



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54040

Entry Year 2025

Acreage: 1,385

County Montmorency

Management Area: Presque Isle Lake and Till Plains

Stand Examiner: Daniel Natzke

Legal Description:

T31N, R02E, Sections 5, 6, & 7

Identified Planning Goals:

Planning goals include balancing the age class distribution of aspen, red pine, and jack pine; the continued selective management of northern hardwood stands; balancing timber management, wildlife habitat, and recreational uses.

Soil and topography:

This compartment's topography is generally flat to gently rolling. Steep slopes are uncommon, but they exist near Van Hetton Creek and the Pug Lakes. Uplands are mostly well drained sands that tend to be droughty. The bulk of the compartment is composed of Grayling sand, which is well suited to growing jack pine and red pine. Wetland soils exist in lowland flats, along stream courses and lake shores. These soils consist of muck and peat.

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

The compartment's south and west side adjoin state land with a couple small private holdings. Canada Creek Ranch borders the compartment's north. Another large block of private holdings lies along the east boundary.

Unique Natural Features:

The compartment may contain species and communities of ecological concern.

Archeological, Historical, and Cultural Features:

There are no archeological, historical, or cultural features known.

Special Management Designations or Considerations:

Aesthetics are a consideration along County Road 622 and the High Country Pathway.

Watershed and Fisheries Considerations:

Van Hetton Creek flows through the compartment. Maintain a setback against the stream to limit damage from beavers.

Wildlife Habitat Considerations:

This is a compartment that receives use by elk, white-tailed deer, wild turkey, as well as other wildlife species. It is in the core elk range and receives heavy elk use at certain times of year. It is adjacent to large private landownerships with significant interest in deer and elk. Openings present should be maintained to provide seasonal wildlife habitat and viewing opportunities. Conifer stands should be managed for a mixed conifer/deciduous component to provide both food and cover sources for wildlife.

Mineral Resource and Development Concerns and/or Restrictions

No active sand/gravel pits are known to exist in the area. Potential exists for sand & gravel within the compartment, but it might be too far from populated areas (markets) to have much economic potential beyond use by the county road commission or DNR for local road maintenance. In addition, any sand & gravel development would need to avoid oil & gas facilities. This area has been developed for and is producing gas from the Antrim Shale. All State-owned mineral rights in the compartment are currently leased and held by production. Due to the persistent low price of natural gas, there is unlikely to be any additional Antrim development in the area in the near future. The Antrim Shale play is generally in decline, and there is an increasing trend toward plugging wells. No known potential exists for oil & gas from other known producing formations. There is no known metallic mineral potential in this part of the state. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Vehicle access via forest roads is good.

Survey Needs:

The compartment is well monumented with the possible exception section 7 west north-south line of E1/2 of SWNW.

Recreational Facilities and Opportunities:

The High Country Trail is located within section 5, crossing the Van Hetton Creek and a bog near the Pug Lakes. Camping sites are located at Doty Dam and around Doty Lake. The Pug Lakes also receive camping pressure in a few locations.

Fire Protection:

The Atlanta DNR taskforce and Tri-Township Fire Department are the most likely to respond to fire in the area.

Additional Compartment Information:

The following reports from the Inventory are attached:

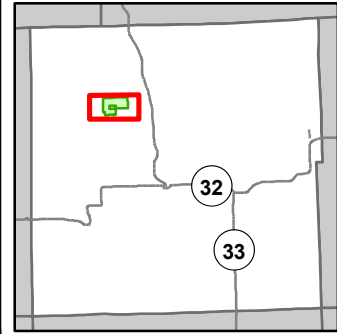
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

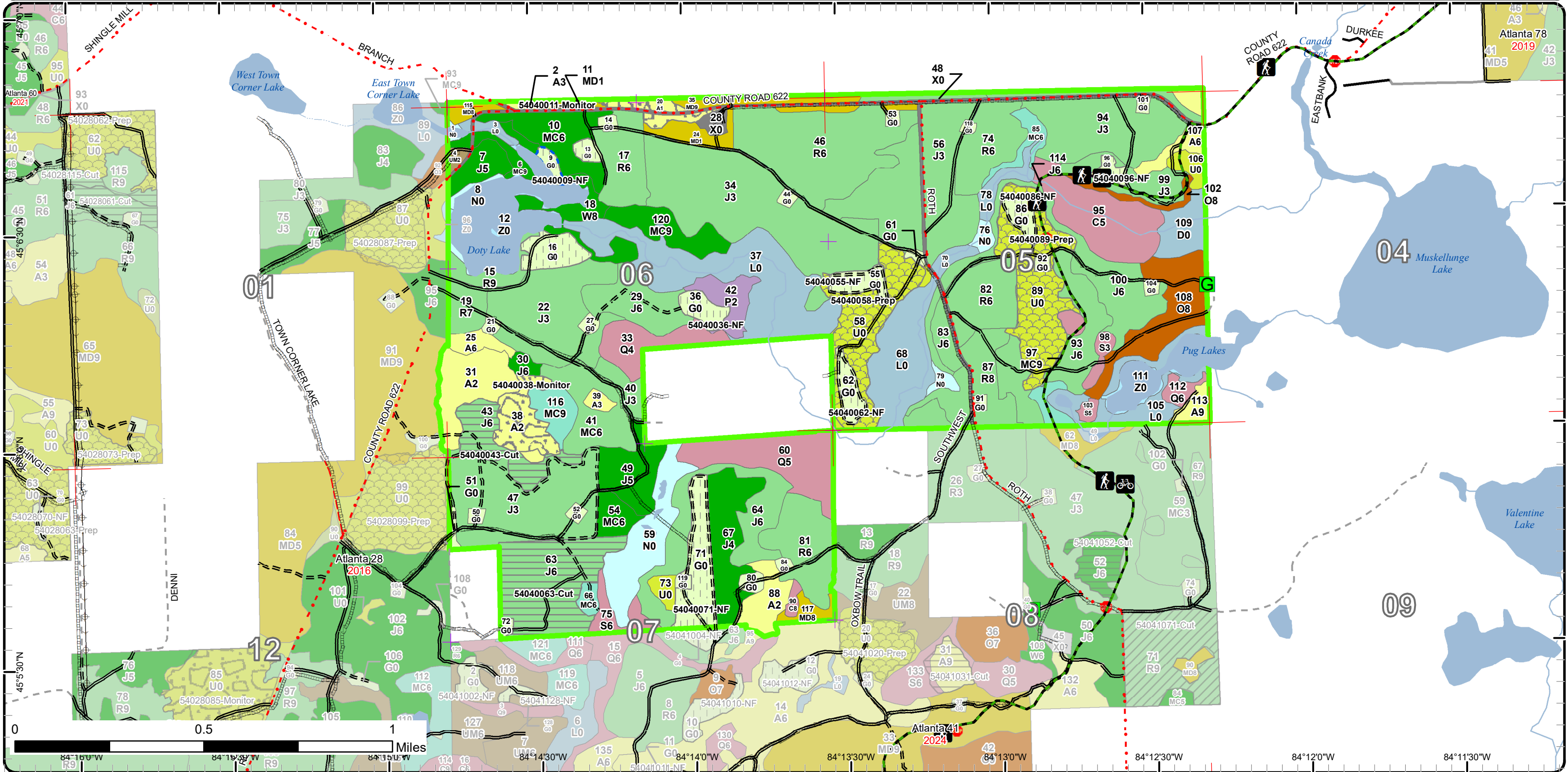
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

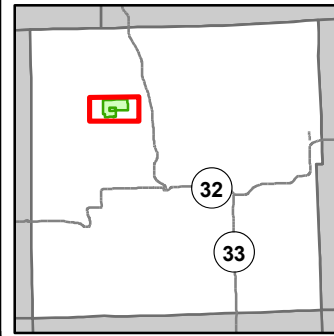
Compartment: 40
 T31N, R02E, Sec: 05-07
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Presque Isle Lake and Till Plains
 YOE: 2025
 Acres: 1385.2 GIS Calculated
 Examiner: Daniel Natzke
 Map Revised: 6/12/2023
 Map Phase: Review



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|---|-----------------------------------|-----------------------------------|----------------------------------|
| — Miris Corners | — Designated Hiking Trails | □ Opening Maintenance | ■ 622 - Lowland Shrub |
| ⊕ Remonumented Section Corners | — Designated Bicycle Trails | □ Site Prep | ■ 623 - Emergent Wetland |
| - - - Counties | — Designated Multi-Use Trails | ■ 412 - Oak Types | ■ 413 - Aspen |
| — DNR - Secondary Forest Road | ⊕ Gate | ■ 419 - Mixed Upland Deciduous | ■ 421 - Planted Pines |
| — DNR - Forest Access Route | ⊕ Sign | ■ 422 - Natural Pines | ■ 429 - Mixed Upland Conifers |
| — Federal / State / County - Paved Road | — Intermittent Stream | ■ 430 - Upland Mixed Forest | ■ 611 - Lowland Deciduous Forest |
| — County - Gravel Road | — Lake/Pond | ■ 612 - Lowland Coniferous Forest | ■ 122 - Roads/Parking Lot |
| — County - Dirt Road (Seasonal) | — Perennial River | ■ 310 - Herbaceous Openland | ■ 330 - Low Density Trees |
| — Private - Paved Road | — Lakes and Rivers | ■ 500 - Water | |
| — Private - Dirt / Gravel Road | — Pipeline | | |
| ⊕ Hiking Trails | ⊕ Powerline | | |
| ⊕ Bike Trails | □ Compartment Boundary | | |
| ⊕ Ski Trails | □ Treatments with Site Conditions | | |
| | □ Clearcut (w/Reserves) | | |
| | □ Regeneration Survey | | |

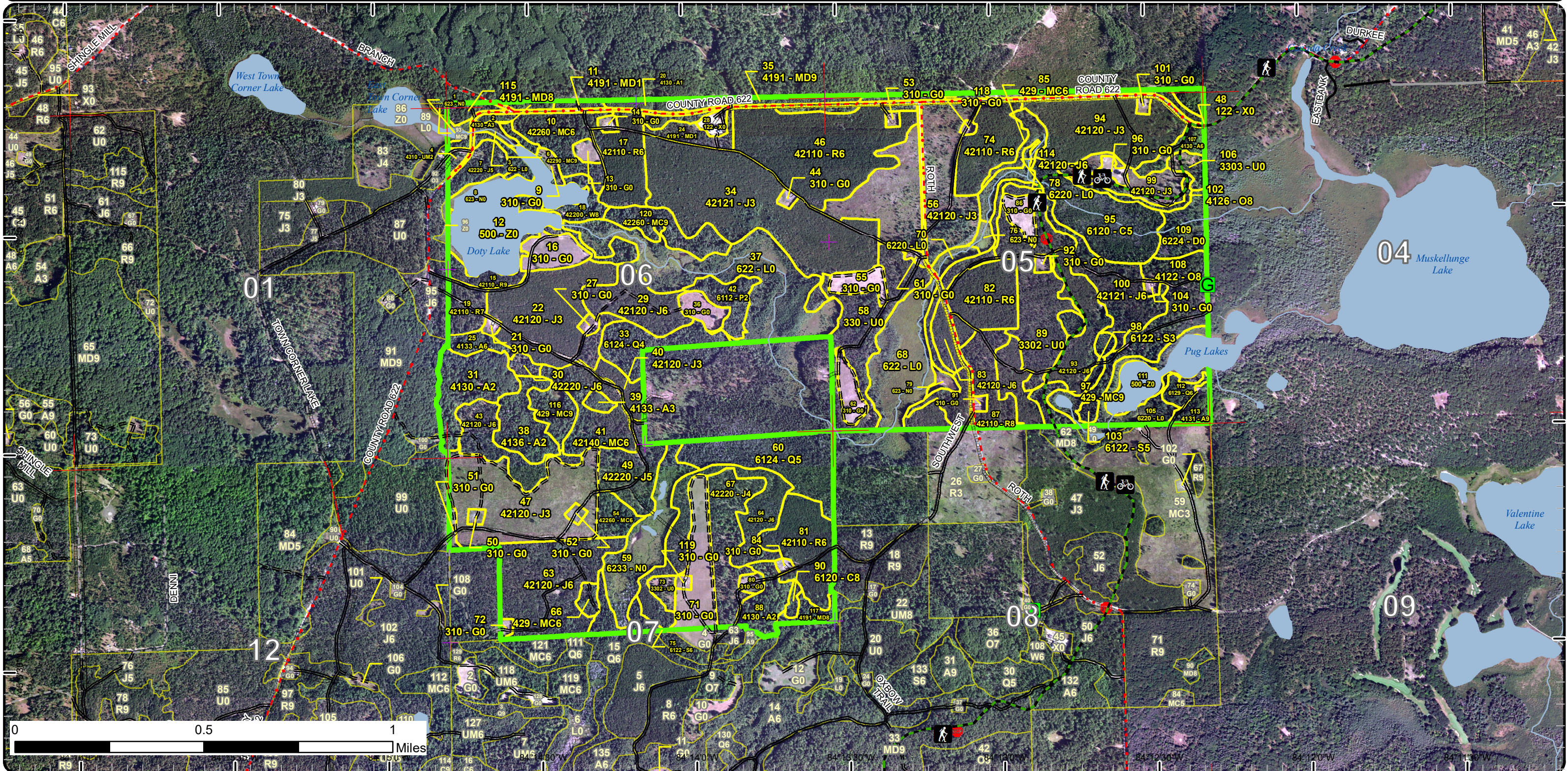


Stand Boundary Map



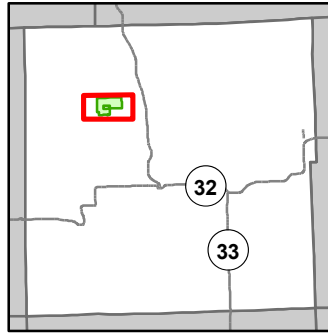
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 T31N, R02E, Sec: 05-07
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|--|--|--|
| <ul style="list-style-type: none"> — Miris Corners + Remonumented Section Corners Counties DNR - Secondary Forest Road DNR - Forest Access Route Federal / State / County - Paved Road County - Gravel Road County - Dirt Road (Seasonal) Private - Paved Road Private - Dirt / Gravel Road Hiking Trails Bike Trails Ski Trails | <ul style="list-style-type: none"> Designated Hiking Trails Designated Bicycle Trails Designated Multi-Use Trails G Gate Sign Intermittent Stream Lake/Pond Perennial River Lakes and Rivers Pipeline Powerline Compartment Boundary Stand Boundaries 412 - Oak Types 413 - Aspen | <ul style="list-style-type: none"> 419 - Mixed Upland Deciduous 421 - Planted Pines 422 - Natural Pines 429 - Mixed Upland Conifers 430 - Upland Mixed Forest 611 - Lowland Deciduous Forest 612 - Lowland Coniferous Forest 122 - Roads/Parking Lot 310 - Herbaceous Openland 330 - Low Density Trees 500 - Water 622 - Lowland Shrub 623 - Emergent Wetland |
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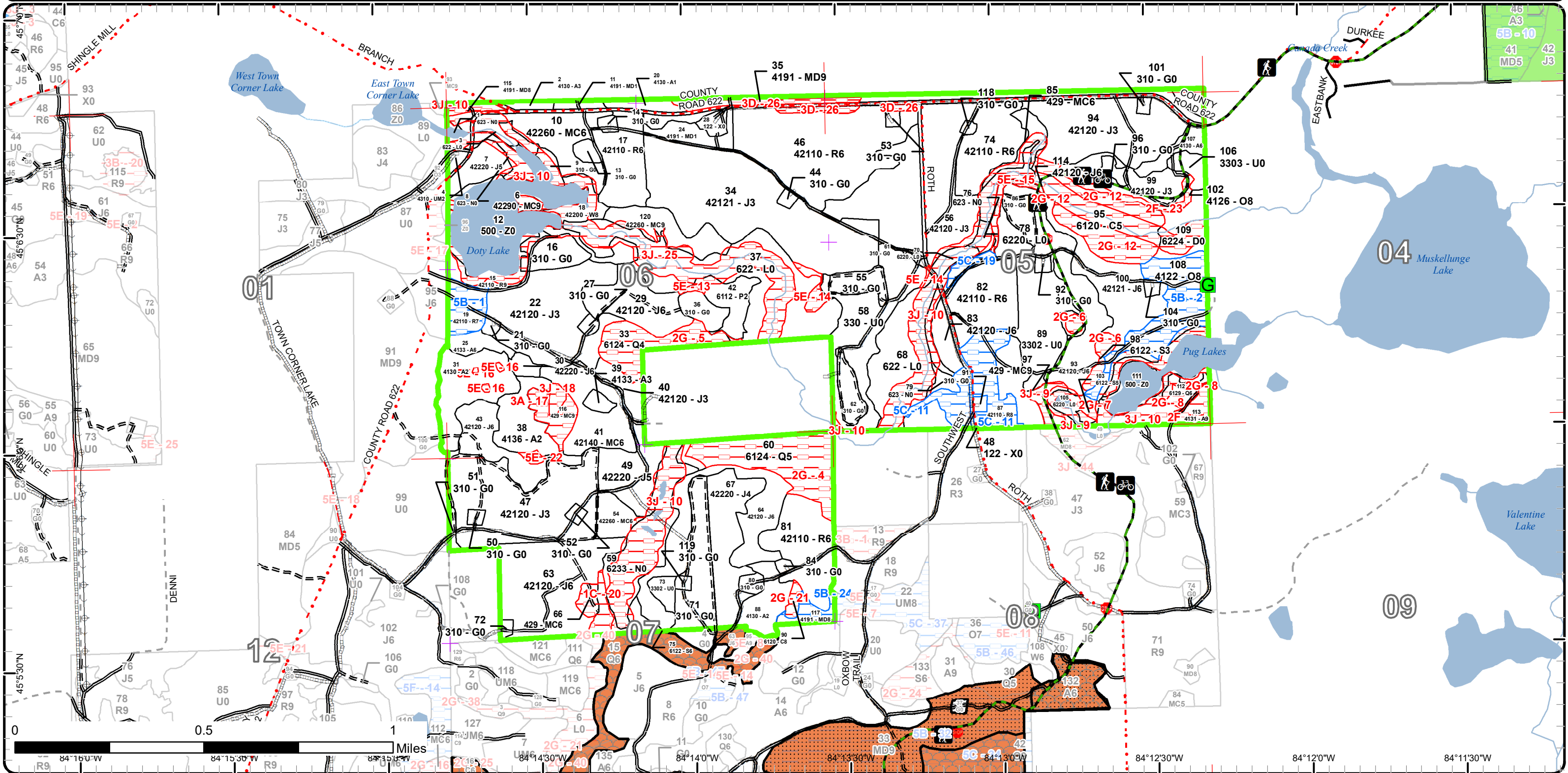


Special Conservation Areas

Compartment: 40
 T31N, R02E, Sec: 05-07
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Presque Isle Lake and Till Plains
 YOE: 2025
 Acres: 1385.2 GIS Calculated
 Examiner: Daniel Natzke
 Map Revised: 6/12/2023
 Map Phase: Review



- Miris Corners
- + Remonumented Section 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
- 🚶 Hiking Trails
- 🚴 Bike Trails
- 🏂 Ski Trails
- Designated Hiking Trails
- - - Designated Bicycle Trails
- Designated Multi-Use Trails
- 🚪 Gate
- 🛑 Sign
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Pipeline
- ⚡ Powerline
- 🟩 Compartment Boundary
- 🟦 Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 1C: Other dept or div proc/practices
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 3D: Recreational / Scenic values
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- 🏠 SCA Removal
- 🟩 Kirtland Warbler Habitat
- Cold Water Streams
- Cold Water Lakes
- 🟠 Other Habitat Area



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	54	0	0	15	0	0	5	0	0	0	0	0	0	0	0	0	0	74
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	2	30	0	0	0	0	32
Herbaceous Openland	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77
Jack Pine	0	0	123	157	64	59	106	0	0	0	0	0	0	0	0	0	0	0	508
Low-Density Trees	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	72
Lowland Aspen/Balsam Poplar	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Conifers	0	0	0	0	0	0	29	0	0	16	4	0	0	0	0	0	0	0	49
Lowland Shrub	114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114
Lowland Spruce/Fir	0	0	0	0	0	0	0	13	2	0	0	0	0	0	0	0	0	0	15
Marsh	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Mixed Upland Deciduous	0	9	0	0	0	0	0	0	4	0	13	0	0	0	0	0	0	0	26
Natural Mixed Pines	0	0	0	0	0	0	25	13	0	5	0	0	0	0	0	0	0	0	43
Oak	0	0	0	0	0	0	0	0	0	0	4	0	26	0	0	0	0	0	30
Planted Mixed Pines	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Red Pine	0	0	0	0	0	94	0	37	0	36	0	0	0	0	0	0	0	0	166
Treed Bog	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Upland Conifers	0	0	0	0	0	0	0	18	0	3	0	0	0	0	0	0	0	0	21
Upland Mixed Forest	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Urban	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Water	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
White Pine	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	14
Total	378	72	125	157	99	153	160	86	6	60	35	0	28	30	0	0	0	0	1387



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 40

Year of Entry: 2025

Acres of Harvest

Total Compartment Acres: 1,385

Commercial Harvest - 56
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

		Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Jack Pine		56	0	0	0	0	0	0	0	0	56
	Total	56	0	0	0	0	0	0	0	0	56

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		56	62	0	0	0	21	0	56		195
Next Step		0	37	64	0	0	62	245	0	0	407
	Total	56	99	64	0	0	62	266	0	56	602



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

9	54040009-NF	2.4	310 - Herbaceous Openland	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> Follow wetland buffer guidelines</p> <p><u>Site Condition</u> BMPs</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
13	54040013-NF	2.3	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
16	54040016-NF	8.9	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p>Follow wetland buffer guidelines.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
36 54040036-NF	5.3	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
43 54040043-Cut	15.4	42120 - Planted Jack Pine	Poetimber Well	58	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Clear cut with 3-10% retention representative of the stand. Tree length skid during unfrozen and snow-free conditions across the entire stand.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any combination of jack pine, red pine, white pine, balsam fir, aspen, maple and oak of at least poor stocking.</p> <p><u>Other Comment:</u> MNFI hit for ram's head lady slipper for the entire area. Best period to survey is third week of May-third week of June. https://mnfi.anr.msu.edu/species/description/15506/Cypripedium-arietinum https://mnfi.anr.msu.edu/abstracts/botany/Cypripedium_arietinum.pdf Emailed Keith Kintigh April 4, 2023 about any harvest modifications that need to take place.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
55 54040055-NF	5.9	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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62	54040062-NF	5.8	310 - Herbaceous Openland	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.

Follow wetland buffer guidelines.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

63	54040063-Cut	40.2	42120 - Planted Jack Pine	Poletimber Well	58	51-80	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Specs: Clear cut with 3-10% retention representative of the stand. Tree length skid during unfrozen and snow-free conditions across the entire stand.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any combination of jack pine, red pine, white pine, balsam fir, aspen, maple and oak of at least poor stocking.

Other Comment: MNFI hit for ram's head lady slipper for the entire area. Best period to survey is third week of May-third week of June.

Eastern Massasauga Rattlesnake management area overlaps a bit of the north eastern part of the stand
<https://mnfi.anr.msu.edu/species/description/15506/Cypripedium-arietinum>

https://mnfi.anr.msu.edu/abstracts/botany/Cypripedium_arietinum.pdf

Emailed Keith Kintigh April 4, 2023 about any harvest modifications that need to take place.

Might need a survey request. There's a solid corner in the NW but nothing found in SW during the winter.

Site Condition

Proposed Start Date: 10/1 /2024

71	54040071-NF	17.9	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland	No
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Prescription Specs: Opening may be maintained on an ongoing rotational basis to produce wildlife forage and maintain its open character, through burning, mowing, mulching, planting, herbicide, or other agriculture practices.

Follow EMR guidelines and policies.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
86 54040086-NF	5.1	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
96 54040096-NF	2.6	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening may be maintained on an ongoing rotational basis to produce wildlife forage through burning, mowing, planting, herbicide, or other agriculture practices.</p> <p>Follow guidelines for buffers along trail systems.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

Approved Treatments:

11 54040011-Monitor	1.5	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	5	Immature	Monitoring	Natural Regen (Re-Inventory)	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Look for trees sufficient to meet the acceptable regeneration statement.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Planting, Replant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); SitePrep, Trenching</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -regen survey 3-5 years -jp, oak, and aspen of medium to high stocking</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2027</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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20	54040020-Monitor	6.1	4130 - Aspen	Sapling Poor	5	Immature	Monitoring	Natural Regen (Re-Inventory)	4131 - Aspen, Oak	Even-Aged	No
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Prescription Look for trees sufficient to meet the acceptable regeneration statement.

Specs:

Next Step

Treatments:

Acceptable Regen: -regen survey 3-5 years -aspen, oak, and pine of medium to high stocking

Other

Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2027

38	54040038-Monitor	13.7	4136 - Aspen, Mixed Conifer	Sapling Medium	5	Immature	Monitoring	Natural Regen (Re-Inventory)	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
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Prescription Look for trees sufficient to meet the acceptable regeneration statement

Specs:

Next Step

Treatments:

Acceptable Regen: -regen survey 3-5 years -aspen, oak, rm, and pine of medium to high stocking

Other

Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2027

58	54040058-Prep	27.1	330 - Low-Density Trees	Nonstocked	0	Unspecified	SitePrep	Trenching	42110 - Planted Red Pine	Even-Aged	No
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Prescription Trench for the planting of red pine.

Specs:

Next Step Pesticide, Skidder - Site Prep; Monitoring, Herbicide Use; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial

Treatments: Regen(3yr)

Acceptable Regen: -acceptable regeneration is fully stocked red pine with jack pine, white pine, oak, and aspen associates

Other

Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

89	54040089-Prep	35.0	3302 - Low Density Conifer Trees	Nonstocked		Immature	SitePrep	Trenching	42110 - Planted Red Pine	Even-Aged	No
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Prescription Trench for the planting of red pine.

Specs:

Next Step SitePrep, Roller Chopping; Pesticide, Skidder - Site Prep; Monitoring, Herbicide Use; Planting, Initial Plant; Monitoring, Artificial

Treatments: Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Regen: -acceptable regeneration is fully stocked red pine with jack pine, white pine, oak, and aspen associates

Other

Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2022



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Total Treatment Acreage Proposed: 195.2

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 40
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions									
		With Condition	Not Available		5B	5C	1C	2F	2G	3A	3D	3J	5E	
74	68	0	5	Aspen	0			4	0	0			0	2
32	0	0	32	Cedar					20				12	0
77	73	0	3	Herbaceous Openland									3	0
508	495	2	11	Jack Pine	0	2		0	0				6	5
72	71	0	1	Low-Density Trees		0		0					1	0
9	8	0	1	Lowland Aspen/Balsam Poplar									1	1
48	1	0	47	Lowland Conifers					45				2	
114	47	0	66	Lowland Shrub					1				66	0
14	3	0	11	Lowland Spruce/Fir			3		6				2	
38	10	0	28	Marsh									28	0
27	9	4	14	Mixed Upland Deciduous	4						10		3	
43	35	0	8	Natural Mixed Pines									8	
30	0	23	6	Oak	23			4	0				2	
20	20	0	0	Planted Mixed Pines										
168	134	30	4	Red Pine	8	21			0				4	
11	6	0	5	Treed Bog				0	0				5	
21	3	0	18	Upland Conifers			3			6			9	
2	2	0	0	Upland Mixed Forest									0	
20	20	0	1	Urban									1	
46	45	0	1	Water									1	
14	4	0	10	White Pine									10	
1,385	1,054	59	273	Total Forested Acres	36	23	6	7	71	7	10	163	8	
	76%	4%	20%	Relative Percent										

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5B: Maintain for regeneration purposes	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
Understory of red pine cannot be released without significant damage.							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 40
Year of Entry: 2025

2	Available	5B: Maintain for regeneration purposes	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2F: Too steep	4	3J: Water quality / BMPs (stream, river, or lake)	3D: Recreational / Scenic values	Unspecified	Unspecified
Comments: -small area below slope being used for camping							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	27	5D: Unproductive Forest Land	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 40
Year of Entry: 2025

8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -large diameter wp along trail and buffers lowland with riparian concerns							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	104	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	19	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 42							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 40
Year of Entry: 2025

14	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 58							
15	Unavailable	5E: Long-Term Retention	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 89- Minimum ~100ft buffer distance for stream and lake protection with 0% slope- Selection or thinning may be allowed within certain forested areas and distances but no clearcutting							
16	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3A: Conservation Values incompatible with harvest at this time	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 40
Year of Entry: 2025

20	Unavailable	1C: Other dept or div proc/practices	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 38							
23	Unavailable	2F: Too steep	4	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments: -steep ridge to north and significantly wet to south							
24	Available	5B: Maintain for regeneration purposes	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	54	Unspecified	Unspecified	Unspecified	Unspecified
Comments: - Minimum ~100ft buffer distance for stream and lake protection with 0% slope- Selection or thinning may be allowed within certain forested areas and distances but no clearcutting							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Daniel Natzke : Examiner

Compartment: 40
Year of Entry: 2025

26	Unavailable	3D: Recreational / Scenic values	10	5C: Delay treatment for age/size class diversity or exceptional site quality	5B: Maintain for regeneration purposes	Unspecified	Unspecified
Comments: Small stands along CR 622 left for aesthetics and to allow advanced regeneration to develop undisturbed.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
1	623 - Emergent Wetland	Nonstocked	1.2			No																																																														
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2	4130 - Aspen	Sapling Well	1.7	5	Immature	N/A																																																														
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3	622 - Lowland Shrub	Nonstocked	2.6		Immature	No																																																														
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4	4310 - Pine, Oak Mix	Sapling Medium	1.7	11	Immature	N/A	A good amount of oak regeneration.																																																													
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6	42290 - Natural Mixed Pine	Sawtimber Well	4.9	83	81-110	N/A	The stand also contains a younger cohort of pine about 50 years old.																																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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7	42220 - Natural Jack Pine	Poletimber Medium	8.1	49	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak		5	XLog/Log	18		Jack Pine	Low	Variable	Sapling
Jack Pine		65	Pole	8	49	White Pine	Medium	Variable	Sapling
Red Pine		5	Log/Pole	10		Black Cherry	Low	Variable	Sapling
White Pine		10	Log/Pole	13		Blueberry/Bilberry/Cranberry	High	< 5 feet	Tall Shrub
Black/Red (Hybrid) Oak		5	XLog/Log	20					
Bigtooth Aspen		10	Pole	8					

8	623 - Emergent Wetland	Nonstocked	7.4		Immature	No	
Sub-Canopy Species		Density	Avg. Height	Size			
Alder		Low	5 - 10 feet	Tall Shrub			
Sedges		Medium	Unspecified	Non-Wood			

9	310 - Herbaceous Openland	Nonstocked	2.4		Immature	Managed Opening	
Sub-Canopy Species		Density	Avg. Height	Size			
Big Bluestem		Low	Unspecified	Non-Wood			
Sweet Fern		Medium	< 5 feet	Tall Shrub			

10	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	18.0	58	81-110	N/A	There is almost a carpet of two foot tall oak regen in the north center. Jack pine is dying out of the stand. There is more jack pine in the east.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		15	Log/Pole	10	59	White Oak	Low	< 5 feet	Seeding
Jack Pine		25	Pole/Sapling	7	58	Black/Red (Hybrid) Oak	Medium	< 5 feet	Seeding
Black/Red (Hybrid) Oak		10	Log/XLog	16					
Quaking Aspen		10	Pole	7					
White Oak		10	Log/Pole	12					
White Pine		20	Pole/Log	8	58				
Bigtooth Aspen		10	Pole	7					

11	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	1.9	5	Immature	N/A	Stocking is lowest near the north-south trail.	
Canopy Species		% Cover	Size Class	DBH	Age			
White Oak		25	Sapling	1				
Black/Red (Hybrid) Oak		30	Sapling	1	5			
White Pine		15	Sapling	1				
Quaking Aspen		5	Sapling	1				
Red Pine		10	Sapling	3				
Jack Pine		5	Sapling	1				
Balsam Fir		5	Sapling	1				
Black Cherry		5	Sapling	1				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
12	500 - Water	Nonstocked	31.6			No	Doty Flooding					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Sedges	Low	Unspecified	Non-Wood	
13	310 - Herbaceous Openland	Nonstocked	2.3			Managed Opening						
								Sub-Canopy Species	Density	Avg. Height	Size	
								Big Bluestem	Medium	Unspecified	Non-Wood	
								Mixed Grasses	Low	Unspecified	Non-Wood	
Spotted Knapweed	Low	Unspecified	Non-Wood									
14	310 - Herbaceous Openland	Nonstocked	1.3			Immature						
								Sub-Canopy Species	Density	Avg. Height	Size	
								Jack Pine	Trace	5 - 10 feet	Sapling	
								White Pine	Trace	< 5 feet	Sapling	
								Spotted Knapweed	Medium	Unspecified	Non-Wood	
								Sweet Fern	Medium	< 5 feet	Tall Shrub	
Big Bluestem	Medium	Unspecified	Non-Wood									
15	42110 - Planted Red Pine	Sawtimber Well	6.5	85	111-140	N/A	Jack pine is senescing from the stand.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Jack Pine	30	Pole/Log	9	81
								Quaking Aspen	5	Pole	8	
								Black/Red (Hybrid) Oak	5	Log	12	
								Red Pine	60	Log	15	85
								Sub-Canopy Species	Density	Avg. Height	Size	
								Blueberry/Bilberry/Cranberry	High	< 5 feet	Tall Shrub	
								Black/Red (Hybrid) Oak	Low	Variable	Sapling	
								White Oak	Medium	Variable	Sapling	
White Pine	Low	Variable	Sapling									
Red Pine	Low	Variable	Sapling									
Jack Pine	Low	Variable	Sapling									
16	310 - Herbaceous Openland	Nonstocked	8.9			Managed Opening						
								Sub-Canopy Species	Density	Avg. Height	Size	
								Mixed Grasses	Medium	Unspecified	Non-Wood	
Spotted Knapweed	High	Unspecified	Non-Wood									
17	42110 - Planted Red Pine	Poletimber Well	17.6	40	111-140	N/A	Planted RP 2-0 in spring 1983 6'x9' (800/ac)					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Pine	80	Pole/Log	9	40
Jack Pine	20	Pole	7									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
18	42200 - Natural White Pine	Sawtimber Medium	13.9	92	81-110	N/A	Small saw log white pine are about 60 years old.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		5	Pole/Log	8		White Pine	Medium	Variable	Sapling
Black/Red (Hybrid) Oak		5	Log	13		Oak (spp.)	Low	Variable	Sapling
White Pine		65	Log/Pole/XLog	13	92				
Jack Pine		5	Pole/Log	8					
Red Pine		10	Log/Pole/XLog	13					
White Oak		5	Log/Pole	12					
Quaking Aspen		5	Pole/Log	8					
19	42110 - Planted Red Pine	Sawtimber Poor	8.3	85	1-50	N/A	Planted spring 1938.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		100	Log	14	85	White Oak	Medium	10 - 20 feet	Sapling
						White Pine	Medium	Variable	Sapling
						Red Pine	Medium	10 - 20 feet	Sapling
						Jack Pine	Medium	10 - 20 feet	Sapling
						Black/Red (Hybrid) Oak	Medium	10 - 20 feet	Sapling
20	4130 - Aspen	Sapling Poor	6.2	5	Immature	N/A	The stand is about 50/50 free to grow/ not stocked or heavily browsed. Schedule another regen check at re-inventory.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry		5	Sapling	1		Witch Hazel	High	< 5 feet	Tall Shrub
White Pine		5	Sapling	4					
Quaking Aspen		60	Sapling	1	5				
Red Maple		5	Sapling	1					
Bigtooth Aspen		25	Sapling	1					
21	310 - Herbaceous Openland	Nonstocked	1.2						
Sub-Canopy Species		Density	Avg. Height	Size					
Spotted Knapweed		Medium	Unspecified	Non-Wood					
Sweet Fern		Medium	< 5 feet	Tall Shrub					
Jack Pine		Trace	< 5 feet	Seeding					
22	42120 - Planted Jack Pine	Sapling Well	41.2	25	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		78	Sapling	3	25	Blueberry/Bilberry/Cranberry	Medium	< 5 feet	Tall Shrub
Red Pine		10	Sapling	4					
Black Cherry		1	Sapling	2					
Black/Red (Hybrid) Oak		1	Sapling	2					
White Oak		5	Sapling	1					
Quaking Aspen		5	Pole/Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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24 4191 - Mixed Upland Deciduous with Conifer Sapling Poor 7.0 5 Immature N/A There is a fair amount of 3 ft or less jack pine seedlings. Most show browse.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	35	Sapling	1	5
Bigtooth Aspen	20	Sapling	1	
Jack Pine	20	Sapling	1	
White Oak	20	Sapling	3	

25 4133 - Aspen, Mixed Pine Poletimber Well 4.7 37 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	70	Pole/Sapling	5	37	Balsam Fir	Trace	>20 feet	Sapling
Jack Pine	5	Pole	7		White Pine	Low	Variable	Sapling
Red Maple	5	Pole/Log	8		White Oak	Medium	Variable	Sapling
Red Pine	5	Log	12					
White Oak	5	Log/Pole	10					
White Pine	10	Pole/Log	8					

27 310 - Herbaceous Openland Nonstocked 1.3 Immature

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	Medium	Unspecified	Non-Wood
Spotted Knapweed	Low	Unspecified	Non-Wood
Sweet Fern	Medium	< 5 feet	Tall Shrub

28 122 - Road/Parking Lot Nonstocked 2.6 Pipeline facility

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	Medium	Unspecified	Non-Wood
Spotted Knapweed	Medium	Unspecified	Non-Wood

29 42120 - Planted Jack Pine Poletimber Well 18.3 33 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Sapling/Pole	4		White Pine	Trace	< 5 feet	Seeding
Jack Pine	95	Pole	6	33	Blueberry/Bilberry/Cranberry	Medium	< 5 feet	Tall Shrub
Balsam Fir	3	Pole/Sapling	5					

30 42220 - Natural Jack Pine Poletimber Well 2.6 58 51-80 N/A Open grown characteristics in the west.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	70	Pole	7	58	White Pine	Low	Variable	Sapling
White Pine	20	Pole/Log	8					
White Oak	5	Log	13					
Red Maple	5	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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31	4130 - Aspen	Sapling Medium	20.7	5	Immature	N/A	Growing in better than the stand to the east. Looks generally like big tooth aspen. Panhandle has the most browse. It looks like a precommercial thinning above 3 feet. Despite this most of the stand is free to grow.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Sapling/Pole	4	
Bigtooth Aspen	95	Sapling	1	5

33	6124 - Lowland Spruce-Fir	Poletimber Poor	15.6	88	1-50	N/A	This stand has a very high water table. There are tag alder pockets throughout.
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Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	10	Pole/Sapling	6	
Red Maple	5	Pole	6	
Paper Birch	5	Pole/Sapling	6	
White Pine	5	Log/XLog	16	
Black Spruce	35	Pole/Sapling	6	88
Balsam Fir	20	Pole/Sapling	6	
Quaking Aspen	10	Pole/Sapling	5	
Northern White Cedar	10	Pole/Sap/Log	7	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	Tall Shrub
Leatherleaf	Medium	< 5 feet	Tall Shrub
Balsam Fir	High	Variable	Sapling

34	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	74.3	27	Immature	N/A	Wind damage pockets along north edge.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	3	Sapling	2	
Red Pine	5	Sapling	2	
White Oak	2	Sapling/Pole	4	
Black/Red (Hybrid) Oak	5	Sapling	2	
Jack Pine	75	Sapling	3	27
Bigtooth Aspen	10	Sapling	3	

Sub-Canopy Species	Density	Avg. Height	Size
Blueberry/Bilberry/Cranberry	High	< 5 feet	Tall Shrub

35	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	10.2	93	81-110	N/A	There is a seep in the west of stand.
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Canopy Species	% Cover	Size Class	DBH	Age
White Oak	10	Log/Pole	12	
Red Pine	10	Log/XLog	17	
White Pine	25	Pole/Log/XLog	8	
Red Maple	5	Pole/Log	9	
Red Oak	25	Log	14	93
Quaking Aspen	20	Pole	7	
Jack Pine	5	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Low	10 - 20 feet	Sapling
Witch Hazel	Low	5 - 10 feet	Tall Shrub
Hawthorn (spp.)	Trace	5 - 10 feet	Tall Shrub
White Pine	Medium	Variable	Pole

36	310 - Herbaceous Openland	Nonstocked	5.3			Managed Opening	
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Sub-Canopy Species	Density	Avg. Height	Size
Big Bluestem	Low	Unspecified	Non-Wood
Spotted Knapweed	High	Unspecified	Non-Wood



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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37 622 - Lowland Shrub Nonstocked 55.8 Immature No Van Hetton Creek. The stand is mostly lowland brush, with some patches of lowland conifers on the periphery, especially in the west.

Sub-Canopy Species	Density	Avg. Height	Size
Alder	High	5 - 10 feet	Tall Shrub
Balsam Fir	Low	Variable	Sapling
White Pine	Low	Variable	Sapling
Black Spruce	Low	>20 feet	Sapling
Mixed Grasses	High	Unspecified	Non-Wood
Tamarack	Low	>20 feet	Sapling

38 4136 - Aspen, Mixed Conifer Sapling Medium 14.7 5 Immature N/A Forested but not free to grow as it's still mostly under 6'. Heavy browse.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	15	Sapling	1	5
Balsam Fir	10	Sapling	1	
Quaking Aspen	75	Sapling	1	5

39 4133 - Aspen, Mixed Pine Sapling Well 2.1 37 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	75	Sapling/Pole	4	37
White Pine	15	Log	13	
Jack Pine	5	Pole	6	
Red Pine	5	Log	13	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	Variable	Sapling
White Pine	Low	Variable	Sapling

40 42120 - Planted Jack Pine Sapling Well 6.0 34 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	95	Sapling/Pole	4	34
Quaking Aspen	5	Sapling/Pole	4	

41 42140 - Planted Mixed Pine Poletimber Well 19.6 33 1-50 N/A The west has scattered large white pine. Jack pine were reinforcement planted. There are scattered pockets of older jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	20	Pole/Log/Sap	9	
Jack Pine	45	Pole/Sapling	5	33
Red Pine	25	Pole/Sapling	5	
Quaking Aspen	10	Sapling/Pole	4	

42 6112 - Lowland Aspen Sapling Medium 9.3 5 Immature N/A Probably medium stocking over all. Bare areas tended to be wet alder or where jack pine appear to have been. Some jackpine seedlings in the north.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Sapling	3	
Quaking Aspen	75	Sapling	1	5
White Pine	15	Log	10	

Sub-Canopy Species	Density	Avg. Height	Size
Alder	High	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
43	42120 - Planted Jack Pine	Poletimber Well	15.4	58	51-80	N/A	Stand opens up in the west. Periodic jack pine mortality.																																											
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44	310 - Herbaceous Openland	Nonstocked	1.2				VCP Michigan LLC																																											
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46	42110 - Planted Red Pine	Poletimber Well	53.4	40	141-170	N/A																																												
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47	42120 - Planted Jack Pine	Sapling Well	49.7	14	Immature	N/A																																												
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Black/Red (Hybrid) Oak	2	XLog	18																																															
White Pine	5	Pole/Sapling	6																																															
48	122 - Road/Parking Lot	Nonstocked	17.8				CR 622 and Roth Road. Gravel and native surface.																																											
49	42220 - Natural Jack Pine	Poletimber Medium	16.6	57	51-80	N/A	An open stand.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
50	310 - Herbaceous Openland	Nonstocked	1.1		Immature	Managed Opening						
								Sub-Canopy Species	Density	Avg. Height	Size	
								Little Bluestem	Low	Unspecified	Non-Wood	
								Sweet Fern	High	< 5 feet	Tall Shrub	
								Spotted Knapweed	High	Unspecified	Non-Wood	
51	310 - Herbaceous Openland	Nonstocked	1.5		Unspecified	No						
								Sub-Canopy Species	Density	Avg. Height	Size	
								Big Bluestem	Trace	Unspecified	Non-Wood	
								Little Bluestem	Medium	Unspecified	Non-Wood	
								Sweet Fern	High	< 5 feet	Tall Shrub	
52	310 - Herbaceous Openland	Nonstocked	1.2									
53	310 - Herbaceous Openland	Nonstocked	1.0									
54	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	6.7	53	51-80	N/A	Very poor quality aspen. Open grown white pine.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	45	Pole/Log	9	53
								Jack Pine	25	Pole	7	
								Quaking Aspen	30	Pole/Sapling	6	56
Sub-Canopy Species	Density	Avg. Height	Size									
White Pine	Low	Variable	Sapling									
Red Pine	Low	Variable	Sapling									
55	310 - Herbaceous Openland	Nonstocked	5.9			No						
								Sub-Canopy Species	Density	Avg. Height	Size	
								Mixed Sedges/Grasses	Low	Unspecified	Non-Wood	
								Spotted Knapweed	High	Unspecified	Non-Wood	
56	42120 - Planted Jack Pine	Sapling Well	59.6	11	Immature	N/A	A few jack pine and red pine standards above the planted jack pine.					
								Canopy Species	% Cover	Size Class	DBH	Age
								White Pine	10	Pole	8	
								Quaking Aspen	10	Sapling	1	
								Black Cherry	5	Sapling	1	
								Jack Pine	73	Sapling	1	11
								Red Pine	2	Log	15	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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58 330 - Low-Density Trees Nonstocked 29.7 0 Unspecified No

Sub-Canopy Species	Density	Avg. Height	Size
Sweet Fern	Low	< 5 feet	Tall Shrub
Jack Pine	Trace	Variable	Seeding
Black Cherry	Trace	10 - 20 feet	Sapling
White Pine	Low	Variable	Sapling

59 6233 - Wet Meadow Nonstocked 24.8 Immature No

Alder fringes with scattered saplings fades into sedge or grass meadow with a stream at the center.

Sub-Canopy Species	Density	Avg. Height	Size
Leatherleaf	Medium	< 5 feet	Tall Shrub
Balsam Fir	Low	10 - 20 feet	Sapling
White Pine	Low	10 - 20 feet	Sapling
Northern White Cedar	Low	>20 feet	Log
Mixed Sedges/Grasses	High	Unspecified	Non-Wood
Alder	Medium	5 - 10 feet	Tall Shrub
Jack Pine	Low	10 - 20 feet	Sapling

60 6124 - Lowland Spruce-Fir Poletimber Medium 28.8 52 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	30	Pole	7	
Red Maple	5	Pole/Log	8	
Black Spruce	35	Sapling/Pole	4	52
Tamarack	10	Pole	8	
Northern White Cedar	10	Pole/Log	8	
White Pine	2	XLog/Log	18	
Paper Birch	3	Pole/Sapling	7	
Quaking Aspen	5	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	Tall Shrub

61 310 - Herbaceous Openland Nonstocked 1.0 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	< 5 feet	Seeding
Big Bluestem	Low	Unspecified	Non-Wood
Mixed Grasses	High	Unspecified	Non-Wood
Sweet Fern	Medium	< 5 feet	Tall Shrub
Jack Pine	Trace	10 - 20 feet	Sapling
Spotted Knapweed	Medium	Unspecified	Non-Wood



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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62	310 - Herbaceous Openland	Nonstocked	5.8		Immature	Managed Opening		
				Sub-Canopy Species		Density	Avg. Height	Size
				Mixed Sedges/Grasses		Low	Unspecified	Non-Wood
				Sweet Fern		Low	< 5 feet	Tall Shrub
				Spotted Knapweed		Low	Unspecified	Non-Wood

63	42120 - Planted Jack Pine	Poletimber Well	40.2	58	51-80	N/A	Surveyor's lath and bearing tree found in NW. Nothing obvious in the SW.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	2	Log	17		Black Cherry	Low	5 - 10 feet	Sapling
Jack Pine	78	Pole	7	58	Balsam Fir	Low	< 5 feet	Seeding
Balsam Fir	5	Pole/Sapling	5		White Pine	Low	5 - 10 feet	Sapling
Quaking Aspen	5	Pole	8		Jack Pine	Low	< 5 feet	Seeding
White Pine	3	Log/Pole	10		Blueberry/Bilberry/Cranberry	High	< 5 feet	Tall Shrub
Red Maple	2	Log/Pole	10					
Black/Red (Hybrid) Oak	5	Pole/Log	9					

64	42120 - Planted Jack Pine	Poletimber Well	28.8	46	81-110	N/A	In the west, this is a transitional stand with one foot wet and one dry. The main portion is solidly jack pine, planted, and definitely upland.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Sapling	6		Blueberry/Bilberry/Cranberry	Medium	< 5 feet	Tall Shrub
Black/Red (Hybrid) Oak	5	Log/Pole	10		Black Spruce	Low	< 5 feet	Seeding
Bigtooth Aspen	5	Pole	8		Black Cherry	Low	Variable	Sapling
Jack Pine	65	Pole	7	46	Leatherleaf	Low	< 5 feet	Tall Shrub
Black Spruce	5	Pole	7					
Balsam Fir	5	Pole	6					
White Pine	5	Log/Pole	12					
Red Pine	5	Log	10	52				

66	429 - Mixed Upland Conifers	Poletimber Well	2.6	88	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	20	Pole	8		Jack Pine	Low	Variable	Sapling
White Spruce	10	Log	16		White Pine	Medium	Variable	Sapling
Jack Pine	20	Pole/Log	9		White Spruce	Low	Variable	Sapling
White Pine	10	Log/Pole	10		Red Pine	Low	Variable	Sapling
Quaking Aspen	40	Pole/Log	9	88	Balsam Fir	Medium	Variable	Sapling

67	42220 - Natural Jack Pine	Poletimber Poor	22.1	47	1-50	N/A	Open stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole	8		Blueberry/Bilberry/Cranberry	Medium	< 5 feet	Tall Shrub
Black/Red (Hybrid) Oak	5	Pole	8		Black Cherry	Medium	Variable	Sapling
Jack Pine	80	Pole/Log	9	47				
Bigtooth Aspen	5	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																												
68	622 - Lowland Shrub	Nonstocked	29.3			No																													
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70	6220 - Alder/willow	Nonstocked	3.0	Immature		No	Van Hetton Creek																												
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72	310 - Herbaceous Openland	Nonstocked	1.0																																
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73	3302 - Low Density Conifer Trees	Nonstocked	3.1	Immature		No	Possibly once related to the open jack pine stand to the east.																												
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74	42110 - Planted Red Pine	Poletimber Well	18.9	64	111-140	N/A																													
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Red Pine	81	Log/Pole	10	64																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
75	6122 - Black Spruce	Poletimber Well	6.9	68	51-80	N/A	Smaller diameter trees along lowland brush perimeter with increasing diameters when moving out to higher, drier ground. At least one cohort of 47 year old black spruce.																																							
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76	623 - Emergent Wetland	Nonstocked	2.3		Unspecified	No	Beaver pond at the center.																																							
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78	6220 - Alder/willow	Nonstocked	5.6		Unspecified	No																																								
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80	310 - Herbaceous Openland	Nonstocked	1.9			No																																								
81	42110 - Planted Red Pine	Poletimber Well	23.4	40	141-170	N/A																																								
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82	42110 - Planted Red Pine	Poletimber Well	18.4	62	111-140	N/A	Edges have less well defined rows. The interior seems better. Spacing between rows for the most part looks adequate for equipment movement.																																							
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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83	42120 - Planted Jack Pine	Poletimber Well	11.5	33	51-80	N/A	Merged two small stands. Planted at the same time.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		8	Log/Pole	13		Blueberry/Bilberry/Cranberry		High	5 - 10 feet	Tall Shrub
Bigtooth Aspen		5	Sapling	4		Jack Pine		Low	< 5 feet	Seeding
Jack Pine		85	Pole	5	33	White Pine		Low	< 5 feet	Sapling
White Pine		2	Pole	8						

84	310 - Herbaceous Openland	Nonstocked	0.9			No	
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85	429 - Mixed Upland Conifers	Poletimber Well	5.4	67	51-80	N/A	Upland slopes into small wet land drainage.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Tamarack		5	Pole	7		Red Pine		Low	Variable	Sapling
Black Spruce		10	Pole/Sapling	6		Tag Alder		Medium	5 - 10 feet	Tall Shrub
Red Pine		15	Log/Pole	11		Black Cherry		Medium	Variable	Tall Shrub
White Pine		2	Log	16		White Pine		Low	Variable	Sapling
Quaking Aspen		30	Log/Pole	10						
Jack Pine		38	Pole	8	67					

86	310 - Herbaceous Openland	Nonstocked	5.1		Unspecified	Managed Opening	
Sub-Canopy Species		Density	Avg. Height	Size			
Sweet Fern		Medium	< 5 feet	Tall Shrub			
Big Bluestem		Medium	Unspecified	Non-Wood			

87	42110 - Planted Red Pine	Sawtimber Medium	21.3	82	111-140	N/A	Probably 4-5 sticks of merchantable height mostly. Stand looks healthy.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Jack Pine		5	Pole	7		Jack Pine		Low	Variable	Sapling
Red Pine		95	Log/Pole	13	82	Blueberry/Bilberry/Cranberry		High	< 5 feet	Tall Shrub
						White Pine		Medium	Variable	Sapling

88	4130 - Aspen	Sapling Medium	10.8	5	Immature	N/A	Browse evident, especially in the stand margins.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		10	Sapling	3		Blueberry/Bilberry/Cranberry		High	< 5 feet	Tall Shrub
Quaking Aspen		85	Sapling	1	5	Sweet Fern		Low	< 5 feet	Tall Shrub
Black Cherry		5	Sapling	1						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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89	3302 - Low Density Conifer Trees	Nonstocked	35.0		Immature	4211 - Planted Red Pine	Roller Chopping was completed on 8/1/2022.
							Variance approved on 8/25/22 for a change to Planted Red Pine (R) - acceptable regeneration is fully stocked red pine with jack pine, white pine, oak, and aspen associates
							-High Country Hiking Trail
							-harvest complete 8/28/18
							Quantitative Regen Survey Completed 7/16/21 (see attached regen survey report and map in stand information)
-number of plots- 17							
-trees per acre- 170 jp (63%), 65 b cherry (23%), 35 wp (12%), 6 rp (2%)							
-stocked plots- 12%							
-total tpa- 276							
-total acceptable tree species per acre- 170							

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Sapling
Jack Pine	Low	Variable	Sapling
Mixed Sedges/Grasses	High	Unspecified	Non-Wood
Red Pine	Trace	10 - 20 feet	Sapling

90	6120 - Lowland Cedar	Sawtimber Medium	1.6	116	51-80	N/A	Birch is dying out of the stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	70	Log/Pole	10	116	White Pine	Medium	Variable	Sapling
White Pine	2	XLog	28		Balsam Fir	Low	>20 feet	Sapling
Black Spruce	18	Pole	7		Tag Alder	Low	5 - 10 feet	Tall Shrub
Paper Birch	5	Pole	7		Black Spruce	Medium	Variable	Sapling
Red Maple	5	Pole	8					

91	310 - Herbaceous Openland	Nonstocked	1.0		Immature		
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Sub-Canopy Species	Density	Avg. Height	Size
Spotted Knapweed	Low	Unspecified	Non-Wood
Mixed Grasses	High	Unspecified	Non-Wood
Sweet Fern	Medium	< 5 feet	Tall Shrub
Red Pine	Low	< 5 feet	Seeding

92	310 - Herbaceous Openland	Nonstocked	1.2			No	
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93	42120 - Planted Jack Pine	Poletimber Well	28.1	37	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Oak	3	Log	14		Blueberry/Bilberry/Cranberry	High	< 5 feet	Tall Shrub
White Pine	5	Pole/Log	8					
Jack Pine	80	Pole/Sapling	5	37				
Bigtooth Aspen	7	Sapling	4					
Black/Red (Hybrid) Oak	5	XLog	20					

94	42120 - Planted Jack Pine	Sapling Well	41.8	26	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	5	Sapling/Pole	4	
Black/Red (Hybrid) Oak	5	Pole/Log	8	
Jack Pine	90	Sapling	3	26



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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95	6120 - Lowland Cedar	Poletimber Medium	30.3	120	111-140	N/A	Large sawlog white pine in the northwest.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	15	Pole/Sapling	6		Black Spruce	Low	Variable	Sapling
Black Spruce	20	Pole/Sapling	7	63	Leatherleaf	Medium	< 5 feet	Tall Shrub
Tamarack	5	Pole/Log	8	58	Balsam Fir	Low	Variable	Sapling
Northern White Cedar	50	Pole/Log	9	120	Tag Alder	Low	< 5 feet	Tall Shrub
White Pine	5	XLog	20					
Paper Birch	5	Pole/Log	8					

96	310 - Herbaceous Openland	Nonstocked	2.6			Managed Opening	
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Sub-Canopy Species	Density	Avg. Height	Size
Blueberry/Bilberry/Cranberry	Low	< 5 feet	Tall Shrub
Mixed Sedges/Grasses	High	Unspecified	Non-Wood

97	429 - Mixed Upland Conifers	Sawtimber Well	4.3	60	81-110	N/A	Legacy red pine in south
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	20	Log/Pole	10	95	Balsam Fir	Low	Variable	Sapling
Red Maple	5	Pole/Log	8		Black Spruce	Low	Variable	Sapling
White Oak	3	Log	12		White Pine	Medium	Variable	Sapling
Bigtooth Aspen	5	Log/Pole	12		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak	12	Log	13					
Balsam Fir	5	Pole	7					
Black Spruce	15	Pole	8					
White Pine	30	Log/Pole/XLog	14	60				
Red Pine	5	Log	15					

98	6122 - Black Spruce	Sapling Well	5.7	65	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	75	Sapling/Pole	4	65	Sphagnum Moss	Full	Unspecified	Non-Wood
White Pine	20	Pole/Sapling	6		Leatherleaf	Medium	< 5 feet	Tall Shrub
Tamarack	5	Pole/Sapling	5					

99	42120 - Planted Jack Pine	Sapling Well	13.2	11	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Pole	7		Blueberry/Bilberry/Cranberry	High	5 - 10 feet	Tall Shrub
Balsam Fir	2	Sapling/Pole	4					
Black Cherry	5	Sapling	1					
Red Pine	3	Log/Pole	10					
Jack Pine	85	Sapling	1	11				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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100 42121 - Planted Jack Pine, Mixed Deciduous Poletimber Well 22.0 54 51-80 N/A A few spots have dense white pine regen up to 20 feet tall.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	80	Pole	6	54	Blueberry/Bilberry/Cranberry	High	< 5 feet	Tall Shrub
White Oak	5	Log/Pole	13		White Pine	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	15	Log/XLog	16					

101 310 - Herbaceous Openland Nonstocked 1.0

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Sedges/Grasses	Medium	Unspecified	Non-Wood
Spotted Knapweed	Low	Unspecified	Non-Wood
Jack Pine	Trace	10 - 20 feet	Sapling

102 4126 - White, Black, N. Pin Oak Sawtimber Medium 3.8 96 51-80 N/A Oak and associates on a slope ending in lowland types.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	8	Log/Pole	12		Jack Pine	Low	5 - 10 feet	Sapling
White Pine	10	Log/Pole	10		White Pine	Low	Variable	Sapling
White Oak	30	Log/XLog	15		Red Maple	Low	Variable	Sapling
Red Maple	5	Pole	7					
Balsam Fir	3	Pole	7					
Black Spruce	2	Pole	6					
Black/Red (Hybrid) Oak	37	Log/XLog	15	96				
Jack Pine	5	Pole	7					

103 6122 - Black Spruce Poletimber Medium 1.7 75 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	20	XLog	20		Black Spruce	Medium	Variable	Sapling
Black Spruce	65	Pole	8	75	Blueberry/Bilberry/Cranberry	Low	< 5 feet	Tall Shrub
Tamarack	15	Pole/Log	8	91	Tag Alder	Medium	5 - 10 feet	Tall Shrub
					Leatherleaf	Medium	< 5 feet	Tall Shrub

104 310 - Herbaceous Openland Nonstocked 1.1 Immature No VCP Michigan LLC. 989 732 8499

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Sedges/Grasses	Medium	Unspecified	Non-Wood
Sweet Fern	Medium	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
105	6220 - Alder/willow	Nonstocked	17.2		Unspecified	No	In places the stand resembles a treed bog. Pothole lakes at the center.																																																															
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106	3303 - Mixed Low Density Trees	Nonstocked	4.1			No																																																																
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107	4130 - Aspen	Poletimber Well	8.2	36	51-80	N/A	High Country Pathway																																																															
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Quaking Aspen	10	Pole	6																																																																			
108	4122 - Oak, Pine	Sawtimber Medium	25.7	112	51-80	N/A	White pine occupies stand throughout at a medium level. Steep slopes in the southeast.																																																															
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
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Jack Pine	5	Pole	7																																																																			
Red Maple	5	Pole/Log	9																																																																			
109	6224 - Treed Bog	Nonstocked	10.9		Unspecified	No																																																																
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White Pine	Low	>20 feet	Sapling																																																																			
Alder	High	5 - 10 feet	Tall Shrub																																																																			
111	500 - Water	Nonstocked	14.4		Unspecified	No	Pug lakes.																																																															



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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112 6129 - Mixed Coniferous Lowland Forest Poletimber Well 3.6 92 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	XLog	24		Black Spruce	Medium	Variable	Sapling
Black Spruce	30	Pole	7		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Tamarack	44	Pole	9	92				
Northern White Cedar	6	Log/Pole	10					
White Pine	15	Pole	8					

113 4131 - Aspen, Oak Sawtimber Well 4.6 68 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	60	Log/Pole	12	68	White Pine	Medium	Variable	Sapling
White Pine	3	Log/Pole	10					
Red Pine	2	Log	14					
Jack Pine	5	Pole	9					
Quaking Aspen	10	Log/Pole	10					
White Oak	5	Log	13					
Black/Red (Hybrid) Oak	15	Log	13					

114 42120 - Planted Jack Pine Poletimber Well 8.6 51 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	5	Pole	7		Blueberry/Bilberry/Cranberry	High	< 5 feet	Tall Shrub
Jack Pine	82	Pole/Log/Sap	8	51	Balsam Fir	Low	Variable	Sapling
Red Pine	8	Log/Pole	12		Jack Pine	Low	10 - 20 feet	Sapling
White Pine	5	Log/Pole	11		Red Pine	Low	10 - 20 feet	Sapling
					White Pine	Medium	Variable	Sapling

115 4191 - Mixed Upland Deciduous with Conifer Sawtimber Medium 3.3 93 51-80 N/A

Formerly a part of stand 2 to the east. There is a nice patch of free to grow oak in the center.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	18	Log	16		Black/Red (Hybrid) Oak	Medium	Variable	Sapling
Red Pine	15	Pole/Log	8		White Pine	Medium	Variable	Sapling
White Pine	5	Pole	6		Red Pine	Low	Variable	Sapling
White Spruce	1	Pole	7		Red Maple	Low	Variable	Sapling
White Oak	26	Log	14	93	White Oak	Medium	Variable	Sapling
Bigtooth Aspen	25	Log/Pole	11					
Jack Pine	10	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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116 429 - Mixed Upland Conifers Sawtimber Well 8.5 60 81-110 N/A Small marsh in north center. Cedar and lowland conifer drainage in southwest. The roughly 60 year old white pine is most common in the stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	8	Pole/Log	9		Black Spruce	Low	< 5 feet	Seeding
Paper Birch	5	Pole/Log	8		Balsam Fir	Low	< 5 feet	Seeding
Quaking Aspen	5	Pole/Log	8	57	White Pine	High	Variable	Sapling
White Pine	42	XLog/Log	20	60				
Red Pine	10	Log/XLog	17					
Balsam Fir	5	Pole	6					
Red Maple	15	Pole/Log	8	58				
Black Spruce	5	Pole/Sapling	6					
Jack Pine	5	Pole/Log	8					

117 4191 - Mixed Upland Deciduous with Conifer Sawtimber Medium 4.1 73 51-80 N/A Survey monument in southeast.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	3	Log	13		White Pine	Medium	Variable	Sapling
Bigtooth Aspen	20	Log/Pole	11	54	Red Pine	Low	Variable	Sapling
Jack Pine	5	Pole	7					
Red Oak	10	Log	14					
Red Maple	37	Pole/Log	8	73				
White Pine	20	Pole/Log	9	53				
White Oak	5	Log	14					

118 310 - Herbaceous Openland Nonstocked 0.8

Sub-Canopy Species	Density	Avg. Height	Size
Little Bluestem	Low	Unspecified	Non-Wood
Big Bluestem	Medium	Unspecified	Non-Wood

119 310 - Herbaceous Openland Nonstocked 1.0 Immature VCP Michigan LLC 989 732 8499

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	Medium	Unspecified	Non-Wood
Spotted Knapweed	High	Unspecified	Non-Wood
Sweet Fern	Low	< 5 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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120 42260 - Natural Pine, Mixed Deciduous Sawtimber Well 13.0 60 81-110 N/A Much of stand is gentle slope to lowland. More fir in the east.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Log	8		White Pine	Low	Variable	Sapling
Red Oak	5	Log	13		Balsam Fir	Medium	Variable	Sapling
White Pine	30	Log/Pole/XLog	12	60	Blueberry/Bilberry/Cranberry	Medium	< 5 feet	Tall Shrub
Quaking Aspen	20	Log/Pole	10					
Jack Pine	10	Pole	7					
Balsam Fir	5	Pole/Sapling	6					
Red Pine	25	Log/Pole/XLog	12					