



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32225

Entry Year 2025

Acreage: 944

County Marquette

Management Area: Suomi Till and Outwash Plain

Stand Examiner: Rick Hill

Legal Description:

T46N-R29W, sections 26, 32, 35, 36.

Identified Planning Goals:

Vegetative management in the area will provide a variety of forest products; maintain or enhance wildlife habitat; protect areas with unique characteristics; and provide for forest based recreational uses.

Soil and topography:

Soils range from sand to loamy sand in the uplands and organic mucks and peats in the lowlands. Topography ranges from level to rolling to moderately hilly.

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

The tracts that comprise this compartment are bordered by State, corporate, and non-industrial ownerships. Land use is dominated by forest production and passive recreation.

Unique Natural Features:

Archeological, Historical, and Cultural Features:

The Navy's abandoned project ELF was centered in this compartment.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

This compartment contains Long Lake. A minimum 100-foot buffer is recommended for Long Lake to protect shoreland resources in accordance with Best Management Practices and the Michigan Wildlife Action Plan.

Wildlife Habitat Considerations:

This compartment is found within the Soumi Till and Outwash 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 1/4 of the oak resource on WUP state forest.

The following have been identified as featured species for the Soumi Till and Outwash Management Area: Blackburnian Warbler, Golden-winged Warbler, Kirtland's Warbler, Red Crossbill, Black-backed Woodpecker, Ruffed Grouse, American Marten, White-tailed Deer, Black Bear.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured glacial till and peat and muck. The glacial drift thickness varies between 50 and 100 feet or there is insufficient data. The Precambrian Archean Granite/Gneiss subcrops below the glacial drift. This rock could be used as a building or dimension stone. Gravel pits are not located in the area, but potential may be good. The abandoned Republic iron mine is located two miles to the north. Part of the compartment was previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

Is generally good to and around this compartment.

Survey Needs:

None.

Recreational Facilities and Opportunities:

A groomed snowmobile trail is the only facility within the compartment. A boating access site to long lake could be considered in the future as on long lake.

Fire Protection:

This area has moderate to high fire danger due to fuels and local camps and homes. ground is well suited to operation with mechanized equipment.

Additional Compartment Information:

The following reports from the Inventory are attached:

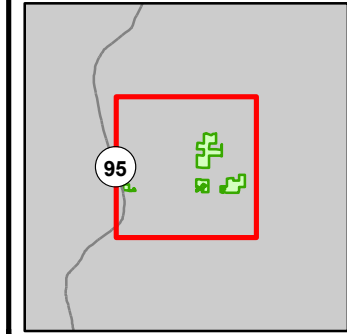
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

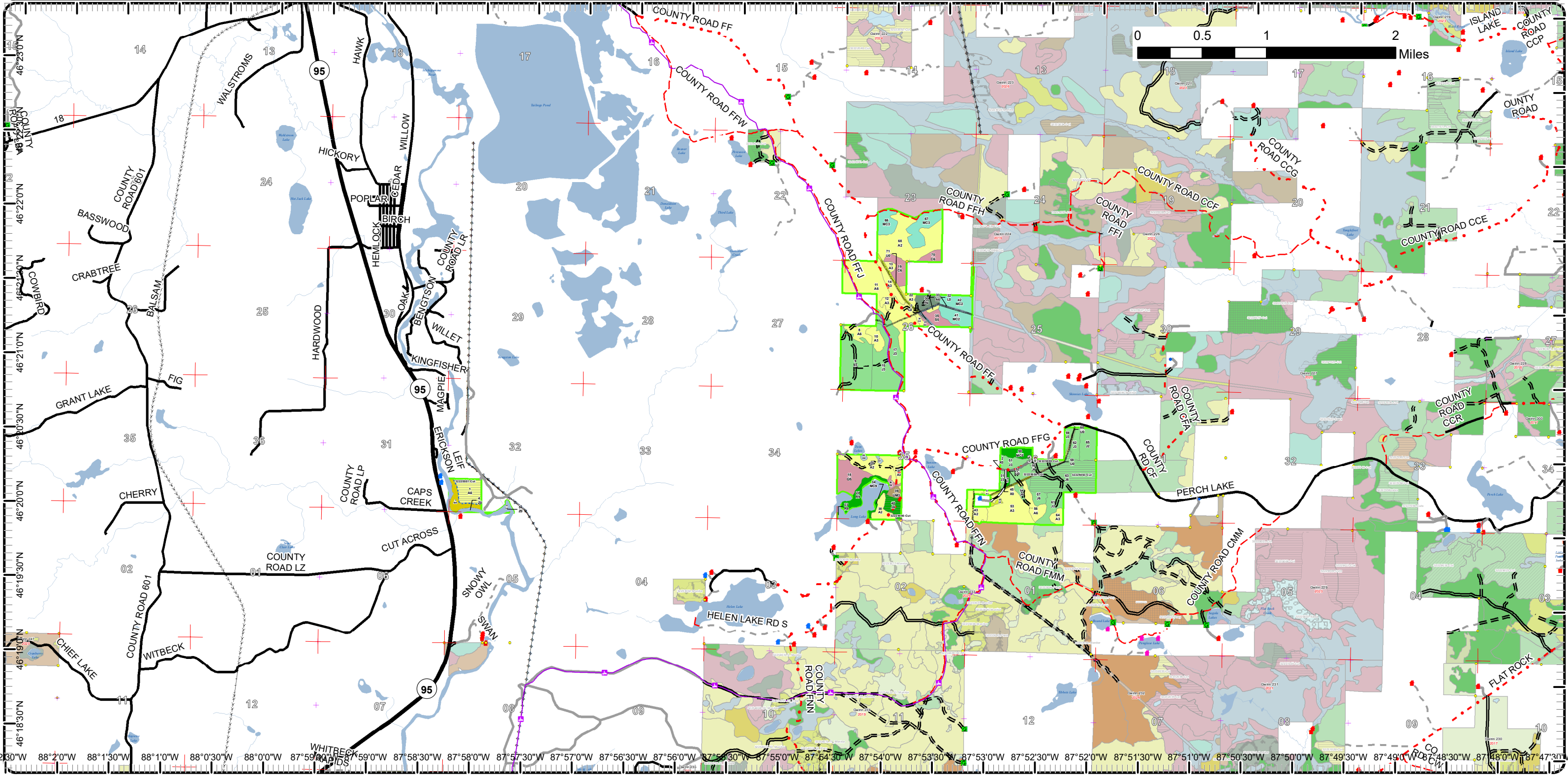
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Overview Map

Compartment: 225
 T46N,R29W, Sec. 23, 26, 32, 35,
 36
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and
 Outwash Plain
 YOE: 2025
 Acres: 943.8 GIS Calculated
 Examiner: Rick Hill
 Map Revised: 8/17/2023
 Map Phase: Pre-Review

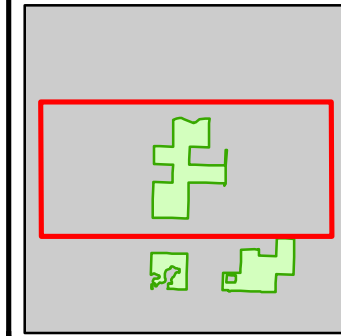


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Cabin
- House
- Structure, Seasonal Dwelling
- Gate
- Bridges
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub

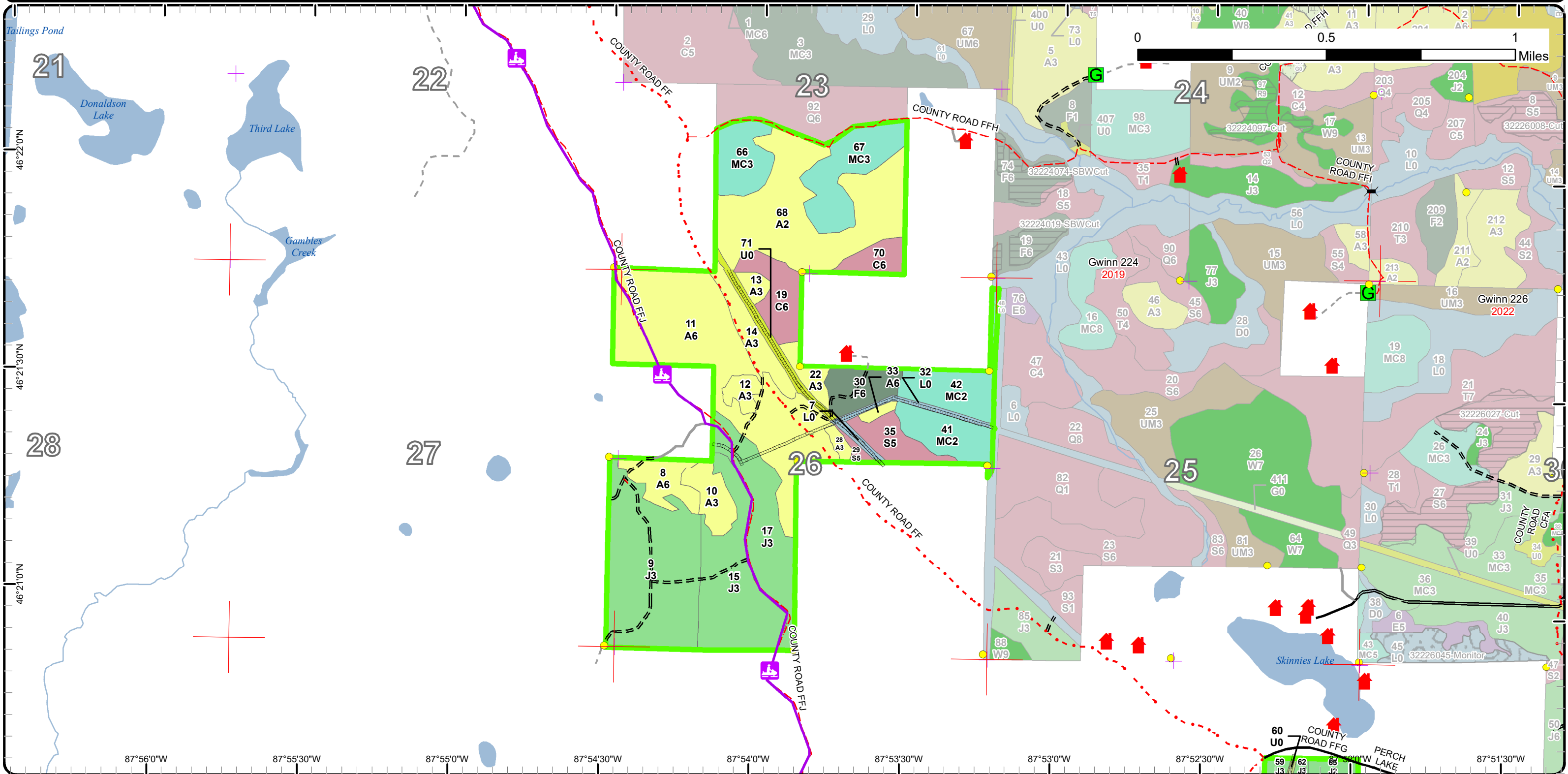


Cover Type & Treatments Map

Compartment: 225
 T46N, R29W, Sec. 23, 26, 32, 35, 36
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and Outwash Plain
 YOE: 2025
 Acres: 943.8 GIS Calculated
 Examiner: Rick Hill
 Map Revised: 8/17/2023
 Map Phase: Pre-Review



- 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
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- ▲ Cabin
- Gate
- ✕ Bridges
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Compartment Boundary
- 413 - Aspen
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 612 - Lowland Coniferous Forest
- 330 - Low Density Trees
- 622 - Lowland Shrub

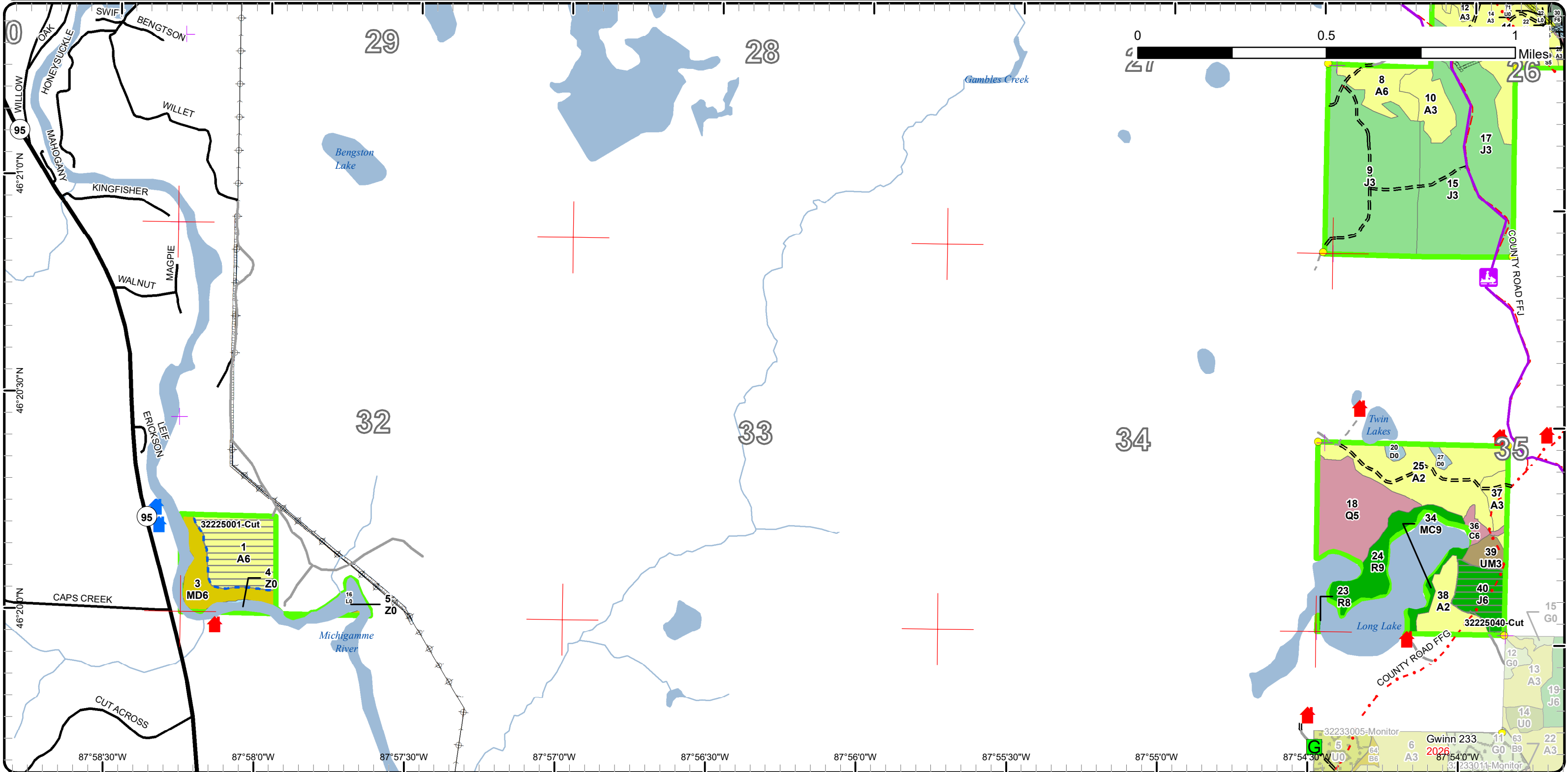


Cover Type & Treatments Map

Compartment: 225
 T46N, R29W, Sec. 23, 26, 32, 35,
 36
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and
 Outwash Plain
 YOE: 2025
 Acres: 943.8 GIS Calculated
 Examiner: Rick Hill
 Map Revised: 8/17/2023
 Map Phase: Pre-Review

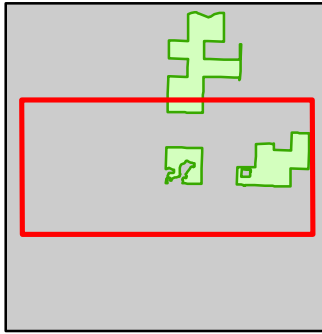


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- ▲ Cabin
- ▲ House
- G Gate
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 500 - Water
- 622 - Lowland Shrub

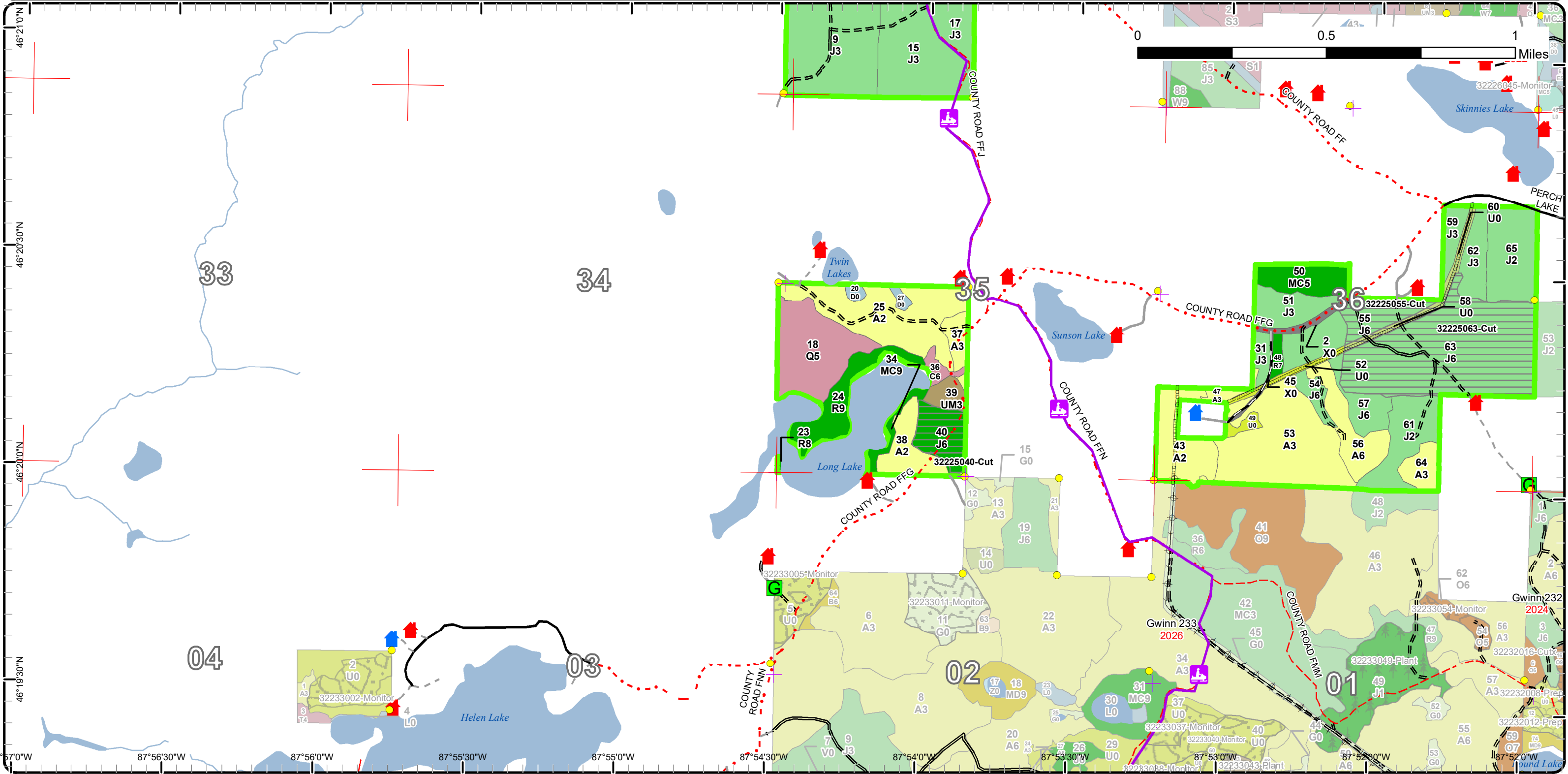


Cover Type & Treatments Map

Compartment: 225
 T46N,R29W, Sec. 23, 26, 32, 35,
 36
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and
 Outwash Plain
 YOE: 2025
 Acres: 943.8 GIS Calculated
 Examiner: Rick Hill
 Map Revised: 8/17/2023
 Map Phase: Pre-Review

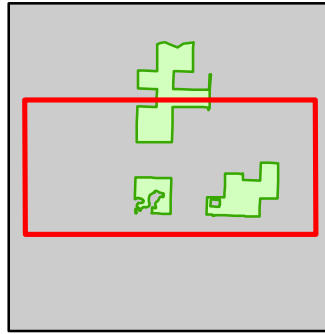


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- ▲ Cabin
- ▲ House
- G Gate
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Clearcut (w/Reserves)
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub

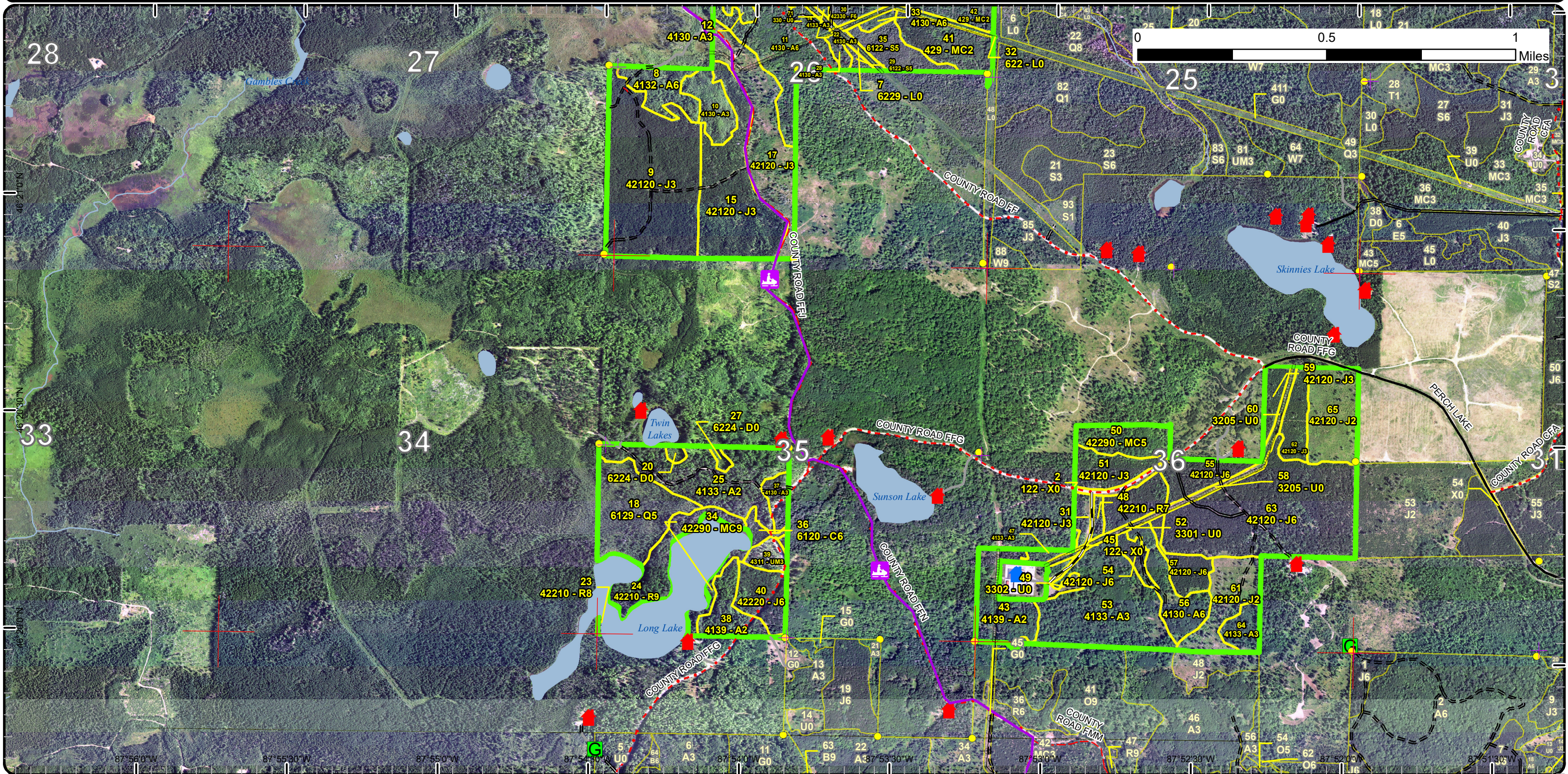


Stand Boundary Map

Compartment: 225
 T46N, R29W, Sec. 23, 26, 32, 35,
 36
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and
 Outwash Plain
 YOE: 2025
 Acres: 943.8 GIS Calculated
 Examiner: Rick Hill
 Map Revised: 8/17/2023
 Map Phase: Pre-Review

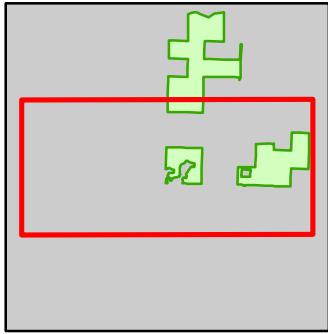


- Miris Corners
 - + Remonumented Section Corners
 - Survey Grade Corners
 - Counties
 - DNR - Primary Forest Road
 - DNR - Secondary Forest Road
 - DNR - Forest Access Route
 - Federal / State / County - Paved Road
 - County - Gravel Road
 - County - Dirt Road (Seasonal)
 - Private - Paved Road
 - Private - Dirt / Gravel Road
 - Snowmobile Trails
 - Designated Snowmobile Trails
 - ▲ Cabin
 - ▲ House
 - G Gate
 - Lake/Pond
 - Perennial River
 - Lakes and Rivers
 - Pipeline
 - Powerline
 - Compartment Boundary
 - Stand Boundaries
- 430 - Upland Mixed Forest
 - 612 - Lowland Coniferous Forest
 - 122 - Roads/Parking Lot
 - 320 - Upland Shrub
 - 330 - Low Density Trees
 - 622 - Lowland Shrub
 - 413 - Aspen
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 429 - Mixed Upland Conifers

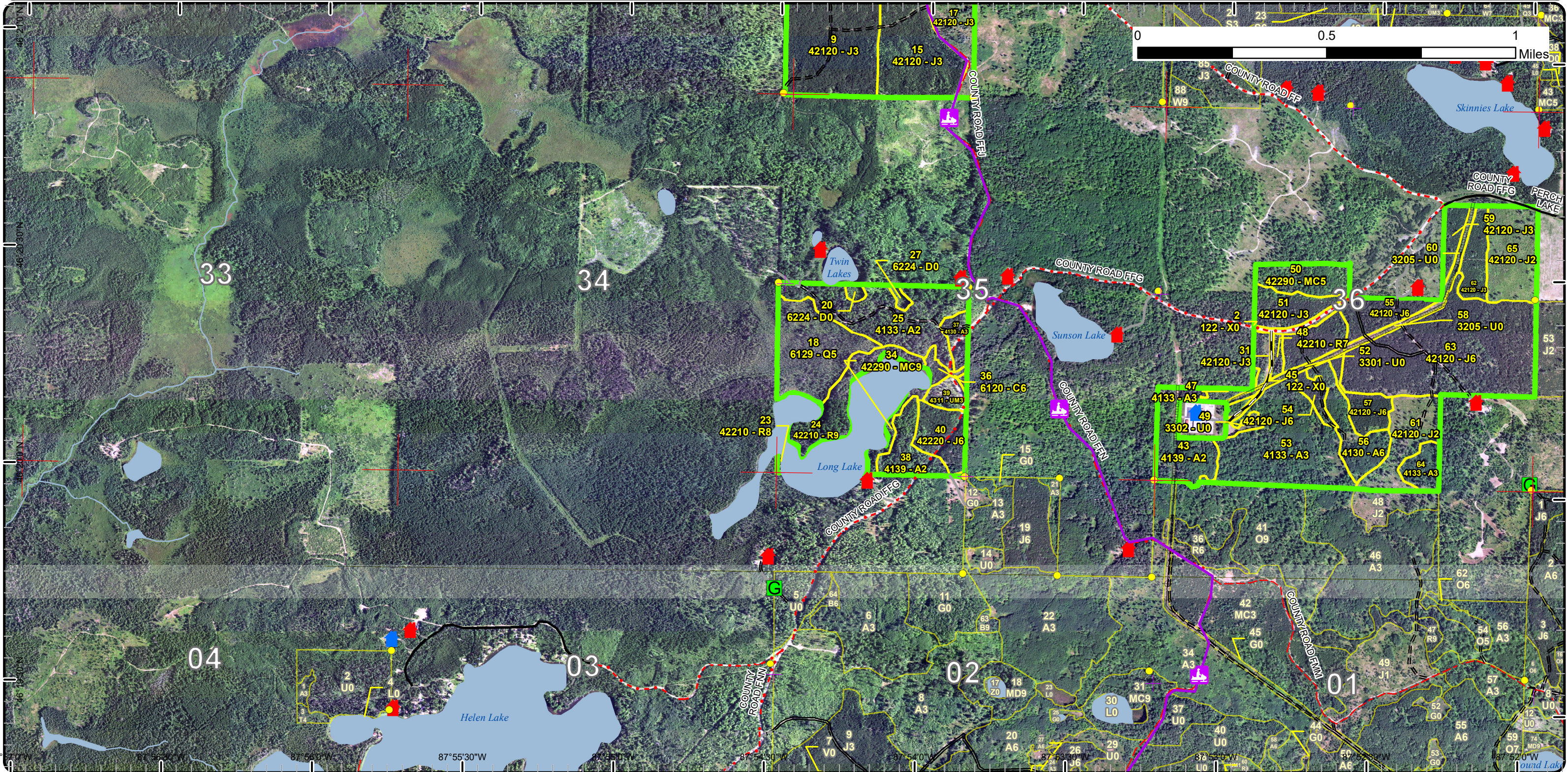


Stand Boundary Map

Compartment: 225
 T46N,R29W, Sec. 23, 26, 32, 35,
 36
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and
 Outwash Plain
 YOE: 2025
 Acres: 943.8 GIS Calculated
 Examiner: Rick Hill
 Map Revised: 8/17/2023
 Map Phase: Pre-Review

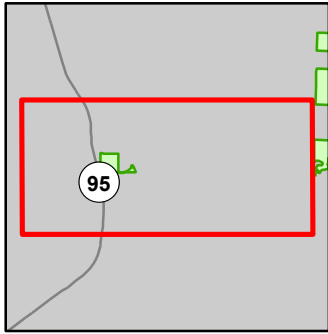


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Cabin
- House
- Gate
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Stand Boundaries
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest

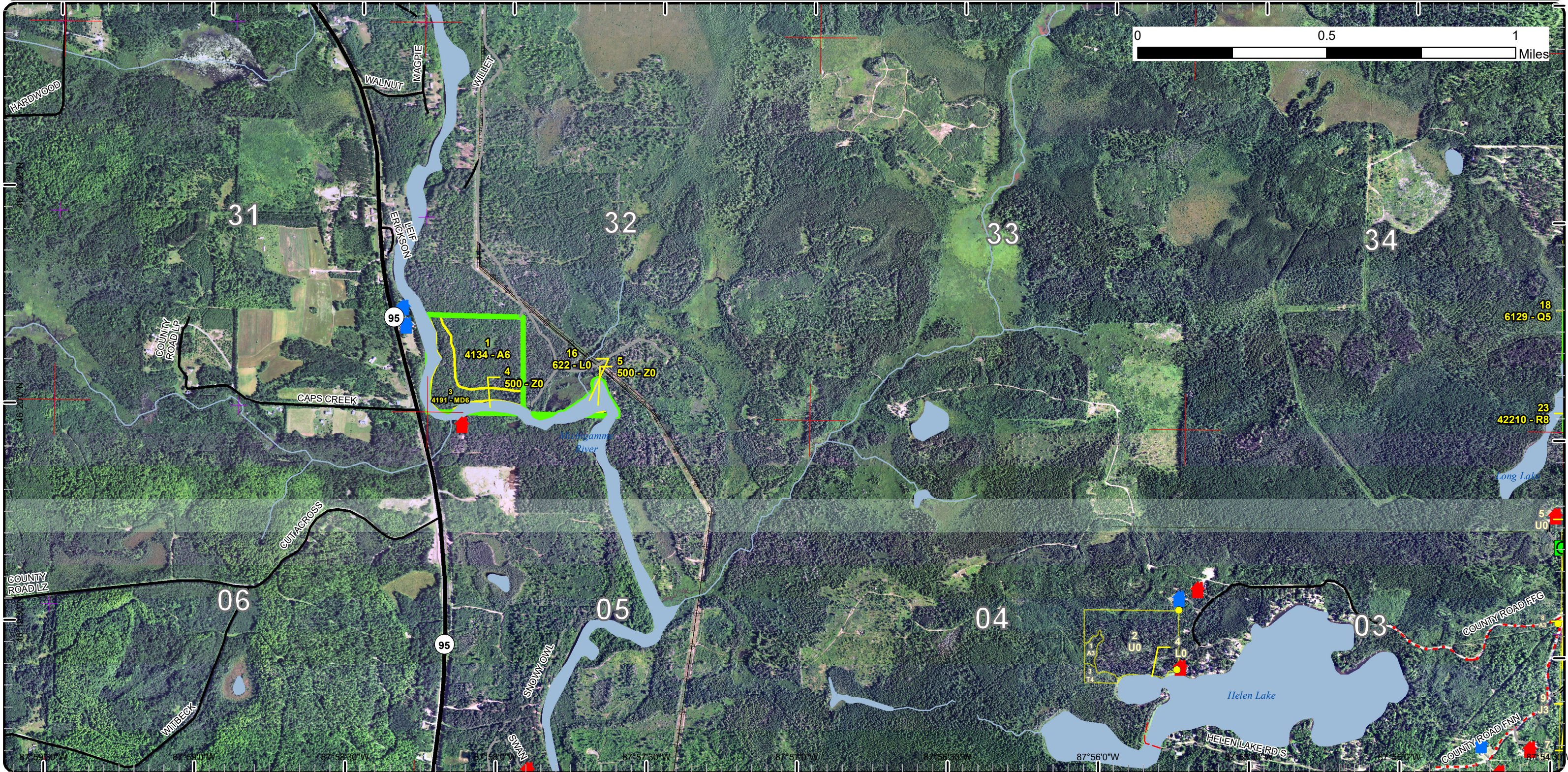


Stand Boundary Map

Compartment: 225
 T46N,R29W, Sec. 23, 26, 32, 35, 36
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and Outwash Plain
 YOE: 2025
 Acres: 943.8 GIS Calculated
 Examiner: Rick Hill
 Map Revised: 8/17/2023
 Map Phase: Pre-Review

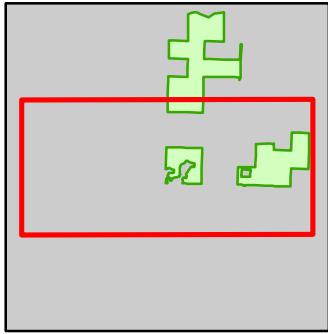


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Cabin
- House
- Gate
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Stand Boundaries
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 500 - Water
- 622 - Lowland Shrub

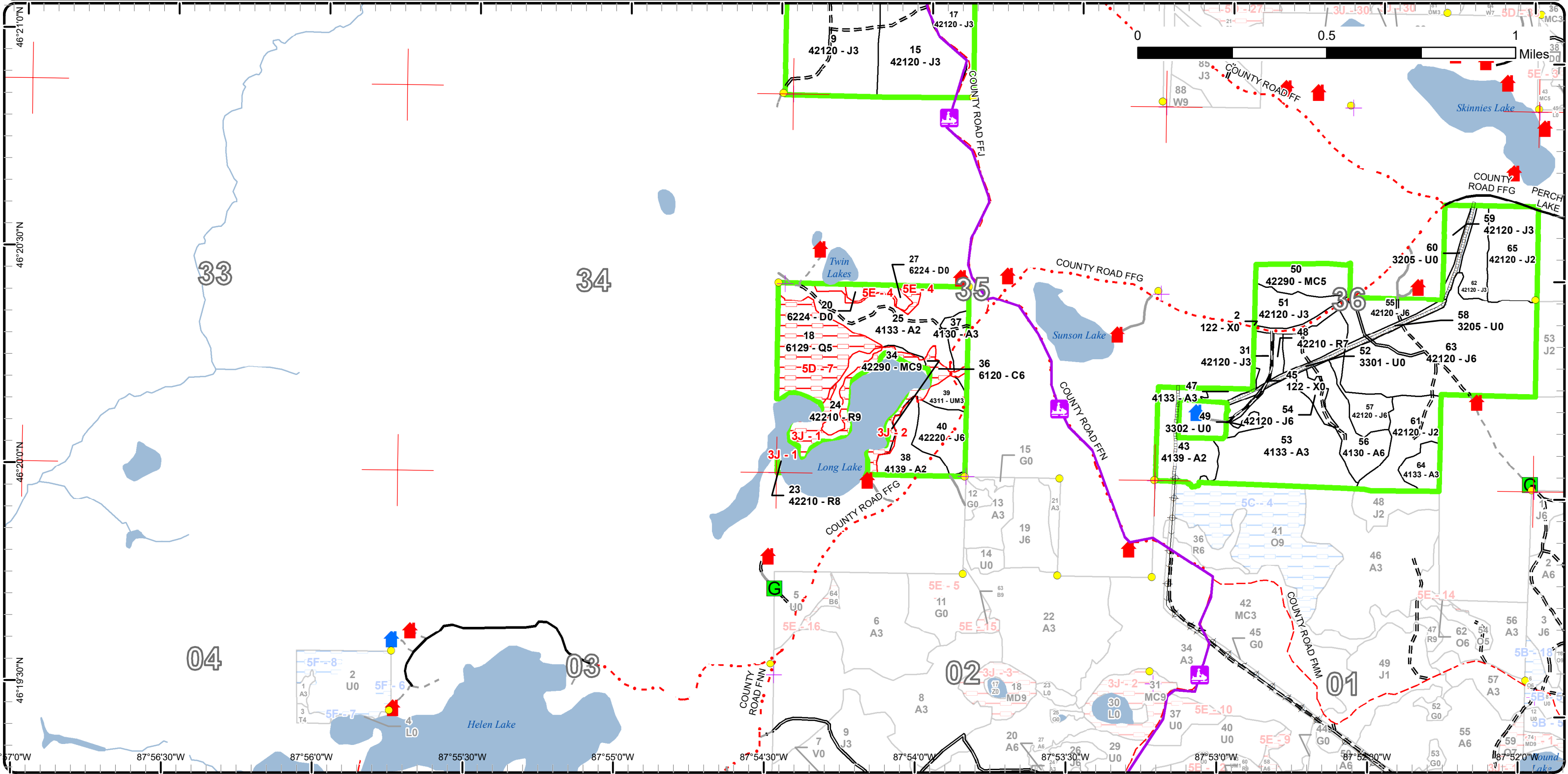


Special Conservation Areas

Compartment: 225
 T46N,R29W, Sec. 23, 26, 32, 35,
 36
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and
 Outwash Plain
 YOE: 2025
 Acres: 943.8 GIS Calculated
 Examiner: Rick Hill
 Map Revised: 8/17/2023
 Map Phase: Pre-Review

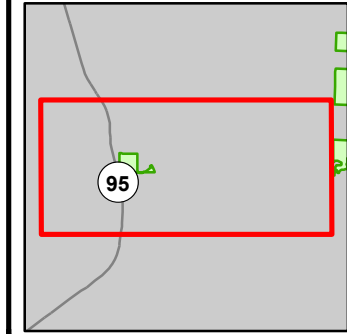


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- ▲ Cabin
- ▲ House
- G Gate
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries

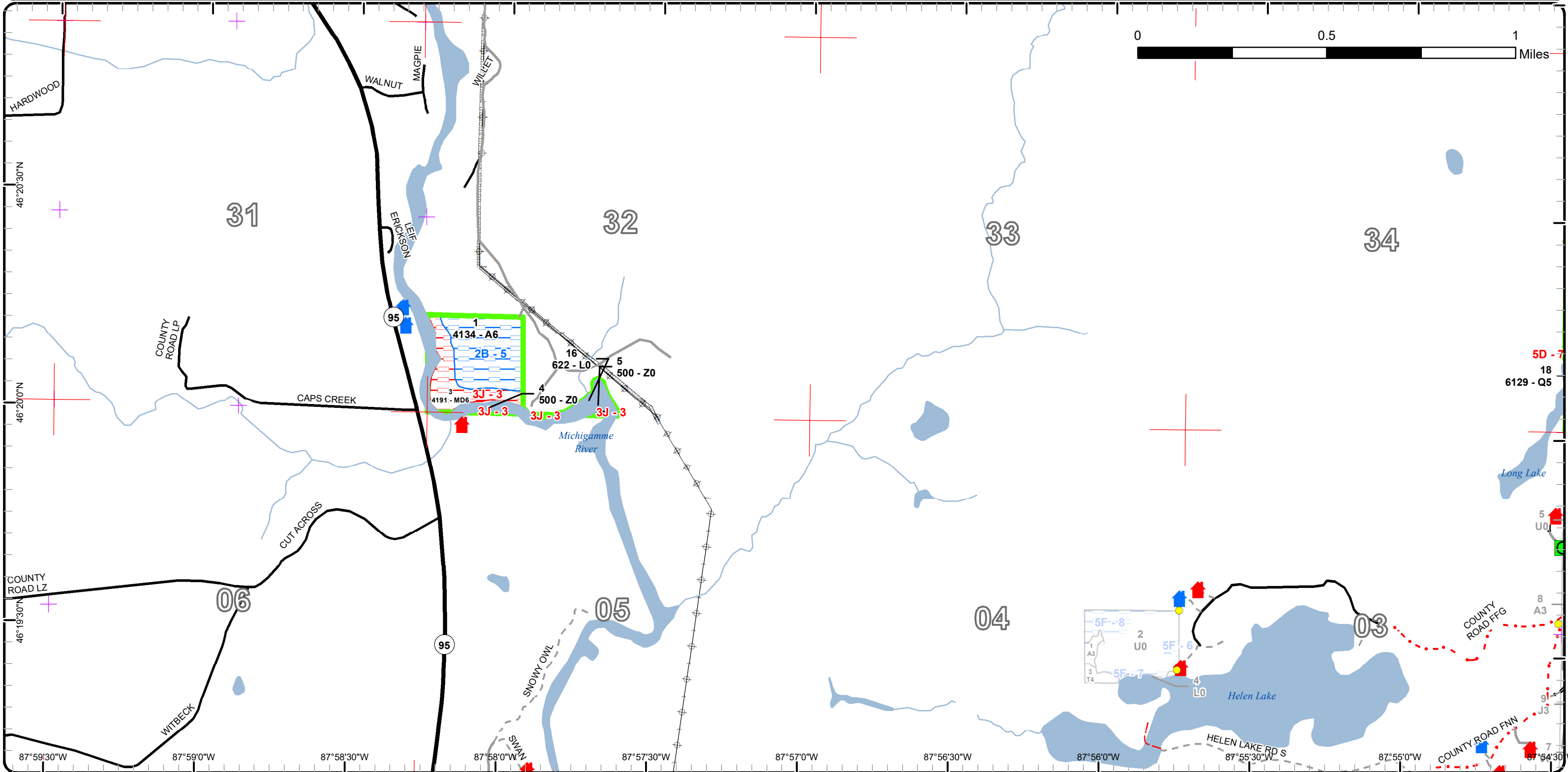
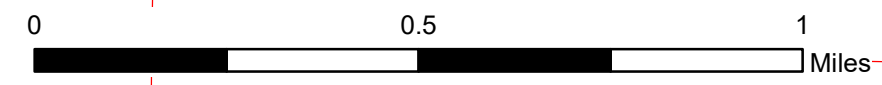


Special Conservation Areas

Compartment: 225
 T46N,R29W, Sec. 23, 26, 32, 35, 36
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and Outwash Plain
 YOE: 2025
 Acres: 943.8 GIS Calculated
 Examiner: Rick Hill
 Map Revised: 8/17/2023
 Map Phase: Pre-Review

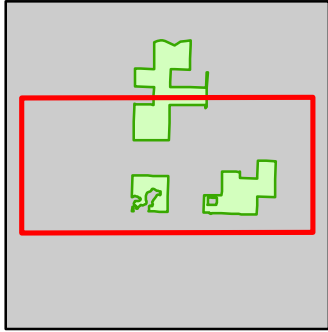


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Cabin
- House
- G Gate
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Cold Water Streams
- Vernal Pool

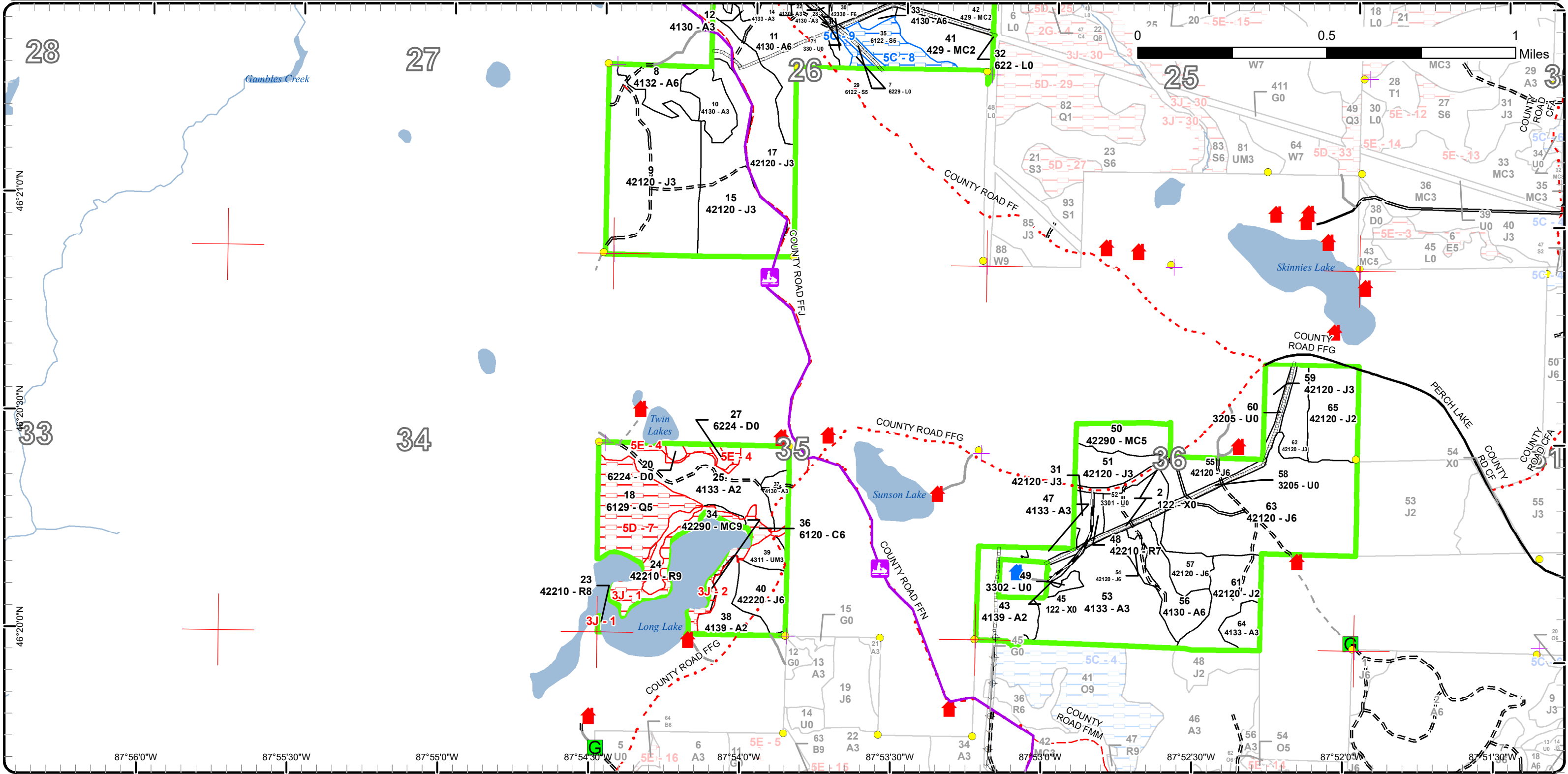


Special Conservation Areas

Compartment: 225
 T46N, R29W, Sec. 23, 26, 32, 35, 36
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Suomi Till and Outwash Plain
 YOE: 2025
 Acres: 943.8 GIS Calculated
 Examiner: Rick Hill
 Map Revised: 8/17/2023
 Map Phase: Pre-Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- ▲ Cabin
- ▲ House
- G Gate
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams



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	99	9	123	113	2	23	0	0	0	0	0	0	0	0	0	0	0	369
Cedar	0	0	0	0	0	0	0	0	3	0	23	0	0	0	0	0	0	0	26
Jack Pine	0	0	71	56	102	81	12	0	0	0	0	0	0	0	0	0	0	0	322
Low-Density Trees	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Lowland Conifers	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	29
Lowland Shrub	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	13
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	14
Natural Mixed Pines	0	0	0	0	12	0	0	0	5	0	0	0	0	0	0	0	0	0	17
Red Pine	0	0	0	0	0	0	0	19	0	1	0	0	0	0	0	0	0	0	20
Treed Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Conifers	0	0	0	42	36	0	0	0	0	0	0	0	0	0	0	0	0	0	78
Upland Mixed Forest	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Upland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Upland Spruce/Fir	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	13
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	41	99	85	221	263	96	35	0	19	51	14	23	0	0	0	0	0	0	947



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 225
Total Compartment Acres: 944

Commercial Harvest - 95
Harvests with Site Condition - 23
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	23	0	0	0	0	0	0	0	0	23
Jack Pine	92	0	0	0	0	0	0	0	0	92
Upland Shrub	3	0	0	0	0	0	0	0	0	3
Total	119	0	0	0	0	0	0	0	0	119

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	119	0	0	0	0	0	0	0	0	119
Next Step	0	286	312	0	0	95	320	0	0	1014
Total	119	286	312	0	0	95	320	0	0	1132



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
------------	----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

Proposed Treatments:

1	32225001-Cut	23.3	4134 - Aspen, Spruce/Fir	Poletimber Well	53	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut leaving only oak, white, red pine. Retention will be the Michigamme river buffer. Retention will include some large forked aspen.</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</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 /2024</p>											
40	32225040-Cut	11.8	42220 - Natural Jack Pine	Poletimber Well	53	81-110	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Cut all trees over 2 inches DBH except oak, red pine and white pine. Leave area retention along lake buffer for Long Lake. Use a no chipping spec to keep slash present for post-harvest scarification.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Planting, Replant; Planting, Interplant; Planting, Unfurrowed; Pesticide, Skidder - Site Prep; Monitoring, Natural Regen (Intermediate); Mo</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> jack 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 /2024</p>											
55	32225055-Cut	10.8	42120 - Planted Jack Pine	Poletimber Well	49	1-50	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Cut all trees over 2 inches DBH, leaving only oak, red pine, and white pine. Leave area retention along a stand edge to allow for more efficient cultivation operations. Use a no chipping spec to keep slash present for post-harvest scarification.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory); SitePrep, Roller Chopping; SitePrep, Trenching; Planting, Initial Plant; Planting, Replant; Planting, Replant; Planting, Unfurrowed; Monitoring, Artificial Regen(1yr); Mo</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack 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 /2024</p>											
58	32225058-Cut	3.0	3205 - Mixed Upland Shrub	Nonstocked		Unspecified	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Cut all trees over 2 inches DBH, leaving only oak, red pine, and white pine. Use a no chipping spec to keep slash present for post-harvest scarification.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; SitePrep, Scarification; SitePrep, Roller Chopping; Planting, Initial Plant; Planting, Replant; Planting, Interplant; Planting, Unfurrowed; Pesticide, Aerial - Site Prep; Monitoring, Artificial Regen(1yr); Monitoring</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack 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 /2024</p>											



S
t
a
n
d

Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
63 32225063-Cut	69.8	42120 - Planted Jack Pine	Poletimber Well	49	1-50	Harvest	Clearcut with Retention	4222 - Natural Jack Pine	Even-Aged	No
<p><u>Prescription</u> Cut all trees over 2 inches, leaving only oak, red pine and white pine. Leave area retention along a stand edge to allow for more efficient cultivation operations. Use a no chipping spec to keep slash present for post-harvest scarification.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Roller Chopping; SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory); SitePrep, Trenching; Planting, Initial</p> <p><u>Treatments:</u> Plant; Planting, Interplant; Planting, Replant; Pesticide, Aerial - Site Prep; Monitoring, Artificial Rege</p> <p><u>Acceptable</u> Jack 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 /2024</p>										

Total Treatment 118.7
Acreage Proposed:

Report 4 – Site Conditions

Gwinn Mgt. Unit
Rick Hill : Examiner

Compartment: 225
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available		Dominant Site Conditions				
		With Condition				2B	5C	3J	5D	5E
370	342	23		4	Aspen	23		0		4
26	23	0		3	Cedar			3		
321	321	0		0	Jack Pine					
12	12	0		0	Low-Density Trees					
29	0	0		29	Lowland Conifers				29	
8	8	0		0	Lowland Shrub					
13	0	13		0	Lowland Spruce/Fir		13			
14	0	0		14	Mixed Upland Deciduous			14		
17	12	0		5	Natural Mixed Pines			5		
20	7	0		12	Red Pine			12		
3	3	0		0	Treed Bog					0
78	78	0		0	Upland Conifers					
5	5	0		0	Upland Mixed Forest					
6	6	0		0	Upland Shrub					
13	13	0		0	Upland Spruce/Fir					
4	4	0		0	Urban					
7	7	0		0	Water					
944	841	36		67	Total Forested Acres	23	13	34	29	4
	89%	4%		7%	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)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Rick Hill : Examiner

Compartment: 225
Year of Entry: 2025

3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	2B: Unknown if access through adjacent landowner(s) is possible	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5D: Unproductive Forest Land	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	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
----------	--------------	-------------	----------------	-------

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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
1	4134 - Aspen, Spruce/Fir	Poletimber Well	23.3	53	51-80	N/A	Harvested in 1970: TS# 24-70.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>30</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>6</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>2</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>7</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>3</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>50</td> <td>Pole/Sapling</td> <td>6</td> <td>53</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	30	Pole/Sapling	6		White Pine	2	Log/Pole	11		Red Maple	6	Pole	7		Black Spruce	2	Pole	6		Paper Birch	7	Pole	7		White Spruce	3	Pole	9		Quaking Aspen	50	Pole/Sapling	6	53	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	10 - 20 feet	Sapling	Black Spruce	Low	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Balsam Fir	30	Pole/Sapling	6																																																				
White Pine	2	Log/Pole	11																																																				
Red Maple	6	Pole	7																																																				
Black Spruce	2	Pole	6																																																				
Paper Birch	7	Pole	7																																																				
White Spruce	3	Pole	9																																																				
Quaking Aspen	50	Pole/Sapling	6	53																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Balsam Fir	High	10 - 20 feet	Sapling																																																				
Black Spruce	Low	10 - 20 feet	Sapling																																																				
2	122 - Road/Parking Lot	Nonstocked	2.9	0	Unspecified	No																																																	
3	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	13.8	83	51-80	N/A	RMZ for the Michigamme River, this parcel provides a place for river users a public area for breaks or an area to camp for multi day trips.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Spruce</td> <td>10</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>3</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>35</td> <td>Pole</td> <td>8</td> <td>83</td> </tr> <tr> <td>Balsam Fir</td> <td>15</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>5</td> <td>Pole/Log</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Spruce	10	Pole	9		Black Spruce	3	Pole	7		White Pine	2	Log	14		Red Maple	30	Pole/Log	9		Paper Birch	35	Pole	8	83	Balsam Fir	15	Pole	7		Quaking Aspen	5	Pole/Log	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Spruce</td> <td>Low</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>Balsam Fir</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Spruce	Low	>20 feet	Pole	Balsam Fir	High	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																			
White Spruce	10	Pole	9																																																				
Black Spruce	3	Pole	7																																																				
White Pine	2	Log	14																																																				
Red Maple	30	Pole/Log	9																																																				
Paper Birch	35	Pole	8	83																																																			
Balsam Fir	15	Pole	7																																																				
Quaking Aspen	5	Pole/Log	10																																																				
Sub-Canopy Species	Density	Avg. Height	Size																																																				
White Spruce	Low	>20 feet	Pole																																																				
Balsam Fir	High	10 - 20 feet	Sapling																																																				
4	500 - Water	Nonstocked	5.3		Unspecified	No	Michigamme River.																																																
5	500 - Water	Nonstocked	2.2		Unspecified	No	Michigamme River.																																																
7	6229 - Mixed lowland shrub	Nonstocked	2.3	0	Unspecified	No																																																	
8	4132 - Aspen, Jack Pine	Poletimber Well	12.0	34	51-80	N/A	Harvested in 1989: TS# 4-85.																																																
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>8</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>30</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>2</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>30</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>30</td> <td>Pole/Sapling</td> <td>5</td> <td>34</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	8	Pole/Sapling	5		Quaking Aspen	30	Pole/Sapling	5		Balsam Fir	2	Pole/Sapling	5		Jack Pine	30	Pole/Sapling	5		Bigtooth Aspen	30	Pole/Sapling	5	34	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Hazelnut (Beaked)</td> <td>Medium</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	10 - 20 feet	Sapling	Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub	Balsam Fir	Medium	5 - 10 feet	Sapling						
Canopy Species	% Cover	Size Class	DBH	Age																																																			
Red Maple	8	Pole/Sapling	5																																																				
Quaking Aspen	30	Pole/Sapling	5																																																				
Balsam Fir	2	Pole/Sapling	5																																																				
Jack Pine	30	Pole/Sapling	5																																																				
Bigtooth Aspen	30	Pole/Sapling	5	34																																																			
Sub-Canopy Species	Density	Avg. Height	Size																																																				
Jack Pine	Medium	10 - 20 feet	Sapling																																																				
Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub																																																				
Balsam Fir	Medium	5 - 10 feet	Sapling																																																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
9	42120 - Planted Jack Pine	Sapling Well	64.9	31	1-50	N/A	Harvested in 1989: TS#4-85. Trenched and hand planted in 1992.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>2</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>2</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>96</td> <td>Sapling/Pole</td> <td>4</td> <td>31</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	2	Sapling/Pole	4		Balsam Fir	2	Sapling	3		Jack Pine	96	Sapling/Pole	4	31	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Choke Cherry</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Choke Cherry	Low	5 - 10 feet	Tall Shrub	Jack Pine	Medium	10 - 20 feet	Sapling	Balsam Fir	Low	10 - 20 feet	Sapling																									
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Red Maple	2	Sapling/Pole	4																																																													
Balsam Fir	2	Sapling	3																																																													
Jack Pine	96	Sapling/Pole	4	31																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Choke Cherry	Low	5 - 10 feet	Tall Shrub																																																													
Jack Pine	Medium	10 - 20 feet	Sapling																																																													
Balsam Fir	Low	10 - 20 feet	Sapling																																																													
10	4130 - Aspen	Sapling Well	10.4	26	Unspecified	N/A	Harvested in 1997: TS# 6-95.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>70</td> <td>Sapling</td> <td>2</td> <td>26</td> </tr> <tr> <td>Jack Pine</td> <td>2</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>2</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>14</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	70	Sapling	2	26	Jack Pine	2	Sapling	2		Red Oak	2	Pole/Log	9		Red Maple	10	Sapling	2		Paper Birch	2	Sapling	2		Quaking Aspen	14	Sapling	2		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Serviceberry (Juneberry)</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Hazelnut (Beaked)</td> <td>High</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub	Red Maple	Medium	5 - 10 feet	Sapling	Hazelnut (Beaked)	High	< 5 feet	Tall Shrub										
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Bigtooth Aspen	70	Sapling	2	26																																																												
Jack Pine	2	Sapling	2																																																													
Red Oak	2	Pole/Log	9																																																													
Red Maple	10	Sapling	2																																																													
Paper Birch	2	Sapling	2																																																													
Quaking Aspen	14	Sapling	2																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub																																																													
Red Maple	Medium	5 - 10 feet	Sapling																																																													
Hazelnut (Beaked)	High	< 5 feet	Tall Shrub																																																													
11	4130 - Aspen	Poletimber Well	86.3	37	51-80	N/A	Harvested in 1986: TS# 6-85.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>2</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>40</td> <td>Pole/Sapling</td> <td>5</td> <td>37</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>30</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>2</td> <td>Pole/Sapling</td> <td>8</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Sapling/Pole</td> <td>5</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>4</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	2	Pole/Sapling	7		Red Maple	15	Sapling/Pole	4		Quaking Aspen	40	Pole/Sapling	5	37	Bigtooth Aspen	30	Pole/Sapling	6		White Spruce	2	Pole/Sapling	8		Balsam Fir	5	Sapling/Pole	5		Red Pine	4	Log/Pole	11		White Pine	2	Log/Pole	13		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Hazelnut (Beaked)</td> <td>High</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Hazelnut (Beaked)	High	< 5 feet	Tall Shrub	Red Maple	Medium	10 - 20 feet	Sapling	Balsam Fir	Low	5 - 10 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Jack Pine	2	Pole/Sapling	7																																																													
Red Maple	15	Sapling/Pole	4																																																													
Quaking Aspen	40	Pole/Sapling	5	37																																																												
Bigtooth Aspen	30	Pole/Sapling	6																																																													
White Spruce	2	Pole/Sapling	8																																																													
Balsam Fir	5	Sapling/Pole	5																																																													
Red Pine	4	Log/Pole	11																																																													
White Pine	2	Log/Pole	13																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Hazelnut (Beaked)	High	< 5 feet	Tall Shrub																																																													
Red Maple	Medium	10 - 20 feet	Sapling																																																													
Balsam Fir	Low	5 - 10 feet	Sapling																																																													
12	4130 - Aspen	Sapling Well	4.8	4	Immature	N/A	Cut in the fall of 2019 under Long Lake Shores 32-111-15-01 by Minerick logging.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>60</td> <td>Sapling</td> <td>1</td> <td>4</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>35</td> <td>Sapling</td> <td>1</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling	1		Quaking Aspen	60	Sapling	1	4	Bigtooth Aspen	35	Sapling	1																																												
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Red Maple	5	Sapling	1																																																													
Quaking Aspen	60	Sapling	1	4																																																												
Bigtooth Aspen	35	Sapling	1																																																													
13	4130 - Aspen	Sapling Well	3.1	4	Immature	N/A	Cut in the fall of 2019 under Long Lake Shores 32-111-15-01 by Minerick logging.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>100</td> <td>Sapling</td> <td>1</td> <td>4</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	100	Sapling	1	4																																																					
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Quaking Aspen	100	Sapling	1	4																																																												
14	4133 - Aspen, Mixed Pine	Sapling Well	11.9	4	Immature	N/A	Cut in the fall of 2019 under Long Lake Shores 32-111-15-01 by Minerick logging.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>16</td> <td>Log/Pole</td> <td>16</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>69</td> <td>Sapling</td> <td>1</td> <td>4</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log/Pole</td> <td>16</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	16	Log/Pole	16		Quaking Aspen	69	Sapling	1	4	White Pine	15	Log/Pole	16																																												
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Red Pine	16	Log/Pole	16																																																													
Quaking Aspen	69	Sapling	1	4																																																												
White Pine	15	Log/Pole	16																																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
15	42120 - Planted Jack Pine	Sapling Well	41.1	25	Unspecified	N/A	Harvested in 1997: TS# 6-95. Trenched and direct seeded in 1998.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		5	Sapling	2		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Balsam Fir		2	Pole	5		Choke Cherry	Low	5 - 10 feet	Tall Shrub
Red Pine		5	Log/Pole	11		Balsam Fir	Low	5 - 10 feet	Sapling
Quaking Aspen		9	Sapling	2		Jack Pine	Low	< 5 feet	Sapling
Jack Pine		79	Sapling	2	25	Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
16	622 - Lowland Shrub	Nonstocked	1.9		Unspecified	No			
17	42120 - Planted Jack Pine	Sapling Well	32.1	15	1-50	N/A	Harvested in 2008: TS# 108-05-01. Trenched and direct seeded in 2010.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		5	Pole/Sapling	5		Pin Cherry	Low	< 5 feet	Tall Shrub
Red Pine		4	Log/Pole	11		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Red Maple		5	Sapling	1		Jack Pine	Low	< 5 feet	Sapling
Jack Pine		70	Sapling	1	15				
Paper Birch		2	Pole/Sapling	6					
White Pine		4	Log/Pole	11					
Quaking Aspen		5	Sapling	1	15				
Balsam Fir		2	Pole/Sapling	5					
Bigtooth Aspen		3	Sapling	1					
18	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	28.9	80	1-50	N/A	non-productive.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack		40	Pole/Sapling	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black Spruce		45	Pole/Sapling	6	80	Tamarack	Low	5 - 10 feet	Sapling
Northern White Cedar		15	Pole/Sapling	6		Black Spruce	Medium	5 - 10 feet	Sapling
						Northern White Cedar	Low	5 - 10 feet	Sapling
19	6120 - Lowland Cedar	Poletimber Well	15.1	103	141-170	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar		80	Pole/Sapling	7	103	Balsam Fir	Low	10 - 20 feet	Sapling
Paper Birch		8	Pole	7		Northern White Cedar	Low	10 - 20 feet	Sapling
Balsam Fir		4	Pole/Sapling	5		Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Spruce		6	Pole	7					
Balsam Poplar		2	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
20	6224 - Treed Bog	Nonstocked	1.3		Unspecified	No																																													
				<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tamarack</td> <td>Medium</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Trace</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Medium</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Trace</td> <td></td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tamarack	Medium		Sapling	Red Pine	Trace		Sapling	Black Spruce	Medium		Sapling	Balsam Fir	Trace		Sapling																										
Sub-Canopy Species	Density	Avg. Height	Size																																																
Tamarack	Medium		Sapling																																																
Red Pine	Trace		Sapling																																																
Black Spruce	Medium		Sapling																																																
Balsam Fir	Trace		Sapling																																																
22	4130 - Aspen	Sapling Well	5.6	4	Immature	N/A	Cut in the fall of 2019 under Long Lake Shores 32-111-15-01 by Minerick logging.																																												
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>100</td> <td>Sapling</td> <td>1</td> <td>4</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	100	Sapling	1	4																																						
Canopy Species	% Cover	Size Class	DBH	Age																																															
Quaking Aspen	100	Sapling	1	4																																															
23	42210 - Natural Red Pine	Sawtimber Medium	0.7	95	81-110	N/A																																													
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>20</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>70</td> <td>Log/Pole</td> <td>13</td> <td>95</td> </tr> <tr> <td>Northern White Cedar</td> <td>3</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>3</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>4</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	20	Log/Pole	13		Red Pine	70	Log/Pole	13	95	Northern White Cedar	3	Pole	7		Balsam Fir	3	Pole	7		Black Spruce	4	Pole	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>High</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>Medium</td> <td>>20 feet</td> <td>Pole</td> </tr> <tr> <td>Black Spruce</td> <td>Medium</td> <td>>20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	>20 feet	Sapling	Northern White Cedar	Medium	>20 feet	Pole	Black Spruce	Medium	>20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																															
White Pine	20	Log/Pole	13																																																
Red Pine	70	Log/Pole	13	95																																															
Northern White Cedar	3	Pole	7																																																
Balsam Fir	3	Pole	7																																																
Black Spruce	4	Pole	7																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
Balsam Fir	High	>20 feet	Sapling																																																
Northern White Cedar	Medium	>20 feet	Pole																																																
Black Spruce	Medium	>20 feet	Sapling																																																
24	42210 - Natural Red Pine	Sawtimber Well	16.8	75	81-110	N/A	Cut in the fall of 2019 under Long Lake Shores 32-111-15-01 by Minerick logging.																																												
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>28</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>70</td> <td>Log/Pole</td> <td>13</td> <td>75</td> </tr> <tr> <td>Paper Birch</td> <td>2</td> <td>Pole</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	28	Log/Pole	13		Red Pine	70	Log/Pole	13	75	Paper Birch	2	Pole	9		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>High</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	High	>20 feet	Sapling	Black Spruce	Low	>20 feet	Sapling	Northern White Cedar	Low	>20 feet	Sapling										
Canopy Species	% Cover	Size Class	DBH	Age																																															
White Pine	28	Log/Pole	13																																																
Red Pine	70	Log/Pole	13	75																																															
Paper Birch	2	Pole	9																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
Balsam Fir	High	>20 feet	Sapling																																																
Black Spruce	Low	>20 feet	Sapling																																																
Northern White Cedar	Low	>20 feet	Sapling																																																
25	4133 - Aspen, Mixed Pine	Sapling Medium	35.9	4	Immature	N/A	Cut in the fall of 2019 under Long Lake Shores 32-111-15-01 by Minerick logging.																																												
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>10</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>65</td> <td>Sapling</td> <td>1</td> <td>4</td> </tr> <tr> <td>Red Pine</td> <td>20</td> <td>Log/Pole</td> <td>16</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>XLog/Log</td> <td>18</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Sapling	1		Quaking Aspen	65	Sapling	1	4	Red Pine	20	Log/Pole	16		White Pine	5	XLog/Log	18																								
Canopy Species	% Cover	Size Class	DBH	Age																																															
Red Maple	10	Sapling	1																																																
Quaking Aspen	65	Sapling	1	4																																															
Red Pine	20	Log/Pole	16																																																
White Pine	5	XLog/Log	18																																																
27	6224 - Treed Bog	Nonstocked	1.3		Unspecified	No																																													
		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>Medium</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Tamarack</td> <td>Medium</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td></td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	Medium		Sapling	Tamarack	Medium		Sapling	Jack Pine	Low		Sapling																																
Sub-Canopy Species	Density	Avg. Height	Size																																																
Black Spruce	Medium		Sapling																																																
Tamarack	Medium		Sapling																																																
Jack Pine	Low		Sapling																																																
28	4130 - Aspen	Sapling Well	2.2	4	Immature	N/A	Cut in the fall of 2019 under Long Lake Shores 32-111-15-01 by Minerick logging.																																												
		<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Quaking Aspen</td> <td>100</td> <td>Sapling</td> <td>1</td> <td>4</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Quaking Aspen	100	Sapling	1	4																																						
Canopy Species	% Cover	Size Class	DBH	Age																																															
Quaking Aspen	100	Sapling	1	4																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
29	6122 - Black Spruce	Poletimber Medium	1.7	97	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Northern White Cedar		25	Pole/Sapling	6		Tag Alder	
Black Spruce		65	Pole/Sapling	6	97	Black Spruce	
Jack Pine		2	Pole	6		Balsam Fir	
Balsam Fir		3	Sapling/Pole	4			
Paper Birch		5	Pole/Sapling	6			
						Density	Avg. Height
							Size
30	42330 - Upland Fir	Poletimber Well	12.7	46	1-50	N/A	Harvested from 1975 to 1980: TS# 22/74.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		5	Pole	6		Red Maple	
Bigtooth Aspen		3	Pole	8		Quaking Aspen	
Balsam Fir		65	Pole/Sapling	6	46	Hazelnut (Beaked)	
Red Pine		5	Pole	7		Balsam Fir	
Paper Birch		5	Pole	6			
Red Maple		15	Pole/Sapling	6			
Red Oak		2	Pole	8			
						Density	Avg. Height
							Size
31	42120 - Planted Jack Pine	Sapling Well	3.6	31	1-50	N/A	Harvested in 1989: TS# 7-85. Planted in 1992.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		90	Sapling/Pole	4	31	Balsam Fir	
Red Oak		3	Pole	6		Red Pine	
Paper Birch		2	Pole	5		Jack Pine	
Red Pine		3	Pole/Log	9		Red Oak	
White Pine		2	Pole/Log	10		Red Maple	
						Density	Avg. Height
							Size
32	622 - Lowland Shrub	Nonstocked	3.7		Unspecified	No	Stand consists of the abandoned ELF cleared right of way in the swampy portions of Sec 25. A little high ground near W1/4 corner of Sec 25, but it doesn't extend very far eastward.
33	4130 - Aspen	Poletimber Well	1.7	47	1-50	N/A	Harvested in 1976: TS# 22/74.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		2	Log/Pole	12		Red Pine	
Quaking Aspen		75	Pole/Sapling	5	47	Serviceberry (Juneberry)	
Balsam Fir		13	Pole/Sapling	5		Balsam Fir	
Bigtooth Aspen		10	Pole/Sapling	5		Red Maple	
						Black Spruce	
						Density	Avg. Height
							Size



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
34	42290 - Natural Mixed Pine	Sawtimber Well	4.7	88	81-110	N/A	Long Lake buffer.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		8	Pole	6		Balsam Fir	
Northern White Cedar		7	Pole	7		Black Spruce	
Red Pine		55	Log/Pole	13	88	Red Maple	
Jack Pine		5	Pole	9			
Red Maple		5	Pole	7			
Paper Birch		10	Pole	8			
Balsam Fir		5	Pole	7			
White Pine		5	Log/Pole	12			
						Density	Avg. Height
							Size
35	6122 - Black Spruce	Poletimber Medium	11.1	97	1-50	N/A	Margionally productive.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		92	Pole/Sapling	5	97	Black Spruce	
Tamarack		8	Pole/Sapling	5		Tamarack	
						Density	Avg. Height
							Size
36	6120 - Lowland Cedar	Poletimber Well	2.8	80	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black Spruce		5	Pole/Sapling	6		Tag Alder	
Balsam Fir		3	Pole	5		Black Spruce	
Tamarack		25	Pole	7		Balsam Fir	
Northern White Cedar		65	Pole/Sapling	5	80		
White Pine		2	Pole/Sapling	9			
						Density	Avg. Height
							Size
37	4130 - Aspen	Sapling Well	5.5	4	Immature	N/A	Cut in the fall of 2019 under Long Lake Shores 32-111-15-01 by Minerick logging.
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		75	Sapling	1	4		
Red Maple		25	Sapling	1			
38	4139 - Aspen, Mixed Deciduous	Sapling Medium	11.8	4	Immature	N/A	Cut in the fall of 2019 under Long Lake Shores 32-111-15-01 by Minerick logging.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		35	Sapling	1			
White Pine		5	Log/Pole	14			
Paper Birch		5	Log/Pole	10			
Quaking Aspen		50	Sapling	1	4		
Red Pine		5	Log/Pole	12			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
39	4311 - Pine, Aspen Mix	Sapling Well	4.7	15	1-50	N/A	Partially cut in 2008: TS# 108-05-01. Trenched and direct seeded in 2010.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Paper Birch</td><td>5</td><td>Pole</td><td>8</td><td></td></tr> <tr><td>Black Spruce</td><td>2</td><td>Pole</td><td>7</td><td></td></tr> <tr><td>Quaking Aspen</td><td>35</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>Red Pine</td><td>3</td><td>Log/Pole</td><td>13</td><td></td></tr> <tr><td>Jack Pine</td><td>40</td><td>Sapling</td><td>1</td><td>15</td></tr> <tr><td>Red Maple</td><td>8</td><td>Pole</td><td>7</td><td></td></tr> <tr><td>Balsam Fir</td><td>5</td><td>Pole/Sapling</td><td>5</td><td>15</td></tr> <tr><td>White Pine</td><td>2</td><td>Log/Pole</td><td>12</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	5	Pole	8		Black Spruce	2	Pole	7		Quaking Aspen	35	Sapling	1		Red Pine	3	Log/Pole	13		Jack Pine	40	Sapling	1	15	Red Maple	8	Pole	7		Balsam Fir	5	Pole/Sapling	5	15	White Pine	2	Log/Pole	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>Balsam Fir</td><td>Medium</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Hazelnut (Beaked)</td><td>Low</td><td>< 5 feet</td><td>Tall Shrub</td></tr> <tr><td>Quaking Aspen</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	5 - 10 feet	Sapling	Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub	Quaking Aspen	Low	5 - 10 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Paper Birch	5	Pole	8																																																													
Black Spruce	2	Pole	7																																																													
Quaking Aspen	35	Sapling	1																																																													
Red Pine	3	Log/Pole	13																																																													
Jack Pine	40	Sapling	1	15																																																												
Red Maple	8	Pole	7																																																													
Balsam Fir	5	Pole/Sapling	5	15																																																												
White Pine	2	Log/Pole	12																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Balsam Fir	Medium	5 - 10 feet	Sapling																																																													
Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub																																																													
Quaking Aspen	Low	5 - 10 feet	Sapling																																																													
40	42220 - Natural Jack Pine	Poletimber Well	12.0	53	81-110	N/A	Scarified and broadcast seeded in 1970.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Red Pine</td><td>10</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Jack Pine</td><td>87</td><td>Pole</td><td>8</td><td>53</td></tr> <tr><td>Quaking Aspen</td><td>3</td><td>Pole/Sapling</td><td>6</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	10	Log/Pole	12		Jack Pine	87	Pole	8	53	Quaking Aspen	3	Pole/Sapling	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>Jack Pine</td><td>Low</td><td>>20 feet</td><td>Sapling</td></tr> <tr><td>Red Pine</td><td>Low</td><td>10 - 20 feet</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	>20 feet	Sapling	Red Pine	Low	10 - 20 feet	Sapling	Balsam Fir	Low	5 - 10 feet	Sapling																									
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Red Pine	10	Log/Pole	12																																																													
Jack Pine	87	Pole	8	53																																																												
Quaking Aspen	3	Pole/Sapling	6																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Jack Pine	Low	>20 feet	Sapling																																																													
Red Pine	Low	10 - 20 feet	Sapling																																																													
Balsam Fir	Low	5 - 10 feet	Sapling																																																													
41	429 - Mixed Upland Conifers	Sapling Medium	16.3	33	Immature	N/A	Harvested in 1990: TS# 5-85.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Balsam Fir</td><td>20</td><td>Sapling/Pole</td><td>4</td><td></td></tr> <tr><td>Black Spruce</td><td>5</td><td>Sapling/Pole</td><td>4</td><td></td></tr> <tr><td>Jack Pine</td><td>35</td><td>Sapling/Pole</td><td>4</td><td></td></tr> <tr><td>Quaking Aspen</td><td>40</td><td>Sapling/Pole</td><td>4</td><td>33</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	20	Sapling/Pole	4		Black Spruce	5	Sapling/Pole	4		Jack Pine	35	Sapling/Pole	4		Quaking Aspen	40	Sapling/Pole	4	33	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>Balsam Fir</td><td>Medium</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Choke Cherry</td><td>Low</td><td>5 - 10 feet</td><td>Tall Shrub</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	5 - 10 feet	Sapling	Choke Cherry	Low	5 - 10 feet	Tall Shrub																								
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Balsam Fir	20	Sapling/Pole	4																																																													
Black Spruce	5	Sapling/Pole	4																																																													
Jack Pine	35	Sapling/Pole	4																																																													
Quaking Aspen	40	Sapling/Pole	4	33																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Balsam Fir	Medium	5 - 10 feet	Sapling																																																													
Choke Cherry	Low	5 - 10 feet	Tall Shrub																																																													
42	429 - Mixed Upland Conifers	Sapling Medium	19.3	33	Immature	N/A	Harvested in 1990: TS# 5-85.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Black Spruce</td><td>5</td><td>Sapling/Pole</td><td>4</td><td></td></tr> <tr><td>Red Maple</td><td>10</td><td>Sapling/Pole</td><td>4</td><td></td></tr> <tr><td>Quaking Aspen</td><td>25</td><td>Sapling/Pole</td><td>4</td><td></td></tr> <tr><td>Jack Pine</td><td>25</td><td>Sapling/Pole</td><td>4</td><td></td></tr> <tr><td>Balsam Fir</td><td>30</td><td>Sapling/Pole</td><td>4</td><td>33</td></tr> <tr><td>Red Pine</td><td>5</td><td>Sapling/Pole</td><td>5</td><td></td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Black Spruce	5	Sapling/Pole	4		Red Maple	10	Sapling/Pole	4		Quaking Aspen	25	Sapling/Pole	4		Jack Pine	25	Sapling/Pole	4		Balsam Fir	30	Sapling/Pole	4	33	Red Pine	5	Sapling/Pole	5		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr><td>Choke Cherry</td><td>Low</td><td>5 - 10 feet</td><td>Tall Shrub</td></tr> <tr><td>White Pine</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Balsam Fir</td><td>Medium</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Jack Pine</td><td>Low</td><td>5 - 10 feet</td><td>Sapling</td></tr> <tr><td>Black Spruce</td><td>Medium</td><td>5 - 10 feet</td><td>Sapling</td></tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Choke Cherry	Low	5 - 10 feet	Tall Shrub	White Pine	Low	5 - 10 feet	Sapling	Balsam Fir	Medium	5 - 10 feet	Sapling	Jack Pine	Low	5 - 10 feet	Sapling	Black Spruce	Medium	5 - 10 feet	Sapling		
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Black Spruce	5	Sapling/Pole	4																																																													
Red Maple	10	Sapling/Pole	4																																																													
Quaking Aspen	25	Sapling/Pole	4																																																													
Jack Pine	25	Sapling/Pole	4																																																													
Balsam Fir	30	Sapling/Pole	4	33																																																												
Red Pine	5	Sapling/Pole	5																																																													
Sub-Canopy Species	Density	Avg. Height	Size																																																													
Choke Cherry	Low	5 - 10 feet	Tall Shrub																																																													
White Pine	Low	5 - 10 feet	Sapling																																																													
Balsam Fir	Medium	5 - 10 feet	Sapling																																																													
Jack Pine	Low	5 - 10 feet	Sapling																																																													
Black Spruce	Medium	5 - 10 feet	Sapling																																																													
43	4139 - Aspen, Mixed Deciduous	Sapling Medium	18.2	4	Immature	N/A	Cut in the fall of 2019 under Long Lake Shores 32-111-15-01 by Minerick logging.																																																									
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr><td>Red Pine</td><td>5</td><td>Log/Pole</td><td>14</td><td></td></tr> <tr><td>White Pine</td><td>4</td><td>Log/Pole</td><td>16</td><td></td></tr> <tr><td>Jack Pine</td><td>5</td><td>Sapling</td><td>1</td><td></td></tr> <tr><td>Quaking Aspen</td><td>40</td><td>Sapling</td><td>1</td><td>4</td></tr> <tr><td>Red Oak</td><td>6</td><td>Log/Pole</td><td>12</td><td></td></tr> <tr><td>Red Maple</td><td>40</td><td>Sapling</td><td>1</td><td>4</td></tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	5	Log/Pole	14		White Pine	4	Log/Pole	16		Jack Pine	5	Sapling	1		Quaking Aspen	40	Sapling	1	4	Red Oak	6	Log/Pole	12		Red Maple	40	Sapling	1	4																												
Canopy Species	% Cover	Size Class	DBH	Age																																																												
Red Pine	5	Log/Pole	14																																																													
White Pine	4	Log/Pole	16																																																													
Jack Pine	5	Sapling	1																																																													
Quaking Aspen	40	Sapling	1	4																																																												
Red Oak	6	Log/Pole	12																																																													
Red Maple	40	Sapling	1	4																																																												



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

45 122 - Road/Parking Lot Nonstocked 1.3 0 Unspecified No Harvested in 2006: TS#109-05-01.

47 4133 - Aspen, Mixed Pine Sapling Well 2.5 18 1-50 N/A Harvested by partial cutting in 2006: TS# 109-05-01.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	13	Sapling	2	18	Red Pine	Low	5 - 10 feet	Sapling
Red Pine	10	Log/Pole	12	95	Red Oak	Low	< 5 feet	Sapling
Bigtooth Aspen	65	Sapling	2	18	Bigtooth Aspen	High	5 - 10 feet	Sapling
White Pine	2	Pole/Log	10		White Pine	Low	< 5 feet	Sapling
Red Oak	10	Log/Pole	12		Red Maple	Medium	5 - 10 feet	Sapling

48 42210 - Natural Red Pine Sawtimber Poor 2.0 75 81-110 N/A Harvested in 2006: TS#109-05-01.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	85	Log/Pole	11	75	Jack Pine	Medium	10 - 20 feet	Sapling
Red Oak	2	Log/Pole	11		White Pine	Low	5 - 10 feet	Sapling
White Pine	10	Pole/Log	9		Red Pine	Low	10 - 20 feet	Sapling
Paper Birch	3	Pole	8		Red Oak	Low	5 - 10 feet	Sapling
					Red Maple	Low	5 - 10 feet	Sapling

49 3302 - Low Density Conifer Trees Nonstocked 1.9 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low		Sapling
Jack Pine	Low		Sapling

50 42290 - Natural Mixed Pine Poletimber Medium 12.1 34 1-50 N/A Harvested in 1989: TS# 7-85. Two storied stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	15	Pole/Log	9		Serviceberry (Juneberry)	Low	10 - 20 feet	Tall Shrub
Red Oak	15	Pole/Log	9		Jack Pine	Medium	10 - 20 feet	Sapling
Paper Birch	2	Pole	6		Red Oak	Low	10 - 20 feet	Sapling
Bigtooth Aspen	2	Pole	7		Red Pine	Low	5 - 10 feet	Sapling
Jack Pine	51	Pole/Sapling	6	34	Red Maple	Medium	10 - 20 feet	Sapling
Red Maple	5	Pole/Sapling	6					
White Pine	10	Pole/Log	9					

51 42120 - Planted Jack Pine Sapling Well 21.0 31 1-50 N/A Harvested in 1989: TS# 7-85. Planted in 1992.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	3	Pole	6		Red Pine	Low	5 - 10 feet	Sapling
Paper Birch	2	Pole	5		Red Oak	Low	5 - 10 feet	Sapling
Red Pine	3	Pole/Log	9		Balsam Fir	Low	5 - 10 feet	Sapling
Jack Pine	90	Sapling/Pole	4	31	Jack Pine	Low	10 - 20 feet	Sapling
White Pine	2	Pole/Log	10		Red Maple	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																											
52	3301 - Low Density Deciduous Trees	Nonstocked	3.1		Unspecified	No																												
				<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td></td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td></td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Bigtooth Aspen	Low		Sapling	Jack Pine	Low		Sapling																	
Sub-Canopy Species	Density	Avg. Height	Size																															
Bigtooth Aspen	Low		Sapling																															
Jack Pine	Low		Sapling																															
53	4133 - Aspen, Mixed Pine	Sapling Well	45.2	27	1-50	N/A	Harvested by partial cutting in 1996: TS# 7-95. Two storied stand.																											
				<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Oak</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>High</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	Sapling	Quaking Aspen	Low	10 - 20 feet	Sapling	White Pine	Low	5 - 10 feet	Sapling	Red Pine	Low	10 - 20 feet	Sapling	Red Oak	Low	5 - 10 feet	Sapling	Bigtooth Aspen	High	10 - 20 feet	Sapling	
Sub-Canopy Species	Density	Avg. Height	Size																															
Red Maple	Low	5 - 10 feet	Sapling																															
Quaking Aspen	Low	10 - 20 feet	Sapling																															
White Pine	Low	5 - 10 feet	Sapling																															
Red Pine	Low	10 - 20 feet	Sapling																															
Red Oak	Low	5 - 10 feet	Sapling																															
Bigtooth Aspen	High	10 - 20 feet	Sapling																															
54	42120 - Planted Jack Pine	Poletimber Well	4.0	31	Unspecified	N/A	Harvested in 1989: TS# 7-85. Planted in 1992.																											
				<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Willow spp.</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	5 - 10 feet	Sapling	Willow spp.	Low	< 5 feet	Tall Shrub	Red Maple	Low	5 - 10 feet	Sapling													
Sub-Canopy Species	Density	Avg. Height	Size																															
Jack Pine	Low	5 - 10 feet	Sapling																															
Willow spp.	Low	< 5 feet	Tall Shrub																															
Red Maple	Low	5 - 10 feet	Sapling																															
55	42120 - Planted Jack Pine	Poletimber Well	10.8	49	1-50	N/A	Harvested in 1972: TS# 5-7A. Site was scarified and broadcast seeded in 1974.																											
				<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	10 - 20 feet	Sapling	Jack Pine	Low	10 - 20 feet	Sapling																	
Sub-Canopy Species	Density	Avg. Height	Size																															
Red Pine	Low	10 - 20 feet	Sapling																															
Jack Pine	Low	10 - 20 feet	Sapling																															
56	4130 - Aspen	Poletimber Well	14.4	33	1-50	N/A	Pole sized in the north turning to more sapling size to the south due to site conditions.																											
				<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Hazelnut (Beaked)</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	5 - 10 feet	Sapling	Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub	Red Maple	Medium	10 - 20 feet	Sapling	Balsam Fir	Low	5 - 10 feet	Sapling	White Pine	Low	5 - 10 feet	Sapling					
Sub-Canopy Species	Density	Avg. Height	Size																															
Jack Pine	Low	5 - 10 feet	Sapling																															
Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub																															
Red Maple	Medium	10 - 20 feet	Sapling																															
Balsam Fir	Low	5 - 10 feet	Sapling																															
White Pine	Low	5 - 10 feet	Sapling																															
57	42120 - Planted Jack Pine	Poletimber Well	8.4	31	Unspecified	N/A	Harvested in 1989: TS# 7-85. Planted in 1992.																											
				<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Willow spp.</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Willow spp.	Low	< 5 feet	Tall Shrub																					
Sub-Canopy Species	Density	Avg. Height	Size																															
Willow spp.	Low	< 5 feet	Tall Shrub																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
58	3205 - Mixed Upland Shrub	Nonstocked	3.0		Unspecified	No																																																								
				<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Choke Cherry</td> <td>Low</td> <td></td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Choke Cherry	Low		Tall Shrub																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Choke Cherry	Low		Tall Shrub																																																											
59	42120 - Planted Jack Pine	Sapling Well	5.4	27	Unspecified	N/A	Harvested in 1996: TS# 7-95. Trenched and direct seeded.																																																							
				<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>5</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>93</td> <td>Sapling</td> <td>2</td> <td>27</td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	5	Log/Pole	12		Jack Pine	93	Sapling	2	27	White Pine	2	Log/Pole	11		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Choke Cherry</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Choke Cherry	Low	< 5 feet	Tall Shrub	Jack Pine	Medium	5 - 10 feet	Sapling																							
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Pine	5	Log/Pole	12																																																											
Jack Pine	93	Sapling	2	27																																																										
White Pine	2	Log/Pole	11																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Choke Cherry	Low	< 5 feet	Tall Shrub																																																											
Jack Pine	Medium	5 - 10 feet	Sapling																																																											
60	3205 - Mixed Upland Shrub	Nonstocked	2.8		Unspecified	No																																																								
				<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Choke Cherry</td> <td>Low</td> <td></td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Choke Cherry	Low		Tall Shrub																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Choke Cherry	Low		Tall Shrub																																																											
61	42120 - Planted Jack Pine	Sapling Medium	17.7	18	Unspecified	N/A	Harvested in 2005: TS# 109-05-01. Trenched and seeded with poor results. Followed up with hand planting. 5/23/2014: Site was re-planted on 5/10/2014 with 2-0 jack pine (MI-0313) at a rate of approx. 324 tpa. Brought stocking up to 829 1/22/16: 1st year checks results stocking of 777 T/A 78 % of stand is stocked. FTP 32-646 passed regen check TMS recommends FTP be closed.																																																							
				<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>5</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>70</td> <td>Sapling</td> <td>1</td> <td>18</td> </tr> <tr> <td>Red Pine</td> <td>23</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>White Pine</td> <td>2</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	5	Sapling	1		Jack Pine	70	Sapling	1	18	Red Pine	23	Log/Pole	13		White Pine	2	Log/Pole	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>High</td> <td>< 5 feet</td> <td>Seeding</td> </tr> <tr> <td>Willow spp.</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	High	< 5 feet	Seeding	Willow spp.	Low	< 5 feet	Tall Shrub																		
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Maple	5	Sapling	1																																																											
Jack Pine	70	Sapling	1	18																																																										
Red Pine	23	Log/Pole	13																																																											
White Pine	2	Log/Pole	12																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Jack Pine	High	< 5 feet	Seeding																																																											
Willow spp.	Low	< 5 feet	Tall Shrub																																																											
62	42120 - Planted Jack Pine	Sapling Well	9.1	27	Unspecified	N/A	Harvested in 1996: TS# 7-95. Trenched and direct seeded.																																																							
				<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>6</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>94</td> <td>Sapling</td> <td>2</td> <td>27</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	6	Log/Pole	13		Jack Pine	94	Sapling	2	27	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Choke Cherry</td> <td>Low</td> <td>< 5 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	5 - 10 feet	Sapling	Choke Cherry	Low	< 5 feet	Tall Shrub																												
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Pine	6	Log/Pole	13																																																											
Jack Pine	94	Sapling	2	27																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Jack Pine	Medium	5 - 10 feet	Sapling																																																											
Choke Cherry	Low	< 5 feet	Tall Shrub																																																											
63	42120 - Planted Jack Pine	Poletimber Well	69.8	49	1-50	N/A	Harvested in 1972: TS# 5/71A. Planted in 1974.																																																							
				<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>3</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>90</td> <td>Pole/Sapling</td> <td>5</td> <td>49</td> </tr> <tr> <td>Red Pine</td> <td>5</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>2</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	3	Log/Pole	13		Jack Pine	90	Pole/Sapling	5	49	Red Pine	5	Log/Pole	13		Red Maple	2	Pole	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Serviceberry (Juneberry)</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	10 - 20 feet	Sapling	Red Pine	Low	10 - 20 feet	Sapling	Jack Pine	Low	5 - 10 feet	Sapling	Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub	White Pine	Low	5 - 10 feet	Sapling						
Canopy Species	% Cover	Size Class	DBH	Age																																																										
White Pine	3	Log/Pole	13																																																											
Jack Pine	90	Pole/Sapling	5	49																																																										
Red Pine	5	Log/Pole	13																																																											
Red Maple	2	Pole	7																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Maple	Low	10 - 20 feet	Sapling																																																											
Red Pine	Low	10 - 20 feet	Sapling																																																											
Jack Pine	Low	5 - 10 feet	Sapling																																																											
Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub																																																											
White Pine	Low	5 - 10 feet	Sapling																																																											
64	4133 - Aspen, Mixed Pine	Sapling Well	6.6	18	Unspecified	N/A	Harvested in 2005: TS# 109-05-01.																																																							
				<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>15</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>2</td> <td>Sapling</td> <td>1</td> <td></td> </tr> <tr> <td>White Pine</td> <td>5</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>18</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Oak</td> <td>10</td> <td>Pole/Log/Sap</td> <td>10</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>50</td> <td>Sapling</td> <td>1</td> <td>18</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	15	Sapling	1		Balsam Fir	2	Sapling	1		White Pine	5	Log/Pole	11		Red Pine	18	Log/Pole	12		Red Oak	10	Pole/Log/Sap	10		Bigtooth Aspen	50	Sapling	1	18	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	< 5 feet	Sapling	Balsam Fir	Low	< 5 feet	Sapling	Bigtooth Aspen	Low	< 5 feet	Sapling	White Pine	Low	< 5 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Maple	15	Sapling	1																																																											
Balsam Fir	2	Sapling	1																																																											
White Pine	5	Log/Pole	11																																																											
Red Pine	18	Log/Pole	12																																																											
Red Oak	10	Pole/Log/Sap	10																																																											
Bigtooth Aspen	50	Sapling	1	18																																																										
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Maple	Low	< 5 feet	Sapling																																																											
Balsam Fir	Low	< 5 feet	Sapling																																																											
Bigtooth Aspen	Low	< 5 feet	Sapling																																																											
White Pine	Low	< 5 feet	Sapling																																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
65	42120 - Planted Jack Pine	Sapling Medium	21.1	18	Unspecified	N/A	Harvested in 2005: TS# 110-05-01. Was trenched and seeded which failed. Followed up with hand planting. Passed regen check in 2015 at 737/a.																																														
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Paper Birch</td> <td>2</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>4</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>2</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>92</td> <td>Sapling</td> <td>1</td> <td>18</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Paper Birch	2	Pole	8		Red Pine	4	Log/Pole	13		Black Spruce	2	Sapling/Pole	4		Jack Pine	92	Sapling	1	18	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Cherry</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Choke Cherry</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Black Cherry	Medium	5 - 10 feet	Sapling	Choke Cherry	Low	5 - 10 feet	Tall Shrub													
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Paper Birch	2	Pole	8																																																		
Red Pine	4	Log/Pole	13																																																		
Black Spruce	2	Sapling/Pole	4																																																		
Jack Pine	92	Sapling	1	18																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Black Cherry	Medium	5 - 10 feet	Sapling																																																		
Choke Cherry	Low	5 - 10 feet	Tall Shrub																																																		
66	429 - Mixed Upland Conifers	Sapling Well	16.6	22	Immature	N/A																																															
67	429 - Mixed Upland Conifers	Sapling Well	25.7	22	Immature	N/A																																															
68	413 - Aspen	Sapling Medium	68.1	22	Immature	N/A																																															
70	6120 - Lowland Cedar	Poletimber Well	8.1	103	141-170	N/A																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>80</td> <td>Pole/Sapling</td> <td>7</td> <td>103</td> </tr> <tr> <td>Balsam Poplar</td> <td>2</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>4</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>6</td> <td>Pole</td> <td>7</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>8</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	80	Pole/Sapling	7	103	Balsam Poplar	2	Pole	8		Balsam Fir	4	Pole/Sapling	5		Black Spruce	6	Pole	7		Paper Birch	8	Pole	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Northern White Cedar	Low	10 - 20 feet	Sapling	Tag Alder	Low	5 - 10 feet	Tall Shrub	Balsam Fir	Low	10 - 20 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																																	
Northern White Cedar	80	Pole/Sapling	7	103																																																	
Balsam Poplar	2	Pole	8																																																		
Balsam Fir	4	Pole/Sapling	5																																																		
Black Spruce	6	Pole	7																																																		
Paper Birch	8	Pole	7																																																		
Sub-Canopy Species	Density	Avg. Height	Size																																																		
Northern White Cedar	Low	10 - 20 feet	Sapling																																																		
Tag Alder	Low	5 - 10 feet	Tall Shrub																																																		
Balsam Fir	Low	10 - 20 feet	Sapling																																																		
71	330 - Low-Density Trees	Nonstocked	7.1	0	Unspecified	413 - Aspen	Old Elf line																																														