



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32202

Entry Year 2024

Acreage: 953

County Marquette

Management Area: Huron Mountains

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**Stand Examiner:** Jason Caron

## Legal Description:

T50N-R26W, Section 18

T50N-R27W, Sections 1, 2, 9, 10, 11, 12 & 18.

## Identified Planning Goals:

Planning will focus on timber management, fisheries management and wildlife habitat management. Public access, forest roads, forest regeneration, forest health, forest fire management, forest recreation, stream crossings, water quality and any resource damage are critical assessments considered during the forest mapping and inventory process. Overall management strives to provide for a diverse, healthy and productive forest through planning and implementation of sustainable, proper forest treatments.

## Soil and topography:

Soils range from alluvial in the Yellow Dog River floodplain to Sandy outwash to loamy sands to sandy loams. Topography ranges from level to hilly with moderate to steep slopes.

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

State ownership in this area is primarily surrounded by non-industrial private ownerships some of which are residential. Corporate lands occur to the north and south of the portions of this compartment east of County Road 550. Land use is primarily for forest production and passive recreation.

## Unique Natural Features:

Granite Bedrock Glade (see MNFI database). Potential for red-shouldered hawk in northern hardwood stands and potential for wood turtle along Yellow Dog River and Johnson Creek.

## Archeological, Historical, and Cultural Features:

Evidence of old white pine logging camps exist along the river. Log slides where the pine logs were fed into the river are still visible.

## Special Management Designations or Considerations:

Management planning will be designed to protect the Yellow Dog River and its tributaries.

## Watershed and Fisheries Considerations:

## Wildlife Habitat Considerations:

Compartment 202 is found within the Huron Mountains Management Area, on a Bedrock-Controlled Ground Moraines and till-floored lake plains in northern Baraga and Marquette Counties. Most of the natural communities in this area are mesic northern forests and poor conifer swamps. Major forest cover types include Northern Hardwood, Aspen and Hemlock. The area receives significant snowfall and represents almost 20% of the WUP State Forest hemlock resource. This area provides critical wintering habitat for white tailed deer, especially along the Lake Superior shoreline. Additionally, some of the largest tracts of mature forest in the Great Lakes (e.g. McCormick Tract, Craig's Lake Wilderness State Park, and the Huron Mountain Club) occur within or adjacent to this management area. The current condition and spatial arrangement of these areas provide some of the best opportunities within the WUP, state, and Great Lakes for area sensitive wildlife that require large tracts of mature forest, mesic conifer or corridors between such areas. The wildlife priority here is to manage for old growth forest characteristics, in a fairly un-fragmented condition, with particular emphasis on protecting the hemlock component. This strategy will protect thermal cover, provide for wildlife movement corridors, and provide habitat for a variety of species. This includes minimizing habitat fragmentation; ensuring adequate coarse woody debris; retain or develop large living and dead standing trees (for cavities); mesic conifer; mature forest; within-stand diversity; closed canopy forest; and deer wintering complexes.

The following have been identified as featured species for the Huron Mountains Management Area: American Marten, Blackburnian Warbler, and White-Tailed Deer.

## Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. The nearest active sand/gravel pit is more than three miles northwest. There may be some potential for sand within the compartment. Bedrock is at or near the surface throughout the area. Potential for development of bedrock formations for dimension stone is low. Eagle Mine is just over five miles west, and there are some historical copper/silver/gold prospects southeast of the compartment, but no known ground-based mineral exploration has occurred within the compartment and potential for metallic minerals beneath the compartment is considered low at this time. There has been no recent State mineral leasing activity in the vicinity. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

**Vehicle Access:**

Vehicle access is good with County Road 510 & 550 providing adequate access. Also, the Bushy Creek Truck Trail provides good access within sections 9 & 10 of this compartment.

**Survey Needs:**

No survey needs for this year of entry.

**Recreational Facilities and Opportunities:**

No recreational facilities exist. Recreational opportunities consist of hunting, gathering, fishing, and biking.

**Fire Protection:**

Fire concern is fairly low within this compartment due to the deciduous forest types and wetter ground. Access for fire could be a concern however within the interior of the compartment due to the lack of roads and wet ground.

**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**

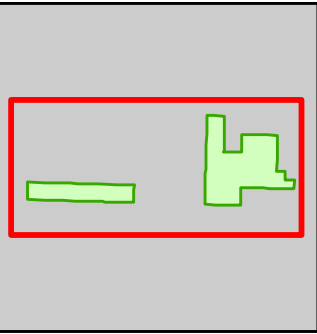
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

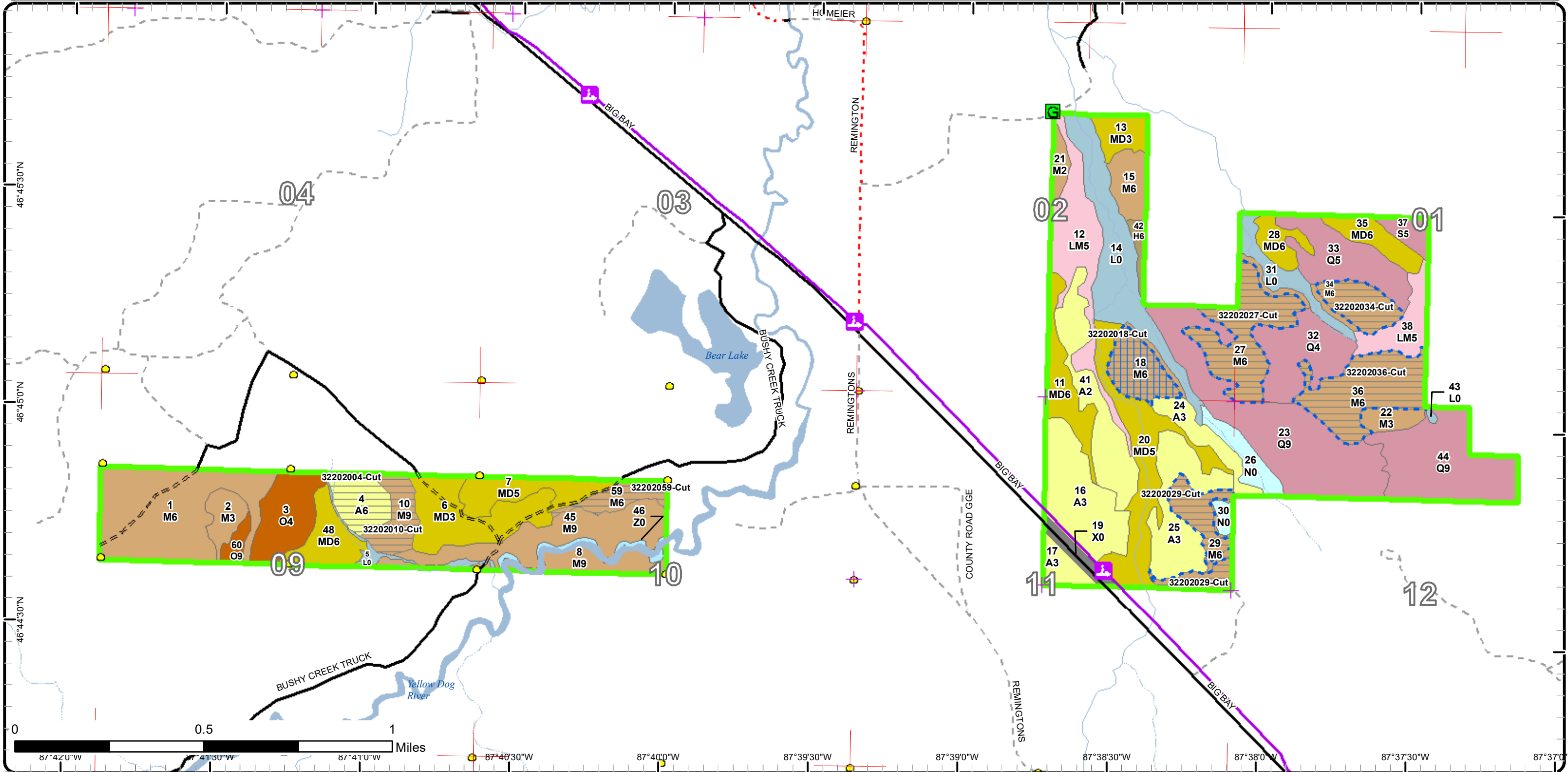


# Cover Type & Treatments Map

Compartment: 202  
 T50N,R27W, Sec.01, 02, 11, 12,  
 9, 10, 18  
 T50N, R26W Sec. 18  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Huron Mountains  
 YOE: 2024  
 Acres: 953 GIS Calculated  
 Examiner: Jason Caron  
 Map Revised: 8/18/2022  
 Map Phase: Web-Post

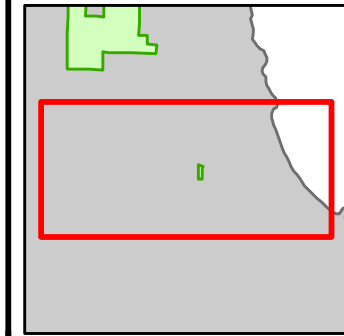


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- G Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

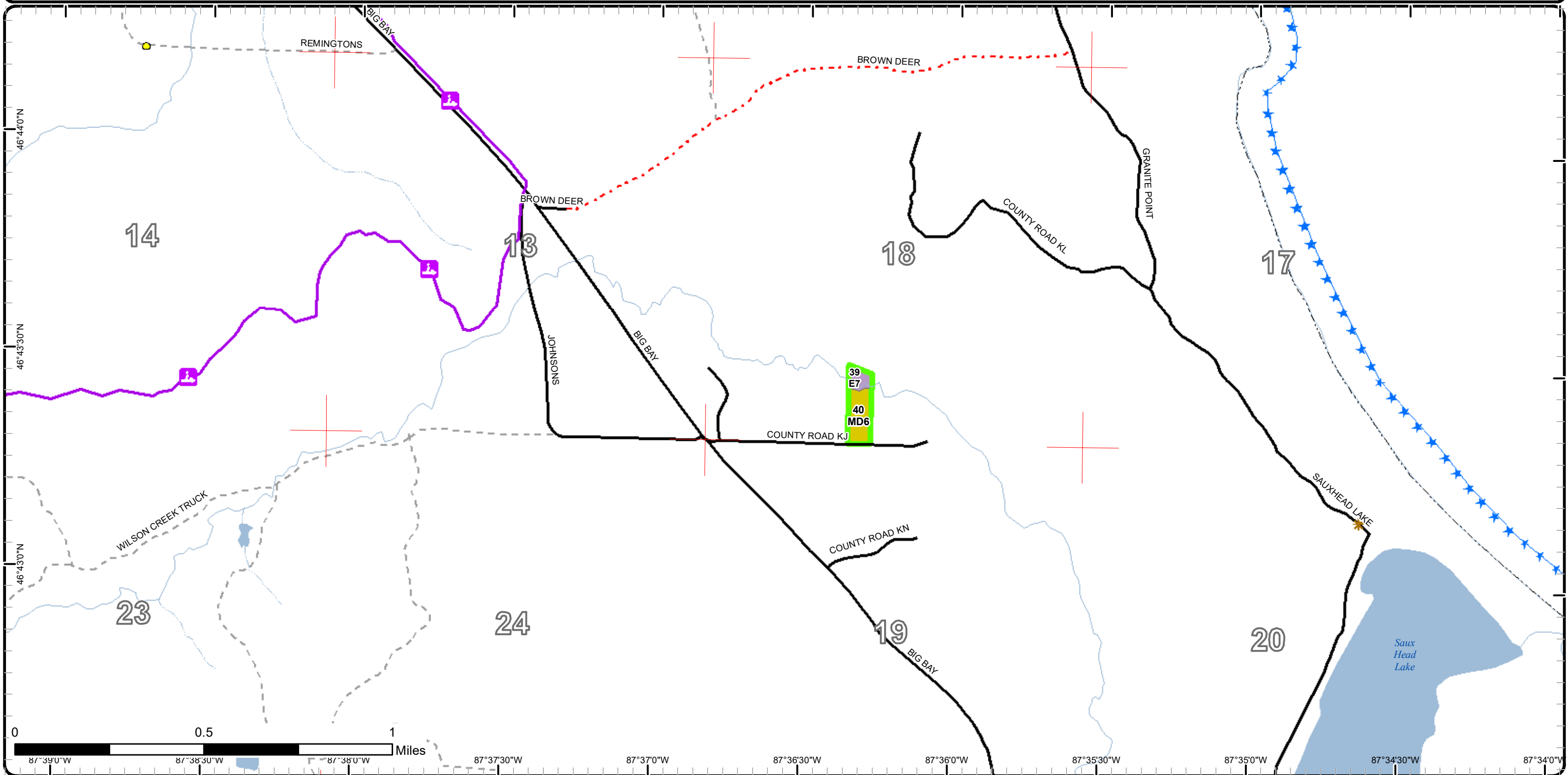


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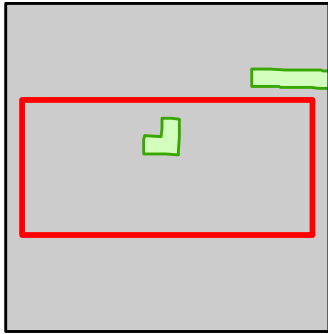


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- Perennial River
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- Lakes and Rivers
- Compartment Boundary
- 419 - Mixed Upland Deciduous
- 611 - Lowland Deciduous Forest

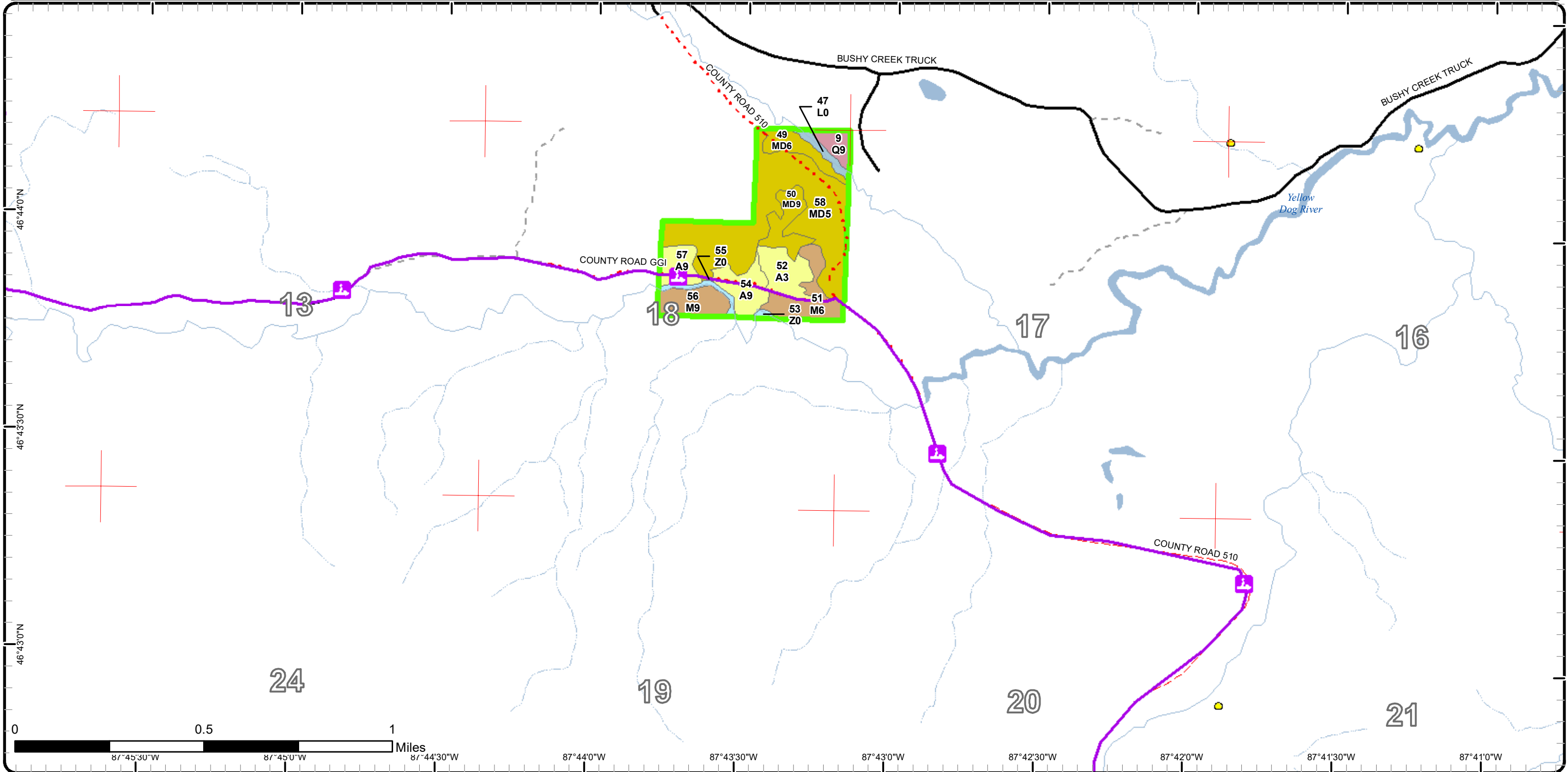


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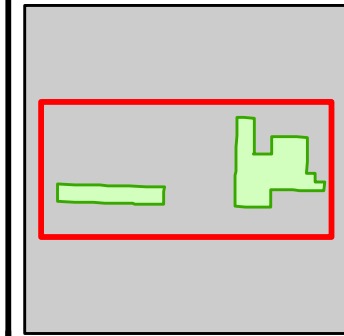


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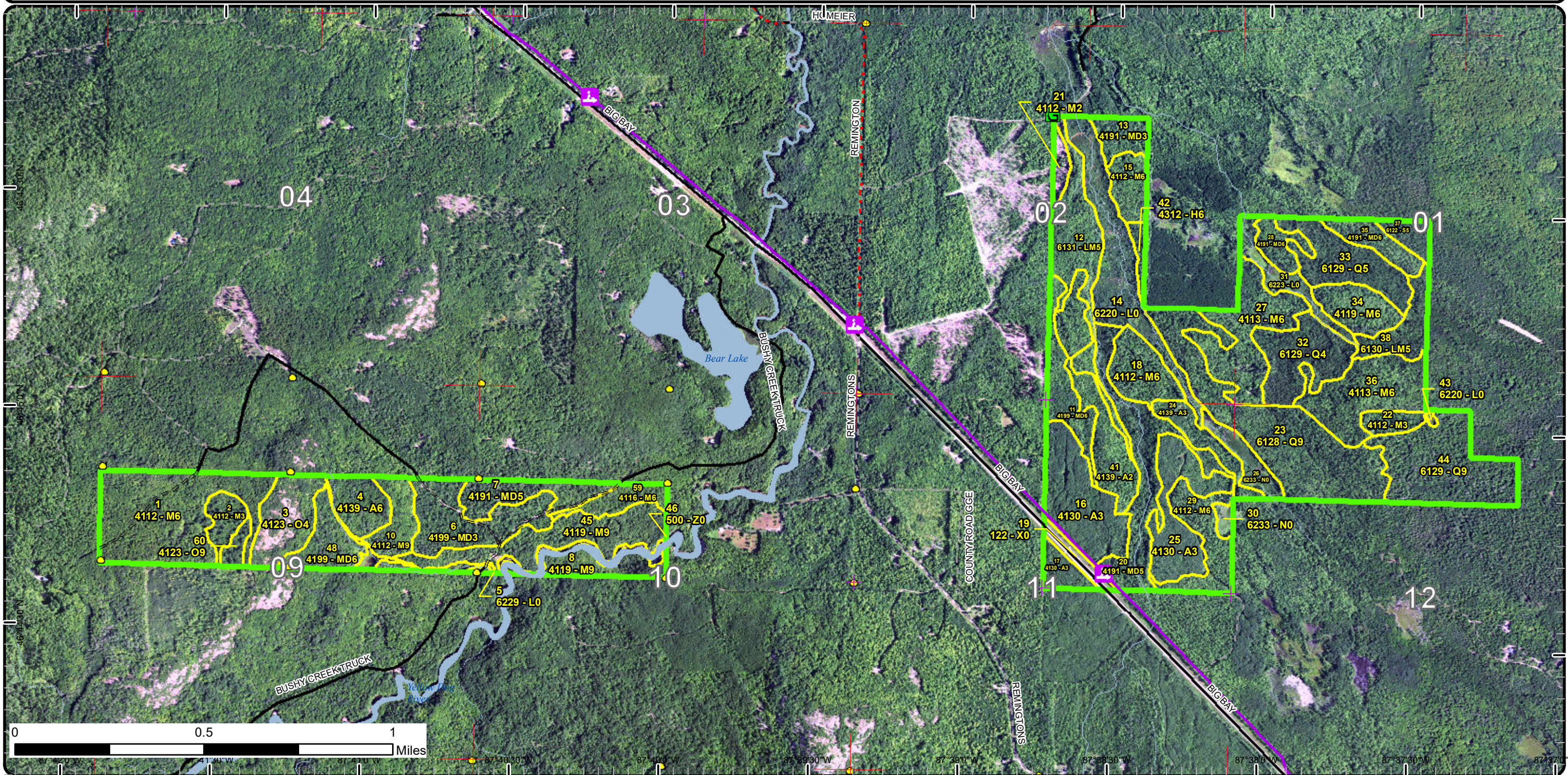


# Stand Boundary Map

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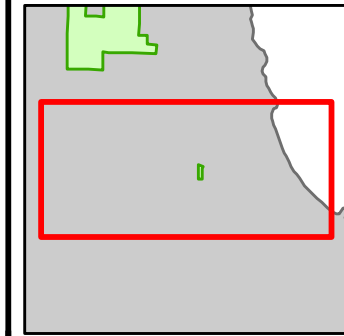


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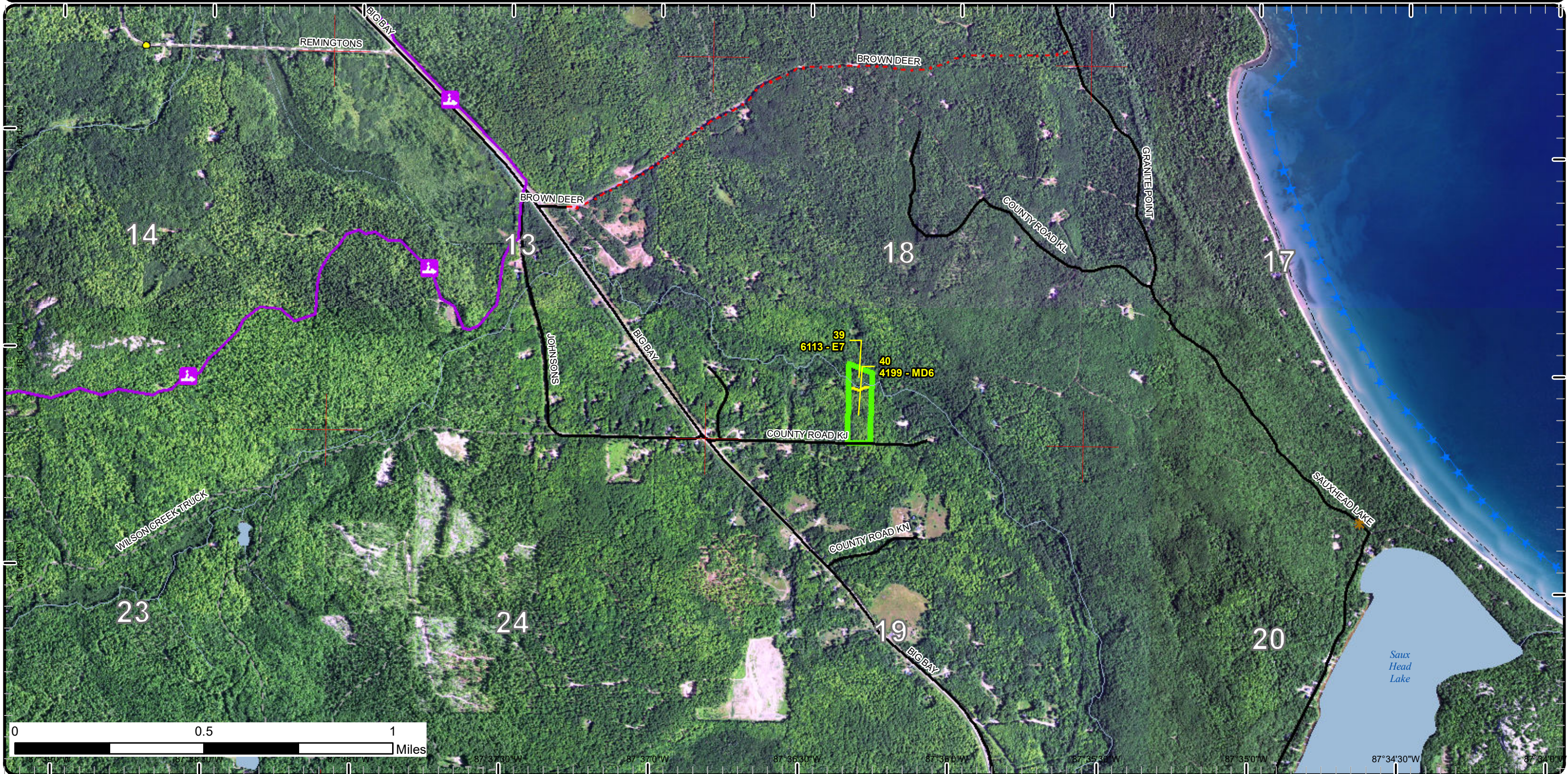


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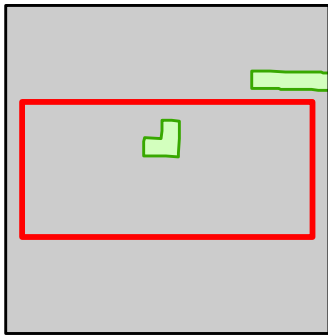
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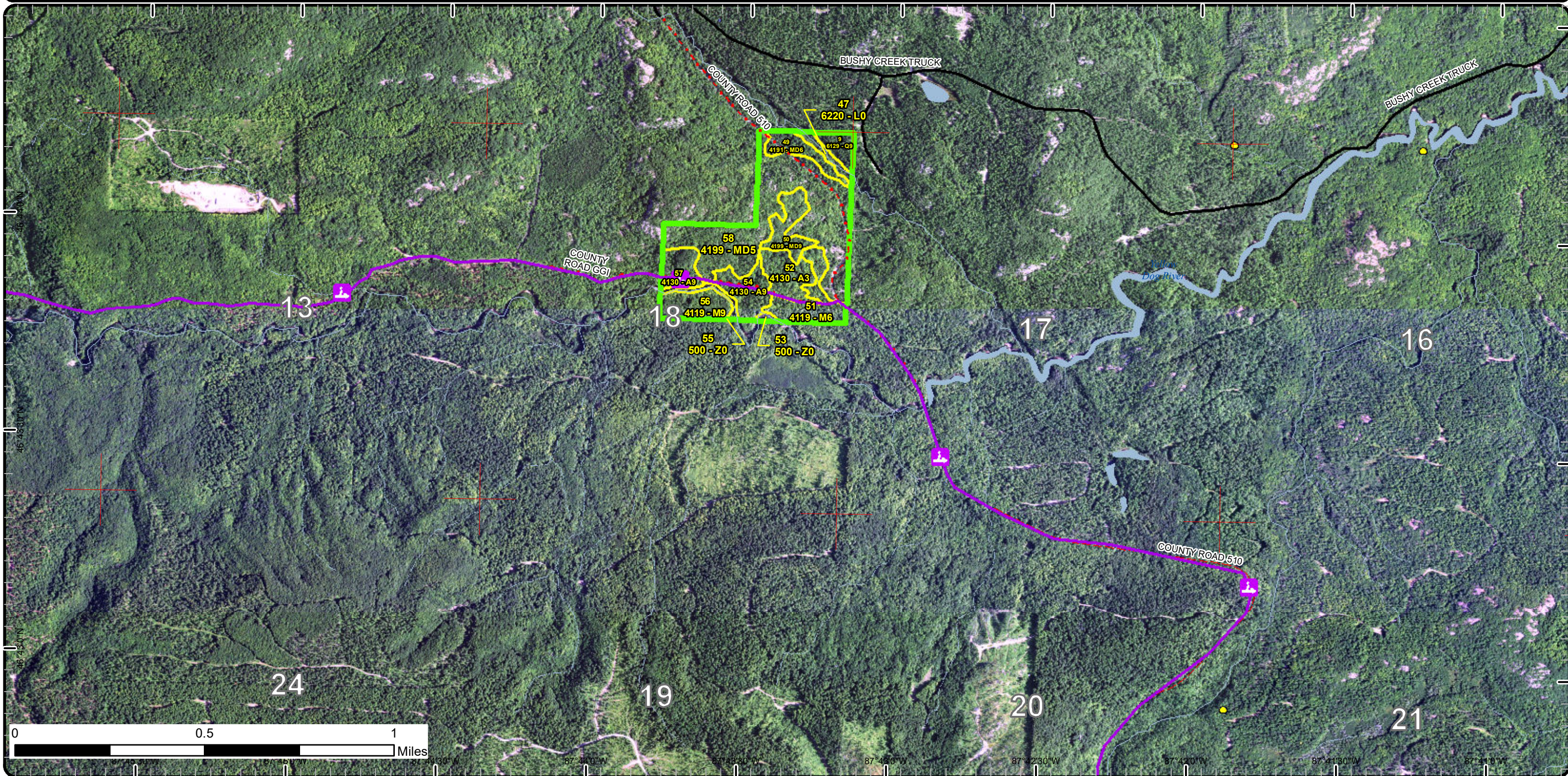


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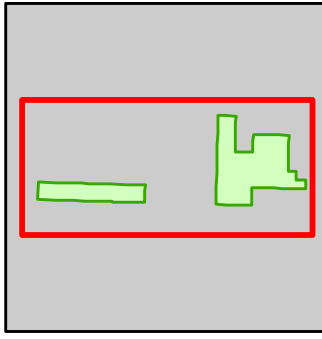


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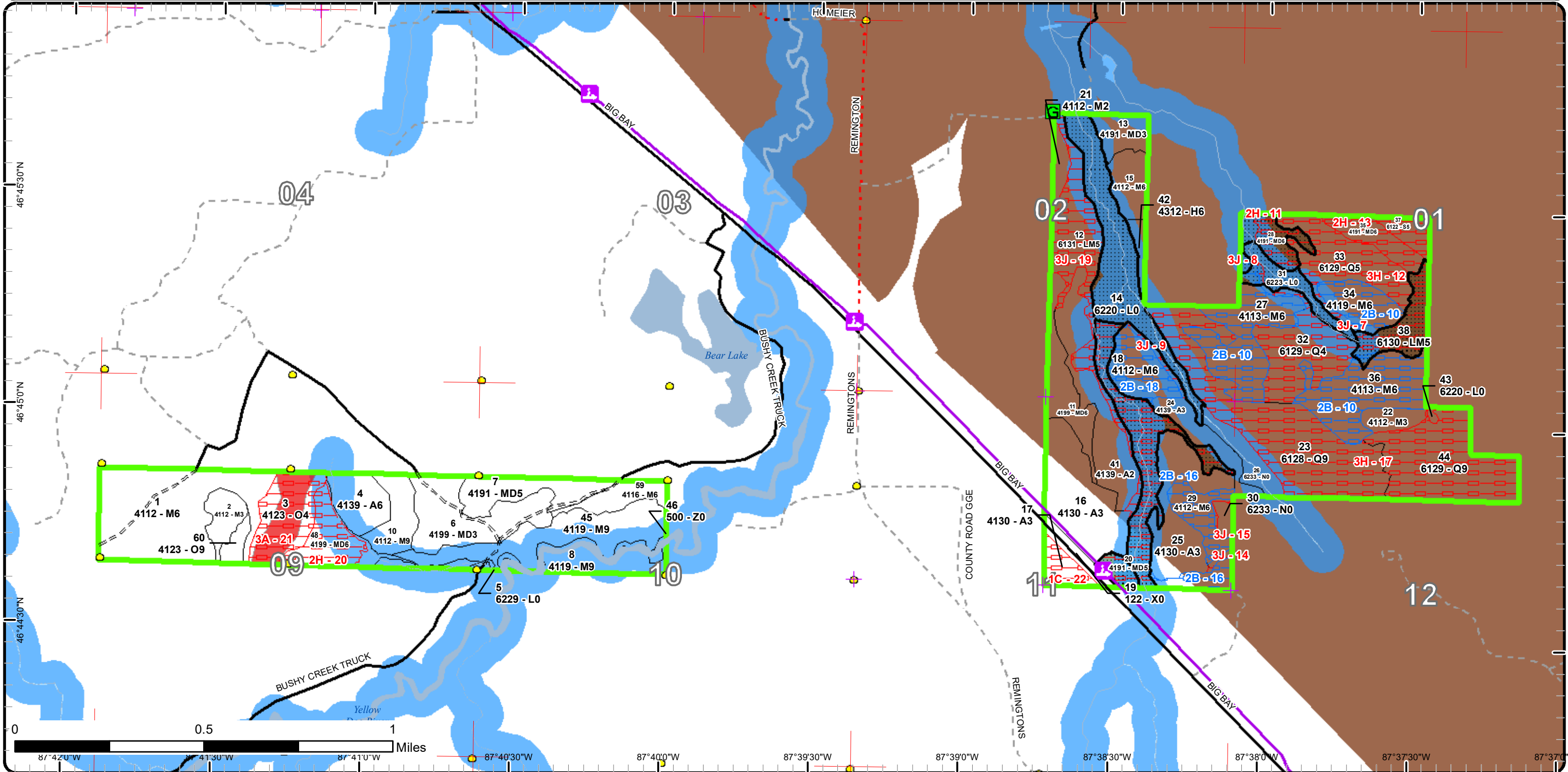


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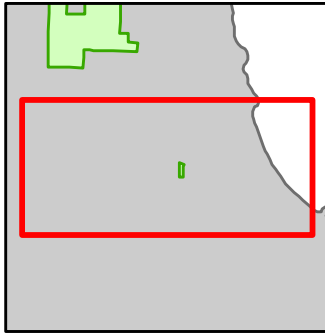


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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 1C: Other dept or div proc/practices
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range
- Vernal Pool

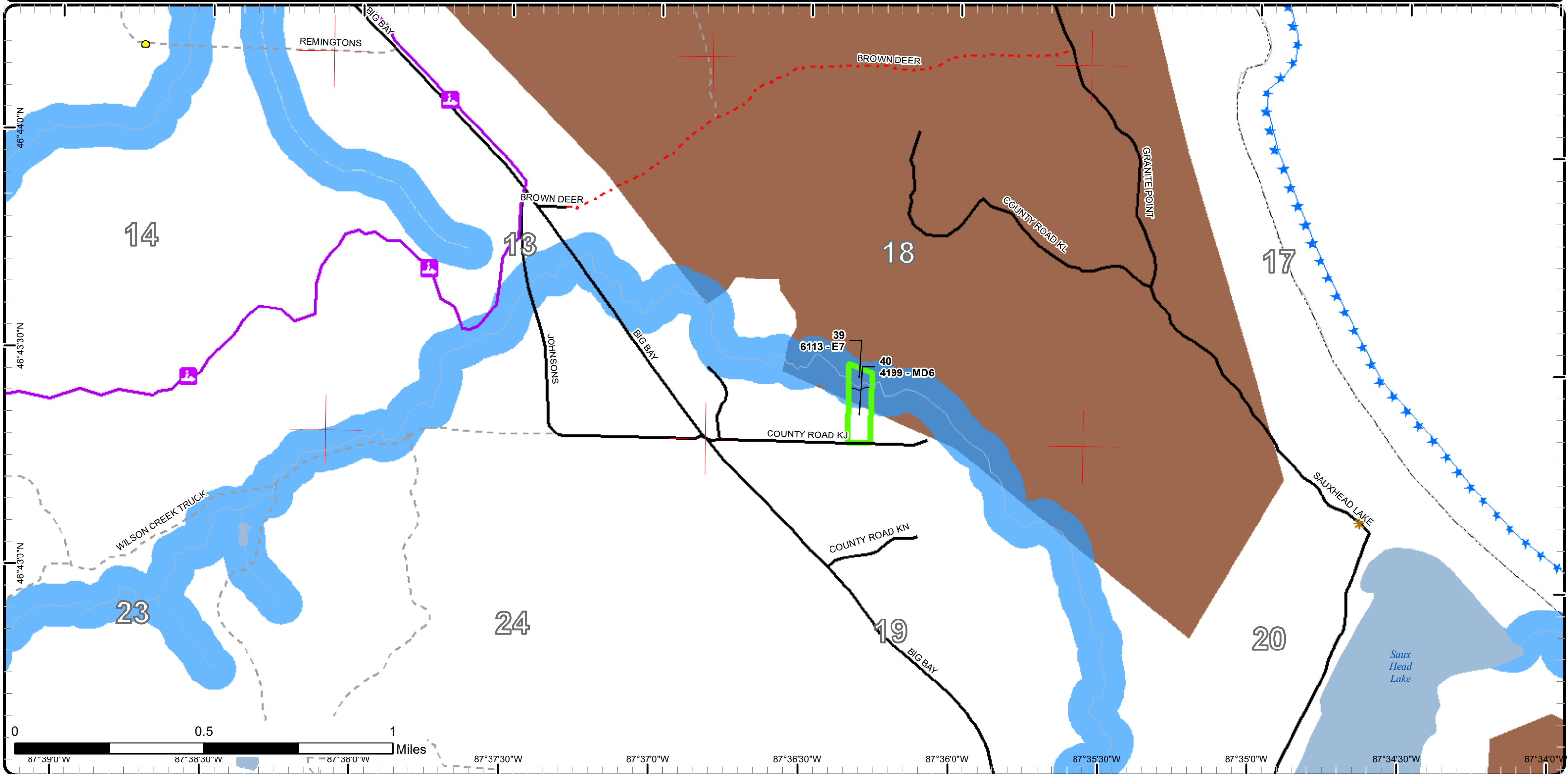


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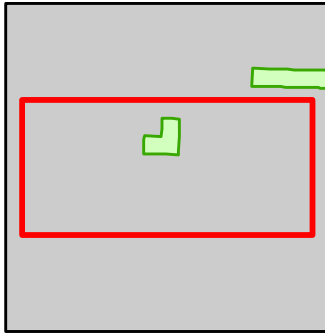


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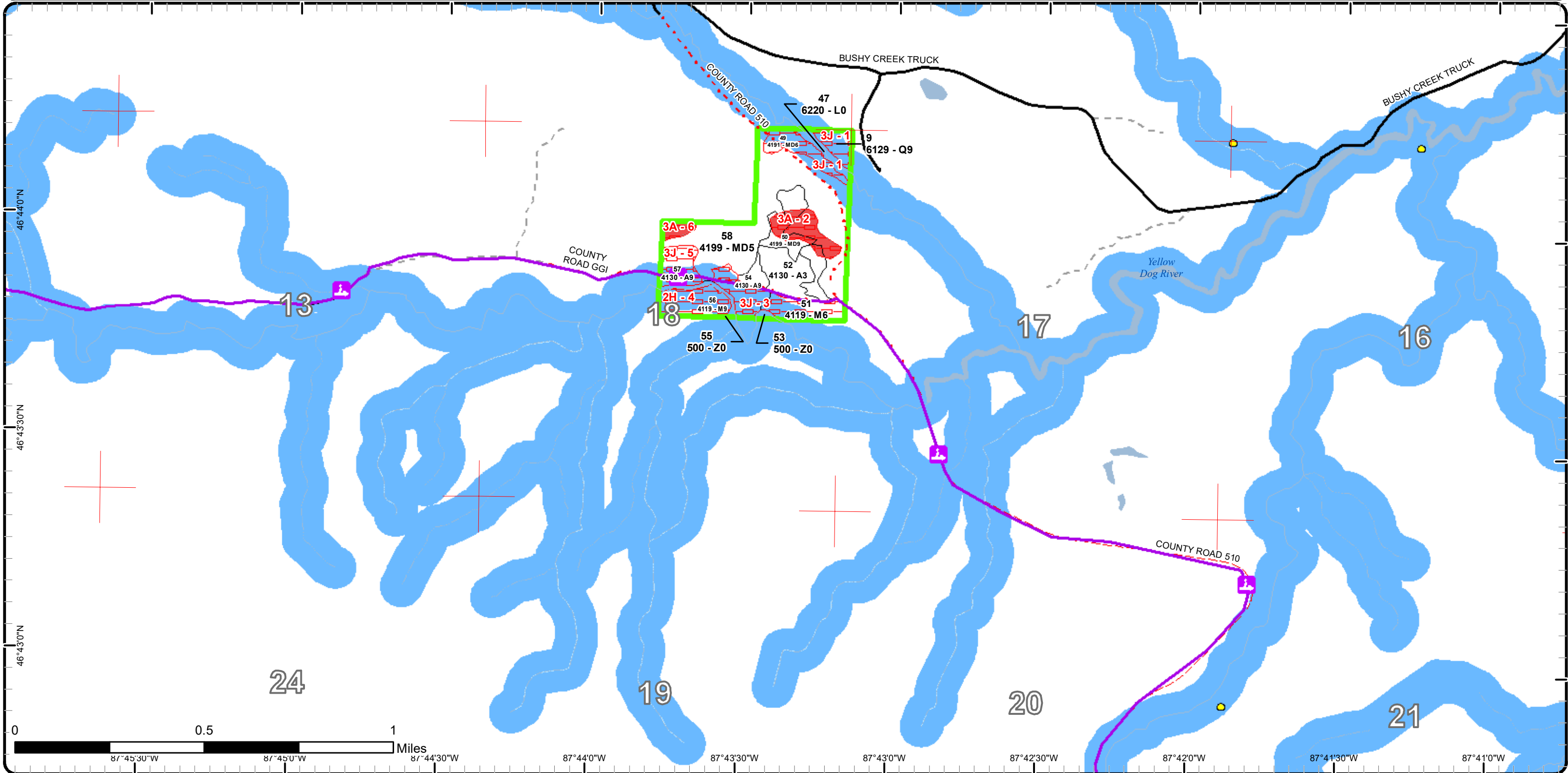


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- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Ecological Reference Areas
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- Cold Water Lakes
- High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	36	44	32	0	0	0	0	15	0	13	0	0	0	0	0	0	0	140
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
Lowland Conifers	0	0	0	0	0	0	0	0	25	0	132	0	0	0	0	0	4	0	161
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	13	0	29	0	0	0	0	0	0	42
Lowland Shrub	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	6
Marsh	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Mixed Upland Deciduous	0	0	29	9	67	0	6	0	25	8	65	0	0	0	0	0	0	0	208
Northern Hardwood	0	4	8	6	0	0	0	0	42	79	44	102	0	0	0	0	0	0	285
Oak	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	0	0	24
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Water	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
<b>Total</b>	<b>80</b>	<b>40</b>	<b>81</b>	<b>47</b>	<b>67</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>107</b>	<b>100</b>	<b>262</b>	<b>155</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>951</b>



## Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 202  
Total Compartment Acres: 953

Commercial Harvest - 34  
Harvests with Site Condition - 107  
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	13	0	0	0	0	0	0	0	0	13
Northern Hardwood	113	0	0	15	0	0	0	0	0	128
<b>Total</b>	<b>126</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>141</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	141	0	0	0	0	0	0	0	0	141
Next Step	0	0	0	0	0	0	141	0	0	141
<b>Total</b>	<b>141</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>141</b>	<b>0</b>	<b>0</b>	<b>282</b>



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

<b>4</b>	<b>32202004-Cut</b>	13.0	4139 - Aspen, Mixed Deciduous	Poletimber Well	90	81-110	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Clearcut with reserves. Red line out areas to meet retention guidelines. Retention patches will include under-represented species.</p> <p><u>Specs:</u> WLD Comments: Retain all red oak. Retention pocket should include some big tooth aspen.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen, spruce, fir, pine, oak, hemlock, cedar, birch, and maple.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
<b>10</b>	<b>32202010-Cut</b>	11.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	70	81-110	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Clearcut with reserves. Red line out areas to meet retention guidelines. Retention patches will include under-represented species.</p> <p><u>Specs:</u> WLD Comments: Retain all red oak and white pine.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen, spruce, fir, pine, oak, hemlock, birch, and maple.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
<b>18</b>	<b>32202018-Cut</b>	14.6	4112 - Maple, Beech, Cherry Association	Poletimber Well	99	51-80	Harvest	Seed Tree with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Seed tree with reserves. Red line out areas to meet retention guidelines. Buffer will serve as retention along the east side of this stand. Do not harvest under represented species within the stand.</p> <p><u>Specs:</u> WLD Comments: Do not harvest hemlock. Red line out hemlock exclusions to prevent root damage from harvest operations. Add a winter harvest spec to this stand/sale.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Aspen, spruce, fir, pine, oak, hemlock, maple, birch, and cedar.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>27 32202027-Cut</b>	30.6	4113 - R.Maple, Conifer	Poletimber Well	80	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut with reserves. Red line out areas to meet retention guidelines. Stream buffer will serve as retention along the west side of this stand. Retention patches will include under-represented species.</p> <p><u>Specs:</u> WLD Comments: Retain all hemlock and white cedar. Retain some white pine. Add a winter cut spec for this sale.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, spruce, fir, pine, oak, cedar, maple, hemlock, and birch.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>29 32202029-Cut</b>	17.3	4112 - Maple, Beech, Cherry Association	Poletimber Well	90	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Clearcut with reserves. Do not harvest under-represented such as oak, pine, hemlock, and yellow birch.</p> <p><u>Specs:</u> WLD Comments: Add a winter cutting spec to this stand.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Maple, Birch, Pine, Oak, Aspen, Fir, Spruce, and Cherry.</p> <p><u>Regen:</u></p> <p><u>Other</u> I excluded an ash swale within the SE portion of the stand. This will serve as both retention and soils protection (BMP's).</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>34 32202034-Cut</b>	12.9	4119 - Mixed Northern Hardwoods	Poletimber Well	80	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut with reserves. Red line out areas to meet retention guidelines. Stream buffer will serve as retention along the west side of this stand. Retention patches will include under-represented species.</p> <p><u>Specs:</u> WLD Comments: Add a winter cutting spec to this stand.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, spruce, fir, pine, oak, maple, and birch.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>36 32202036-Cut</b>	31.8	4113 - R.Maple, Conifer	Poletimber Well	80	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut with reserves. Red line out areas to meet retention guidelines. Retention patches will include under-represented species.</p> <p><u>Specs:</u> WLD Comments: Favor white pine. Add a winter cutting spec to the stand.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, spruce, fir, pine, oak, hemlock, cedar, maple, and birch.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										





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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
59 32202059-Cut	8.9	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	90	81-110	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Clearcut with reserves. No cut on oak, basswood, pine, yellow birch, hemlock, and cedar.</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 Regen:</u> Aspen, spruce, fir, pine, oak, hemlock, maple, and birch.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

Total Treatment 141  
Acreage Proposed:

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Jason Caron : Examiner

Compartment: 202  
Year of Entry: 2024

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions							
		With Condition			2B	1C	2H	3A	3H	3J		
141	121	0		20	Aspen		7					13
3	3	0		0	Hemlock							
161	0	0		161	Lowland Conifers					157		4
2	2	0		0	Lowland Deciduous							
42	0	0		42	Lowland Mixed Forest					13		29
55	55	0		0	Lowland Shrub							
6	0	0		6	Lowland Spruce/Fir					6		
12	12	0		0	Marsh							
208	125	0		83	Mixed Upland Deciduous			32	9			41
285	154	107		23	Northern Hardwood	107		9	0			14
24	4	0		20	Oak				20			
5	5	0		0	Urban							
8	8	0		0	Water							
953	490	107		356	Total Forested Acres	107	7	41	30	176		102
	51%	11%		37%	Relative Percent							

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Unavailable	3A: Conservation Values incompatible with harvest at this time	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> ERA: "lost Creek Outcrops" Granite Bedrock Glade.							

**Report 4 – Site Conditions**

Gwinn Mgt. Unit  
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3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> A small seep/intermittent stream exists within this corner of the stand.							
4	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> No roads exist through private land to harvest this stand. Also, the northern half would have to be buffered due to the yellow dog river.							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	2F: Too steep	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Southern end of the stand is a buffer against the yellow dog river. Stand is also too steep to operate.							
6	Unavailable	3A: Conservation Values incompatible with harvest at this time	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> ERA: "Lost Creek Outcrops" Granite Bedrock Glade.							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Gwinn Mgt. Unit  
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9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	Available	2B: Unknown if access through adjacent landowner(s) is possible	75	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	25	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

Gwinn Mgt. Unit  
Jason Caron : Examiner

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15	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	Available	2B: Unknown if access through adjacent landowner(s) is possible	17	2I: Survey needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	151	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	Available	2B: Unknown if access through adjacent landowner(s) is possible	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	64	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
20	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
Steep granite ridge on the west side of the stand and a stream on the east. Stream has a large floodplain type ridge and is not conducive for a portable bridge placement.							

**Report 4 – Site Conditions**

**Gwinn Mgt. Unit**  
**Jason Caron : Examiner**

**Compartment: 202**  
**Year of Entry: 2024**

21	<b>Unavailable</b>	<b>3A: Conservation Values incompatible with harvest at this time</b>	20	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
22	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Currently up for a potential land disposal.							



**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>32202014</b>	Spring Wetlands Riparian Area	Spring Seep	<b>SCA</b>	37
<b>Comments</b> SCA = Bottom lands of and riparian zone protection for the Johnson Creek.				
<b>32202020</b>	Spring Wetlands Riparian Area	Spring Seep	<b>SCA</b>	30
<b>Comments</b> SCA = Bottom lands of and riparian zone protection for the Johnson Creek.				
<b>32202028</b>	Spring Wetlands Riparian Area	Spring Seep	<b>SCA</b>	11
<b>Comments</b> SCA = Riparian zone protection for the Johnson Creek. Contains drains that feed the creek.				
<b>32202031</b>	Spring Wetlands Riparian Area	Spring Seep	<b>SCA</b>	11
<b>Comments</b> SCA = Riparian zone protection for the Johnson Creek.				



**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.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																		
1	4112 - Maple, Beech, Cherry Association	Poletimber Well	55.6	100	81-110	N/A	Selectively cut in 2012: TS#316-06-01. Stand varies in basal area depending on where you are. Some areas are more dense (NW part of stand) while other areas are more average. 5 BA swings were taken and the average was 92 square feet. Overall, the stand looks good and can be managed again in the next entry period. A small stream flows north/south through the stand. Red maple is good quality overall.																																																																		
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2	4112 - Maple, Beech, Cherry Association	Sapling Well	7.8	12	Immature	N/A	Stand was harvested in 2010. TS#316-06-01. Stand consists of mostly red maple and aspen regeneration. Scattered mature oak exist within the stand as well. Good advanced oak regeneration along the stand edge as well.																																																																		
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3	4123 - Red Oak	Poletimber Poor	20.4	105	1-50	N/A	This stand is designated as an ERA: Granite Bedrock Glade. EO ID: 4782. Exposed bedrock through most of the central part of the stand. Stand offers a great view of the surrounding landscape as the terrain slopes down considerably to the east.																																																																		
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4	4139 - Aspen, Mixed Deciduous	Poletimber Well	13.0	90	81-110	N/A	Stand of mixed deciduous. Stand contains some hilly topography in spots. Stand can be managed.																																																																		
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5	6229 - Mixed lowland shrub	Nonstocked	4.4		Unspecified	No	Feeder stream to the Yellow Dog along with a beaver flooding.																																																																		
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6	4199 - Other Mixed Upland Deciduous	Sapling Well	28.7	12	Immature	N/A	Harvested in 2010 using the seed tree method: TS#316-06-01. Stand consists of a mix of red maple, red oak, and quaking aspen. Average DBH is around 2". Scattered mature trees exist throughout the stand.																																																																																																			
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7	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	16.5	77	51-80	N/A	No notes of treatments in the stand but it appears the stand was managed as some type of shelter wood quite some time ago. What remains is a two - aged stand with scattered mature oak with a mix of advanced regeneration. Canopy gaps consist of a mix of 4" dbh red oak and red maple. White pine and red oak in the understory.																																																																																																			
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8	4119 - Mixed Northern Hardwoods	Sawtimber Well	13.3	100	81-110	N/A	Riparian zone and floodplain along the Yellow Dog River. Unique stand which looks to have historically flooded. Stand acts as a riparian buffer to the river. Ash within the stand has EAB and will soon be dead.																																																																																																			
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9	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	4.1	185	171-200	N/A	Stand acts as a buffer to the Lost Creek. Stand consists of old growth hemlock mixed with a few cedar and red maple. A small sliver of high ground exists in the NE corner with some large white pine on it. I do see a couple of old stumps within the stand, I feel it should be classified at Type 2 OG.																																																																																																			
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10	4112 - Maple, Beech, Cherry Association	Sawtimber Well	11.9	70	81-110	N/A	Stand of poorer quality maple and aspen.																																																																				
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11	4199 - Other Mixed Upland Deciduous	Poletimber Well	15.7	34	51-80	N/A	Stand resulted from a major windthrow event in 1988. Heavy to aspen in the south grading to mixed hardwood to the north. Stand has now grown into the pole size class.																																																																				
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12	6131 - Hemlock, White Pine, Maple, Birch	Poletimber Medium	28.8	100	51-80	N/A	Stand contains a various mixture of species depending on where you are within the stand. A few pockets of mature large diameter hemlock exist to the north while there are ash and lowland species to the south. Most of the stand is lowland with a few upland pockets.																																																																				
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13	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	8.7	20	Immature	N/A	Young stand of aspen and red maple.																																																																				
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14	6220 - Alder/willow	Nonstocked	36.9	0		No	Riparian zone protection for the Johnson Creek. Stand includes the creek and it's associated bottomlands as well as beaver floodings and meadows.																																																																				



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15	4112 - Maple, Beech, Cherry Association	Poletimber Well	10.3	75	81-110	N/A	Stand contains pole sized red maple with scattered hemlock and yellow birch.																																																												
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16	4130 - Aspen	Sapling Well	32.3	26		N/A	Cut in 1996: TS# 16-95. Stand consists of good quality, fully stocked aspen. Stand will be pole sized by the next inventory cycle.																																																												
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19	122 - Road/Parking Lot	Nonstocked	5.0			No	County Road 550.																																																												
20	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	35.2	90	51-80	N/A	Riparian zone and bottomlands of the Johnson Creek.																																																												
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23	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	63.6	99	111-140	N/A	Stand of mixed lowland conifer. Canopy gaps contain a mix of pole sized red maple and paper birch. Understory consists of fir and hemlock regeneration. Some high ground islands exist within the stand. Mature fir and spruce is in poor condition due to the budworm outbreak.																																																								
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24	4139 - Aspen, Mixed Deciduous	Sapling Well	11.0	15		N/A	Harvested in 2007: TS# 123-04-01. South part of stand acquired from JM longear since last YOE.																																																								
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25	4130 - Aspen	Sapling Well	26.4	15		N/A	Cut in 2007: TS# 123-04-01. Stand consists of good quality, fully stocked aspen. Stand will be pole sized by the next inventory cycle.																																																								
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27	4113 - R.Maple, Conifer	Poletimber Well	32.9	80	81-110	N/A	Stand of poorer quality red maple. Scattered white pine and hemlock within the stand. A heavy fir understory exists.																																																	
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28	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	8.0	88	81-110	N/A	Stand consists of mixed deciduous and conifer. Fir and white spruce are showing signs of decline due to budworm. Paper birch is declining as well due to age.																																																	
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29	4112 - Maple, Beech, Cherry Association	Poletimber Well	18.9	90	81-110	N/A	Stand of poor quality red maple with scattered mature hemlock throughout.																																																	
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30	6233 - Wet Meadow	Nonstocked	2.6			No	Beaver meadow.																																																	
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31	6223 - Inundated Shrub Swamp	Nonstocked	10.9			No	Active beaver floodings and old beaver meadows on a tributary of the Johnson Creek.																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**32** 6129 - Mixed Coniferous Lowland Forest Poletimber Poor 25.8 99 1-50 N/A Contains tag alder inclusions. Very wet in places due to water drainages.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	30	Pole	7	99	Balsam Fir	Medium	5 - 10 feet	Sapling
White Pine	5	Pole/Log	10		Black Spruce	Medium	5 - 10 feet	Sapling
Tamarack	20	Pole	6		Northern White Cedar	Low	5 - 10 feet	Sapling
Red Maple	5	Pole	6		Tag Alder	High	5 - 10 feet	Tall Shrub
Yellow Birch	3	Pole	7					
Black Spruce	30	Pole	6					
Paper Birch	2	Pole	7					
Balsam Fir	5	Pole	6					

**33** 6129 - Mixed Coniferous Lowland Forest Poletimber Medium 24.9 78 1-50 N/A Significant tag alder inclusions. Pockets of pole sized cedar amongst tag alder pockets. Ground is low. Small diameter black ash mixed within the tag alder but is dead standing due to the evidence of EAB within the stems (wood pecker damage).

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	2	Pole	10		Balsam Fir	Medium	5 - 10 feet	Sapling
Red Maple	6	Pole	6		Red Maple	Low	10 - 20 feet	Sapling
Paper Birch	2	Pole	7		Tag Alder	High	5 - 10 feet	Tall Shrub
Balsam Fir	10	Pole	6		Black Spruce	Low	5 - 10 feet	Sapling
White Spruce	5	Pole	7					
Black Spruce	15	Pole	6					
Northern White Cedar	40	Pole	8	78				
Tamarack	20	Pole	7	78				

**34** 4119 - Mixed Northern Hardwoods Poletimber Well 14.5 80 81-110 N/A Stand of pulp quality red maple. Pole sized fir understory is in poor shape due to budworm. A few scattered mature white pine exist within the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	7	Pole	10		Balsam Fir	High	10 - 20 feet	Sapling
Paper Birch	15	Pole	9					
Balsam Fir	10	Pole	7					
Red Maple	68	Pole/Log	8	80				

**35** 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 10.1 99 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	50	Pole/Log	9	99	Balsam Fir	High	10 - 20 feet	Sapling
Balsam Fir	20	Pole	7		Hazelnut (Beaked)	Low	5 - 10 feet	Tall Shrub
Paper Birch	25	Pole	10		Red Maple	Medium	10 - 20 feet	Sapling
White Spruce	5	Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
36	4113 - R.Maple, Conifer	Poletimber Well	31.8	80	81-110	N/A	Larger stand of red maple mixed with birch, fir, spruce, and white pine. Stand is declining due to age.																																																													
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37	6122 - Black Spruce	Poletimber Medium	5.9	99	1-50	N/A																																																														
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38	6130 - Fir, Aspen, Maple	Poletimber Medium	13.4	80	51-80	N/A	Stand is part of the Johnson Creek watershed. A small stream flows through the middle of the stand. I walked through the west side of the stand and found that all of the black ash had epicormic branches at dbh due to EAB. Ash are essentially dead standing. Portions of the stand will likely fill in with tag alder due to wet soils and loss of canopy cover due to dead ash.																																																													
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39	6113 - Lowland Maple	Sawtimber Poor	2.1	90	1-50	N/A																																																														
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<b>41</b>	4139 - Aspen, Mixed Deciduous	Sapling Medium	26.9	3	Immature	N/A	Stand was cut in the winter of 2018. Remington Road Mix. TS# 117-14 Stand is regenerating back to a mix of red maple stump sprouts and aspen. Stand will continue to fill in. Patches of mature hemlock exist in the northern part of the stand.																																																																																																			
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<b>42</b>	4312 - Hemlock, Mixed Deciduous	Poletimber Well	3.3	122	81-110	N/A	Stand consists of log sized hemlock, red maple and scattered yellow birch. Some areas very dense to mature hemlock. Scattered log/pole cedar exists within the stand as well.																																																																																																			
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<b>43</b>	6220 - Alder/willow	Nonstocked	0.5	0		No	South part of stand acquired from JM longear since last YOE.																																																																																																			
<b>44</b>	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	42.4	99	81-110	N/A	Stand was managed 15-20 years ago by JM Longyear. Harvest consisted of thinning through a mature hemlock stand. Stand now consists of mature hemlock & white pine with canopy gaps. Canopy gaps now contain big tooth aspen, red maple, fir, and hemlock.																																																																																																			
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<b>45</b>	4119 - Mixed Northern Hardwoods	Sawtimber Well	33.0	100	81-110	N/A	Riparian zone and floodplain along the Yellow Dog River. Unique stand which looks to have historically flooded. Stand acts as a riparian buffer to the river. Ash within the stand has EAB and will soon be dead.																																																																																																			
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<b>47</b>	6220 - Alder/willow	Nonstocked	2.6			No	Lost Creek and its associated drainage way.																																																																																																			



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48	4199 - Other Mixed Upland Deciduous	Poletimber Well	14.2	90	81-110	N/A	Stand of mixed deciduous.																																																						
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49	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	6.1	51	81-110	N/A	Stand acts as a buffer to the Lost Creek and is also good wildlife cover. Stand consists of red maple mixed with balsam fir and white pine. Stand is young and in good condition. The white pine is poorer quality.																																																						
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50	4199 - Other Mixed Upland Deciduous	Sawtimber Well	7.9	72	81-110	N/A	OI notes state: MNFI has documented the presence of Granite and Metamorphic Bedrock Glade in this area. Stand consists of mature oak, aspen, and maple that is growing amongst the rock escarpments.																																																						
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51	4119 - Mixed Northern Hardwoods	Poletimber Well	11.0	72	81-110	N/A	OI notes state: MNFI has documented the presence of Granite and Metamorphic Bedrock Glade in this area. 2016- Stand of poorer quality red maple and scattered oak. A few basswood scattered within the stand as well.																																																						
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52	4130 - Aspen	Sapling Well	9.3	3	Immature	N/A	OI notes state: MNFI has documented the presence of Granite and Metamorphic Bedrock Glade in this area. Stand was harvested in early August of 2019. Golden Canine - TS # 028-18 Stand has fully regenerated back to aspen and red maple. Mature oak were not harvested and are scattered throughout the stand.																																																						
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54	4130 - Aspen	Sawtimber Well	8.8	72	Unspecified	N/A	OI notes state: MNFI has documented the presence of Granite and Metamorphic Bedrock Glade in this area. 2022- Stand of old big tooth aspen mixed with maple and oak. Big tooth aspen is decent quality but is old.																																																			
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56	4119 - Mixed Northern Hardwoods	Sawtimber Well	8.6	74	81-110	N/A	Stand acts as a buffer to, and contains the floodplains of, the Yellow Dog River. Contains springs and seeps that feed the river's watershed. Made an edge call on this stand, I couldn't get across the Yellow Dog River.																																																			
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57	4130 - Aspen	Sawtimber Well	6.4	77		N/A	Former OI notes state: MNFI has documented the presence of Granite and Metamorphic Bedrock Glade in this area. Stand contains pockets of mature big tooth aspen. Outside of these aspen pockets the stand consists small diameter red maple with a few oak. Stand is on a hillside sloping toward the Yellow Dog river. A small flowage/ravine exists within the middle of the stand.																																																			
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58	4199 - Other Mixed Upland Deciduous	Poletimber Medium	51.3	36	Immature	N/A	OI notes state: MNFI has documented the presence of Granite and Metamorphic Bedrock Glade in this area. 2016- The majority of this stand is growing on rock. Rugged terrain throughout. Maple and oak are mostly sapling sized to small pole sized. Old pine stumps present from long ago cutting.																																																			
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Ironwood	5	Sapling	4																																																							
White Pine	5	Log/Pole	10																																																							
Bigtooth Aspen	5	Pole	8																																																							
Red Oak	50	Pole/Sapling	6	36																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Maple	Medium	Variable	Sapling																																																							
White Pine	Low	Variable	Sapling																																																							
Sugar Maple	Medium	Variable	Sapling																																																							
Red Oak	Medium	Variable	Sapling																																																							



**Stand**      **Level 4 Cover Type**      **Size Density**      **Acres**      **Stand Age**      **BA Range**      **Managed Site**      **General Comments**

**59**      4116 - Mixed N. Hardwood - Aspen      Poletimber Well      8.9      90      81-110      N/A      Stand primarily red maple and older aspen. Scattered oak and a few pine throughout the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Pole	8		Balsam Fir	Medium	10 - 20 feet	Sapling
Red Pine	2	Log/Pole	12		White Pine	Medium	10 - 20 feet	Sapling
Red Oak	5	Log	16		Red Oak	Medium	5 - 10 feet	Sapling
Quaking Aspen	21	Log	11		Hemlock	Low	10 - 20 feet	Sapling
White Pine	2	Log/Pole	10		Ironwood	Medium	5 - 10 feet	Sapling
Red Maple	60	Log/Pole	10	90	Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub

**60**      4123 - Red Oak      Sawtimber Well      3.6      105      81-110      N/A      Oak shelter wood cut in 2010: TS#316-06-01. Small pocket of oak with a higher basal area. Stand is growing on a rock pile essentially.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	100	Log/Pole	14	105	Quaking Aspen	Low	5 - 10 feet	Sapling
					Hemlock	Low	>20 feet	Pole
					Sugar Maple	High	< 5 feet	Sapling
					Balsam Fir	Medium	10 - 20 feet	Sapling
					Red Maple	High	< 5 feet	Sapling