of other species, leave as a retention pocket. Also, leave sub-merchantable pockets of balsam fir. Single tree scattered cedar may be cut. Some cedar may need to be cut for maneuverability.</p> <p><u>Specs:</u></p> <p>Winter cut unless otherwise agreed upon.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> lowland coniferous</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 /2020</p>											
<b>4</b>	<b>42106004-Cut</b>	7.7	4119 - Mixed Northern Hardwoods	Sawtimber Well	107	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	No
<p><u>Prescription</u> Mark hardwood stand 80-110BA. Mark some aspen to cut as well. Not removing it all due to the teaspoon creek and beaver issues that may arise.</p> <p><u>Specs:</u></p> <p>Leave all hemlock if present. Winter cut unless otherwise agreed upon.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> mixed hardwoods</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 /2020</p>											
<b>5</b>	<b>42106005-Cut</b>	14.5	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	119	81-110	Harvest	Clearcut	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut stand. 300ft buffer along Carlson Creek has been built into the treatment.</p> <p><u>Specs:</u></p> <p>Leave any hemlock if present. Leave all cedar on landscape, and where cedar density precludes cutting of other species, leave as a retention pocket. Also, leave sub-merchantable pockets of balsam fir. Single tree scattered cedar may be cut.</p> <p>Winter cut unless agreed upon.</p> <p>Acreage may change after sale prep.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> mixed lowland coniferous.</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 /2020</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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Total Treatment  
Acreage Proposed: 55.7



## Report 4 – Site Conditions

Newberry Mgt. Unit  
Matt Payment : Examiner

Compartment: 106  
Year of Entry: 2021



### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions									
		With Condition			2B	4A	2F	2G	2H	3H	5D	5E		
208	0	<b>208</b>	0	Aspen	<b>208</b>									
366	12	<b>74</b>	279	Cedar	<b>74</b>			0			279			
5	5	<b>0</b>	0	Exposed Rock										
9	9	<b>0</b>	0	Herbaceous Openland				0	0	0				
21	21	<b>0</b>	0	Low-Density Trees										
6	0	<b>0</b>	6	Lowland Aspen/Balsam Poplar			6							
784	4	<b>454</b>	325	Lowland Conifers	<b>454</b>	<b>0</b>		0	0	297	15	14		
262	216	<b>0</b>	46	Lowland Shrub	<b>0</b>	<b>0</b>		42	0	0	5			
128	0	<b>0</b>	128	Lowland Spruce/Fir				0	0	100	28			
65	65	<b>0</b>	0	Marsh				0	0					
38	31	<b>8</b>	0	Northern Hardwood	<b>8</b>									
91	0	<b>60</b>	31	Tamarack		<b>60</b>		31	0	0				
4	0	<b>4</b>	0	Upland Conifers	<b>4</b>									
6	6	<b>0</b>	0	Upland Spruce/Fir										
21	21	<b>0</b>	0	Urban										
2,014	391	<b>808</b>	815	Total Forested Acres	<b>748</b>	<b>60</b>	6	72	0	676	47	14		
	19%	<b>40%</b>	40%	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	Available	2B: Unknown if access through adjacent landowner(s) is possible	34	2I: Survey needed	2E: Road needed	Unspecified	Unspecified
<b>Comments:</b>							
2	Available	2B: Unknown if access through adjacent landowner(s) is possible	282	2I: Survey needed	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified
<b>Comments:</b> Evaluated for SBW.							



## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

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3	<b>Available</b>	2B: Unknown if access through adjacent landowner(s) is possible	18	2I: Survey needed	2E: Road needed	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	5D: Unproductive Forest Land	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Available</b>	2B: Unknown if access through adjacent landowner(s) is possible	16	2I: Survey needed	2E: Road needed	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	203	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Available</b>	2B: Unknown if access through adjacent landowner(s) is possible	399	2I: Survey needed	2E: Road needed	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	5D: Unproductive Forest Land	32	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

Compartment: 106  
 Year of Entry: 2021



9	Unavailable	2F: Too steep	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	Unavailable	5E: Long-Term Retention	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	31	4A: No Markets Available for these Forest Products	3G: Other Influence zones - See comments	Unspecified	Unspecified
<b>Comments:</b>							
18	Available	4A: No Markets Available for these Forest Products	60	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
21	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	100	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
33	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	42	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

**Newberry Mgt. Unit**  
**Matt Payment : Examiner**

**Compartment: 106**  
**Year of Entry: 2021**



34	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	95	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
35	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	279	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
<b>Comments</b>				

**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>
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.
SCA	Visual Management Area	An area of general social appreciation that is managed to recognize and preserve a particular visual value. Examples of these areas include scenic vistas, scenic or natural beauty roads, and lakeshore areas.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
1	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	47.9	111	111-140	N/A	Deer ranch to the southwest with a 10' fence. Currently no road through PVT property to access this stand. Would need private property owners permission to access stand. Survey work would need to be done to verify and establish corner control. Stand consists of black spruce, tamarack, and cedar. Balsam is scattered and mainly in the understory.																																						
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2	6229 - Mixed lowland shrub	Nonstocked	120.3		Unspecified	No	Lowland brush/tag alder. Cattails throughout parts of stand. Teaspoon Creek																																						
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3	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	9.9	100	111-140	N/A	Deer ranch to the south with a 10' fence. Currently no road through PVT property to access this stand. Would need private property owners permission to access stand. Stand is along Teaspoon Creek. After buffering creek sand size would be too small to pursue harvest. Survey Needs also needed.																																						
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4	4119 - Mixed Northern Hardwoods	Sawtimber Well	7.7	107	111-140	N/A	Stand consists of sugar maple and mixed species of other hardwoods. Decent quality with some top die back present in stand. Deer ranch to the south with a 10' fence. Currently no road through PVT property to access this stand. Would need private property owners permission to access stand. Survey Needs. Stand is along Teaspoon Creek.																																						
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5	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	15.6	119	81-110	N/A	Stand is mainly tamarack, cedar and black spruce. Older stand needs to be harvested trees in decline due to age and blow down. Deer ranch to the south with a 10' fence. Currently no road through PVT property to access this stand. Would need private property owners permission to access stand. Stand is along Carlson Creek. Survey Needs.																																						
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6	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	202.7	117	81-110	N/A	Stand is variable with density. Some pure pockets of cedar, with some decent spruce and balsam in here as well. There are pockets of sub-merchatable timber scattered throughout stand. Birch present in places. Overall timber quality in this stand is not great, a lot of 1 stick trees mixed amongst the decent ones. No deer present when in stand. Stand is in deer yard. Regen is thick in many places with mostly conifer species. East Creek of the east side of the stand.																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																	
7	6120 - Lowland Cedar	Poletimber Medium	73.8	78	51-80	N/A	Cedar/Q type, tag alder brush present throughout in understory. East Creek west side of stand. Stand is in the deer yard, no deer were present when in the stand. Low wet ground in areas in the stand Evidence of old ice roads throughout the stand. Last inventory comments say the stand was cut over in 1940-43. Some residual was left. Stand is regenerating to Q types. Lowland brush throughout. Tamarack showing signs of Larch Beetle minor defoliation.																																	
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8	6229 - Mixed lowland shrub	Nonstocked	70.2		Unspecified	No	Lowland brush/marsh. Areas of stand historically flooded out by past beaver activity. Tag alder brush in most areas of stand. East Lake Creek flows through stand.																																	
9	4130 - Aspen	Sapling Well	13.7	28	Immature	N/A	Stand was harvested in 1991; t.sale#011-91. Aspen are now 3-8" DBH 20-40' tall, some trees just coming into pole size. Balsam fir in understory in places. Clay type soils.																																	
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10	42320 - Upland Spruce	Poletimber Medium	6.5	35	51-80	N/A	Stand is a result of T.sale#041-82 (cut in 1982). Comments say the sale was closed but the logger left a residual BA of aspen. Stand is now a mix of young and old aspen, spruce and balsam. Young aspen is straight and tall. Hold stand another 10-20 years to let trees get larger. Some lowland poplar present. Access through private.																																	
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11	4134 - Aspen, Spruce/Fir	Poletimber Well	30.3	35	51-80	N/A	Stand is a result of T.sale#041-82 (cut in 1982). Comments say the sale was closed but the logger left a residual BA of aspen. Stand is now a mix of young and old aspen, older aspen is 12"+ DBH and younger aspen is 4-8"DBH and makes up most of the BA. Young aspen is straight and tall. Balsam fir and spruce scattered throughout. Hold stand another 10-20 years to let trees get larger. Some lowland poplar present.																																	
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12	4134 - Aspen, Spruce/Fir	Poletimber Well	18.9	51	81-110	N/A	Stand is a mix of young and old aspen, older aspen is 12"+ DBH and younger aspen is 6-8"DBH and makes up most of the BA. Young aspen is straight and tall. Balsam fir and spruce scattered throughout. Some lowland poplar present. Clay soils. Evaluated for Forest Health Concerns 5F. Hold for 10-20 years unless Forest Health becomes a concern.																																	
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13	6111 - Lowland Balsam Poplar	Poletimber Medium	5.6	54	1-50	N/A	Stand is in seasonally wet ground, clay soils. Stand is a fringe that was left against the adjacent lowland (stand 8). Evidence of past beaver activity. Slight Ridge dropping down into lower ground.																																	
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<b>15</b>	4134 - Aspen, Spruce/Fir	Sapling Well	145.1	26	Immature	N/A	Stand is the result of three separate timber sales that were completed about the same time; T.sale #007-93, t.sale #025-92-01 and t.sale #018-91. Stand is now thick aspen regen with some balsam fir in the understory. Aspen is 4-6" DBH 20-40' tall, just coming into pole size in some areas. Access is through Private property to the south.																														
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<b>16</b>	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	14.6	80	51-80	N/A																															
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<b>17</b>	6121 - Tamarack	Poletimber Poor	30.8	117	1-50	N/A	Tamarack stand that is now mostly dead, all it is now is mostly standing snags. Eastern Larch Beetle was in this area 15 years ago and looks to have killed many trees in this stand. Trees are somewhat suppressed due to low ground, trees are ~4-8" dbh and like flagpoles. Some cedar seedlings on the ground along with lowland brush. Tamarack is a bit healthier on the south end of stand. Borders Teaspoon Creek.																														
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<b>18</b>	6121 - Tamarack	Poletimber Well	59.9	106	51-80	N/A	Stand is a mix of lowland conifers dominated by tamarack. Some mortality in the tamarack. Variable size classes, many sub-merchantable trees throughout stand. Cedar is short and stunted. Regen is thick throughout most of stand, cedar, spruce, tamarack and balsam. Older trees throughout in all species. Stand is probably all that it will ever be.																														
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<b>19</b>	6229 - Mixed lowland shrub	Nonstocked	8.1	0	Unspecified	No	Low wet stand with shrubs and scattered black spruce, and tamarack. Basal areas are low along with the diameter of the trees in the stand. Site condition for non productive would fit this stand.																														
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<b>20</b>	6229 - Mixed lowland shrub	Nonstocked	17.6		Unspecified	No	Lowland mixed shrubs with areas of open water. Some small scattered seedlings along stand edges.																														
<b>21</b>	6122 - Black Spruce	Poletimber Well	99.9	116	51-80	N/A	Variable stand. Some areas of decent timber. Stand is mostly a mix of spruce, cedar and tamarack. Areas of sub-merchantable timber. Reproduction is somewhat variable but is dense in most places. The timber quality drops off where it is adjacent to lowland types. Stand is in the deer yard. Small drainage runs through the stand.																														
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22	6229 - Mixed lowland shrub	Nonstocked	4.6		Unspecified	No	Treed bog/Marsh type. Suppressed cedar, tamarack and spruce.																																		
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23	310 - Herbaceous Openland	Nonstocked	4.5		Unspecified	No	Open area, grasses, various plants and scattered brush.																																		
24	310 - Herbaceous Openland	Nonstocked	4.8		Unspecified	No	Open grassland with some scattered seedling and trees around edges of stand. Some indication of water.																																		
25	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	51.3	82	81-110	N/A	Stand is a mix of lowland conifers. Some pockets of almost pure cedar scattered throughout. Many sub-merchantable trees throughout. Evidence of old ice roads through stand. Quality of timber diminishes as you near stand edges. The stand falls in the deer yard. Access through private property would be the easiest.																																		
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26	6124 - Lowland Spruce-Fir	Poletimber Medium	203.9	82	1-50	N/A	Stand of lowland conifers, many areas of stand with sub-merchantable timber. Spruce, tamarack and cedar reproduction throughout, thick in places. Some balsam fir present. Scattered taller tamarack and spruce but most is 1-2 sticks tall if merchantable.																																		
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27	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	120.9	82	81-110	N/A	Stand is a mix of lowland conifers. Some pockets of almost pure cedar scattered throughout. Many sub-merchantable trees throughout. Multiple drainages throughout with some rolling topography on the south eastern side of the stand. Old ice roads through the stand. Access though private. Falls in deer yard. Needs survey work. Appears to have springs in a few places in the stand as well.																																		
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28	6233 - Wet Meadow	Nonstocked	65.1		Unspecified	No	Stand is mostly marsh-like. Edges have very small/suppressed trees, many of which are dead snags. Some seedlings of cedar and tamarack present along edges of stand. Cat-tails and brush species across stand.																																		
29	6122 - Black Spruce	Poletimber Poor	18.6	70	1-50	N/A	Small diameter trees mainly black spruce and cedar. Stand is wet and unproductive.																																		
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<b>30</b>	6122 - Black Spruce	Poletimber Poor	9.1	70	1-50	N/A	Low density trees with some wet areas. Unproductive forest land. Old ice roads through stand.																																				
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<b>31</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	18.8	82	81-110	N/A	Decent stand of lowland conifers. Mainly cedar, spruce, and tamarack with some BAM and paper birch present. There is a flowing creek just west of stand on PVT land that flows north to the tracks and then east along the tracks towards Mud Lake. If harvest was pursued Survey Corners would be needed.																																				
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<b>32</b>	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	4.1	57	51-80	N/A	Stand has smaller diameters of cedar, spruce, and tamarack with some balsam fir and balsam poplar coming in. Stand was possibly cut for deer habitat improvement ~50 years ago.																																				
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<b>33</b>	6229 - Mixed lowland shrub	Nonstocked	41.6	0	Unspecified	No	Lowland Cedar, spruce and tamarack surrounding drainages. Trees are stunted, many dead ones. Moving water throughout stand.																																				
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<b>34</b>	6124 - Lowland Spruce-Fir	Poletimber Medium	94.5	106	1-50	N/A	Portions of this stand were treated in the late 60's early 70's for deer habitat improvement. The cedar was hand cut by crews. Stand is now variable with density and size. Mostly lowland conifer species of lower quality. Several areas in stand where the timber is sub-merchantable with thick regen. Trees are not very big in here even at older ages. Low with wet/mucky ground. Falls in deer yard, no deer present when in stand.																																				
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<b>35</b>	6120 - Lowland Cedar	Poletimber Well	279.3	117	111-140	N/A	Stand is largely cedar varying in sizes throughout. Spruce, tamarack and some balsam poplar present as well. Small drainages travel through the stand. Stand falls in the deer yard. Access would be easiest from the west through private property. Stand falls along Carlson Creek and Teaspoon Creek.																																				
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<b>36</b>	123 - Other High Intensity Urban	Nonstocked	1.0		Unspecified	No	Powerline R.O.W. serving the Radio Tower nearby.																																				





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
<b>37</b>	6124 - Lowland Spruce-Fir	Poletimber Well	3.8	49	51-80	N/A	Stand is mostly lowland conifers consisting of cedar, spruce and balsam. Aspen on the fringes of the stand against the hardwoods.																																					
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<b>38</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	24.8	107	51-80	N/A	Decent quality sugar maple, stand has not been treated for some time. 5 acre tower site in the SE corner of the stand would need to be surveyed out if treated. Powerline to contend with as well if treated. Hemlock scattered in the SW corner of stand. SW corner of stand has smaller timber. Blue line has been run on the south edge of this 40 along the PVT land as well as on the east side where there is now a subdivision being developed. Stand harvested via selection harvest as sale #002-11-01, Compartment 106 Hardwoods. Completed 04/30/2012. Regeneration check needed in 2016.																																					
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<b>39</b>	720 - Exposed Rock	Nonstocked	5.2		Unspecified	No	A gravel pit actively used by the DNR. The DNR purchased the land in 1989 with purpose of having a gravel source for road projects on state land. There was a clearcut around the original pit in 1998 to expand the pit. Tsale#015-98-02.																																					
<b>40</b>	122 - Road/Parking Lot	Nonstocked	3.4		Unspecified	No	Kaks Lake Public Water Access Site. Site is actively managed by the Parks and Rec Division.																																					
<b>41</b>	122 - Road/Parking Lot	Nonstocked	2.1		Unspecified	No	Twin Lakes Public Water Access Site. Site is actively managed by the Parks and Rec Division.																																					
<b>42</b>	330 - Low-Density Trees	Nonstocked	20.6		Unspecified	No	2009 - This '20' was recently purchased by the DNR. Land is currently a vacant opening that is filling in with trees. Scotch pine seedlings/saplings are beginning to fill in the opening. Aspen, cherry brush, red pine and white pine seedlings/saplings present as well. Most trees are bushy and open grown. At the compartment review it was suggested to plant this 20 acres parcel with red pine. After discussion it was agreed upon to plant red pine as long as LED would approve being that they found the funding to purchase the land with possible plans in the future of establishing a shooting range.																																					
<b>43</b>	4110 - Sugar Maple Association	Sawtimber Well	5.8	117	81-110	N/A	Hardwood stand next to the Newberry Field Station Facility. Hardwood is of very nice quality. A survey is needed to determine the east boundary line. 99=04,49  Stand harvested via selection harvest as sale #002-11-01, Compartment 106 Hardwoods. Completed 04/30/2012.																																					
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<b>44</b>	123 - Other High Intensity Urban	Nonstocked	14.6		Unspecified	No	Location of the DNR Newberry Field Station. Multiple Divisions have buildings/facilities here.																																					



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<b>46</b>	6120 - Lowland Cedar	Poletimber Medium	12.5	78	51-80	N/A	Cedar/Q type, tag alder brush present throughout in understory. East Creek west side of stand. Stand is in the deer yard, no deer were present when in the stand. Low wet ground in areas in the stand Evidence of old ice roads throughout the stand. Last inventory comments say the stand was cut over in 1940-43. Some residual was left. Stand is regenerating to Q types. Lowland brush throughout. Tamarack showing signs of Larch Beetle minor defoliation.			
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