



# Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42029

Entry Year 2025

Acreage: 1,846

County Luce

Management Area: Grand Marais Moraine Complex

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**Stand Examiner:** Victor Porteous

## Legal Description:

T49N R10W Sections 2,3,10,11 & 15

## Identified Planning Goals:

Maintain forest productivity, forest health, species diversification, and age class diversification through silvicultural and natural processes.

## Soil and topography:

Compartment consists primarily of Deer Park and Rubicon Sand. The dominant forest cover types are jack pine and red pine. The topography throughout the compartment varies from level to rolling. There are receding beach line features in the north half of the compartment. The topography features in this compartment were not identified as Critical Dunes but these features are very similar to areas that have been identified as Critical Dunes in adjacent areas. The guidelines how to treat Critical Dune should be followed.

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

Ownership within the compartment boundaries is primarily State of Michigan. There are various small private land owners mixed in amongst the State land. State of Michigan land borders the compartment to the west and south with a mix of small private land owners and State bordering to the east. The northern border of the compartment is Lake Superior. There is no real development in and around the compartment. Most of the private land is used as seasonal property and hunting camps. Land use in the area would entail seasonal recreation on the ORV and snowmobile trails along with camping at the Reed and Green Bridge State Forest Campground just outside the compartment boundary

## Unique Natural Features:

No Unique Natural Features known.

## Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

## Special Management Designations or Considerations:

The topography and features in the northern portion of this compartment is similar to that of the Critical Dunes identified in adjacent areas. There are also receding beach line topography in the north half of the compartment. All necessary precautions will be taken with any management done in these areas. See the guidelines that have been established on how to treat Critical Dunes. The North Country Pathway, Pine Stump Snowmobile Trail, and Two Heart ORV trail all run through the compartment and steps for visual concerns should be taken when necessary with management activities.

## Watershed and Fisheries Considerations:

ELSMU-Cory Kovacs

This portion of the Two Hearted River supports wild brook trout, as well as seasonal steelhead, coho, and Chinook salmon. The Two Hearted River is also designated as a Natural River requiring a 100-ft buffer in any areas where timber management is taking place. Following the guidelines of the Two Hearted River Natural River Plan, a 100-ft buffer needs to be maintained along the river in all treatment areas.

## Wildlife Habitat Considerations:

Compartment 29- This small compartment is located in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection. The Two-Hearted River serves as the eastern boundary of this compartment and is bordered by lowlands, providing an excellent wildlife travel corridor. Large jack and red pine stands dominate the compartment with small amounts of upland hardwoods, and aspen located centrally within the compartment. The current day species composition is consistent with records of presettlement conditions.

In a predominantly pine forested ecosystem, maintaining a variety of age and size classes and retaining as much structural diversity in managed stands as possible will be important to achieving wildlife objectives. Mast producing species, suitable nest and den trees, and snags will be retained and enhanced where they occur. Wildlife featured species in this management area include blackburnian and black throated blue warbler, spruce and sharp-tailed grouse,

snowshoe hare, black bear, American marten, piping plover, Kirtland's warbler, black-backed woodpecker, and red crossbill.

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

Surface sediments consist of lacustrine (lake) clay, silt, sand, and gravel. There is insufficient data to determine the glacial drift thickness. The Precambrian Jacobsville Sandstone subcrops below glacial drift. The Jacobsville has been used as a building stone in the past. There are no gravel pits located in the area and potential appears to be limited. There is no economic oil and gas production in the Upper Peninsula.

### **Vehicle Access:**

The compartment is located north of Newberry along the Lake Superior shoreline. Access to the compartment can be gained via the Coast Guard Road, and County Roads 374 and 410. Several two track roads transect the compartment providing access to most upland areas. The Two Heart ORV trail and Pine Stump Snowmobile trail also provide recreational vehicle access through the compartment.

### **Survey Needs:**

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

Recreational opportunities consist of fishing, hunting, hiking, canoeing, camping, wildlife viewing, berry picking, ORV / snowmobile trail riding, and site seeing. The Pine Stump Snowmobile trail, trail #8, runs east and west through the compartment. A portion of the Two Hearted ORV trail runs through the compartment, through stands 10, 13 and 43. Do not skid along the trail and keep the trail clear of logging slash and debris. If trail marker trees are to be cut, work with the trails analyst or Rec Spec to place carsonite posts with trail markers. A portion of the North Country National Scenic Trail runs through this compartment. The Reed and Green Bridge State Forest Campground is located just outside the compartment boundary along the Two Hearted River. Canoeing and fishing are popular recreational activities along the Two Hearted River.

### **Fire Protection:**

Large fire runs are possible because of the continuous conifer cover type and conifer age structure. Narrow sandy two tracks will challenge access by wheeled suppression equipment. Private property in and surrounding this compartment could be at risk from wildfires.

### **Additional Compartment Information:**

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

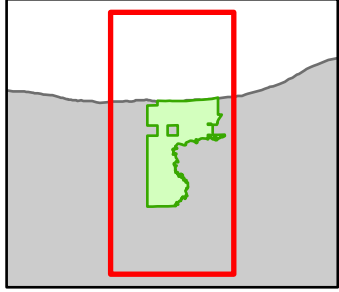
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

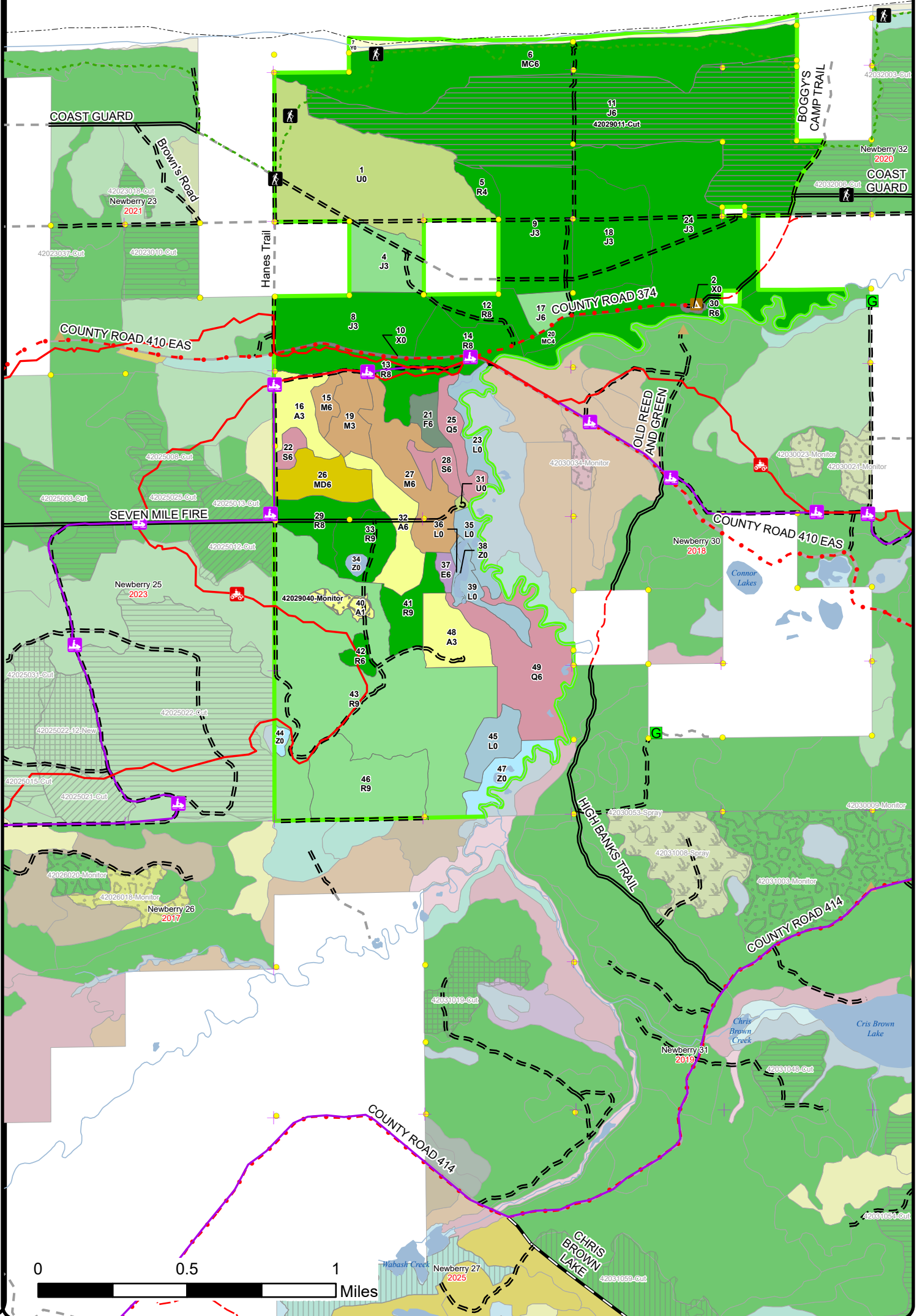
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 42029  
 T49N R10W Sections 2,3,10,11 & 15  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: Grand Marais Moraine Complex  
 YOE: 2025  
 Acres: 1846.4 GIS Calculated  
 Examiner: Victor Porteous  
 Map Revised: 05/21/2024  
 Map Phase: Post-Maps

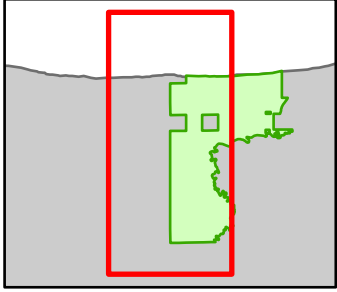


- Hiking Trails
- ORV Trails
- Snowmobile Trails
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- Designated ATV Trails
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- Survey Grade Corners
- Berms
- Gate
- Bridges
- Campground
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
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- Regeneration Survey
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- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
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- 122 - Roads/Parking Lot
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- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand/Soil

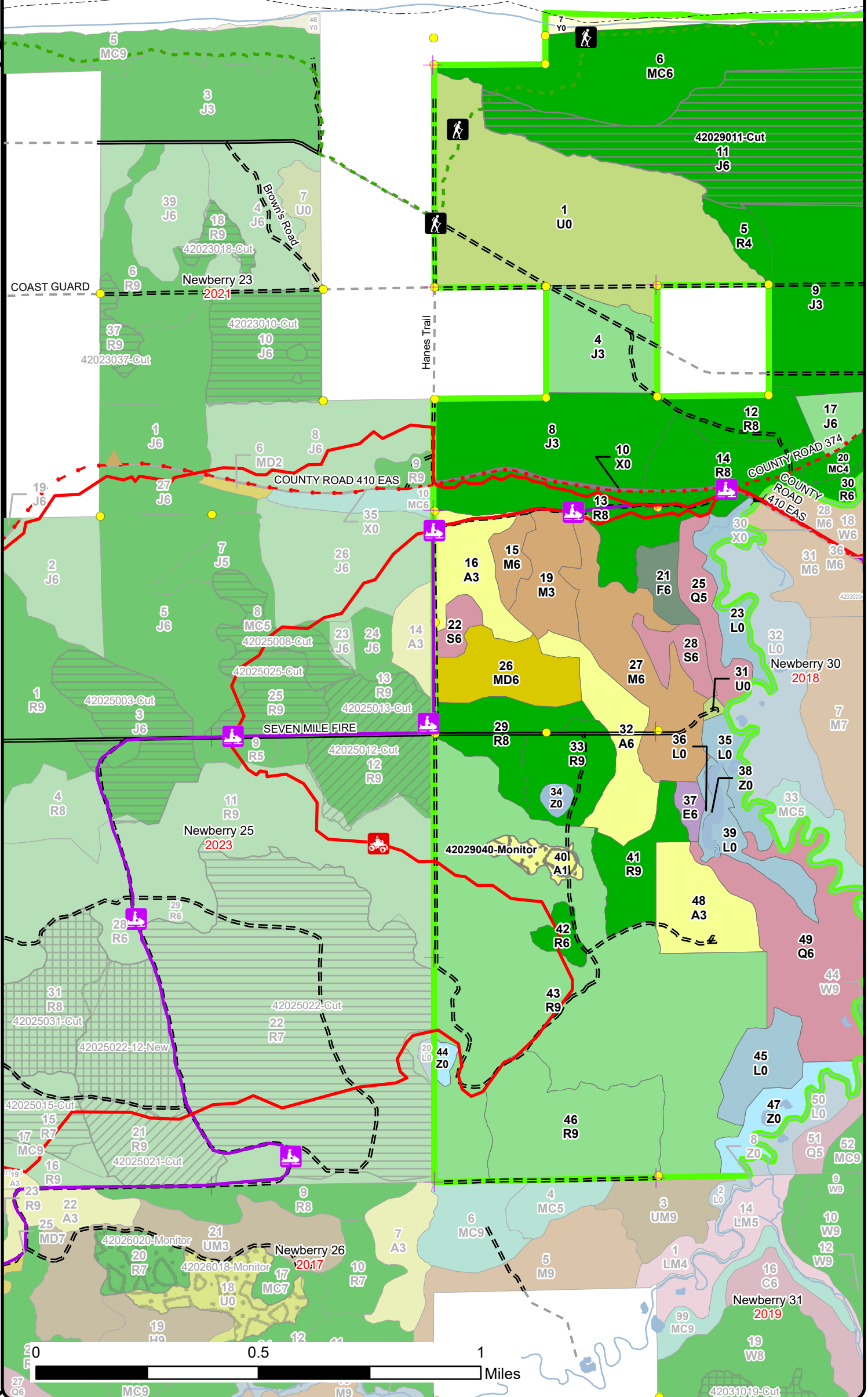


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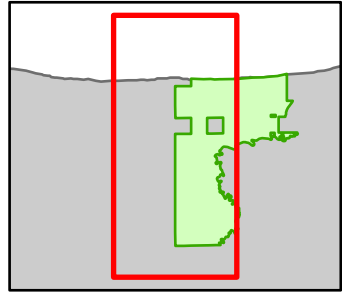


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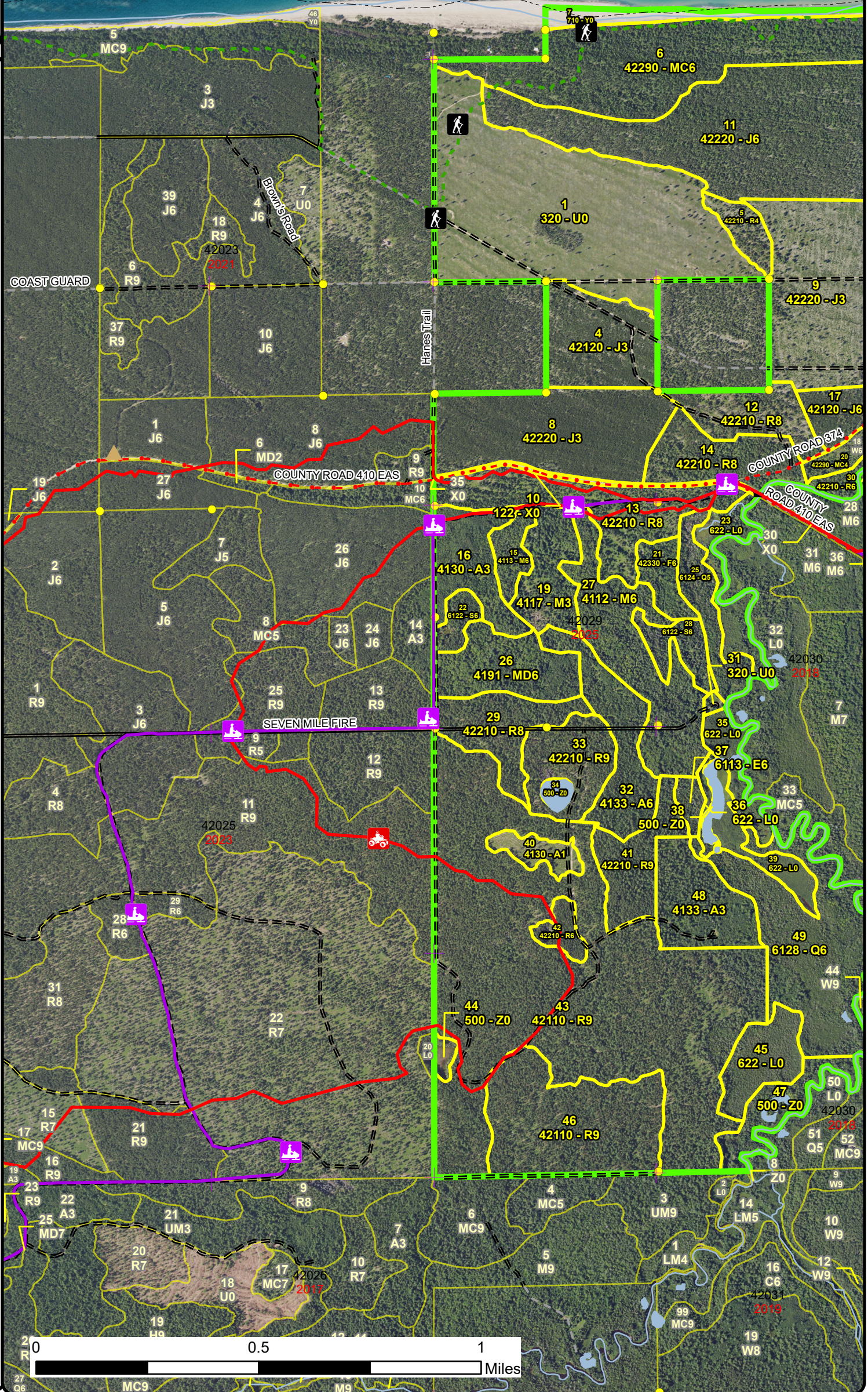


Stand Boundary Map

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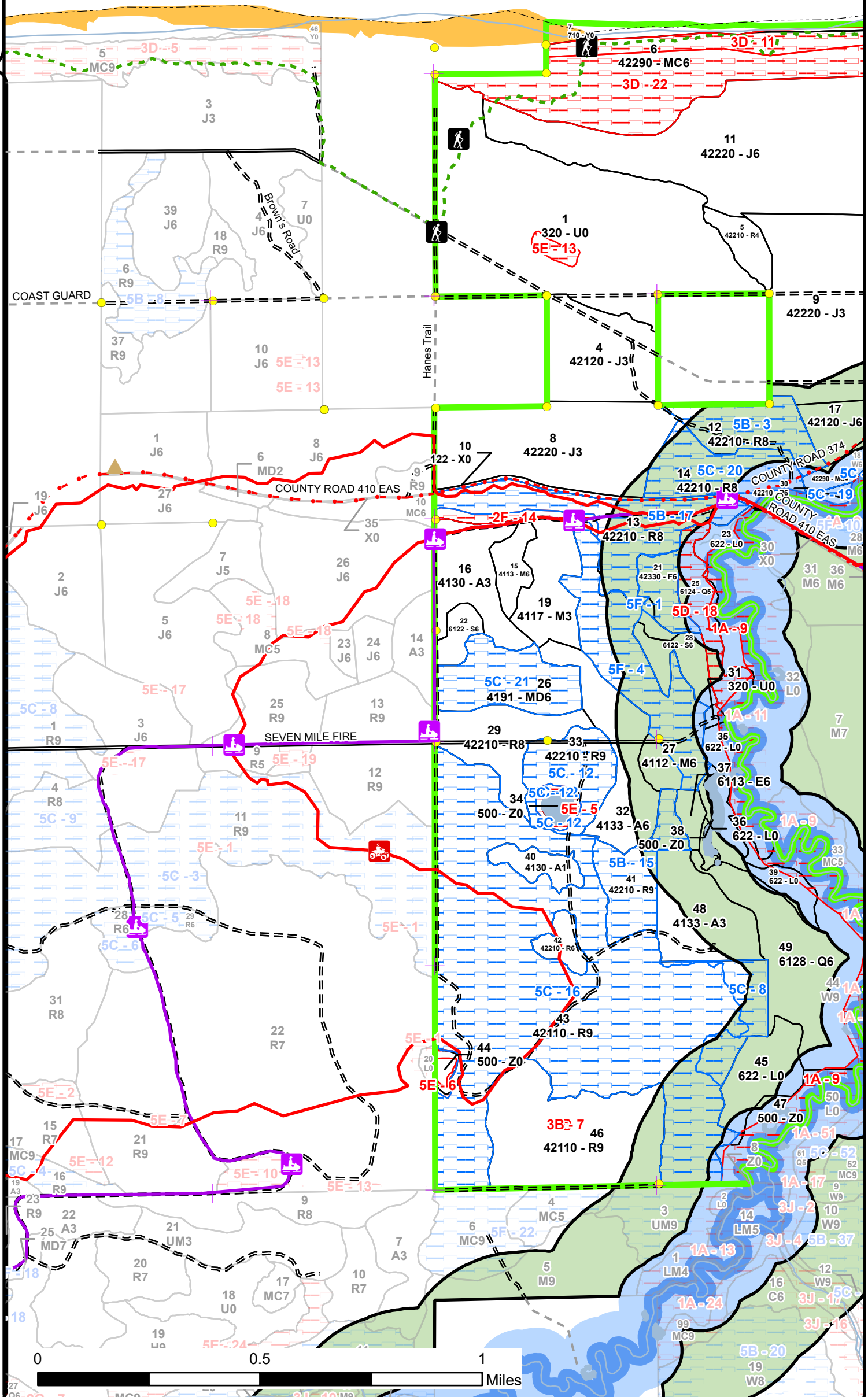
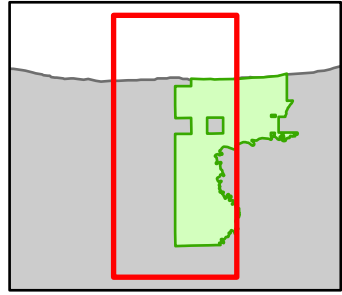


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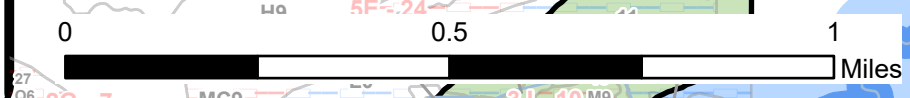


# Special Conservation Areas & Site Conditions Map

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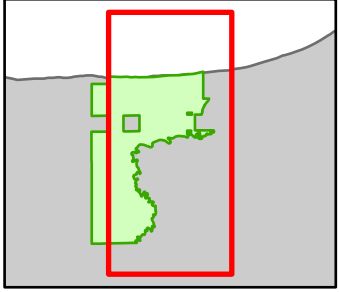


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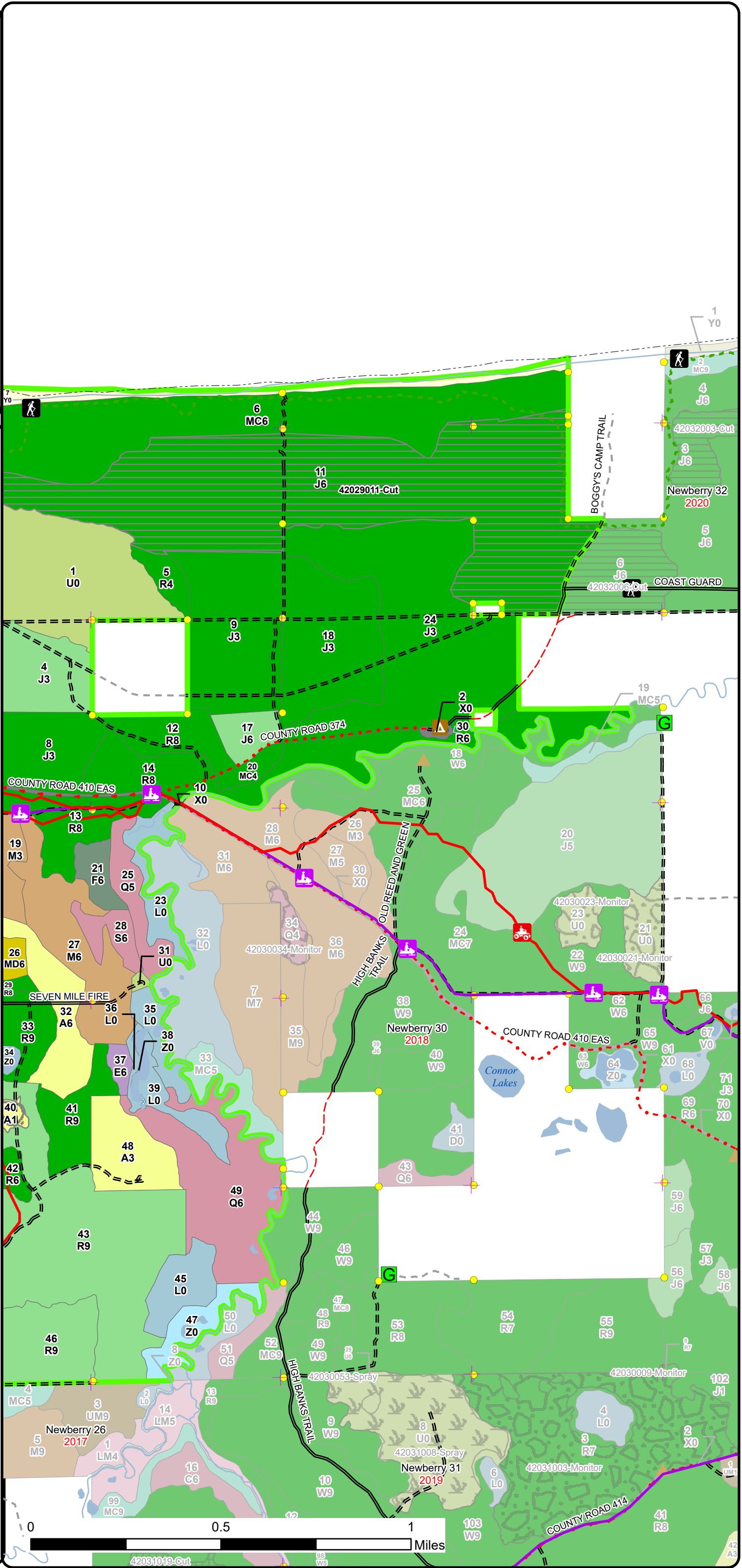


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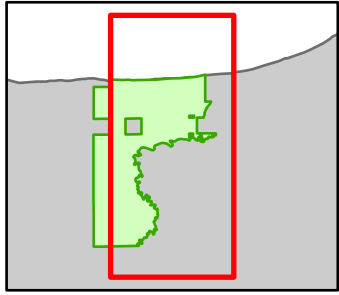


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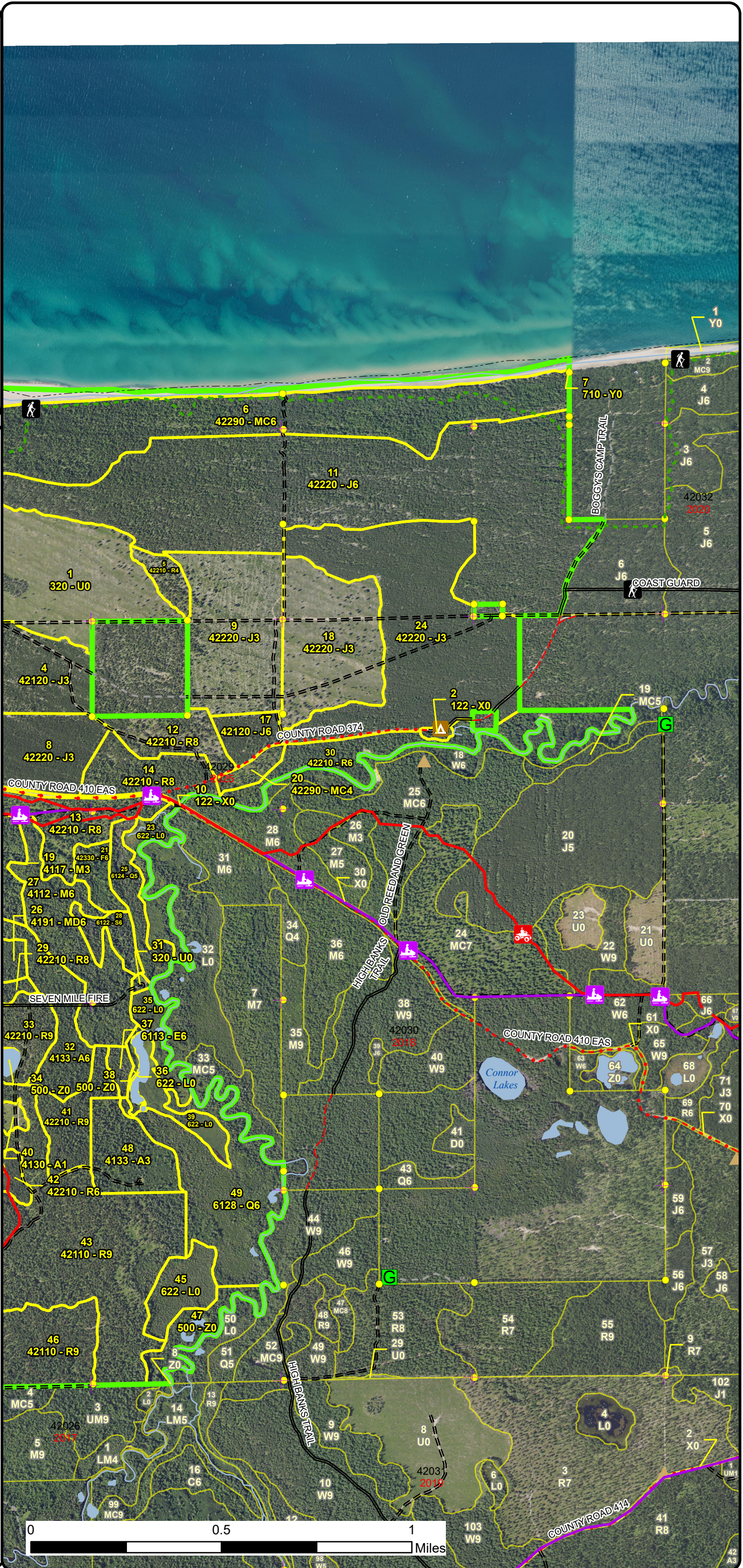


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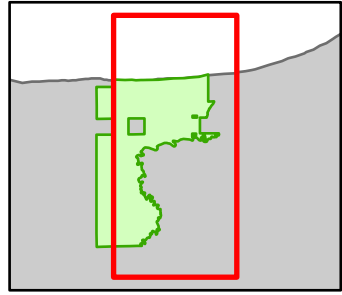
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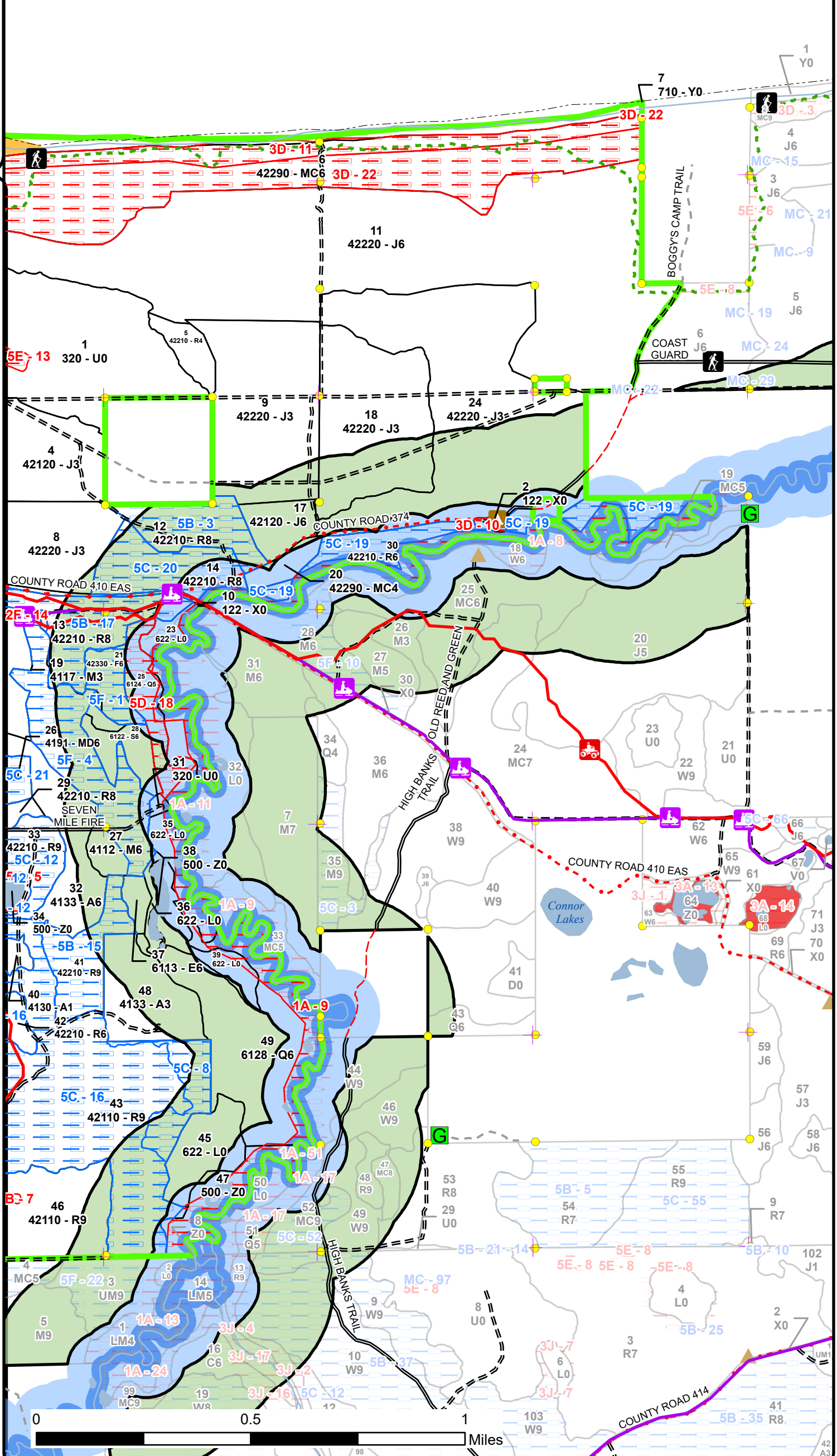


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Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Unseen-Aged	Total
Aspen	0	8	27	29	24	0	0	0	0	0	0	0	0	0	0	0	0	0	88
Jack Pine	0	62	68	0	105	132	0	0	271	0	0	0	0	0	0	0	0	0	637
Lowland Conifers	0	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	66	82
Lowland Deciduous	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	4
Lowland Shrub	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	6	16
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	27
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	140	146
Northern Hardwood	0	0	0	21	0	0	0	0	55	0	0	0	0	0	0	0	0	0	76
Red Pine	0	0	0	0	0	0	0	0	337	155	21	0	0	0	0	0	0	0	513
Sand, Soil	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Upland Shrub	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140
Upland Spruce/Fir	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	9
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Water	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
<b>Total</b>	<b>250</b>	<b>70</b>	<b>95</b>	<b>50</b>	<b>129</b>	<b>141</b>	<b>0</b>	<b>4</b>	<b>689</b>	<b>155</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>239</b>	<b>1848</b>



## Report 2 – Treatment Summary

**Newberry Mgt. Unit**  
**Year of Entry: 2025**

**Acres of Harvest**

**Compartment 29**  
**Total Compartment Acres: 1,846**

Commercial Harvest - 270  
 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	Overshory Removal	Salvage	Other	Total Acres
Jack Pine	271	0	0	0	0	0	0	0	0	271
<b>Total</b>	<b>271</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>271</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	271	0	0	0	0	0	8	0	0	278
Next Step	0	541	541	0	0	0	541	0	0	1623
<b>Total</b>	<b>271</b>	<b>541</b>	<b>541</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>549</b>	<b>0</b>	<b>0</b>	<b>1901</b>



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

11	42029011-Cut	270.5	42220 - Natural Jack Pine	Poletimber Well	70	171- 200	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut, leave oak. Leave 3-10% patch retention. Retention: along the North Country Trail ~ 50 foot buffer and adjacent timber sale to the SE, buffer strip along road in center of stand, and along steep ridges where access is difficult.</p> <p><u>Specs:</u> Leave all oak.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Planting, Unfurrowed; SitePrep, Scarification;</p> <p><u>Treatments:</u> Monitoring, Artificial Regen(1yr)</p> <p><u>Acceptable</u> Jack Pine with components of Red and White Pine, Red Oak, Birch, and some Maple.</p> <p><u>Regen:</u></p> <p><u>Other</u> Acreage may change due to topography/retention.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
40	42029040-Monitor	7.8	4130 - Aspen	Sapling Poor	4	Immature	Monitoring	Natural Regen (Intermediate)	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Monitor for natural Jack Pine regeneration.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack Pine with component of other Pine and some Aspen, Maple, Birch.</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 /2024</p>											

**Total Treatment Acreage Proposed: 278.3**

## Report 4 – Site Conditions

Newberry Mgt. Unit

Compartment: 29

Victor Porteous : Examiner

Year of Entry: 2025

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions										
		With Condition	Not Available		5B	5C	5F	1A	2F	3B	3D	5D	5E		
87	87	0	0	Aspen											
637	637	0	0	Jack Pine											
82	49	0	34	Lowland Conifers				20					14		
4	4	0	0	Lowland Deciduous											
60	41	0	19	Lowland Shrub				19							
16	16	0	0	Lowland Spruce/Fir											
27	0	27	0	Mixed Upland Deciduous		27									
146	6	0	140	Natural Mixed Pines				0				140			
76	36	40	0	Northern Hardwood			40								
512	96	387	29	Red Pine	79	308	0	21	5	0					3
21	19	0	1	Sand, Soil								1			
140	139	0	0	Upland Shrub				0							0
9	0	9	0	Upland Spruce/Fir			9								
5	4	0	2	Urban				0				2			
24	9	0	15	Water				13							1
1,846	1,144	463	239	Total Forested Acres	79	335	49	73	5	0	143	14			4
	62%	25%	13%	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	5F: Evaluated for Forest Health Considerations	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Natural River Corridor. Evaluated for SBW.							
3	Available	5B: Maintain for regeneration purposes	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Newberry Mgt. Unit  
Victor Porteous : Examiner

Compartment: 29  
Year of Entry: 2025

4	<b>Available</b>	<b>5F: Evaluated for Forest Health Considerations</b>	40	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Evaluated for SBW.							
5	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>3B: Threatened, endangered, and special concern species</b>	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Cedar, Spruce, White Pine, and Balsam Fir all present. Was part of PVT, now state-owned.							
9	<b>Unavailable</b>	<b>1A: Federal/State/Local Law</b>	73	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Natural River management zone							

## Report 4 – Site Conditions

Newberry Mgt. Unit  
Victor Porteous : Examiner

Compartment: 29  
Year of Entry: 2025

10	<b>Unavailable</b>	<b>3D: Recreational / Scenic values</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Reed and Green Campground							
11	<b>Unavailable</b>	<b>3D: Recreational / Scenic values</b>	35	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> NCT and Lake Superior shoreline							
12	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>2F: Too steep</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Available</b>	<b>5B: Maintain for regeneration purposes</b>	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Newberry Mgt. Unit

Compartment: 29

Victor Porteous : Examiner

Year of Entry: 2025

16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	226	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	Available	5B: Maintain for regeneration purposes	37	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	Unavailable	5D: Unproductive Forest Land	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> In the Two-Hearted River Zone, so must follow guidelines for harvest. May be ready for harvest at next inventory cycle.							
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Newberry Mgt. Unit

Compartment: 29

Victor Porteous : Examiner

Year of Entry: 2025

22	Unavailable	3D: Recreational / Scenic values	106	Unspecified	Unspecified	Unspecified	Unspecified
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**Comments:**

2023- Thought about proposing treatment to cut Jack Pine out of stand. Topography and access would make this difficult.



**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>Reed &amp; Green Bridge Campground</b>	Concentrated Recreation Area	State Forest Campground	<b>SCA</b>	0
<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

Conservation Area	Type	Description
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	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.
HCVA	Legally dedicated Natural Areas, Wilderness or Wild Areas	The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
1	320 - Upland Shrub	Nonstocked	138.4	0	Unspecified	4222 - Natural Jack Pine	Stand had all jack pine removed as part of Two Heart Jack, #027-15. Some scattered individual red pine remain. Scarify complete 9/15/17. FTP 42-882. Regen survey 5/22/2023: Approximately 65% stocked 12-24" jack pine with areas of moderate stocking now slowly filling in with new trees from this year. Stocking approximately 700 TPA. Should look at again for mortality upon next inventory.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								White Pine	Trace	< 5 feet	Seeding	
								Jack Pine	High	< 5 feet	Seeding	
Red Pine	Trace	< 5 feet	Seeding									
2	122 - Road/Parking Lot	Nonstocked	1.6	0	Unspecified	No	Reed and Green State Forest Campground; 7 designated campsites; Tahquamenon Falls SP management.					
4	42120 - Planted Jack Pine	Sapling Well	33.0	31	Immature	N/A	Stand was cut in 97'. Young jack pine saplings with small component of White Pine, 2-4" dbh. Very thick. Some large Red Pine overstory.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Jack Pine	80	Sapling	3	31
								Red Pine	15	Log	13	
White Pine	5	Sapling	3									
5	42210 - Natural Red Pine	Poletimber Poor	8.4	75	81-110	N/A						
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	10	Log	12	
Red Pine	90	Log	12	75								
6	42290 - Natural Mixed Pine	Poletimber Well	139.8	112	111-140	N/A						
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Pine	30	Log/XLog	16	112
								Jack Pine	50	Pole	7	112
								Red Oak	20	Pole/Log	12	112
								Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple	Medium	5 - 10 feet	Sapling									
Balsam Fir	Medium	< 5 feet	Sapling									
Jack Pine	Low	5 - 10 feet	Sapling									
Red Oak	Medium	5 - 10 feet	Sapling									
7	710 - Sand, Soil	Nonstocked	20.7		Unspecified	No						
8	42220 - Natural Jack Pine	Sapling Well	60.7	31	81-110	N/A	Good regeneration coming up, few large red pine mixed within. Also there were two small patches of trees in the stand that were combined into stand 8 rather than stand 13. These were kept as retention within stand 8 from the previous cutting.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	5	Pole/Log	10	
								Jack Pine	90	Sapling/Pole	4	31
Red Pine	5	Log	16	85								
9	42220 - Natural Jack Pine	Sapling Well	67.9	15	Immature	N/A	Young Jack Pine stand, lots of regen, small amount of W. Pine incorporated. 1- 2 1/2" diameter avg. 6-10' tall.  Regen 2013: 616 TPA of jack pine.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	5	Pole	10	
								Red Pine	5	Pole	8	
Jack Pine	90	Sapling	2	15								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
10	122 - Road/Parking Lot	Nonstocked	3.7		Unspecified	No																																																			
11	42220 - Natural Jack Pine	Poletimber Well	270.5	70	171-200	N/A	2013. Large natural jack pine stand that was just acquired by the state. Very few red and white pine within the stand. 2023. Large natural jack pine stand. Very small component Red and White Pine.																																																		
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12	42210 - Natural Red Pine	Sawtimber Medium	20.6	99	111-140	N/A	Mature Red Pine stand, has decent Red Pine regen mixed with some Jack Pine.																																																		
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13	42210 - Natural Red Pine	Sawtimber Medium	42.2	83	51-80	N/A	Harvested via Thinning in 2016 as part of Two Heart Jack, #027-15.  Good White and Red Pine regeneration coming in, along with some Maple and Paper Birch.																																																		
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14	42210 - Natural Red Pine	Sawtimber Medium	25.5	87	111-140	N/A	Large red pine in the stand with some large white pine as well. Good Spruce and Red Maple regen coming in, with some White Pine as well.																																																		
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15	4113 - R.Maple, Conifer	Poletimber Well	8.2	77	81-110	N/A	2013-Stand has many smaller 5-8" trees that have defects in them. The stand is slightly thin for the covertype. 2023- Red Maple/Balsam mix. Stand largely consists of 7-9" individuals, there are mature trees in the 15-18" range scattered throughout as well. Lots of snags and natural thinning taking place.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
16	4130 - Aspen	Sapling Well	23.6	34	Unspecified	N/A	Stand is mainly aspen with balsam fir and paper birch coming in. Some Sugar Maple as well. There are a few large scattered red pine and white pine in the stand.																																													
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17	42220 - Natural Jack Pine	Poletimber Well	11.5	31	Unspecified	N/A	Semi-mature Jack Pine stand, has large Red Pine overstory. Few scattered Red Oak, especially along road to south.																																													
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18	42220 - Natural Jack Pine	Sapling Well	61.7	6	Immature	N/A	Removed all Jack Pine, some large Red and White Pine left. Part of Two Heart Jack 42-27-15, Scarification complete 9/15/17. FTP 42-882.  5/19/2023 Heavy Jack Pine regen, over 75% stocked, avg seedlings are 12-24" tall. Large White Pine overstory/seed tree.																																													
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19	4117 - Mixed N. Hardwood - Pine	Sapling Well	20.6	26	Immature	N/A	Stand was cut in 95', jack pine regen has given way to the deciduous species, mostly Sugar Maple with some Red Maple. Large Red and White Pine mixed throughout.																																													
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20	42290 - Natural Mixed Pine	Poletimber Poor	6.3	90	81-110	N/A	Removed all jack pine, some large red pine left. part of Two Heart Jack 42-27-15.  Overstory consists of mainly Red Pine, with scattered White Pine. Undergrowth mainly Balsam and Red Maple.																																													
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21	42330 - Upland Fir	Poletimber Well	9.4	44	Unspecified	N/A	Stand has steep ridges make logging very difficult. Stand has heavy balsam fir and spruce component with red pine sparsely scattered throughout.																																													
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<b>22</b>	6122 - Black Spruce	Poletimber Well	6.1	89	Unspecified	N/A	Wet with bog in middle of stand. Well stocked, Spruce, Balsam, with some Red and White Pine.																																									
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<b>23</b>	622 - Lowland Shrub	Nonstocked	15.4		Unspecified	No																																										
<b>24</b>	42220 - Natural Jack Pine	Sapling Well	131.9	41	171-200	N/A	Southwest of stand along road has mix of Red and White Pine, few scattered Oaks. The rest of stand is healthy young Jack Pine. East/West road through middle of stand is very tight, barely passable by pickup, no room for turn-around. 4-stick average height.																																									
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<b>25</b>	6124 - Lowland Spruce-Fir	Poletimber Medium	16.3	79	Unspecified	N/A																																										
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<b>26</b>	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	26.8	79	111-140	N/A	Center pocket almost entirely a young Aspen stand. West side of stand is very wet with some Hemlock, Balsam, and Maples. Outside of stand has log-sized Sugar Maple, some Red Maple. Large Red and White Pine throughout stand. Large amount of Striped Maple understory. Some very large White Pine 40+"																																									
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<b>27</b>	4112 - Maple, Beech, Cherry Association	Poletimber Well	46.8	70	51-80	N/A	Pole sized hardwood stand with both Red and Sugar Maple. Good amount of Balsam component. Large White Pine scattered throughout stand.																																									
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<b>28</b>	6122 - Black Spruce	Poletimber Well	10.3	75	Unspecified	N/A	Stand has steep ridges making access difficult. Spruce - fir component dominated stand. North side of stand is large steep ridgeline.																																									
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<b>29</b>	42210 - Natural Red Pine	Sawtimber Medium	24.1	70	81-110	N/A	Stand was cut in 97', red pine poles with white pine mixed throughout.																																											
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<b>30</b>	42210 - Natural Red Pine	Poletimber Well	42.6	80	111-140	N/A	Two hearted river zone, mature Red and Jack Pine, with decent Red Oak regeneration with some Red Maple.																																											
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<b>31</b>	320 - Upland Shrub	Nonstocked	1.1		Unspecified	No	Small turn-around that some use to access the Two-Hearted river. Evidence of campfires.																																											
<b>32</b>	4133 - Aspen, Mixed Pine	Poletimber Well	28.6	26	Unspecified	N/A	Aspen mixed with white and red pine along with balsam fir and white spruce. Small red maple scattered throughout. Stand data from previous inventory and cutting records.																																											
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<b>33</b>	42210 - Natural Red Pine	Sawtimber Well	23.0	82	81-110	N/A	Crown thinning in 2018 as part of Crop Circle Red Pine, #023-16.																																											
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<b>34</b>	500 - Water	Nonstocked	2.4		Unspecified	No																																												
<b>35</b>	622 - Lowland Shrub	Nonstocked	11.8		Unspecified	No																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
37	6113 - Lowland Maple	Poletimber Well	4.0	64	Unspecified	N/A	Two hearted river zone. Stand is very wet.																																					
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38	500 - Water	Nonstocked	2.2		Unspecified	No																																						
39	622 - Lowland Shrub	Nonstocked	12.0		Unspecified	No																																						
40	4130 - Aspen	Sapling Poor	7.8	4	Immature	N/A	Clearcut in 2018 as part of Crop Circle Red Pine, #023-16. To be scarified in 2019 under FTP 42-907. 7/28/2020: Stand Scarified summer of 2020. 5/22/2023: Good Birch and Aspen regeneration. Some Red Pine coming in as well. No Jack Pine can be seen as of yet. Will continue to monitor for 2-3 years.																																					
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41	42210 - Natural Red Pine	Sawtimber Well	21.0	85	81-110	N/A	Mature Red Pine stand with mix of White Pine. About 75-80% canopy closure. White Pine and Balsam regen throughout, while central and east central areas of stand have good amount of Bigtooth Aspen regeneration with Red Maple component.																																					
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42	42210 - Natural Red Pine	Poletimber Well	6.1	77	111-140	N/A	Mix of pole and log sized Red Pine with Jack Pine throughout. Possibly ready for harvest at next inventory cycle.																																					
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43	42110 - Planted Red Pine	Sawtimber Well	240.9	76	81-110	N/A	Crown thinning in 2018 as part of Crop Circle Red Pine, #023-16. Understory looks to be completely Aspen at first glance, but some R Maple and W Pine present as well. If left alone, conversion to Aspen stand is possible. Upon next inventory cycle, would go final harvest, then steps to replant back to R Pine.																																					
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45	622 - Lowland Shrub	Nonstocked	18.1		Unspecified	No	Stand consists mostly of small tag alder and stunted black spruce with leatherleaf.																																				
46	42110 - Planted Red Pine	Sawtimber Well	57.8	74	81-110	N/A	Crown thinning in 2018 as part of Crop Circle Red Pine, #023-16. Hawk nest noted.																																				
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48	4133 - Aspen, Mixed Pine	Sapling Well	27.4	15	Immature	N/A	Acquired property in 2015. Cut between 2005 and 2009. Good Aspen regeneration, 2-4" dia. Large White Pine overstory with some Red Pine.																																				
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49	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	66.1	85	Unspecified	N/A																																					
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