



# Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42102

Entry Year 2023

Acreage: 2,005

County Luce

Management Area: 8 Mile Corner

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**Revision Date:** 2021-12-29

**Stand Examiner:** Matt Payment

**Legal Description:**

T46N R11W Sections 1-3, 11-13

**Identified Planning Goals:**

Maintain or enhance the forest health, productivity, and diversity of the area through proper management. Treatments prescribed will help ensure the sustainability of the forest resource, enhance age class diversity in the main forest cover types and continue to improve the quality of the wildlife habitat. Aspen management will continue with the current sustainable level of management to promote both age class and structural diversity.

**Soil and topography:**

The majority of the compartment is upland. These areas are dominated by three soil types; Kalkaska sand, Kalkaska sand (burned), and Wallace sand, with lesser areas of Paquin sand, Wallace-Spot complex, Paquin-Spot complex. These upland soils support cover types of aspen, northern hardwoods, upland spruce/fir, some red pine plantations and natural white pine stands. Lower areas are dominated by Spot-Finch soil complex, Spot peat, Carbondale, Lupton and Tawas mucks and Dawson, Greenwood and Loxley peats. These lowland soils support lowland aspen and birch, lowland black spruce, cedar, and lowland brush types and bogs. Several drainages supporting beaver ponds/floodings are found throughout the compartment. The terrain throughout the compartment is level to slightly rolling.

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

The compartment is entirely State owned. The compartment is bordered to the north and east by State land. Adjacent to the west are two large private land ownerships; Heartwood Forestland Fund IV and Escanaba Timberland Holding 1. To the south are a number of small nonindustrial private landowners. Development around the area is low. There are several small camps within the vicinity of the compartment which are primarily used during hunting season. The main types of land use of the area are hunting, fishing, snowmobile and ORV riding, berry picking, wildlife viewing and timber production.

**Unique Natural Features:**

MNFI lists the potential for rare plants of rich mesic forests: assiniboia sedge, showy orchis, ginseng, and goblin fern. Potential for rare plants of marshes and shallow lakes including Farwell's water-milfoil, alga pondweed, Wiegand's sedge, and autumnal water star-wort. Potential for eagle, osprey, great blue heron, red-shouldered hawk, and goshawk. Potential for loon on lakes. Potential for incurvate emerald, ebony boghaunter, Frigga fritillary and Freija fritillary in open portions of treed bogs.

**Archeological, Historical, and Cultural Features:**

None Known

**Special Management Designations or Considerations:**

None

**Watershed and Fisheries Considerations:**

This compartment contains Silver Creek a coldwater stream that supports brook trout and Brockies Pond gets stocked with brook trout. Silver Creek is a designated trout stream and is less than 50 ft in width. In stands along Silver Creek where Aspen is a major component, to discourage beaver activity a 300 ft buffer should be adhered to..

**Wildlife Habitat Considerations:**

Compartment 102 lies in central Luce county in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection and the Eight Mile Corner Management Area with ruffed grouse, blackburnian warbler, white-tailed deer and pileated woodpecker are featured species. The compartment is quite variable with a large component of aspen and northern hardwoods and a smaller component of red and white pine, mixed conifer and hemlock. Silver creek runs through the compartment and serves as an excellent wildlife travel corridor. Several small lakes exist in the compartment.

Hemlock will be left in thinnings to provide structural diversity and habitat for blackburnian warbler (featured species),

black bear refuge trees, fisher and marten resting and hunting sites, and nest trees for hawks. Mature aspen will be left in borders of aspen stands to provide future den and nest trees for cavity nesters such as the pileated woodpecker (featured species), food sources for ruffed grouse (featured species), cedar waxwings, redpolls and grosbeaks. Snowshoe hare habitat will be improved in lowland stands by creating hinge cut brush piles.

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

Sections 1-3 & 11-13, T46N-R11W, Luce County

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. The nearest active sand/gravel pit is less than four miles to the southeast. There may be some limited potential for sand & gravel within the compartment on the uplands. No current mineral leasing activity exists in the area.

### **Vehicle Access:**

Located 9 miles northwest of Newberry, primary access from the north is via County Road 426. Silver Creek Road and Camp 6 Road, maintained forest roads, as well as a network of lesser forest roads (two track dirt roads) transect the compartment providing ample vehicle access. Access can also be gained via the designated ORV (ATV) trail which runs through the compartment. Several abandoned/closed roads used for past timber sales are also found throughout the area.

### **Survey Needs:**

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

: Recreational facilities within the compartment would include the Silver Creek ORV (ATV) Trail as well as Brockies Trout Pond, a maintained trout fishing designation. Designated snowmobile trails #9 and #498 both run just outside of the compartment boundary. These are well used snowmobile trails and experience heavy snowmobile traffic. This area is used heavily for deer and bear hunting. Other recreational opportunities within the area include grouse hunting and berry picking.

### **Fire Protection:**

The potential for large fire growth in this compartment is low because of the low acres of conifer types and the fragmentation by lakes and streams. Most of the compartment is accessible with heavy equipment. Most fires should be low intensity surface fires with slow rates of spread because of the hardwood fuel types.

### **Additional Compartment Information:**

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

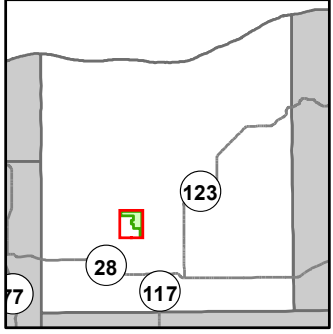
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

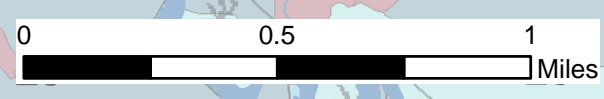
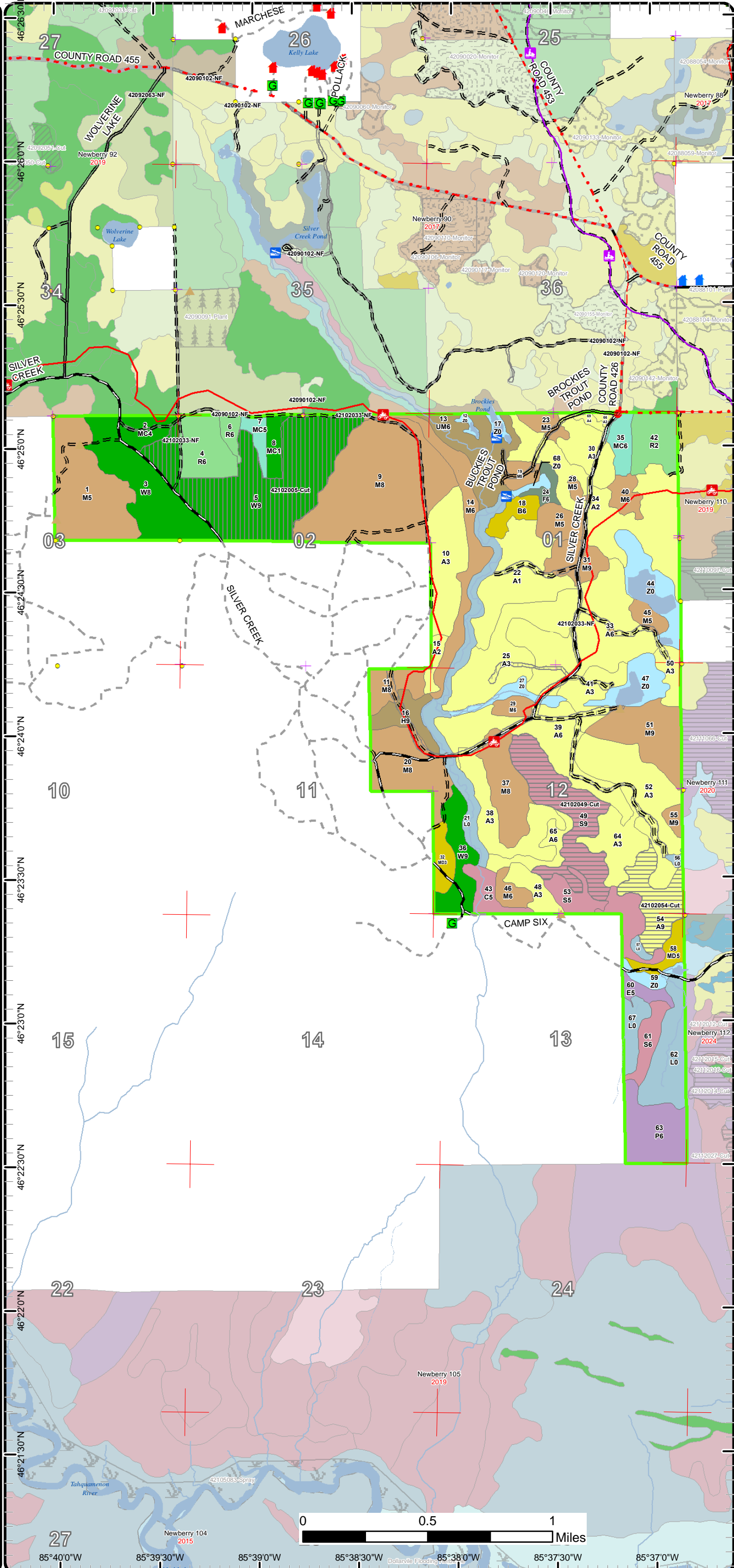
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 102  
 T46N, R11W, Sec. 1-3, 11-13  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: 8 Mile Corner  
 YOE: 2023  
 Acres: 2004.8 GIS Calculated  
 Examiner: Matt Payment  
 Map Revised: 12/29/2021  
 Map Phase: Post-Review



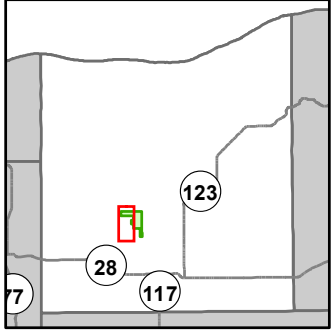
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- ORV Trails
- Designated ATV
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- Gate
- Boating Access Site
- Sign
- Compartment Boundary
- Clearcut (w/Reserves)
- Shelter Wood (w/Reserves)
- Opening Maintenance
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 500 - Water
- 622 - Lowland Shrub



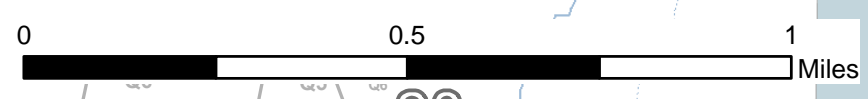
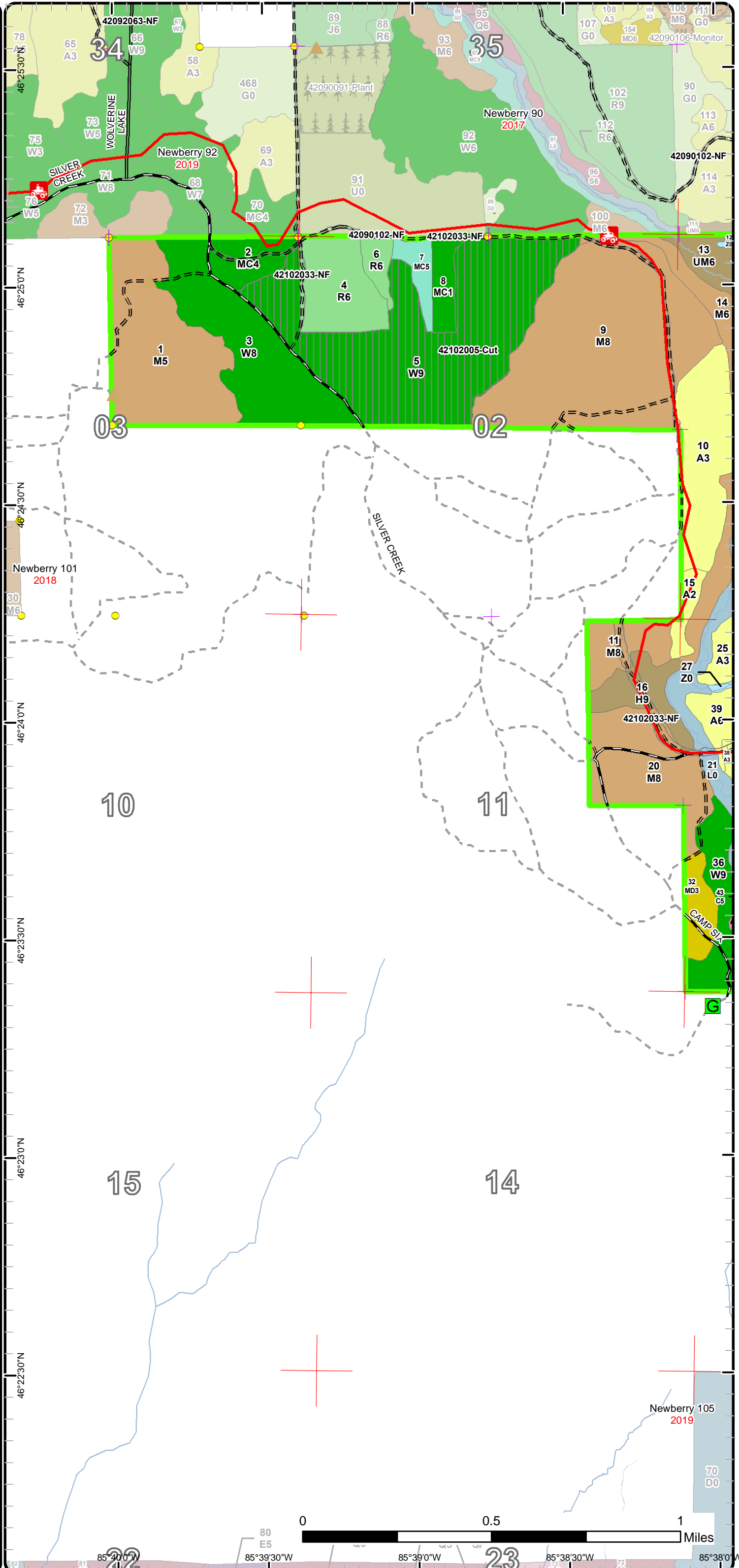
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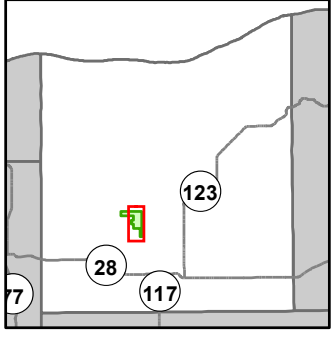
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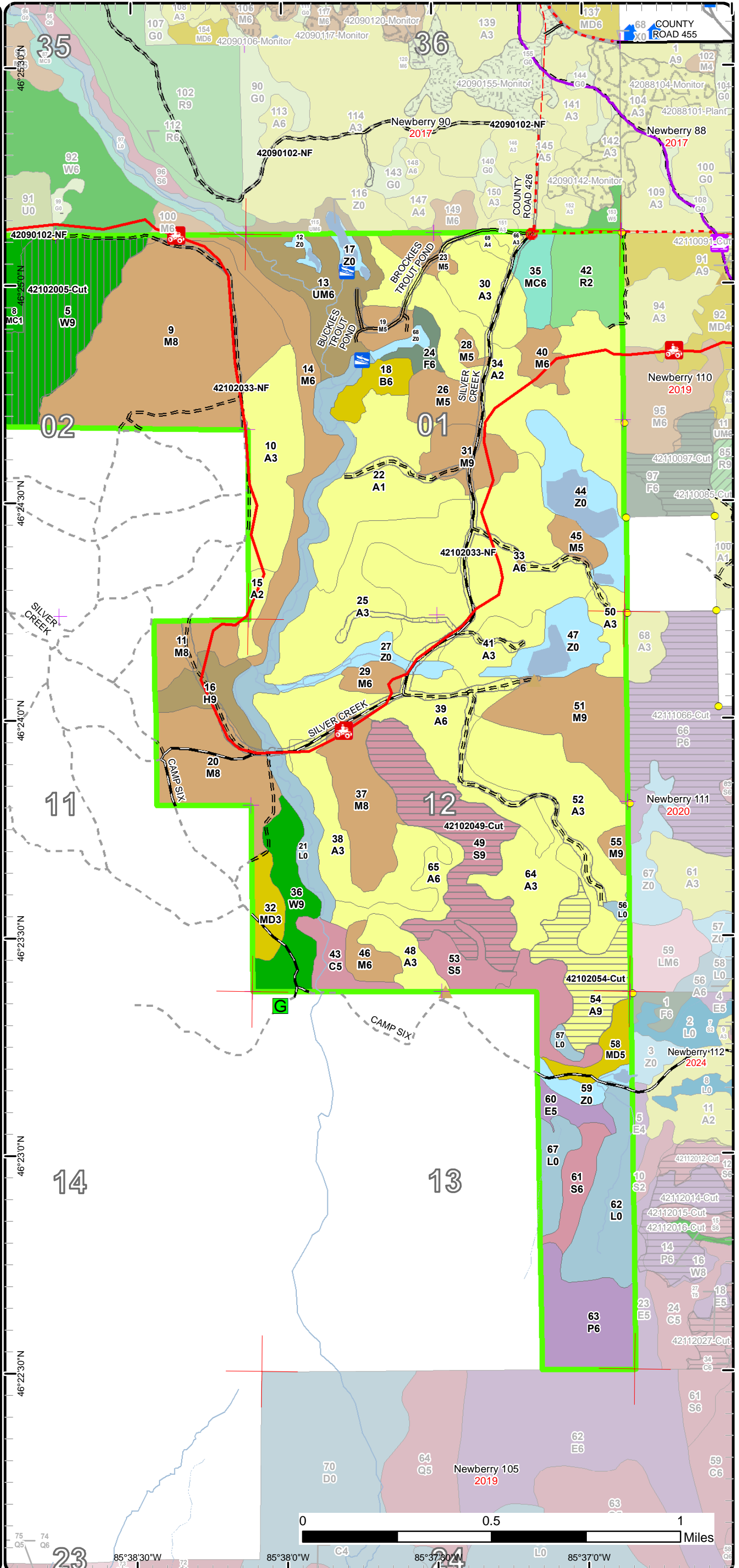
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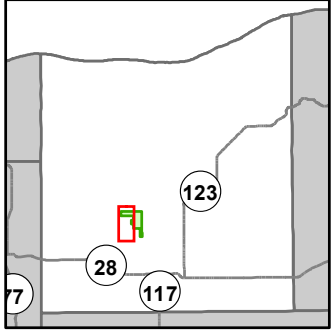


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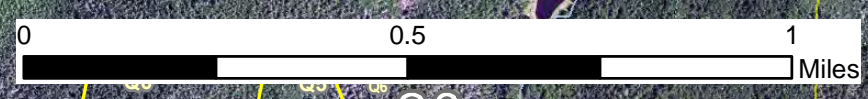
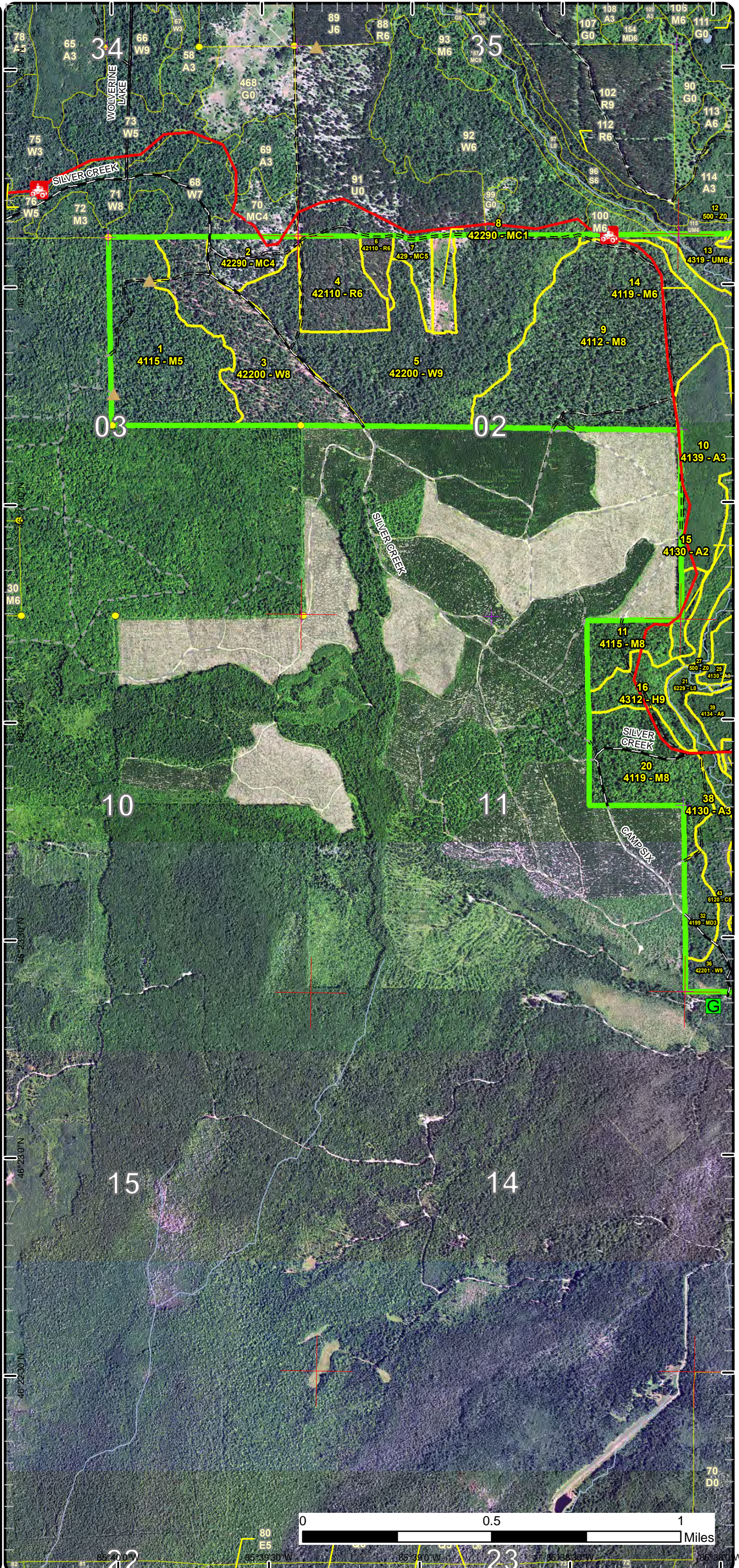


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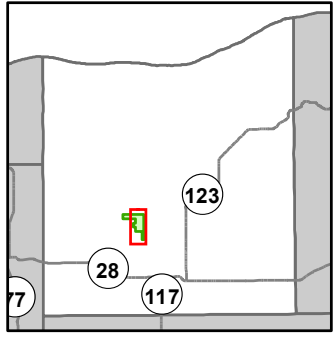


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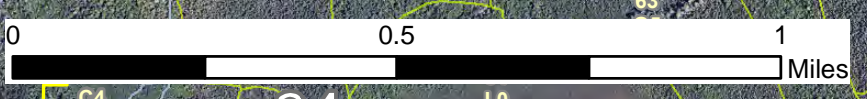
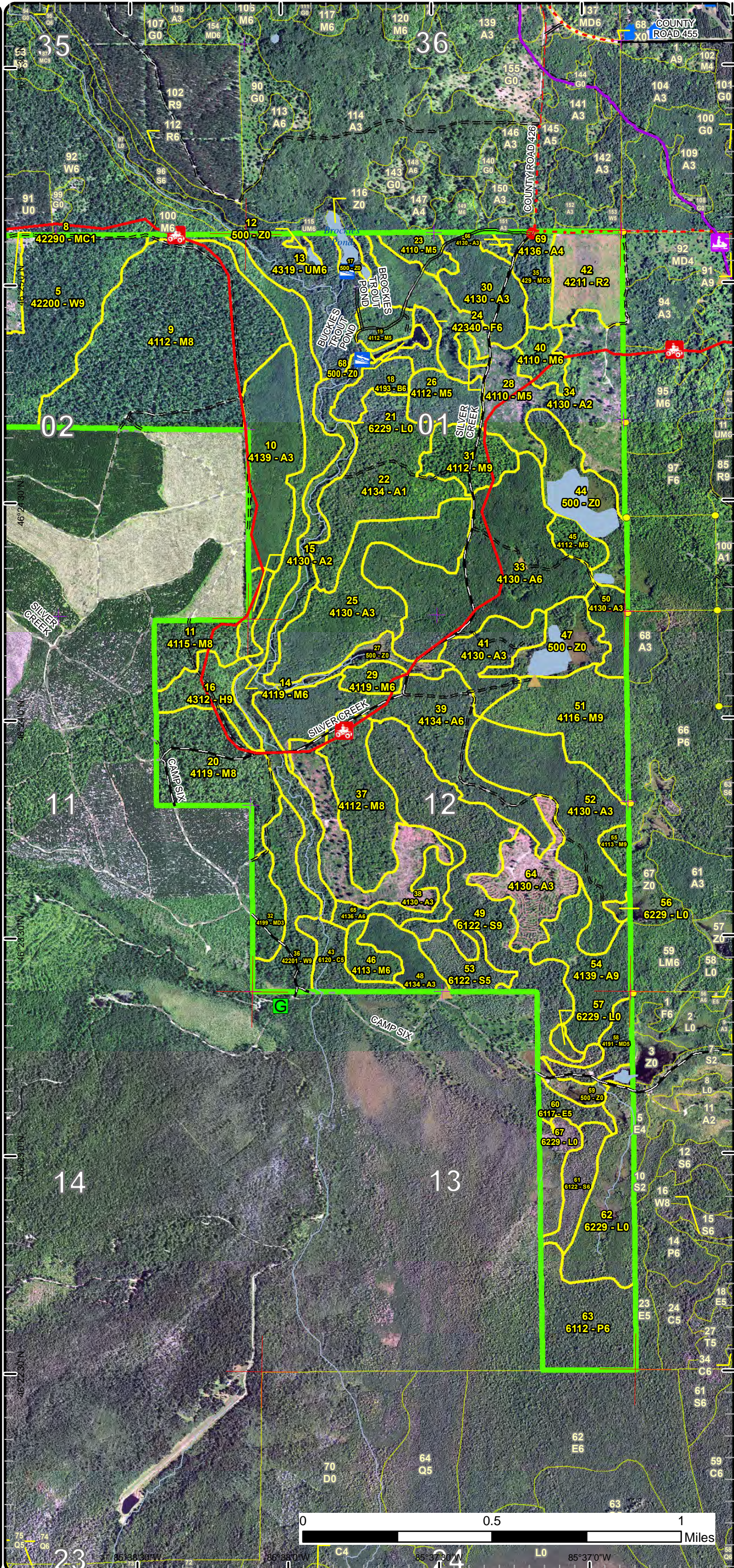


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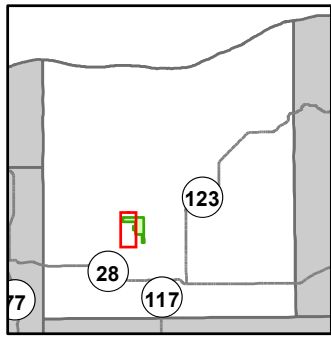
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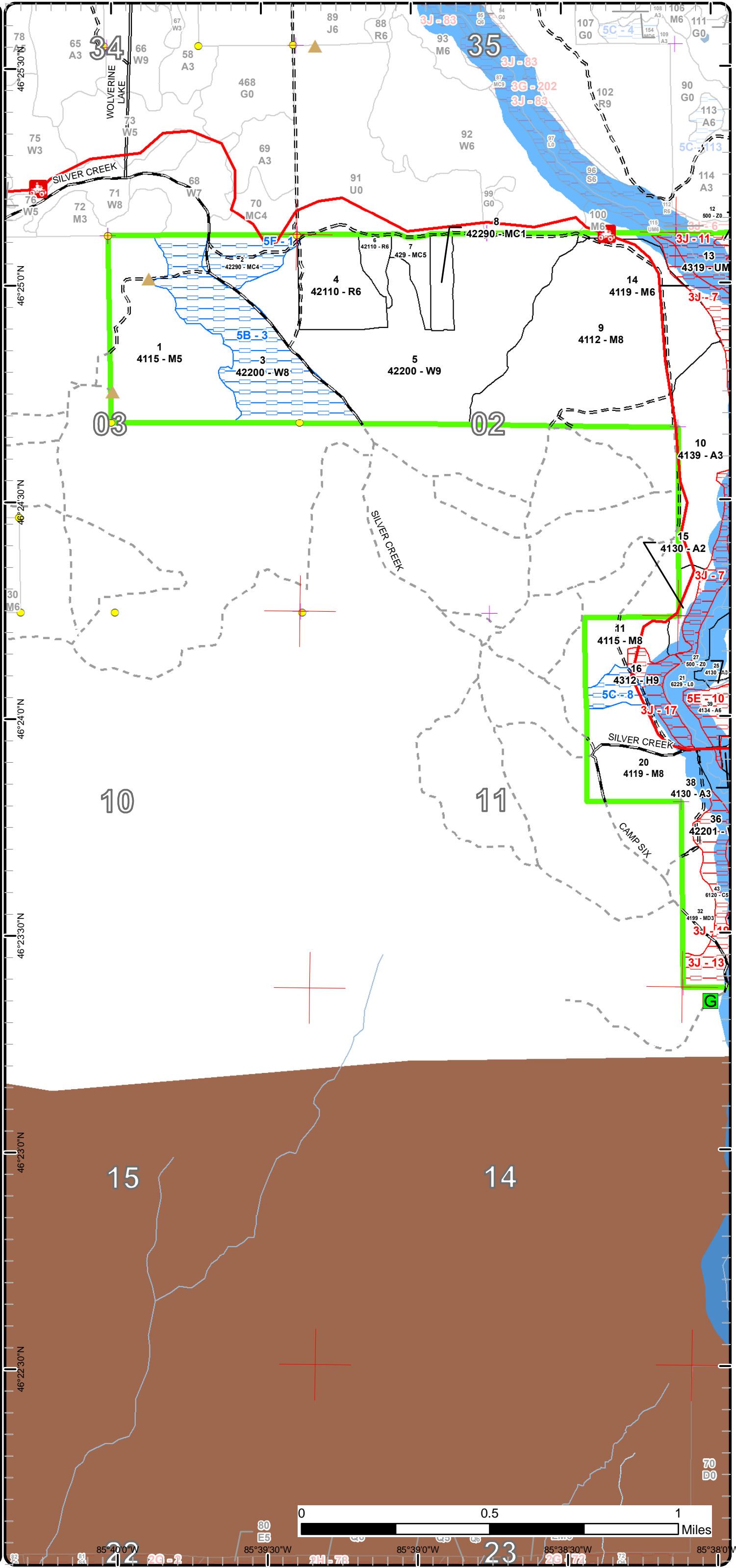
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# Special Conservation Areas

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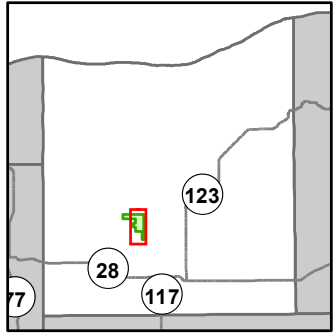
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- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries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



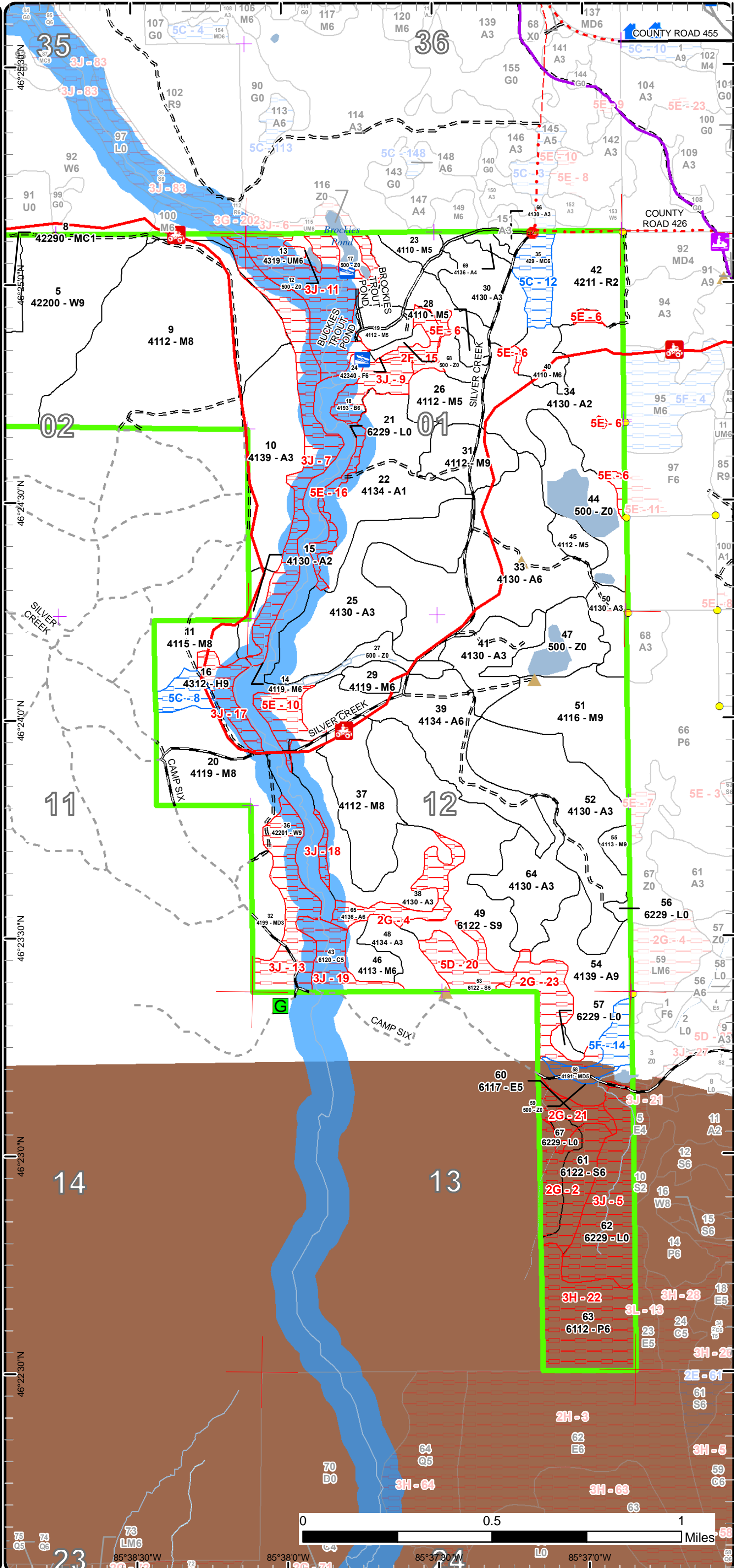


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- Boating Access Site
- Sign
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range



# Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 102 Year of Entry 2023

Matt Payment : Examiner



## 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	227	0	186	65	159	0	0	35	14	0	0	0	0	0	0	0	0	686
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	14
Hemlock	0	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	18
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	0	0	0	40
Lowland Deciduous	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	8
Lowland Shrub	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108
Lowland Spruce/Fir	0	0	0	0	0	0	0	15	15	83	0	0	0	0	0	0	0	0	112
Mixed Upland Deciduous	0	0	0	0	0	13	0	12	0	0	0	0	0	0	0	0	0	0	25
Natural Mixed Pines	0	0	10	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	26
Northern Hardwood	0	0	0	0	0	0	0	3	98	262	0	0	0	0	0	0	0	141	504
Paper Birch	0	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	12
Red Pine	0	28	0	0	0	0	0	39	0	0	0	0	0	0	0	0	0	0	66
Upland Conifers	0	0	0	0	0	9	0	0	0	0	13	0	0	0	0	0	0	0	22
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	42	0	0	0	0	0	0	0	0	42
Upland Spruce/Fir	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Water	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84
White Pine	0	0	0	0	0	0	0	0	0	0	231	0	0	0	0	0	0	0	231
<b>Total</b>	<b>192</b>	<b>255</b>	<b>10</b>	<b>186</b>	<b>65</b>	<b>197</b>	<b>0</b>	<b>66</b>	<b>65</b>	<b>169</b>	<b>403</b>	<b>244</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>141</b>	<b>2005</b>



## Report 2 – Treatment Summary

Newberry Mgt. Unit  
Year of Entry: 2023

Acres of Harvest

Compartment 102  
Total Compartment Acres: 2,005

Commercial Harvest - 235  
Harvests with Site Condition - 0  
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	35	0	0	0	0	0	0	0	0	35
Lowland Spruce/Fir	65	0	0	0	0	0	0	0	0	65
White Pine	0	0	0	0	136	0	0	0	0	136
<b>Total</b>	<b>99</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>136</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>235</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Pruning	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	235	0	0	0	0	0	0	68	0	303
Next Step	0	136	0	0	136	0	235	0	0	506
<b>Total</b>	<b>235</b>	<b>136</b>	<b>0</b>	<b>0</b>	<b>136</b>	<b>0</b>	<b>235</b>	<b>68</b>	<b>0</b>	<b>809</b>



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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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**Approved Treatments:**

<b>102</b>	<b>42090102-NF</b>	23.1	42110 - Planted Red Pine	Sawtimber Well	62	111- 140	NonForestMgt	Herbaceous/Crop /Grass Planting	3105 - Mixed Upland Herbaceous	No	
<p><u>Prescription</u> Wildlife planting along Silver Creek Bird Trail, Trail plantings of clover and wildflowers. Hand plant mast producing trees and shrubs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Native flowers, grasses, shrubs, and mast producing trees.</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 /2021</p>											
<b>63</b>	<b>42092063-NF</b>	8.8	42200 - Natural White Pine	Poletimber Medium	49	51-80	NonForestMgt	Herbaceous/Crop /Grass Planting	3105 - Mixed Upland Herbaceous	No	
<p><u>Prescription</u> Wildlife planting along Silver Creek Bird Trail, Trail plantings of clover and wildflowers. Hand plant mast producing trees and shrubs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Native flowers, grasses, shrubs, and mast producing trees.</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 /2021</p>											
<b>5</b>	<b>42102005-Cut</b>	135.5	42200 - Natural White Pine	Sawtimber Well	105	111- 140	Harvest	Shelterwood with Retention	4220 - Natural White Pine	Uneven- Aged	No
<p><u>Prescription</u> Shelterwood w/ retention: Mark White Pine to leave 50-70, Some areas will be lower due to scattered pine. Leave oak and hemlock for species diversity for WLD. Leave a component of aspen &amp; birch for future cavity nest trees. Cut all other species.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Burn, Understory; SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mixed pine and minor component of mixed deciduous species.</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 /2022</p>											



Standard

Standard	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
	33 42102033-NF	68.0	4130 - Aspen	Poletimber Well	44	1-50	NonForestMgt	Herbaceous/Crop /Grass Planting	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Wildlife planting along Silver Creek Bird Trail, Trail plantings of clover and wildflowers. Hand plant mast producing trees and shrubs.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Native flowers, grasses, shrubs, and mast producing trees.</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 /2021</p>											
	49 42102049-Cut	64.6	6122 - Black Spruce	Sawtimber Well	90	111-140	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Two-Aged	No
<p><u>Prescription</u> Clearcut with retention, Remove all species present. Leave 3-5% retention in the form of 1-3 pockets. Leave all white pine and hemlock over 18". Winter cut. (Hare Spec) East side of the stand hinge cut 8"-12" spruce or balsam, 8 groups of 3 with tops crossing.</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> Lowland coniferous species.</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 /2022</p>											
	54 42102054-Cut	34.8	4139 - Aspen, Mixed Deciduous	Sawtimber Well	75	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut. Leave all white pine, leave mature aspen in red line for grouse forage. Treatment likely to become smaller due to wet areas within and along edges of the stand, this will be determined during sale prep. Winter cut.</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 with mixed coniferous species.</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 /2022</p>											

Total Treatment 334.8  
 Acreage Proposed:

## Report 4 – Site Conditions

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

**Compartment: 102**  
**Year of Entry: 2023**

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions	Dominant Site Conditions									
		With Condition				5B	5C	5F	2F	2G	3H	3J	5D	5E	
686	645	0		40	Aspen				0	14		2		24	
14	0	0		14	Cedar							14			
18	0	8		11	Hemlock		8					11			
40	0	0		40	Lowland Aspen/Balsam Poplar						40	0			
8	0	0		8	Lowland Deciduous					8					
108	54	0		53	Lowland Shrub					14		39			
112	65	0		47	Lowland Spruce/Fir					33			15		
24	13	12		0	Mixed Upland Deciduous			12							
26	10	16		0	Natural Mixed Pines			16							
504	465	0		39	Northern Hardwood							39			
12	0	0		12	Paper Birch							12			
66	66	0		0	Red Pine									0	
22	9	13		0	Upland Conifers		13								
42	2	0		40	Upland Mixed Forest							40			
7	0	0		7	Upland Spruce/Fir				7						
84	84	0		0	Water							0			
232	138	64		29	White Pine	64		0				29			
2,005	1,551	113		341	Total Forested Acres	64	21	28	7	69	40	187	15	24	
	77%	6%		17%	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	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available		5F: Evaluated for Forest Health Considerations	17	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Evaluated for SBW.								

## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

Compartment: 102  
 Year of Entry: 2023

2	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	26	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Already covered in deer yard SCA layer							
3	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	64	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	39	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Already covered by deer yard SCA layer							
6	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Long term retention pocket.							
7	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	39	2F: Too steep	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Newberry Mgt. Unit  
Matt Payment : Examiner

Compartment: 102  
Year of Entry: 2023

8	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Proximity to silver creek.							
9	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	12	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Evaluated for SBW.							
10	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	40	2F: Too steep	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified
<b>Comments:</b> Silver Creek and trout pond buffer. Evaluated for SBW.							
12	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	13	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Evaluated for SBW as well.							
13	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	29	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

Compartment: 102  
 Year of Entry: 2023

14	<b>Available</b>	<b>5F: Evaluated for Forest Health Considerations</b>	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Evaluated for SBW.							
15	<b>Unavailable</b>	<b>2F: Too steep</b>	7	3J: Water quality / BMPs (stream, river, or lake)	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified
<b>Comments:</b> Steep buffer along headwaters of trout pond. Evaluated for SBW.							
16	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	7	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Proximity to silver creek.							
18	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Buffer of the stream.							
19	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

Compartment: 102  
 Year of Entry: 2023

20	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
21	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	40	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	18	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.

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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.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	4115 - Y.Birch, Hemlock NH	Poletimber Medium	76.1	92	81-110	N/A	Stand was thinned in 2004 as sale #033-03-01, "102 Hardwoods". Red maple stand with pockets of hemlock, component of super canopy white pine and scattered yellow birch. Beech dying out of the stand. Thick understory of regeneration from the harvest. Substantial blowdown in areas within the stand.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		73	Pole	9	92	Red Maple		High	10 - 20 feet	Sapling
Yellow Birch		5	Log	11		Beech		High	5 - 10 feet	Sapling
Beech		2	Pole/Log	10		Balsam Fir		Low	Variable	Sapling
White Pine		5	Log/XLog	16		Black Cherry		Medium	5 - 10 feet	Sapling
Hemlock		15	Log	12		Blackberry/Raspberry		Medium	< 5 feet	Tall Shrub
2	42290 - Natural Mixed Pine	Poletimber Poor	16.1	40	51-80	N/A	Opening filling in with a variety of tree species. Patchy appearance to the stand.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Paper Birch		5	Pole	6		Quaking Aspen		Medium	Variable	Sapling
Quaking Aspen		5	Pole	6		Balsam Fir		Medium	10 - 20 feet	Sapling
Balsam Fir		20	Pole	6		White Pine		Low	Variable	Sapling
White Spruce		10	Pole	6		Black Cherry		Low	5 - 10 feet	Sapling
White Pine		40	Pole	6	40					
Red Pine		15	Pole	6						
Jack Pine		5	Pole	6						
3	42200 - Natural White Pine	Sawtimber Medium	64.2	105	51-80	N/A	Cut portion of stand 5. Shelterwood cut in 2015 as part of Silver Creek Pine, #14-13. White pine and hemlock left.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
White Pine		85	Log	12	105	Red Maple		Low	Variable	Sapling
Hemlock		15	Log	14		Balsam Fir		Low	Variable	Sapling
						White Spruce		Low	5 - 10 feet	Sapling
						White Pine		Low	< 5 feet	Sapling
						Black Cherry		Low	5 - 10 feet	Sapling
4	42110 - Planted Red Pine	Poletimber Well	31.7	60	81-110	N/A	Red pine plantation with white pine aspen and white spruce. Pockets of thick red pine and pockets of a mix of species. Remnants of curved rows. Open areas with more aspen and red maple regeneration. 12/14/16: Thinned 2015/2016 Silver Creek Pine #14-13.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Quaking Aspen		1	Pole	8		Red Maple		Low	5 - 10 feet	Sapling
Balsam Fir		1	Pole	6		Quaking Aspen		Low	10 - 20 feet	Sapling
White Spruce		1	Pole	7		Balsam Fir		Low	Variable	Sapling
White Pine		17	Pole	8		White Pine		Low	5 - 10 feet	Sapling
Red Pine		80	Pole	9	60					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
<b>5</b>	42200 - Natural White Pine	Sawtimber Well	138.1	105	111-140	N/A	Data taken 6/17/11, updated from cutting of stand 3. Large white pine stand. Combined 3 former stands into 1. Component of red maple, quaking aspen, big tooth aspen, balsam, white spruce and white birch. Most of the stand is log size (W9) but there are portions that are more of a pole size white pine stand. Hardwoods, aspen, balsam and spruce are mature, showing some signs of dieback.																																																								
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<b>6</b>	42110 - Planted Red Pine	Poletimber Well	6.8	60	81-110	N/A	Red pine plantation. Thinned in 2003, sale #029-03-01, Sliver Creek Red Pine. Pole size red pine with a few large white pine throughout. Thinned 2015/2016, Silver Creek Pine #14-13.																																																								
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<b>7</b>	429 - Mixed Upland Conifers	Poletimber Medium	8.7	40	51-80	N/A	Open stand with white pine, balsam fir, cherry, and low quality aspen coming in.																																																								
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<b>8</b>	42290 - Natural Mixed Pine	Sapling Poor	9.8	15	Immature	N/A	Stand was cut 15-20 years ago. There is red pine regen coming in along with white pine 3-10' in places. Some larger scattered white pine throughout. Red maple and cherry coming in as well.																																																								
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<b>9</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	140.6	91	51-80	N/A	RM stand with hemlock and beech. Beech mortality is high (BBD). Other beech has weak crowns or dead tops. Pockets of hemlock, scattered yellow birch. Pockets of good quality wood, Best quality in stand appears to be in the 10 inch diameter class of red maple.																																																								
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10	4139 - Aspen, Mixed Deciduous	Sapling Well	46.0	27	81-110	N/A	Stand was harvested in 1994. Young aspen regeneration with good component of red maple and black cherry. Also balsam, white spruce, and beech. Scattered white birch. Northern 1/3 of stand has higher red maple and cherry component. ORV trail runs along west side of the stand.																																																
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11	4115 - Y.Birch, Hemlock NH	Sawtimber Medium	18.4	92	51-80	N/A	Small, pole size red maple with clumps of hemlock scattered throughout. Component of yellow birch. Some low quality beech. Even aged red maple stand. (2014) Stand was treated with TSale#420151301. TCR 6/2/15																																																
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13	4319 - Mixed Upland Forest	Poletimber Well	42.0	87	81-110	N/A	Balsam, spruce and aspen buffering the trout ponds and Silver Creek corridor. Mixed stand, mostly conifer component with aspen and red maple. Steep slopes down to the creek and ponds.																																																
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14	4119 - Mixed Northern Hardwoods	Poletimber Well	41.2	81	111-140	N/A	Stand lies on a steep slope down to Silver Creek corridor. No reason to ever try to manage this stand. BMP issues. Stand has higher conifer component when adjacent to creek corridor.																																																
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<b>15</b>	4130 - Aspen	Sapling Medium	6.9	6	Immature	N/A	Young aspen, red maple, cherry, balsam fir, and scattered hemlock. Balsam is old and falling down, wind damage. (2014) - Stand was treated with TSale#420151301. TCR#6/2/15																																																															
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<b>16</b>	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	18.3	90	111-140	N/A	Stand was treated as part of 4th of July Hardwoods sale. Large maple was removed from the stand leave hemlock, yellow birch, white pine behind. Also adjacent to Silver Creek.																																																															
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<b>17</b>	500 - Water	Nonstocked	4.4		Unspecified	No																																																																
<b>18</b>	4193 - Birch, Aspen	Poletimber Well	11.8	76	51-80	N/A	White birch with aspen, red maple and spruce component.																																																															
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<b>19</b>	4112 - Maple, Beech, Cherry Association	Poletimber Medium	9.1	82	51-80	N/A	Harvested via Selection cut in 2017 as part of One Pond Mix, #016-13. TCR 9/25/18. Red maple stand with cherry and large diameter white pine. Lower quality in much of the red maple. Best quality is in the 8-9 inch diameter maple and cherry.																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>20</b>	4119 - Mixed Northern Hardwoods	Sawtimber Medium	47.7	94	81-110	N/A	Low quality hardwoods, lots of dead tops. Thick understory of a range of species. Overstory is poor quality. Variety of species and diameter classes within the stand. Check in 10 years when understory/subcanopy is merchantable. Even aged management.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		70	Log/Pole	10	94	Red Maple		
Yellow Birch		5	Pole	9		Beech		
Beech		2	Log	10		Balsam Fir		
Paper Birch		5	Pole	8		Black Cherry		
White Spruce		5	Pole	8				
White Pine		10	Log/XLog	14				
Hemlock		3	Pole/Log	9				
<b>21</b>	6229 - Mixed lowland shrub	Nonstocked	50.0		Unspecified	No		
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>				
Alder		High		Tall Shrub				
<b>22</b>	4134 - Aspen, Spruce/Fir	Sapling Poor	57.7	2	Immature	N/A	Stand was part of Buckies SBW sale. Sale completed in 2020, Large white pine were left and brush piles and drumming logs throughout the sale for wildlife habitat. Stand coming back in to aspen, maple, cherry and scattered spruce and white pine.  Stand was underplanted in 1961 with spruce. Stand has a component of white pine, aspen and red maple. Pockets of thicker aspen and multi stem red maple. Component of large diameter white pine.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		10	Sapling	1		Red Maple		
Quaking Aspen		66	Sapling	1	2	Balsam Fir		
Balsam Fir		20	Pole	8		White Spruce		
White Spruce		2	Sapling	1		Black Cherry		
White Pine		2	Log/XLog	15	100			
<b>23</b>	4110 - Sugar Maple Association	Poletimber Medium	9.1	86	51-80	N/A	Harvested via Selection cut in 2017 as part of One Pond Mix, #016-13. TCR 9/25/18.  Sugar maple with aspen and a few red maple. Good site, good quality. Pole size stand. Pockets of mature aspen. Component of beech and black cherry. Some dieback in larger maple.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Sugar Maple		90	Pole/Log	9	86	Sugar Maple		
Red Maple		5	Pole	8		Beech		
Beech		1	Pole	9		Balsam Fir		
Quaking Aspen		1	Log/Pole	10				
Black Cherry		3	Pole	8				
<b>24</b>	42340 - Upland Spruce/Fir	Poletimber Well	6.7	60	81-110	N/A	Balsam and spruce stand with component of large diameter white pine and pole size red maple. Stand is adjacent to Silver Creek corridor.	
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		
Red Maple		10	Pole	9		Red Maple		
Balsam Fir		50	Pole	8	60	Balsam Fir		
White Spruce		15	Pole/Log	9		White Spruce		
Black Spruce		15	Pole	8				
White Pine		10	Log/Pole	14				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
<b>25</b>	4130 - Aspen	Sapling Well	61.9	26	81-110	N/A	6/9/2021 - Rye/clover seeding has not occurred yet however site around the trail have been planted with shrubs/mast producing oaks to benefit wildlife (next step treatment).  Stand was cut in 1995. Nice young aspen stand with a component of red maple, balsam, spruce, white birch, white pine. Thick understory.																																											
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<b>26</b>	4112 - Maple, Beech, Cherry Association	Poletimber Medium	16.0	94	51-80	N/A	Stand harvested as sale #030/03/01. Completed 08/25/04. Red maple with component of black cherry and beech.																																											
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<b>28</b>	4110 - Sugar Maple Association	Poletimber Medium	3.1	77	51-80	N/A	Stand thinned as "Buckies Hardwoods" sale, completed in 2004. 70-80 BA residual. Retention left from larger stand.																																											
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<b>29</b>	4119 - Mixed Northern Hardwoods	Poletimber Well	7.5	83	81-110	N/A	Mixed stand of small diameter red maple, low quality, clumps. Low quality hardwoods with balsam and aspen (mature). Pockets of white birch. Individual large white spruce, scattered large diameter white pine.																																											
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<b>30</b>	4130 - Aspen	Sapling Well	26.7	26	Unspecified	N/A	Young aspen with red maple, balsam, white birch and cherry. Cut in 1995.																																																												
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<b>31</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	20.9	85	51-80	N/A	Stand was thinned in 2004 as sale #030-03-01, "Buckies Hardwoods". Good regeneration coming in.																																																												
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<b>32</b>	4199 - Other Mixed Upland Deciduous	Sapling Well	12.7	49	81-110	N/A	Young stand of mixed northern hardwoods, with white pine, balsam and spruce. Lots of species variability present. Some scattered swlog size white pine. Stand is transitioning from a sapling stand to a pole stand.																																																												
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<b>33</b>	4130 - Aspen	Poletimber Well	94.3	44	1-50	N/A	Stand consists of combination of two stands from 40 years ago. (old stands 22, 28). Cut between 1975 and 1977. Eastern 2/3 cut in 1977. Young aspen with component of red maple and cherry with spruce and balsam mixed in. Stand transitioning from sapling size to pole size. Thick understory. Clumps of red maple stump sprouts.																																																												
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<b>34</b>	4130 - Aspen	Sapling Medium	92.0	5	Immature	N/A	Thick aspen, cherry, and red maple regen, Some yellow birch and white pine left as residual.  Harvested via Clearcut w/ Reserves in 2014 and finished in 2017 as part of One Pond Mix, #016-13. TCR 9/25/18. Left 5.1 acres of retention pockets. Retained aspen and white birch in stand lines. Left 10 scattered large conifer as well as all white pine 24 inches and larger. Also left all hemlock. ORV trail runs through stand.																																																												
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<b>35</b>	429 - Mixed Upland Conifers	Poletimber Well	13.0	100	81-110	N/A	White pine portion of old stand 19. Separated out as a stand to hold for retention and diversity. Higher white pine component, balsam and spruce. Limby white pine.																																																			
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<b>36</b>	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	29.3	106	111-140	N/A	Large, supercanopy white pine over lower quality red maple, white birch. Pockets of thick white birch. Thick balsam understory.																																																			
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<b>37</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	37.0	97	81-110	N/A	2017: Cut as part of New Puppy Hardwoods (#17-13). TCR 8/18/16.2013: Large diameter red maple stand. Super canopy white pine throughout. Black cherry and yellow birch. Best quality in the 8-10 inch red maple with some quality 12 inch red maple. Lots of overmature red maple with wolfy tops, twisted, crooked. Dieback in some crowns.																																																			
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<b>38</b>	4130 - Aspen	Sapling Well	38.5	5	Immature	N/A	Heavy aspen, maple. and cherry regen. Large overstory white pine left. Cut as part of New Puppy Hardwoods (#17-13). TCR 8/18/16.																																																			
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<b>39</b>	4134 - Aspen, Spruce/Fir	Poletimber Well	64.7	45	1-50	N/A	6/9/2021 - Rye and clover was seeded on the trail in 2019. Some mortality due to heavy atv use on the site. Young aspen, 35 years old. Harvested in 1976. Lots of variability in species composition throughout the stand. Ranges from an A4 to an A6. Some areas of an A3. Stand is just transitioned to a pole sized stand.																																																								
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<b>40</b>	4110 - Sugar Maple Association	Poletimber Well	10.8	88	81-110	N/A	Hard maple with red maple and aspen. Multi-stem trees in areas and along stand edges.																																																								
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<b>41</b>	4130 - Aspen	Sapling Well	23.0	27	81-110	N/A	Young aspen, harvested in 1994. Primarily quaking aspen with red maple, balsam, and white birch.																																																								
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<b>42</b>	4211 - Planted Red Pine	Sapling Medium	27.9	7	Immature	N/A	2021 - Fully stocked.  06/12/18- RP TPA= 958, cherry component. Fully stocked.  Stand was harvested as sale #014-08-01, "RPP 8 Mile RP". Completed in 2010. Sale area has yet to be burn and re-planted to red pine. At present, all maple, cherry and aspen regeneration.  Was burned in 2011. Prep spray in 2013, Sale planted in 2014 Release spray in 2016. Planted to red pine. Regen survey summer 2017: 667 Trees per acre.																																																								
<b>43</b>	6120 - Lowland Cedar	Poletimber Medium	14.1	110	Unspecified	N/A		Lowland, semi-open cedar stand with black spruce and tamarack. Silver Creek runs through the stand.																																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**44** 500 - Water Nonstocked 33.2 Unspecified No

**45** 4112 - Maple, Beech, Cherry Association Poletimber Medium 7.9 90 81-110 N/A

Thinned in 2004 as "Buckies Hardwoods" sale. Red maple with sugar maple and cherry component. Fairly good site.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	20	Pole	8		Sugar Maple	Low	< 5 feet	Sapling
Red Maple	75	Pole/Log	9	90	Red Maple	Medium	10 - 20 feet	Sapling
Black Cherry	5	Pole	8		Balsam Fir	Low	Variable	Sapling
					Black Cherry	Low	10 - 20 feet	Sapling

**46** 4113 - R.Maple, Conifer Poletimber Well 9.2 90 81-110 N/A

Maple, birch stand with balsam fir throughout.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	70	Pole	8	90	Red Maple	Low	5 - 10 feet	Sapling
Yellow Birch	10	Log/Pole	10		Balsam Fir	High	Variable	Sapling
Balsam Fir	20	Pole	7					

**47** 500 - Water Nonstocked 22.3 Unspecified No

**48** 4134 - Aspen, Spruce/Fir Sapling Well 13.8 27 Unspecified N/A

Young aspen stand, harvested in 1994. Good diverse stand. Aspen, red maple, cherry, spruce, balsam.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling	3		Red Maple	Medium	5 - 10 feet	Sapling
Quaking Aspen	65	Sapling	3	27	Quaking Aspen	Low	5 - 10 feet	Sapling
Balsam Fir	15	Sapling	3		Balsam Fir	Medium	Variable	Sapling
White Spruce	5	Sapling	3		Black Cherry	Low	5 - 10 feet	Sapling
Black Cherry	5	Sapling	2					

**49** 6122 - Black Spruce Sawtimber Well 82.9 90 111-140 N/A

Spruce stand with decent quality, some lower wet areas in the south. Mixed white pine, hemlock, cedar, aspen, maple, and scattered balsam fir throughout.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole	8		Red Maple	Medium	5 - 10 feet	Sapling
Black Spruce	52	Pole	8	90	Balsam Fir	Medium	Variable	Sapling
Tamarack	3	Pole	7		Black Spruce	Medium	5 - 10 feet	Sapling
White Pine	10	Log/XLog	16		Northern White Cedar	Low	5 - 10 feet	Sapling
Northern White Cedar	18	Log/Pole	10					
Hemlock	7	Log/XLog	16					
Quaking Aspen	8	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
<b>50</b>	4130 - Aspen	Sapling Well	11.9	27	Unspecified	N/A	Stand was harvested in 1994. Young aspen with a mix of other species (red maple, spruce, balsame, white birch, cherry). White birch is mainly along road edges & openings. Thick stand!																																																				
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<b>51</b>	4116 - Mixed N. Hardwood - Aspen	Sawtimber Well	44.9	92	81-110	N/A	Red maple stand with high component of aspen. Thick balsam understory. Decline and mortality in the aspen. Some pockets of blowdown. Scattered large spruce. Southeast portion of the stand has higher component of aspen over the top of the red maple. Lower ground throughout the stand.																																																				
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<b>52</b>	4130 - Aspen	Sapling Well	62.4	34	Unspecified	N/A	Young aspen stand, harvested in 1987. Primarily quaking aspen with component of balsam poplar, balsam, spruce, cherry, red maple and white birch. Pockets where thicker to maple and cherry.																																																				
<b>53</b>	6122 - Black Spruce	Poletimber Medium	14.5	79	51-80	N/A	Low wet stand, boggy ground with black spruce, tamarack, balsam fir, and large scattered white pine throughout. Harvest operations would be difficult due to the extreme water in the stand.																																																				
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<b>54</b>	4139 - Aspen, Mixed Deciduous	Sawtimber Well	34.8	75	81-110	N/A	Mature aspen stand. Decline and some mortality. Red maple is smaller diameter and medium quality. Thick balsam understory throughout. Stand starts to transition to lower ground in the southern portions. Open areas in canopy due to mortality and blowdown. Scattered hemlock and white pine.																																																				
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56	6229 - Mixed lowland shrub	Nonstocked	1.8		Unspecified	No																																																										
57	6229 - Mixed lowland shrub	Nonstocked	2.7		Unspecified	No																																																										
58	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	11.6	60	81-110	N/A	White pine with aspen and red maple. Stand along ridge bordering beaver flooding.																																																									
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59	500 - Water	Nonstocked	8.3		Unspecified	No																																																										
60	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	7.9	69	51-80	N/A	Very wet stand. Small drainage. Lots of beaver activity.																																																									
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61	6122 - Black Spruce	Poletimber Well	14.6	83	Unspecified	N/A	Wet, black spruce stand. Poor access. Drainages on 3 sides of the stand.																																																									
62	6229 - Mixed lowland shrub	Nonstocked	39.4		Unspecified	No																																																										
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63	6112 - Lowland Aspen	Poletimber Well	40.3	98	81-110	N/A	Stand is very difficult to access and has seeps and drains throughout. Evidence of old ice road through the stand. Top die back in the hardwoods from flooding and some decline in pockets of tamarack.																																																									





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
<b>64</b>	4130 - Aspen	Sapling Well	31.2	5	Immature	N/A	Heavy aspen, maple, cherry, balsam regen with overstory white pine and hemlock.  Cut as part of New Puppy Hardwoods (#17-13). TCR 8/18/16.																																																		
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<b>65</b>	4136 - Aspen, Mixed Conifer	Poletimber Well	14.4	80	81-110	N/A	Stand varies throughout. Areas of A6 to areas of B5/M5. West stand edge follows topography change to lower ground. Areas with birch are open and low quality. Thick balsam understory. Aspen is mature, showing decline and mortality. Drainages and low wet areas throughout. Was separated from stand 38 after treatment.																																																		
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<b>66</b>	4130 - Aspen	Sapling Well	2.2	26	Unspecified	N/A	Young aspen with red maple, balsam, white birch and cherry. Cut in 1995.																																																		
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<b>67</b>	6229 - Mixed lowland shrub	Nonstocked	13.9	0	Unspecified	No	Wet, black spruce stand. Poor access. Drainages on 3 sides of the stand.																																																		
<b>68</b>	500 - Water	Nonstocked	3.1		Unspecified	No																																																			
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<b>69</b>	4136 - Aspen, Mixed Conifer	Poletimber Poor	3.2	38	1-50	N/A	Opening with large spruce, aspen clones and scattered maple. Stand was a larger "G" type but has filled in with sapling and pole size trees. Kalkaska sand (burned).																																																		
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