



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32222

Entry Year 2024

Acreage: 1,227

County Marquette

Management Area: Chain Lakes Moraine

Stand Examiner: Jason Caron

Legal Description:

T46N-R29W, Sections 2, 11, 12, & 14.

Identified Planning Goals:

Management goals range from maintaining timber production and wildlife habitat to protecting water quality. Timber management within this compartment is primarily for fiber production on an even-age basis. Uneven age northern hardwood management does take place, producing quality sawlogs. Wildlife habitat will continue to be maintained as it is within the current cover types.

Soil and topography:

The uplands are primarily loamy sands to sandy loams. The lowlands have organic muck and peat soils. The terrain ranges from level to rolling to slightly hilly.

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

State lands are adjacent to this compartment to the south and east. Corporate and non-industrial private lands bound the majority of this tract as well as occurring internally. Land use is primarily for forest production and passive recreation.

Unique Natural Features:

Rocky and rugged ground in some areas of the compartment. Numerous drainages and stagnant lowland forest types. A smaller inland lake - Birch Lake exists within the central part of the compartment as well.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

None known.

Watershed and Fisheries Considerations:

This compartment contains the Black River, Birch Lake, and a headwater stream that serves as a tributary to the West Branch Escanaba River. The Black River and the headwater tributary to the West Branch Escanaba River are both designated Type 1 trout streams less than 50' width with predicted mean July temperatures that range from 60.4 to 61.0 °F (cold streams). 300' buffers are recommended for the Black River and the headwater tributary of the West Branch Escanaba River 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.

100' buffers are recommended for Birch Lake to protect shoreland resources in accordance with Best Management Practices and the Michigan Wildlife Action Plan.

Wildlife Habitat Considerations:

Compartment 222 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; coarse 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 nearest active sand/gravel pit is

roughly four miles away. Glacial drift is thin or absent and bedrock is at or near the surface across much of the compartment. Potential for sand & gravel development within the compartment is minimal. Former iron mines occur three miles west, but there is no known potential for metallic minerals beneath the compartment. There has been no recent State mineral leasing activity 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:

The compartment is well accessible with roads; however, they are gated by the private landowners surrounding the compartment. The State does not have management easements on these roads.

Survey Needs:

Stand 39 is prescribed for a harvest and in need of a survey.

Recreational Facilities and Opportunities:

There are no developed recreational facilities in this compartment.

Fire Protection:

Fire protection within this compartment is good both from the aspect of forest types and road access. Most of the forest types are deciduous which normally do not pose as much as a risk as other forest types such as pine. Road access for fire equipment is good within the compartment should a fire occur.

Additional Compartment Information:

The following reports from the Inventory are attached:

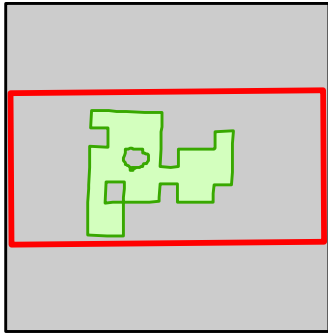
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

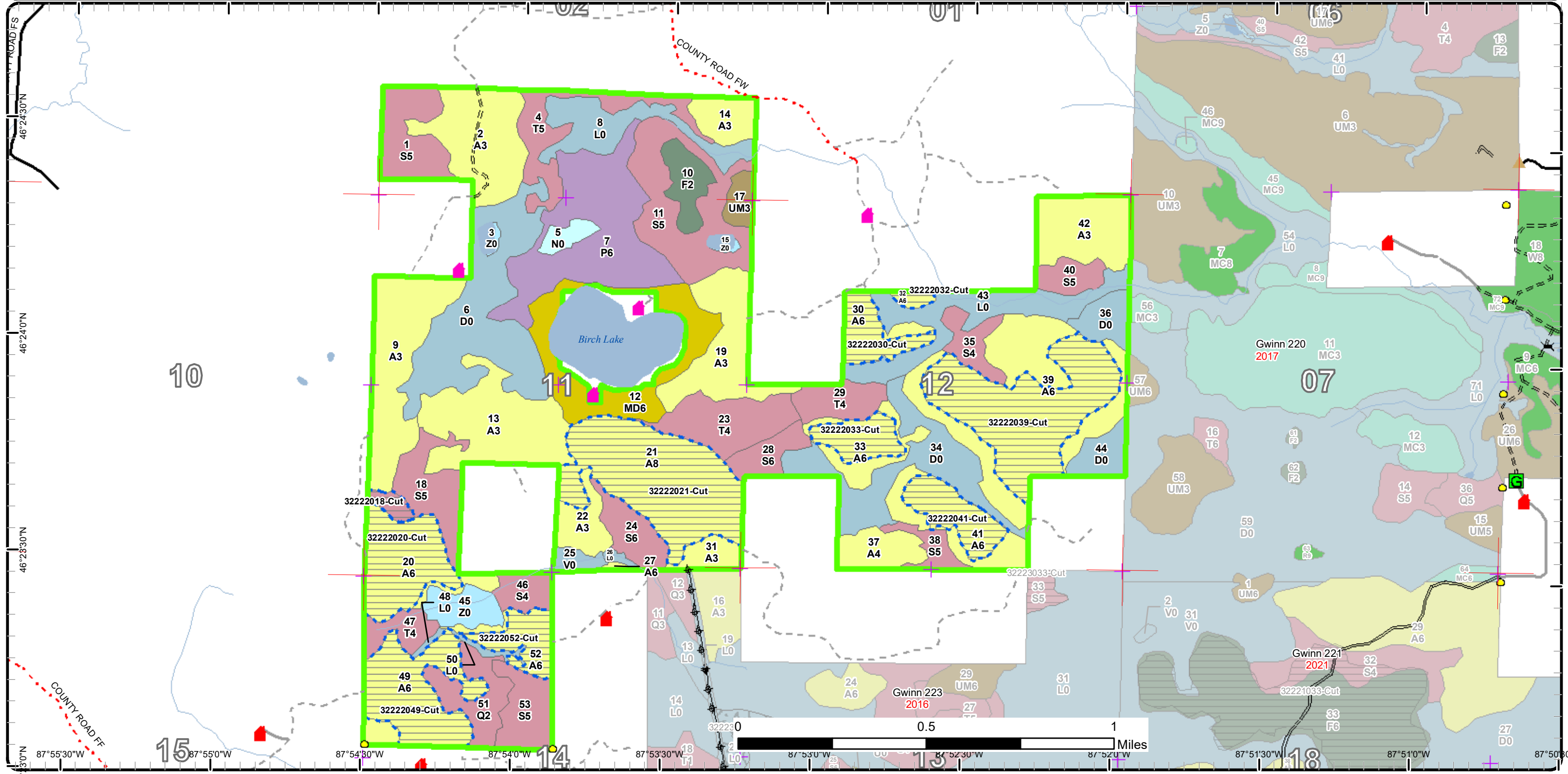
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 222
 T46N, R29W, Sec: 02, 11, 12
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Chain Lakes Moraine
 YOE: 2024
 Acres: 1226.7 GIS Calculated
 Examiner: Jason Caron
 Map Revised: 8/18/2022
 Map Phase: Web-Post

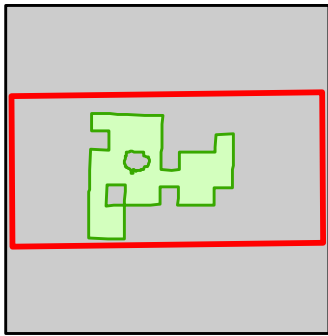
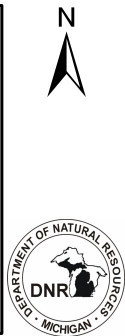


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Paved Road
- Private - Dirt / Gravel Road
- Cabin
- Structure, Seasonal Dwelling
- ▲ Berms
- Gate
- ✕ Bridges
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

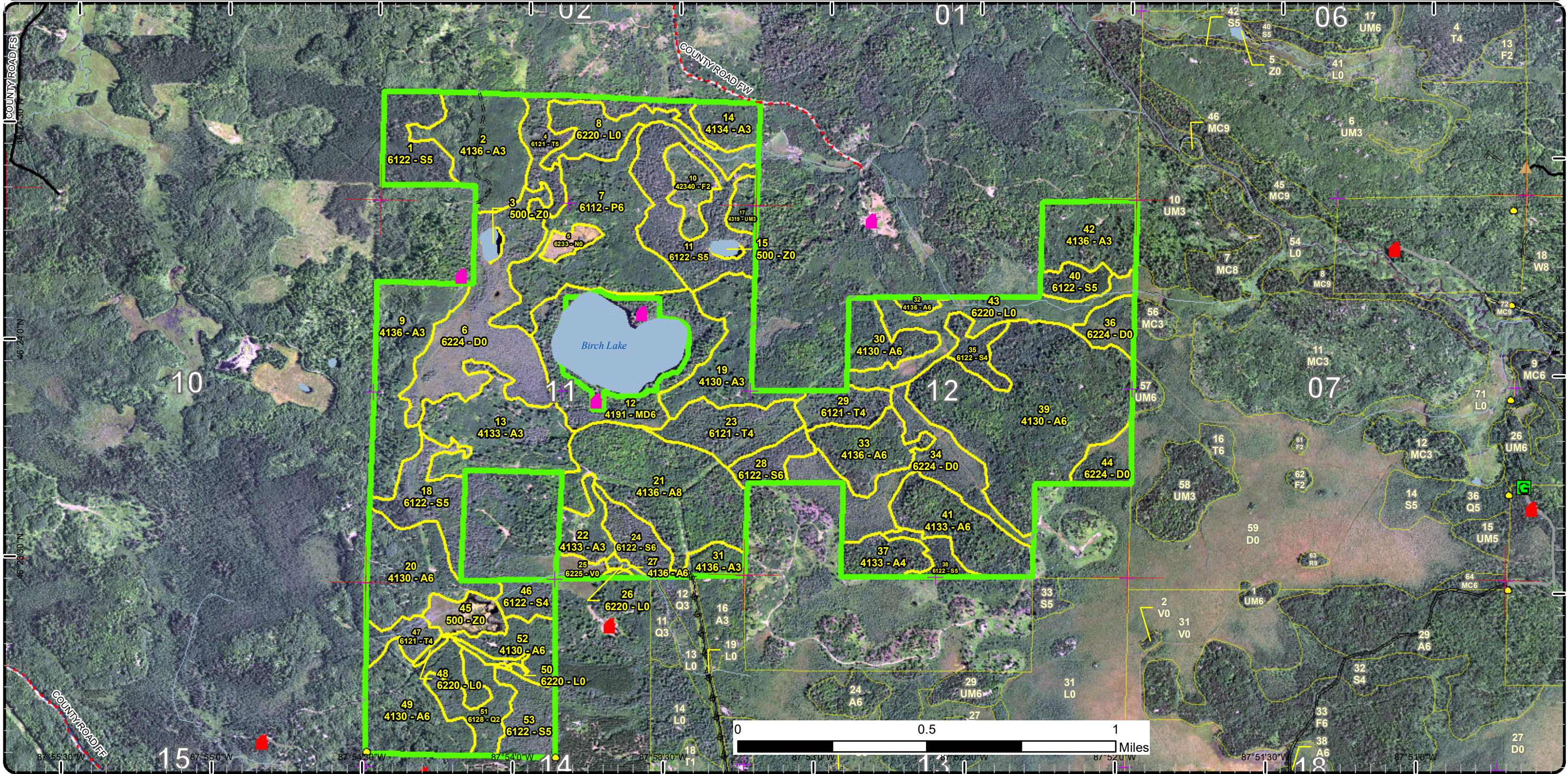


Stand Boundary Map

Compartment: 222
 T46N, R29W, Sec: 02, 11, 12
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Chain Lakes Moraine
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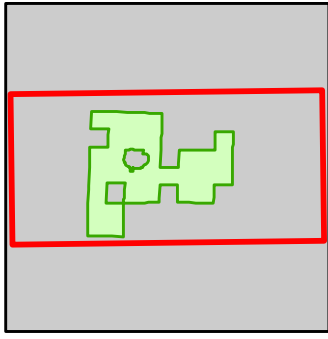


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- DNR - Secondary Forest Road
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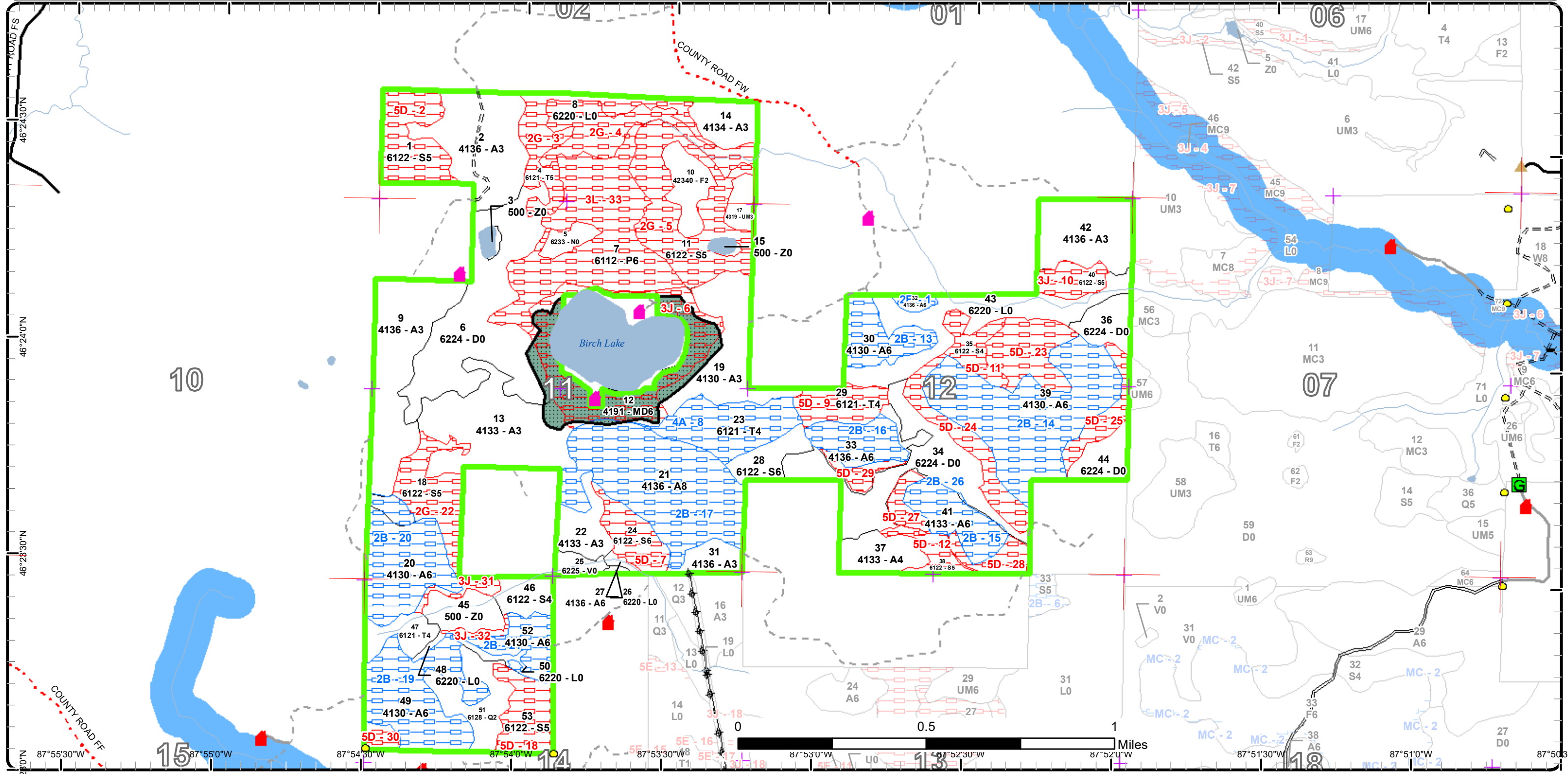


Special Conservation Areas

Compartment: 222
 T46N, R29W, Sec: 02, 11, 12
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Chain Lakes Moraine
 YOE: 2024
 Acres: 1226.7 GIS Calculated
 Examiner: Jason Caron
 Map Revised: 8/18/2022
 Map Phase: Web-Post



- Miris Corners
- + Remonumented Section Corners
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- Counties
- DNR - Secondary Forest Road
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- Federal / State / County - Paved Road
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- Private - Paved Road
- Private - Dirt / Gravel Road
- Cabin
- Structure, Seasonal Dwelling
- ▲ Berms
- Gate
- ✕ Bridges
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Vernal Pool
- 4A: No Markets Available for these Forest Products
- 2G: Too wet (sensitive soils, does not include access issues)
- 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	0	61	161	70	246	0	0	71	0	0	0	0	0	0	0	0	0	609
Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Lowland Aspen/Balsam Poplar	0	0	0	66	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66
Lowland Conifers	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Lowland Shrub	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68
Lowland Spruce/Fir	0	0	0	0	10	0	11	0	39	114	0	0	0	0	0	0	0	0	174
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	41	0	0	0	0	0	0	0	0	41
Tamarack	0	0	0	0	10	0	0	0	0	65	0	0	0	0	0	0	0	0	75
Treed Bog	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130
Upland Mixed Forest	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Upland Spruce/Fir	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Water	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Total	224	0	80	227	89	266	0	11	71	39	220	0	0	0	0	0	0	0	1227



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 222
Total Compartment Acres: 1,227

Commercial Harvest -
Harvests with Site Condition - 281
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	277	0	0	0	0	0	0	0	0	277
Lowland Spruce/Fir	4	0	0	0	0	0	0	0	0	4
Total	281	0	0	0	0	0	0	0	0	281

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	281	0	0	0	0	0	0	0	0	281
Next Step	0	0	0	0	0	0	281	0	0	281
Total	281	0	0	0	0	0	281	0	0	562



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:

18	32222018-Cut	3.8	6122 - Black Spruce	Poletimber Medium	80	1-50	Harvest	Clearcut	6124 - Lowland Spruce-Fir	Even-Aged	No
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Prescription Clearcut. Do not harvest any white pine, if it exists.

Specs: WLD Comments: Leave a patch along the west side of the stand for a seed source. Patch should include both black spruce and tamarack.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Spruce, tamarack, fir, aspen, maple, birch, and pine.

Regen:

Other

Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2023

20	32222020-Cut	33.7	4130 - Aspen	Poletimber Well	40	1-50	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
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Prescription Clearcut with retention. Red line out a portion of the parent stand to meet retention requirements. Leave some under-represented trees within the stand.

Specs: WLD Comments: Keep all white pine. Retention should include some large big tooth aspen.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, spruce, fir, pine, oak, maple, birch.

Regen:

Other

Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2023

21	32222021-Cut	70.6	4136 - Aspen, Mixed Conifer	Sawtimber Medium	70	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
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Prescription Clearcut with retention. Red line out a portion of the parent stand to meet retention requirements. Leave some under-represented trees within the stand.

Specs: WLD Comments: Retain most of the White Pine. Leave some larger paper birch. Retention should also include some big tooth aspen.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, maple, birch, oak, fir, spruce, and pine.

Regen:

Other

Comment:

Site Condition Unknown Access

Proposed Start Date: 10/1 /2023

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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 32222030-Cut	15.1	4130 - Aspen	Poletimber Well	42	1-50	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Red line out a portion of the parent stand to meet retention requirements. Leave some under-represented trees within the stand. <u>Specs:</u> WLD Comments: Favor white pine. Retention should also include some big tooth aspen.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, maple, fir, spruce, birch, and pine. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2023</p>										
32 32222032-Cut	2.9	4136 - Aspen, Mixed Conifer	Poletimber Well	42	1-50	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Clearcut with no reserves due to the small size. Do not harvest the random white pine or oak, if it exists. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, spruce, fir, oak, pine, birch, and maple. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2023</p>										
33 32222033-Cut	13.8	4136 - Aspen, Mixed Conifer	Poletimber Well	43	1-50	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Red line out a portion of the parent stand to meet retention requirements. Leave some under-represented trees within the stand. <u>Specs:</u> WLD Comments: Favor white pine. Retention should include some big tooth aspen.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, spruce, fir, oak, pine, maple, and birch. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access <u>Proposed Start Date:</u> 10/1 /2023</p>										
39 32222039-Cut	68.3	4130 - Aspen	Poletimber Well	43	1-50	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Red line out portions of the parent stand to meet retention requirements. Leave some under-represented trees within the stand. <u>Specs:</u> WLD Comments: Favor white pine. Leave some large paper birch. Include big tooth aspen within retention patches.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen, maple, spruce, fir, oak, maple, pine, and birch. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition</u> Unknown Access <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
41 32222041-Cut	18.4	4133 - Aspen, Mixed Pine	Poletimber Well	43	1-50	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Red line out a portion of the parent stand to meet retention requirements. Leave some under-represented trees within the stand.</p> <p><u>Specs:</u> WLD Comments: Favor white pine. Retention patch 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</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>										
49 32222049-Cut	39.7	4130 - Aspen	Poletimber Well	39	Unspecified	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Red line out a portion of the parent stand to meet retention requirements. Leave some under-represented trees within the stand.</p> <p><u>Specs:</u> WLD Comments: Retain all Legacy Tree sized white pine.</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 pine.</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>										
52 32222052-Cut	14.9	4130 - Aspen	Poletimber Well	39	Unspecified	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Red line out a portion of the parent stand to meet retention requirements. Leave some under-represented trees 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, birch, and maple.</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>										

Total Treatment 281.2
Acres Proposed:

Report 4 – Site Conditions

Gwinn Mgt. Unit
Jason Caron : Examiner

Compartment: 222
Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		2B	4A	2G	3J	3L	5D
609	251	283	75	Aspen	283	0	0	6		69
5	5	0	0	Bog						
66	0	0	66	Lowland Aspen/Balsam Poplar			0		66	
19	19	0	0	Lowland Conifers						0
68	42	0	26	Lowland Shrub			26			0
174	21	4	150	Lowland Spruce/Fir	4		66	9		74
5	5	0	0	Marsh						
41	0	0	41	Mixed Upland Deciduous		0	0	41		
74	10	27	38	Tamarack		27	24			14
131	130	0	0	Treed Bog	0					0
6	6	0	0	Upland Mixed Forest						
13	13	0	0	Upland Spruce/Fir						
16	16	0	0	Water						
1,227	517	314	396	Total Forested Acres	287	27	116	57	66	157
	42%	26%	32%	Relative Percent						

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

Site No.	Dominant Site Cond	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	2B: Unknown if access through adjacent landowner(s) is possible	3	2I: Survey needed	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Unavailable	5D: Unproductive Forest Land	24	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Portions of stand are treed bog.								

Report 4 – Site Conditions

Gwinn Mgt. Unit
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3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Riparian zone protection area for the shoreline around birch lake.							
7	Unavailable	5D: Unproductive Forest Land	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Marginally productive small diameter stand.							
8	Available	4A: No Markets Available for these Forest Products	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Jason Caron : Examiner

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Year of Entry: 2024

9	Unavailable	5D: Unproductive Forest Land	14	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Small diameter stand with lots of tag alder.</p>							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
11	Unavailable	5D: Unproductive Forest Land	11	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Marginally productive small diameter stand.</p>							
12	Unavailable	5D: Unproductive Forest Land	8	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Almost a treed bog. Small diameter stand.</p>							
13	Available	2B: Unknown if access through adjacent landowner(s) is possible	17	2I: Survey needed	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
14	Available	2B: Unknown if access through adjacent landowner(s) is possible	69	2I: Survey needed	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Jason Caron : Examiner

Compartment: 222
Year of Entry: 2024

15	Available	2B: Unknown if access through adjacent landowner(s) is possible	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	2B: Unknown if access through adjacent landowner(s) is possible	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	2B: Unknown if access through adjacent landowner(s) is possible	71	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5D: Unproductive Forest Land	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	2B: Unknown if access through adjacent landowner(s) is possible	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	2B: Unknown if access through adjacent landowner(s) is possible	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Jason Caron : Examiner

Compartment: 222
Year of Entry: 2024

21	Available	2B: Unknown if access through adjacent landowner(s) is possible	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	5D: Unproductive Forest Land	20	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5D: Unproductive Forest Land	17	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	5D: Unproductive Forest Land	10	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	2B: Unknown if access through adjacent landowner(s) is possible	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Jason Caron : Examiner

Compartment: 222
Year of Entry: 2024

27	Unavailable	5D: Unproductive Forest Land	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	5D: Unproductive Forest Land	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	5D: Unproductive Forest Land	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	5D: Unproductive Forest Land	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	3L: Other wildlife concerns	66	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																										
1	6122 - Black Spruce	Poletimber Medium	24.0	97	51-80	N/A																																																											
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4	6121 - Tamarack	Poletimber Medium	23.7	97	81-110	N/A																																																											
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5	6233 - Wet Meadow	Nonstocked	5.3		Unspecified	No	Former beaver meadow that is filling in with trees.																																																										
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6	6224 - Treed Bog	Nonstocked	67.1			No																																																											
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7	6112 - Lowland Aspen	Poletimber Well	66.2	25	Immature	N/A	Harvested in 1997: TS#13-94. Stand consists of good quality quaking and big tooth aspen. Stand is just starting to grow into the pole size class.																																																																
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8	6220 - Alder/willow	Nonstocked	25.9	0	Unspecified	No	Scattered tamarack and black spruce. Mostly lowland tag alder.																																																																
9	4136 - Aspen, Mixed Conifer	Sapling Well	46.1	25	Immature	N/A	Harvested in 1997: TS# 10-94. Stand consists of fully stocked quality big tooth aspen, quaking aspen, and red maple. Scattered large diameter white pine exist throughout the stand. Stand is near pole sized.																																																																
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10	42340 - Upland Spruce/Fir	Sapling Medium	12.7	18	Unspecified	N/A	Harvested in 2004: TS#105-04-02.																																																																
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11	6122 - Black Spruce	Poletimber Medium	44.5	97	51-80	N/A	Stand is very wet with poor stocking throughout. Seeps exist along the edge of stand 7 which flow into stand 11.																																																																
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12	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	41.2	97	81-110	N/A	Stand that has been un-managed for a buffer around Birch Lake. Aspen is old and decadent due to age. Fir is mostly dead due to the budworm outbreak. White pine is large diameter and scattered throughout the stand.																																																												
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13	4133 - Aspen, Mixed Pine	Sapling Well	48.9	18		N/A	Harvested in 2004: TS#134-03-01. Stand of fully stocked aspen mixed with red maple. Scattered large diameter white pine exists throughout the stand.																																																												
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17	4319 - Mixed Upland Forest	Sapling Well	6.4	18	Immature	N/A	Harvested in 2004: TS#105-04-02.																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
18	6122 - Black Spruce	Poletimber Medium	25.3	80	1-50	N/A	Stand of black spruce that has good form.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack		45	Pole/Sapling	7		Black Spruce	Low	10 - 20 feet	Sapling
Black Spruce		55	Pole	8	80	Tamarack	Medium	10 - 20 feet	Sapling
						Tag Alder	Medium	5 - 10 feet	Tall Shrub
19	4130 - Aspen	Sapling Well	34.0	25		N/A	Harvested in 1997: TS#13-94.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		13	Sapling	4		Balsam Fir	Medium	5 - 10 feet	Sapling
Paper Birch		5	Sapling	4		Choke Cherry	Low	5 - 10 feet	Tall Shrub
Quaking Aspen		70	Sapling	4	25	Willow spp.	Low	5 - 10 feet	Tall Shrub
White Pine		10	Log	14		Red Maple	Medium	5 - 10 feet	Sapling
Red Pine		2	Sapling	4		Hazelnut (Beaked)	Medium	5 - 10 feet	Tall Shrub
20	4130 - Aspen	Poletimber Well	37.7	40	1-50	N/A	Harvested in 1982: TS# 3-82.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		2	Log/Pole	14		Red Maple	Medium	10 - 20 feet	Sapling
Quaking Aspen		40	Pole/Sapling	7	40	White Pine	Low	10 - 20 feet	Sapling
Bigtooth Aspen		30	Pole/Sapling	7		Red Pine	Low	10 - 20 feet	Sapling
Balsam Fir		10	Sapling/Pole	4		Hazelnut (Beaked)	Medium	5 - 10 feet	Tall Shrub
White Pine		3	Log/Pole	14		Willow spp.	Low	5 - 10 feet	Tall Shrub
Red Maple		15	Sapling/Pole	7		Balsam Fir	Medium	10 - 20 feet	Sapling
21	4136 - Aspen, Mixed Conifer	Sawtimber Medium	70.6	70	81-110	N/A	Partially cut in 1976: TS# 23169A. Stand consists of a mix of deciduous with scattered large diameter pine throughout. Stand was formerly typed as a W8 but there is not that much pine within the stand. Ground is mostly upland with some low areas along the edges.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		3	Pole	10		Choke Cherry	Low	5 - 10 feet	Tall Shrub
Paper Birch		7	Log/Pole	10		Aspen (spp.)	High	10 - 20 feet	Sapling
Balsam Fir		5	Pole	7		Balsam Fir	Medium	10 - 20 feet	Sapling
White Pine		10	XLog/Log	18	100	White Pine	Low	5 - 10 feet	Sapling
Quaking Aspen		40	Log/Pole	10	70	Paper Birch	Low	10 - 20 feet	Sapling
Red Maple		25	Log/Pole	10		White Spruce	Low	5 - 10 feet	Sapling
White Spruce		5	Pole/Log	10		Hazelnut (Beaked)	Medium	5 - 10 feet	Tall Shrub
Sugar Maple		5	Log/Pole	12		Red Maple	Medium	10 - 20 feet	Sapling
22	4133 - Aspen, Mixed Pine	Sapling Well	12.4	18	Unspecified	N/A	Harvested in 2004: TS# 134-03-01.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		20	Sapling	3		White Pine	Low	< 5 feet	Sapling
White Pine		20	Log	14		Hazelnut (Beaked)	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen		40	Sapling	3	18	Willow spp.	Low	5 - 10 feet	Tall Shrub
Red Maple		10	Sapling	3		Balsam Fir	Medium	< 5 feet	Sapling
Balsam Fir		10	Sapling	1		Red Maple	Medium	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
23	6121 - Tamarack	Poletimber Poor	26.9	97	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		50	Pole/Sapling	6	97	Tamarack	Medium	10 - 20 feet	Sapling
Tamarack		50	Pole/Sapling	7		Tag Alder	Low	5 - 10 feet	Tall Shrub
						Black Spruce	Low	5 - 10 feet	Sapling
24	6122 - Black Spruce	Poletimber Well	14.2	89	51-80	N/A	Stand contains decent diameter spruce along it's western edge. Plenty of mistletoe present within the spruce stems as well.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack		40	Pole/Sapling	7		Tamarack	Medium	10 - 20 feet	Sapling
Black Spruce		60	Pole/Sapling	7	89	Tag Alder	Medium	5 - 10 feet	Tall Shrub
						Black Spruce	Low	10 - 20 feet	Sapling
25	6225 - Bog	Nonstocked	4.6		Unspecified	No			
26	6220 - Alder/willow	Nonstocked	1.6		Unspecified	No			
Sub-Canopy Species		Density	Avg. Height	Size					
Tamarack		Trace		Sapling					
Tag Alder		High		Tall Shrub					
27	4136 - Aspen, Mixed Conifer	Poletimber Well	0.9	35	1-50	N/A	Harvested in 1987.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		30	Pole	6	35	White Pine	Low	5 - 10 feet	Sapling
Bigtooth Aspen		30	Pole	6		Hazelnut (Beaked)	Low	5 - 10 feet	Tall Shrub
Black Spruce		3	Sapling	3		Choke Cherry	Low	5 - 10 feet	Tall Shrub
Balsam Fir		12	Sapling/Pole	4		Red Maple	Medium	5 - 10 feet	Sapling
White Pine		10	Log	14		Balsam Fir	Medium	5 - 10 feet	Sapling
Red Maple		15	Pole	6		Willow spp.	Low	5 - 10 feet	Tall Shrub
						Black Spruce	Low	5 - 10 feet	Sapling
28	6122 - Black Spruce	Poletimber Well	10.8	64	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		60	Pole/Sapling	6	64	Black Spruce	Low	10 - 20 feet	Sapling
Tamarack		40	Pole/Sapling	7		Tamarack	Low	10 - 20 feet	Sapling
						Tag Alder	Low	5 - 10 feet	Tall Shrub
29	6121 - Tamarack	Poletimber Poor	13.9	97	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack		50	Pole/Sapling	7		Black Spruce	Low	10 - 20 feet	Sapling
Black Spruce		50	Pole/Sapling	6	97	Tamarack	Medium	10 - 20 feet	Sapling
						Tag Alder	Low	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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30	4130 - Aspen	Poletimber Well	17.4	42	1-50	N/A	Harvested in 1980: TS# 2-76A. Fir that existed within the stand has died out due to the budworm outbreak. Some aspen is smaller diameter. East side of the stand grades into mostly dead standing fir with a few aspen and red maple mixed in.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	3	Log	15		Willow spp.	Low	< 5 feet	Tall Shrub
Red Maple	15	Pole/Sapling	6		Balsam Fir	Medium	5 - 10 feet	Sapling
Quaking Aspen	30	Pole	7		White Pine	Low	5 - 10 feet	Sapling
White Pine	12	Log	15		Red Maple	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	40	Pole	7	42	Hazelnut (Beaked)	Medium	5 - 10 feet	Tall Shrub
					Choke Cherry	Low	5 - 10 feet	Tall Shrub

31	4136 - Aspen, Mixed Conifer	Sapling Well	8.1	35	1-50	N/A	Harvested in 1987: TS# 2-87. Stand of healthy and fully stocked aspen.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	10	Log	14		Balsam Fir	Medium	5 - 10 feet	Sapling
Red Maple	15	Sapling	3		Hazelnut (Beaked)	Medium	5 - 10 feet	Tall Shrub
Paper Birch	3	Sapling	4		Choke Cherry	Low	5 - 10 feet	Tall Shrub
Bigtooth Aspen	22	Sapling/Pole	4		Willow spp.	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	40	Sapling/Pole	4	35	Red Maple	Medium	5 - 10 feet	Sapling
Balsam Fir	10	Sapling/Pole	4					

32	4136 - Aspen, Mixed Conifer	Poletimber Well	2.9	42	1-50	N/A	Harvested in 1980: TS# 2-76A.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	2	Log	15		Balsam Fir	Medium	5 - 10 feet	Sapling
Quaking Aspen	35	Pole	6	42	Hazelnut (Beaked)	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	10	Sapling/Pole	4		Choke Cherry	Low	5 - 10 feet	Tall Shrub
Red Maple	10	Sapling/Pole	4		White Pine	Low	5 - 10 feet	Sapling
White Pine	8	Log	15		Red Maple	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	35	Pole	6		Willow spp.	Low	< 5 feet	Tall Shrub

33	4136 - Aspen, Mixed Conifer	Poletimber Well	24.2	43	1-50	N/A	Harvested in 1979: TS# 2-76A. Aspen is growing on rocky soils and is in poorer condition given it's age. Edges of the stand consist of smaller fir, most of which has died due to the budworm outbreak.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	35	Pole	6	43	Balsam Fir	Medium	5 - 10 feet	Sapling
Bigtooth Aspen	25	Pole	6		Hazelnut (Beaked)	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	10	Pole/Sapling	5		Red Maple	Medium	5 - 10 feet	Sapling
White Pine	12	Log	15		Choke Cherry	Low	5 - 10 feet	Tall Shrub
Red Pine	3	Log	15		White Pine	Low	5 - 10 feet	Sapling
Red Maple	15	Sapling/Pole	4					

34	6224 - Treed Bog	Nonstocked	42.2		Unspecified	No	Very sparse and small diameter black spruce.
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Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	Low		Sapling
Black Spruce	Low		Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
35	6122 - Black Spruce	Poletimber Poor	10.7	97	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		70	Pole/Sapling	6	97	Black Spruce	Medium	10 - 20 feet	Sapling
Tamarack		30	Pole/Sapling	7		Tamarack	Low	5 - 10 feet	Sapling
36	6224 - Treed Bog	Nonstocked	10.7		Unspecified	No			
Sub-Canopy Species		Density	Avg. Height	Size					
Black Spruce		Low		Sapling					
Tamarack		Low		Sapling					
37	4133 - Aspen, Mixed Pine	Poletimber Poor	14.0	43	1-50	N/A	Harvested in 1979: TS# 2-76A. Did not make it to this stand for this entry period but in looking at imagery and comparing it to areas I have been - Most of this stand appears to have dead standing fir with a small pocket of deciduous/aspen occurring in the SW corner. Ground is undoubtedly rocky with shallow soils.		
38	6122 - Black Spruce	Poletimber Medium	7.7	97	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack		45	Pole/Sapling	7		Tamarack	Low	10 - 20 feet	Sapling
Black Spruce		55	Pole/Sapling	6	97	Tag Alder	Low	5 - 10 feet	Tall Shrub
						Black Spruce	Low	10 - 20 feet	Sapling
39	4130 - Aspen	Poletimber Well	117.0	43	1-50	N/A	Harvested in 1979: TS# 2-76A. Stand of poorer quality aspen. Diameter of aspen varies throughout the stand. Dead standing fir exists due to the budworm outbreak.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		20	Pole	7		Balsam Fir	Medium	5 - 10 feet	Sapling
White Pine		10	Log	15		Red Maple	Medium	5 - 10 feet	Sapling
Paper Birch		5	Pole/Sapling	5		White Pine	Low	5 - 10 feet	Sapling
Red Maple		20	Sapling/Pole	4		Hazelnut (Beaked)	Medium	5 - 10 feet	Tall Shrub
White Spruce		3	Pole/Sapling	5		Willow spp.	Low	5 - 10 feet	Tall Shrub
Quaking Aspen		42	Pole	7	43				
40	6122 - Black Spruce	Poletimber Medium	9.2	97	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		50	Pole/Sapling	6	97	Tamarack	Medium	5 - 10 feet	Sapling
Balsam Fir		3	Pole	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Tamarack		45	Pole/Sapling	8		Black Spruce	Low	10 - 20 feet	Sapling
White Pine		2	Log	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																												
41	4133 - Aspen, Mixed Pine	Poletimber Well	32.9	43	1-50	N/A	Harvested in 1979: TS#2-76A. Rocky ground with poor quality aspen. Entire perimeter of the stand consists of fir that is dead, or nearly dead.																																																												
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42	4136 - Aspen, Mixed Conifer	Sapling Well	29.0	27	Unspecified	N/A	Harvested in 1995: TS# 12-94.																																																												
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43	6220 - Alder/willow	Nonstocked	37.4		Unspecified	No																																																													
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45	500 - Water	Nonstocked	12.1		Unspecified	No																																																													
46	6122 - Black Spruce	Poletimber Poor	9.6	48	Unspecified	N/A	Tag alder swamp with scattered tamarack and black spruce. Low, wet ground. A small patch of decent black spruce exists on the east corner but otherwise poorly stocked wet ground.																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
47	6121 - Tamarack	Poletimber Poor	9.8	48	Unspecified	N/A	Stand of low quality tamarack and black spruce, wet ground. Estimated age due to frozen trees.																																						
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48	6220 - Alder/willow	Nonstocked	1.1		Unspecified	No																																							
49	4130 - Aspen	Poletimber Well	43.5	39	Unspecified	N/A	Stand was cut in 1982. Poorer quality stand of aspen. Hypoxylon is killing a few trees here and there. Some pocket decline as well. Large white pine scattered within the stand. Timber gets poorer within the stand as you head west.																																						
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50	6220 - Alder/willow	Nonstocked	2.2		Unspecified	No																																							
51	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Medium	18.6	39	Unspecified	N/A	Lowland stand of nice black spruce, tamarack, white pine and balsam fir regeneration. Thick tag alder throughout.																																						
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52	4130 - Aspen	Poletimber Well	17.0	39	Unspecified	N/A	Cut in 1982. Aspen is ok quality, some hypoxylon within the stand but it is holding up fairly well.																																						
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53	6122 - Black Spruce	Poletimber Medium	17.9	98	Unspecified	N/A	Stand of stagnant black spruce mixed with a few tamarack and cedar. Wet ground, thick tag alder and american holly within the understory. Depending on what corners I find this spring there may be a small strip of red pine in the SW corner of this stand.																																						
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