



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32262

Entry Year 2024

Acreage: 1,653

County Marquette

Management Area: Chain Lakes Moraine

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**Stand Examiner:** Jason Caron

**Legal Description:**

T45N R27W, Sec. 26, 34 and 35

**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:**

Terrain ranges from level swamps and tag alder drainages to rolling or hilly uplands. Major soil series are: Pence fine sandy loam, Karlin sandy loam, Saynor-Rubicon complex, Greenwood and Dawson soils, Rubicon sand, Alcona loamy very fine sand, Rousseau fine sand, Shag silt-loam, Spear very fine sandy loam, Champion-Dishnow complex, Rousseau-Ocqueoc fine sand, Paquin sand, Carbondale and Tawas soils, Croswell-Deford complex and Rubicon-Keweenaw complex.

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

Compartment is bordered by small private parcels to the northeast and state lands to northwest. State land borders compartment to the west. Dickinson County line runs along south side of compartment. A mix of state and small private parcels adjoin the compartment to the south. State land and small private parcels lie along the east edge of compartment. Camps are located on many of the private parcels. The private lands are generally used for hunting and lake recreation, with some timber production occurring.

**Unique Natural Features:**

Kate's Lake and Bryan Creek with various tributaries are within compartment.  
Retired ELF corridor passes through Section 25.

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

Rich Conifer swamp found in southeast portion of Section 35, and is associated with Bryan Creek (Kate's Lake, BC-ranked).

**Special Management Designations or Considerations:**

Site Conditions were placed along forested stands surrounding Bryan Creek and other wetland or water features to preserve the integrity of the water features.

**Watershed and Fisheries Considerations:**

This compartment contains Bryan Creek and borders Kates Lake. Bryan Creek is designated a Type 1 trout stream less than 50' width and has a predicted mean July temperature of 63.0 °F (Cold stream). A 300' buffer is recommended for Bryan Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

A 100' buffer is recommended for Kates Lake to protect shoreland resources in accordance with Best Management Practices.

**Wildlife Habitat Considerations:**

Compartment 262 is found within the Chain Lakes Moraine Management Area, on a Disintegration Moraine in Southwestern Marquette County. The dominant Natural Communities are dry mesic northern forests, poor conifer swamps, and mesic northern forests. This management area offers opportunities to increase diversity and perhaps long-term oak sustainability through under planting white and red pine. Another priority is to maintain or increase wildlife corridors especially along riparian corridors. Wildlife management issues in the management area are: mast (hard and soft); habitat fragmentation; mature forest conditions; mesic conifer; course woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents approximately ¼ of the oak resource on WUP state forest.

The following have been identified as featured species for the Chain Lakes Management Area: black bear, gray jay, pileated woodpecker, Northern goshawk, red crossbill.

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

No known potential exists for commercial oil & gas production in this part of the state. The State-owned Kate's Grade Pit is three miles to the southeast and is currently leased to the Dickinson County Road Commission. There appears to be some good potential for sand & gravel within the compartment. The closest past mining activity is eight miles east. There is no known potential for metallic minerals beneath the compartment, but detailed geologic mapping is lacking, and no known ground-based exploration has occurred. No recent State mineral leasing activity has occurred in the area. 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:**

Charlie Lakes Road, Bryan Creek Road and Kate's Grade are the primary access routes for this compartment. A fairly extensive DNR forest road network provides entry to many areas of the compartment. The south portion of Section 35 lacks good access due to swamps and creeks.

### **Survey Needs:**

No surveys required for this entry period.

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

There are no developed recreational facilities within the compartment. Hunting, fishing, berry picking, mushroom picking, off-road vehicle usage and snowmobiling are important forest uses.

### **Fire Protection:**

This compartment is contained within the "581 Zone Dispatch Area" which provides for a pre-planned dispatch of DNR fire fighting equipment depending on expected forest fire behavior. Areas of jack pine and red pine with numerous dwellings have warranted this designation.

### **Additional Compartment Information:**

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

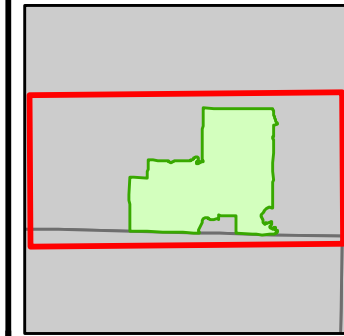
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

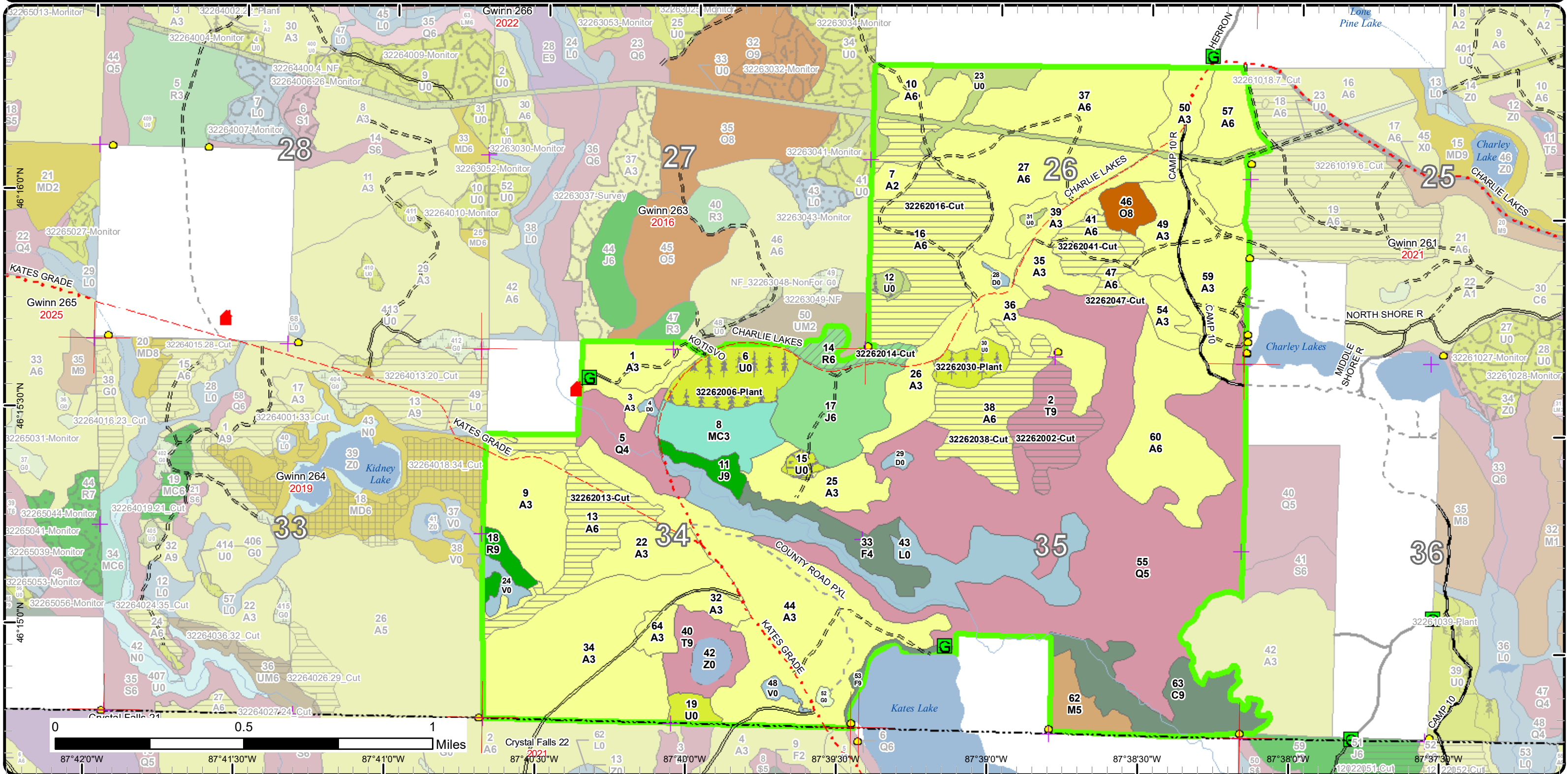
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 262  
 T45N, R27W, Sec: 26, 34, 35  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Chain Lakes Moraine  
 YOE: 2024  
 Acres: 1652.9 GIS Calculated  
 Examiner: Jason Caron  
 Map Revised: 8/18/2022  
 Map Phase: Web-Post



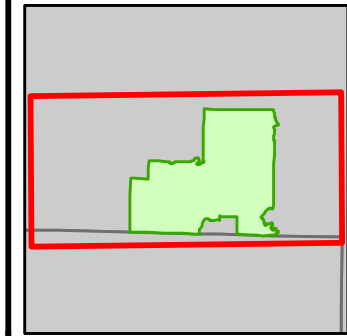
- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- - - County - Gravel Road
- - - County - Dirt Road (Seasonal)
- Private - Paved Road
- - - Private - Dirt / Gravel Road
- 🏠 Cabin
- ▲ Berms
- Ⓜ Gate
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▭ Compartment Boundary
- ▭ Planting (tree species)
- ▭ Clearcut (w/Reserves)
- ▭ Thinning (Crown, Low, Systematic)
- ▭ Regeneration Survey
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub



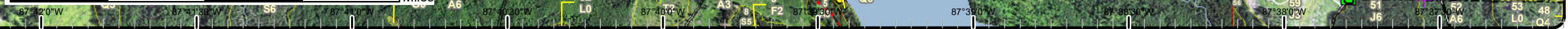
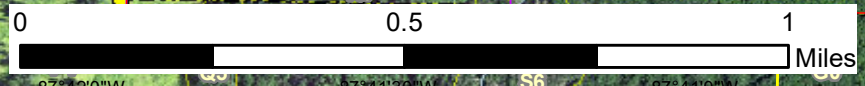
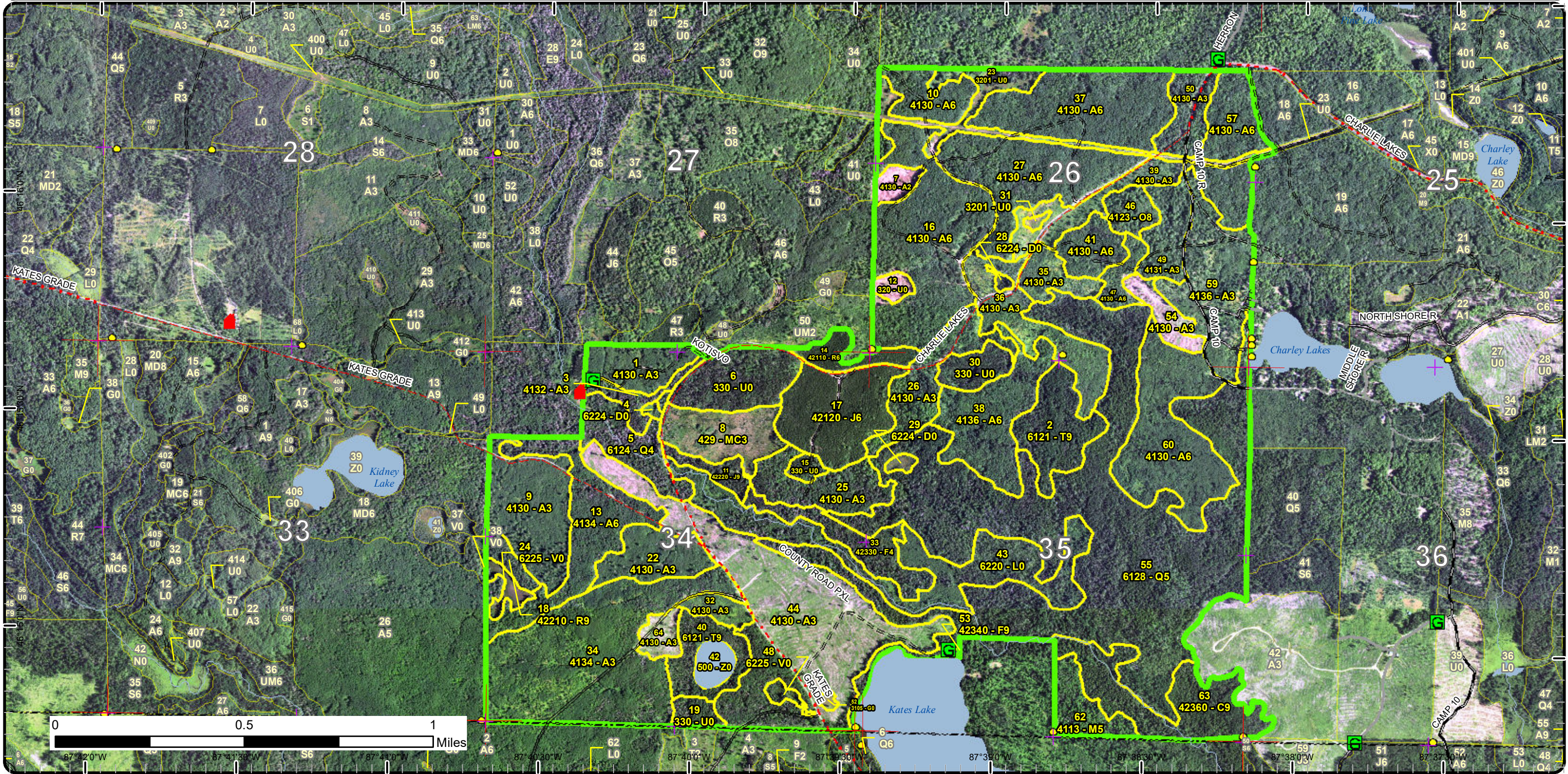


# Stand Boundary Map

Compartment: 262  
 T45N, R27W, Sec: 26, 34, 35  
 County: Marquette  
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 YOE: 2024  
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 Examiner: Jason Caron  
 Map Revised: 8/18/2022  
 Map Phase: Web-Post



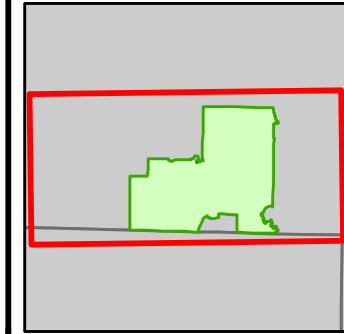
- |                                 |                                 |                         |
|---------------------------------|---------------------------------|-------------------------|
| — Miris Corners                 | --- Intermittent Stream         | 320 - Upland Shrub      |
| — Remonumented Section Corners  | — Lake/Pond                     | 330 - Low Density Trees |
| ● Survey Grade Corners          | — Perennial River               | 500 - Water             |
| - - - Counties                  | — Lakes and Rivers              | 622 - Lowland Shrub     |
| — DNR - Primary Forest Road     | — Compartment Boundary          |                         |
| — DNR - Secondary Forest Road   | — Stand Boundaries              |                         |
| — DNR - Forest Access Route     | 411 - Northern Hardwood         |                         |
| - . - . County - Gravel Road    | 412 - Oak Types                 |                         |
| — County - Dirt Road (Seasonal) | 413 - Aspen                     |                         |
| — Private - Paved Road          | 421 - Planted Pines             |                         |
| — Private - Dirt / Gravel Road  | 422 - Natural Pines             |                         |
| 🏠 Cabin                         | 423 - Other Upland Conifers     |                         |
| 📍 Berms                         | 429 - Mixed Upland Conifers     |                         |
| 🟢 Gate                          | 612 - Lowland Coniferous Forest |                         |
|                                 | 310 - Herbaceous Openland       |                         |



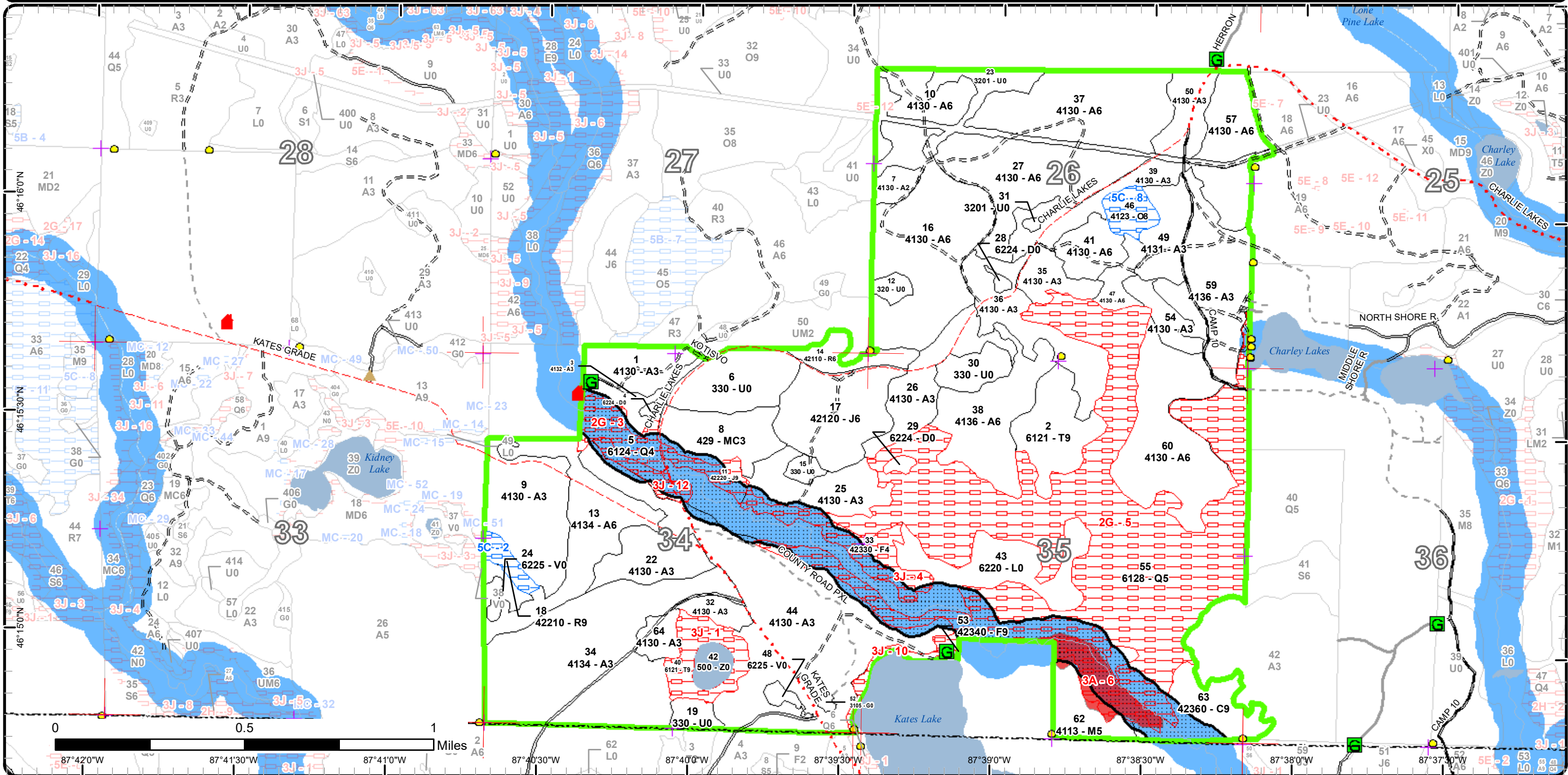


# Special Conservation Areas

Compartment: 262  
 T45N, R27W, Sec: 26, 34, 35  
 County: Marquette  
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 Examiner: Jason Caron  
 Map Revised: 8/18/2022  
 Map Phase: Web-Post



- Miris Corners
  - + Remonumented Section Corners
  - Survey Grade Corners
  - Counties
  - DNR - Primary Forest Road
  - DNR - Secondary Forest Road
  - DNR - Forest Access Route
  - County - Gravel Road
  - County - Dirt Road (Seasonal)
  - Private - Paved Road
  - Private - Dirt / Gravel Road
  - Cabin
  - ▲ Berms
  - G Gate
  - Intermittent Stream
  - Lake/Pond
  - Perennial River
  - Lakes and Rivers
  - Compartment Boundary
  - Available w/ Constraints
  - Unavailable
  - Stand Boundaries
  - SCA
  - Ecological Reference Areas
  - Cold Water Streams
  - Cold Water Lakes
  - High Priority Trout Stream Buffer
- 5C: Delay treatment for age/size class diversity or exceptional site quality  
 2G: Too wet (sensitive soils, does not include access issues)  
 3A: Conservation Values incompatible with harvest at this time  
 3J: Water quality / BMPs (stream, river, or lake)



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	221	180	198	51	237	49	0	0	0	0	0	0	0	0	0	0	0	936
Bog	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	44	0	0	0	0	44
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Jack Pine	0	0	0	42	0	0	0	8	0	0	0	0	0	0	0	0	0	0	50
Low-Density Trees	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Lowland Conifers	0	0	0	0	0	0	0	0	0	23	292	0	0	0	0	0	0	0	315
Lowland Shrub	64	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64
Northern Hardwood	0	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	16
Oak	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	9
Red Pine	0	0	0	11	0	0	0	0	0	0	0	0	8	0	0	0	0	0	19
Tamarack	0	0	0	0	0	0	0	0	18	0	28	0	0	0	0	0	0	0	46
Treed Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Conifers	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Upland Shrub	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Upland Spruce/Fir	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	0	27
Water	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
<b>Total</b>	<b>165</b>	<b>221</b>	<b>206</b>	<b>251</b>	<b>51</b>	<b>237</b>	<b>49</b>	<b>0</b>	<b>24</b>	<b>45</b>	<b>23</b>	<b>329</b>	<b>0</b>	<b>8</b>	<b>44</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1652</b>



## Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 262  
Total Compartment Acres: 1,653

Commercial Harvest - 221  
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	181	0	0	0	0	0	0	0	0	181
Red Pine	0	0	0	0	11	0	0	0	0	11
Tamarack	28	0	0	0	0	0	0	0	0	28
<b>Total</b>	<b>209</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>221</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	221	0	43	0	0	4	0	0	0	267
Next Step	0	22	22	22	0	22	252	0	0	342
<b>Total</b>	<b>221</b>	<b>22</b>	<b>65</b>	<b>22</b>	<b>0</b>	<b>22</b>	<b>256</b>	<b>0</b>	<b>0</b>	<b>609</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>2</b>	<b>32262002-Cut</b>	28.2	6121 - Tamarack	Sawtimber Well	104	111-140	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Red line out areas to meet retention guidelines. Do not harvest under-represented species within the stand.</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> cedar, spruce, fir, tamarack, aspen, maple.</p> <p><u>Regen:</u></p> <p><u>Other</u> Wet depressions may exist within the stand. Red line out these areas to both prevent soil disturbance and serve as retention.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
<b>13</b>	<b>32262013-Cut</b>	41.6	4134 - Aspen, Spruce/Fir	Poletimber Well	48	81-110	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Red line out areas to meet retention guidelines. Red line out wet areas to serve as retention. Do not harvest under-represented species.</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> Oak, pine, aspen, maple, fir, spruce, and 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 /2023</p>											
<b>14</b>	<b>32262014-Cut</b>	11.3	42110 - Planted Red Pine	Poletimber Well	24	81-110	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Third row thin red pine stand to lower density and maintain live crown.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
<b>16 32262016-Cut</b>	76.7	4130 - Aspen	Poletimber Well	46	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut with reserves. Red line out areas of the parent stand for retention purposes. Do not harvest under-represented species such as oak, white pine, and red pine.</p> <p><u>Specs:</u></p> <p>There is currently a single track ORV trail that exists within this stand and is currently flagged out. Rob Katona with PRD is working with the trails group to make it official. Put specs within the sale to protect this trail should it become part of the official system. Currently the trail is a reference line in MiFI.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, birch, maple, pine, oak, and cherry.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>38 32262038-Cut</b>	40.5	4136 - Aspen, Mixed Conifer	Poletimber Well	50	81-110	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Red line out areas to meet retention guidelines. Do not harvest under-represented species within the stand.</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, spruce, fir, pine, oak, hemlock, cedar, maple, and birch.</p> <p><u>Regen:</u></p> <p><u>Other</u> Wet depressions likely exist within the stand. Red line these areas to both minimize ground disturbance and serve as long term retention.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>41 32262041-Cut</b>	14.1	4130 - Aspen	Poletimber Well	46	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Red line out areas to meet retention guidelines. Green tree oak, red pine, and white pine within the stand to retain a few large diameter trees within the stand, if they exist. Clearcut the remaining.</p> <p><u>Specs:</u></p> <p>There is currently a single track ORV trail that exists in the NE corner of this stand and is currently flagged out. Rob Katona with PRD is working with the trails group to make it official. Put specs within the sale to protect this trail should it become part of the official system. Currently the trail is a reference line in MiFI.</p> <p><u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Seeding, Machine Seed; Pesticide, Skidder - Site Prep; Monitoring, Artificial Regen(1yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red Pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
47 32262047-Cut	8.3	4130 - Aspen	Poletimber Well	58	1-50	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Red line out areas to meet retention guidelines. Green tree oak, red pine, and white pine within the stand to retain a few large diameter within the stand, if they exist. Clearcut the remaining.</p> <p><u>Specs:</u></p> <p>There is currently a single track ORV trail that exists in the NE corner of this stand and is currently flagged out. Rob Katona with PRD is working with the trails group to make it official. Put specs within the sale to protect this trail should it become part of the official system. Currently the trail is a reference line in MiFI.</p> <p><u>Next Step Treatments:</u> SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Seeding, Machine Seed; Monitoring, Artificial Regen(1yr)</p> <p><u>Acceptable Regen:</u> Red Pine</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

**Approved Treatments:**

6 32262006-Plant	31.8	330 - Low-Density Trees	Nonstocked	0	Unspecified	Planting	Replant	42120 - Planted Jack Pine	Even-Aged	No
<p><u>Prescription</u> replant</p> <p><u>Specs:</u></p> <p><u>Next Step Treatments:</u> ; Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable Regen:</u> Jack Pine</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										
15 32262020-Monitor	3.6	330 - Low-Density Trees	Nonstocked	0	Unspecified	Monitoring	Artificial Regen(3yr)	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u></p> <p><u>Specs:</u></p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Jack Pine</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										





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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
30 32262030-Plant	11.1	330 - Low-Density Trees	Nonstocked	0		Planting	Replant	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Replant</p> <p><u>Specs:</u></p> <p><u>Next Step</u> ; Monitoring, Artificial Regen(3yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack Pine</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

**Total Treatment Acreage Proposed: 267.2**

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Jason Caron : Examiner

Compartment: 262  
Year of Entry: 2024

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		5C	2G	3A	3J
936	936	0	0	Aspen	0	0		0
8	8	0	0	Bog	0			
44	29	0	15	Cedar			15	
1	1	0	0	Herbaceous Openland				
49	42	0	8	Jack Pine				8
49	49	0	0	Low-Density Trees				
315	2	0	313	Lowland Conifers		306		7
64	64	0	0	Lowland Shrub				0
16	16	0	0	Northern Hardwood				
9	0	9	0	Oak	9			
19	13	6	0	Red Pine	6			
46	28	0	18	Tamarack				18
4	4	0	0	Treed Bog		0		
26	26	0	0	Upland Conifers				0
32	32	0	0	Upland Shrub				
27	0	0	26	Upland Spruce/Fir				26
7	7	0	0	Water				
1,653	1,258	15	380	Total Forested Acres	15	306	15	59
	76%	1%	23%	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)	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



**Report 4 – Site Conditions**

Gwinn Mgt. Unit  
Jason Caron : Examiner

Compartment: 262  
Year of Entry: 2024

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	29	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	291	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	Unavailable	3A: Conservation Values incompatible with harvest at this time	15	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> ERA: Kate's Lake Rich Conifer Swamp. A draft plan has been written and will be reviewed in May 2022.							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

**Report 4 – Site Conditions**

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

**Compartment: 262**  
**Year of Entry: 2024**

12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Mgt. Unit

Compartment: #Type!

Year of Entry:



## Report 5 – PROPOSED SPECIAL CONSERVATION AREA\* (SCA) DETAILS

\* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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**Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS**

\* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area  
HCVA = High Conservation Value Area  
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	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	4130 - Aspen	Sapling Well	18.7	25	Immature	N/A	Stand was harvested in Feb/March of 1997, permit #009-94. Stand consists of fully stocked aspen. Scattered mature pine exist throughout the stand.																																						
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2	6121 - Tamarack	Sawtimber Well	28.2	104	111-140	N/A	Stand of mature tamarack mixed with some black spruce. Lowland tag alder inclusions exist within the stand.																																						
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3	4132 - Aspen, Jack Pine	Sapling Well	8.4	5	Immature	N/A	Stand harvested in 2016 under contract number: 32-102-14. Stand has regenerated back to a mix of aspen and jack pine. Jack pine regeneration is in pockets.																																						
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4	6224 - Treed Bog	Nonstocked	1.1		Unspecified	No	Black spruce and tamarack saplings in bog. Buffer around bog comprised of black spruce, trembling aspen and jack pine poles. White birch and fir saplings present.																																						
5	6124 - Lowland Spruce-Fir	Poletimber Poor	23.4	96	Unspecified	N/A	Floodplain along Bryan Creek.																																						
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6	330 - Low-Density Trees	Nonstocked	28.6	0	Unspecified	No	Stand was harvested in 2017 under contract number 102-14. Stand currently contains a mix of natural and planted jack pine. Cultivation notes say stand was planted in the spring of 2021 but failed it's first year count with 569 trees per acre. Scatted mature red and white pine exist throughout the stand.																																						
7	4130 - Aspen	Sapling Medium	6.0	5	Immature	N/A	Stand was harvested in 2016 under contract # 32-102-14. Aspen has regenerated back and is fully stocked in the upland portions of the stand. The lowland portion of the stand has yet to regenerate but should fill in as time goes on.																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
8	429 - Mixed Upland Conifers	Sapling Well	26.1	17	Immature	N/A	Stand harvested in 2005 under permit #119-04. FTP C32-637 describes cultural work for regeneration. White pine and red pine saplings on site. Residual white pine, red pine and black spruce poles. The stand is a mix of natural and planted jack pine.																																							
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9	4130 - Aspen	Sapling Well	41.7	17	Immature	N/A	Stand was harvested during May to July of 2005 under permit #32-05. Good stocking levels. More residual red pine to south. Sparse white pine sawtimber.																																							
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10	4130 - Aspen	Poletimber Well	16.2	46	81-110	N/A	Sporadic white pine and red pine poletimber. Red oak and white birch saplings present.																																							
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11	42220 - Natural Jack Pine	Sawtimber Well	7.6	78	111-140	N/A	Riparian zone along Bryan creek. jack pine range from 10 to 16 inches Dbh. Jack pine snags. 5 stick trees.																																							
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12	320 - Upland Shrub	Nonstocked	4.0	0	Unspecified	No	Stand harvested in 2017 under contract # 102-14. Stand was trenched and planted back to jack pine. Planted jack pine are poorer form but might improve once they become more established. Some deer browse exists on some of the planted stock.																																							
13	4134 - Aspen, Spruce/Fir	Poletimber Well	43.6	48	81-110	N/A		Stand was harvested in 1974. White birch, tamarack and white pine are infrequent overstory associates. White birch saplings found.																																						
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14	42110 - Planted Red Pine	Poletimber Well	11.3	24	81-110	N/A	Red pine has grown into the pole size class. The live portion of the red pine crowns are roughly 40-50%.																																							
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15	330 - Low-Density Trees	Nonstocked	3.6	0	Unspecified	No	Stand was harvested in 2017. Contract # 102-14. Stand was trenched and planted to jack pine. Jack pine are poorer form and not yet established.																																																	
16	4130 - Aspen	Poletimber Well	76.7	46	1-50	N/A	Stand of aspen that contains both big tooth and quaking. Scattered log sized oak and pine exist throughout the stand.																																																	
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17	42120 - Planted Jack Pine	Poletimber Well	41.8	24	Immature	N/A	Stand originated from cultural work described in FTP C31-366 and associated completion report. Stand has now grown into the pole size class. Stand received some damage from the heavy snow event in 2019.																																																	
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18	42210 - Natural Red Pine	Sawtimber Well	7.6	122	141-170	N/A	Red pine stand was released in the 1950s. Red pine, white birch and white pine saplings present. Stand is adjacent to bog.																																																	
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19	330 - Low-Density Trees	Nonstocked	5.9	0	Unspecified	No	Stand was cut in the winter of 2018. Contract number 32-101-14-01. Stand has not regenerated but has a nearby seed source to the north and will fill in.																																																	
22	4130 - Aspen	Sapling Well	21.5	17	Immature	N/A	Harvested in May/June of 2005, permit number 32-005-01. Good stocking levels.																																																	
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23	3201 - Sweet Fern	Nonstocked	26.5		Unspecified	No	Stand is composed mainly of old ELF line segments. White spruce, trembling aspen, jack pine and balsam fir saplings encroaching. Also red pine, trembling aspen and jack pine poles present.																																																	
24	6225 - Bog	Nonstocked	5.3			No	Leatherleaf.																																																	



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25	4130 - Aspen	Sapling Well	25.2	4	Immature	N/A	Stand was harvested in 2017 under contract #102-14-01. Stand has fully regenerated back to aspen.																																															
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26	4130 - Aspen	Sapling Well	26.8	5	Immature	N/A	Stand harvested in 2017 under contract 102-14-01. Aspen has flushed back and is fully stocked. West half of stand is mostly big tooth.																																															
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27	4130 - Aspen	Poletimber Well	51.4	36	51-80	N/A	Stand of quality aspen. A mix of both big tooth and quaking exists.																																															
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28	6224 - Treed Bog	Nonstocked	1.3			No	Fringe of black spruce, aspen and jack pine along margin of stand.																																															
29	6224 - Treed Bog	Nonstocked	1.9			No	16 to 20 foot tall black spruce. Spruce is spindly with very sparse crowns.																																															
30	330 - Low-Density Trees	Nonstocked	11.1	0		4222 - Natural Jack Pine	Stand was planted in the spring of 2021 but seedlings did not become established.																																															
31	3201 - Sweet Fern	Nonstocked	1.1		Unspecified	No	Stand roughly 90% open. Some jack pine poles and saplings filling in.																																															
32	4130 - Aspen	Sapling Well	7.2	10	Immature	N/A	Harvested in 2012. Contract # 30-611. Stand consists of fully stocked aspen mixed with some fir.																																															
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33	42330 - Upland Fir	Poletimber Poor	21.2	82	81-110	N/A	Some lowland areas. Stand within riparian zone of Bryan Creek.																																															
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<b>34</b>	4134 - Aspen, Spruce/Fir	Sapling Well	102.9	25	Unspecified	N/A	East portion of stand harvested in 1995 under permit #18-94. West portion was harvested in 2000 under permit #22-98. White pine and balsam poplar saplings present.																																																								
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<b>36</b>	4130 - Aspen	Sapling Well	32.2	15	Immature	N/A	Stand harvested in 2007 under permit #318-05. 20 acres of site were trenched and seeded to jack pine in 2008. Regeneration check showed 100 jack pine/acre and 814 all tree species seedlings/acre. Stand has regenerated back to aspen in the 2-3" range. Residual red pine and white pine poles and sawtimber. White pine saplings found.																																																								
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<b>37</b>	4130 - Aspen	Poletimber Well	54.3	46	51-80	N/A	Many submerchantable-sized aspen stems. Stocking adequate. White pine, white birch, red oak, black cherry and black spruce saplings present. White pine, white spruce, red pine, red oak and white birch are infrequent overstory associates.																																																								
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<b>38</b>	4136 - Aspen, Mixed Conifer	Poletimber Well	40.5	50	81-110	N/A	White birch, red maple, white spruce and white pine poles present. White pine and red pine saplings found. Aspen have 2 sticks.																																																								
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39	4130 - Aspen	Sapling Well	19.4	10	Unspecified	N/A	Stand harvested in 2012. Contract #306-11. Stand has fully regenerated back to aspen.																																														
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40	6121 - Tamarack	Sawtimber Well	17.7	82	111-140	N/A	Lowland stand that acts as a buffer around the pond (stand 42). Maintain as a buffer for BMP's.																																														
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41	4130 - Aspen	Poletimber Well	14.1	46	51-80	N/A	Small diameter aspen due to poor quality soils.																																														
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42	500 - Water	Nonstocked	6.5			No																																															
43	6220 - Alder/willow	Nonstocked	64.4			No	Floodplain along Bryan Creek. Fir, spruce, tamarack and aspen saplings present. Fir, spruce and tamarack poles found.																																														
44	4130 - Aspen	Sapling Well	121.1	7	Immature	N/A	Stand was cut anywhere from 2015 to 2018. Baby Kate: 101-14. Decided to merge adjacent stands together as they have all regenerated back to mostly aspen. The far NW corner and the SW corner of the stand have been slower to regenerate but will fill in as time goes on.																																														
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46	4123 - Red Oak	Sawtimber Medium	9.2	104	51-80	N/A	Stand harvested in June/July of 1995 under permit #11-94. All oak was retained. Basal area of mature oak is overall low. Red maple and big tooth aspen is dense within some portions of the understory. Aspen and red maple averages 3" dbh.																																														
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47	4130 - Aspen	Poletimber Well	8.3	58	1-50	N/A	Aspen not real vigorous. Many aspen saplings in each plot. Clones of older/larger aspen with avg. Dbh of 10 to 12 inches. White pine and red pine poles present. Red pine and oak saplings found.																																																			
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48	6225 - Bog	Nonstocked	2.8		Unspecified	No	Leatherleaf, black spruce saplings and tamarack saplings. Due to the high water table the mature timber has flooded out and died.																																																			
49	4131 - Aspen, Oak	Sapling Well	17.7	27	Unspecified	N/A	Stand was harvested in in 1995 under permit #11-94. High species diversity of trees. Scattered red oak sawtimber. White birch and bigtooth aspen are infrequent overstory associates. Jack pine, white birch and white pine saplings found. Some hazel. Some small patches red oak poles and sawtimber.																																																			
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52	3105 - Mixed Upland Herbaceous	Nonstocked	1.1		Unspecified	Managed Opening	Wildlife opening. Looks to have been managed in past years.																																																			
53	42340 - Upland Spruce/Fir	Sawtimber Well	5.6	82	Unspecified	N/A	Buffer around Kate's Lake.																																																			
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54	4130 - Aspen	Sapling Well	10.1	6	Immature	N/A	Stand harvested in 2016. Under contract #102-14. Stand consists of big tooth aspen, jack pine, and fir. Stocking is better in the southeast and poorer in the northeast.																																														
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55	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	291.8	104	81-110	N/A	Steep bank along edges of this stand. Some open areas with more alder. Occasional red maple, white pine, red pine, white spruce, balsam poplar and fir in overstory. White birch and tamarack saplings present.																																														
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57	4130 - Aspen	Poletimber Well	32.0	46	81-110	N/A	Stand harvested in 1975.																																														
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59	4136 - Aspen, Mixed Conifer	Sapling Well	46.1	14	Unspecified	N/A	Stand harvested in 2008 under permit #307-06. Overall, aspen stocking good. Patches of heavier oak regeneration. Red pine, jack pine and white spruce saplings found.																																														
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60	4130 - Aspen	Poletimber Well	59.1	25	Immature	N/A	Stand harvested between 1995 and 1997 under permit #11-94. Stand consists of fully stocked aspen.																																														
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<b>62</b>	4113 - R.Maple, Conifer	Poletimber Medium	15.8	70	81-110	N/A	A timber trespass occurred about 10 years ago and was resolved at that time. Nearly all the large diameter white pine were removed. Stand was effectively thinned and canopy is very open overall. Many old skid trails still evident. Pockets of M3 and F3. Infrequent small groups of mature aspen. Many open areas with fir, maple and white pine saplings. DNR survey monument at SE corner of private 40, west of this stand.																																															
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<b>63</b>	42360 - Upland Cedar	Sawtimber Well	44.0	130	171-200	N/A	Good to excellent form class to cedar boles. Cedar crowns are healthy. Bryan creek flows through stand.																																															
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<b>64</b>	4130 - Aspen	Sapling Well	7.4	5	Immature	N/A	Red maple is minor overstory associate. Jack pine is in decline. Jack pine, aspen and white birch snags. RH10/30/15 Baby Kate (32-101-14-01) on contract with Lafleur FP. cut in the winters of 2015-2018. sale is now closed.																																															
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