



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54061

Entry Year 2025

Acreage: 1,674

County Montmorency

Management Area: Presque Isle Lake and Till Plains

Stand Examiner: Darrick Coy

Legal Description:

Sections 1, 12 and 13, T32N-R2E

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan. Harvests prescribed will help to balance the age classes of aspen, pine, and other cover types to sustainably produce various timber products, enhance game and non-game wildlife habitat and provide for forest-based recreational uses. This compartment is part of the Kirtland's Warbler Management Area.

Soil and topography:

North of Tomahawk Creek the land is broadly rolling with about 80 feet total elevation change. The south is mostly flat, especially the conifer swamps. The northern soils include Grayling, Graycalm, Klacking and Millersburg, and range from excessively drained sand to well drained loamy sand. The southern swamps are mostly Tawas muck, with higher ground being Rubicon, Graycalm, Millersburg and Croswell. Cover types are predominately jack pine, aspen, mixed upland deciduous, and lowland conifer. Forest habitat types are primarily dominated by PARVHa, PVCd, and unclassified lowland.

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

The compartment is almost entirely surrounded by state ownership. No gas production facilities/infrastructure exists. The private holdings are primarily used for hunting and other recreation.

Unique Natural Features:

Features exist and have been reported by MNFI within this compartment.

Contact Michigan Natural Features Inventory for more information or reporting. All proposed management activities have taken these concerns into consideration.

Archeological, Historical, and Cultural Features:

Sites exist. Contact the State Historical Preservation Office for more information or reporting of new sites.

Special Management Designations or Considerations:

This compartment is within the Kirtland's Warbler Management Area.

The essential habitat layer is being revised for analysis as part of the State Forest Plan revision. Previously approved 2013 plan information:

The Kirtland's Warbler Management Area (MA) consists of fifteen units of land that are managed for the federally endangered Kirtland's warbler. Kirtland's warbler management is guided by two documents: Kirtland's Warbler Breeding Range Conservation Plan and Operational Plan for Kirtland's Warbler Habitat Management on Michigan State Forests. Of the 148,017 acres of state forest land that make up the Kirtland's Warbler management area, approximately 90,000 acres, most of the jack pine in the management area, have been identified as essential habitat where management is done in accordance with the Kirtland's Warbler Conservation Plan and Operational Plan. Management on the portion that is not classified as essential habitat will emphasize balancing the age classes of aspen and red pine and regenerating the aging oak resource. Management activities may be constrained or modified based on management recommendations described in the Conservation Strategy. Expected trends within this 10-year planning period are introduced pests and diseases and assuring jack pine regeneration on Kirtland's warbler sites.

(Excerpted From: Northern Lower Peninsula Regional State Forest Management Plan. 4.17 MA 17- Kirtland's Warbler Management Area, Summary of Use and Management, Pg 1. Michigan DNR. 2013.)

(<https://www2.dnr.state.mi.us/Publications/pdfs/ForestsLandWater/RSFMP/NLP/NLPMgmtPlanSec4.pdf>)

Watershed and Fisheries Considerations:

Tomahawk Creek—including one of the Twin Tomahawk Lakes—swings through the central portion of the compartment. Twin Tomahawk Lakes are popular for fishing.

Wildlife Habitat Considerations:

This compartment is part of the Clear Lake Kirtland's Warbler Management Area. As such, Kirtland's warbler is a featured species here along with white-tailed deer and snowshoe hare, which benefit from early successional jack pine habitats in the area. Openings coming in with brush should be maintained with fire, while others in good condition should be planted with food and cover crops 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 (commercial markets) to have much economic potential. It is more likely that a new pit here would primarily be used by the county road commission or DNR for local road maintenance. The nearest oil & gas production, past or present, is several miles away. The Antrim is very thin or absent beneath the compartment, and the compartment is outside the Silurian reef trend. Oil & gas potential is considered low at this time. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Access to the compartment is good. Several frequently and infrequently used fire break roads exist. Some access two-tracks will need to be reshaped as logging activities begin and progress. With the high amount of recreational use, illegal trails created will need to be identified and blocked off as they occur. No trash was found within the compartment.

View the status of state forest roads open to conventional motorized use within the compartment online using the Michigan DNR interactive roads maps or download printable maps for free.

Survey Needs:

T32N, R02E, Sections 12 and 13 private inholdings

Recreational Facilities and Opportunities:

Hunting and Warbler Viewing- Throughout the compartment.

Fishing- Twin Tomahawk Lakes

Recreational Trails:

LP 9 Snowmobile Trail- groom sponsor- Canada Creek Ranch Snowmobile Club

Atlanta Michigan Cross Country Cycle Trail (MCCCT)- groom sponsor- Cycle

Conservation Club of Michigan

Atlanta ATV Trail (50 inch)- groom sponsor- Cycle Conservation Club of Michigan

Atlanta ORV Route (72 inch)- groom sponsor- Great Lakes Four Wheel Drive Association

Fire Protection:

Many stands of young Jack Pine and dry oak/pine mixed stands. There are numerous fire breaks and two-tracks between Jack Pine stands. Fire response to the compartment will be covered by the Atlanta DNR and Atlanta Tri-Township Fire Department.

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

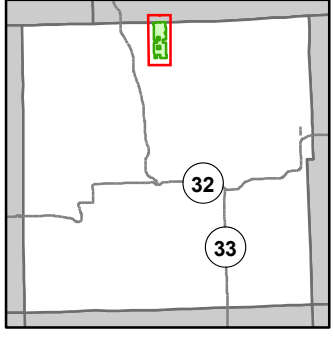
Proposed treatments

Site condition boundaries

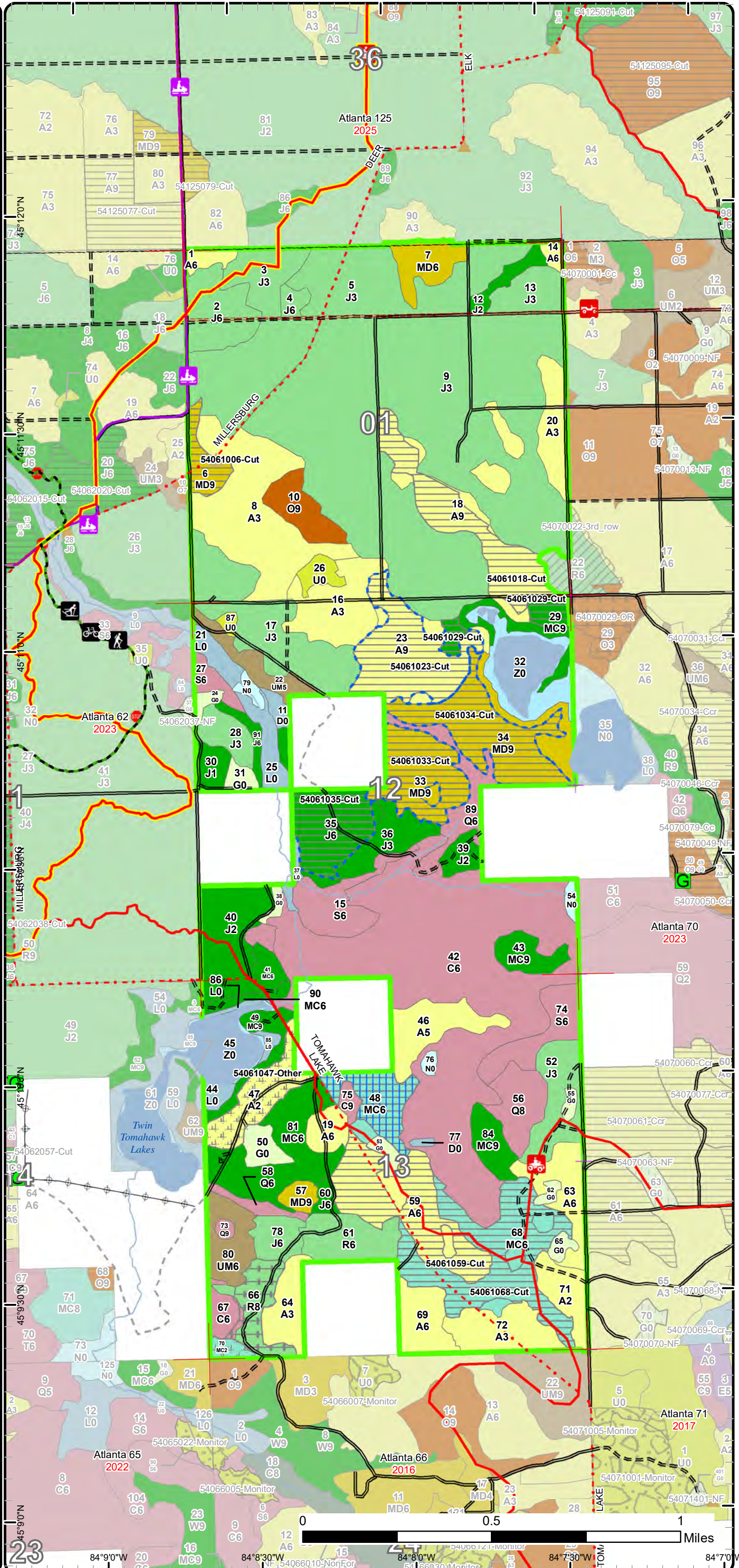
Details on the road access system

Cover Type & Treatments Map

Compartment: 61
 T32N, R02E, Sec. 01, 12-13
 County: Montmorency
 Unit: Atlanta
 Mgmt Area: Presque Isle Lake and Till Plains
 YOE: 2025
 Acres: 1673.9 GIS Calculated
 Examiner: Darrick Coy
 Map Revised: 6/12/2023
 Map Phase: Review

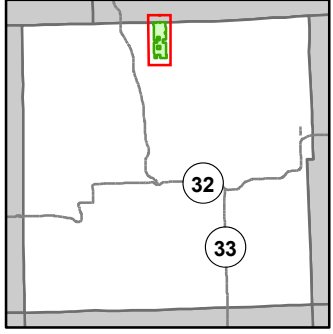


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Dirt / Gravel Road
- Hiking Trails
- Bike Trails
- Ski Trails
- MCCCT Trails
- ORV Trails
- ORV Routes
- Snowmobile Trails
- Designated Hiking Trails
- - - Designated Bicycle Trails
- Designated Multi-Use Trails
- Designated ATV
- - - Designated ORV Route
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Berms
- G Gate
- Culvert
- Sign
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Harvest, Overstory Removal
- Seed Tree (w/Reserves)
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

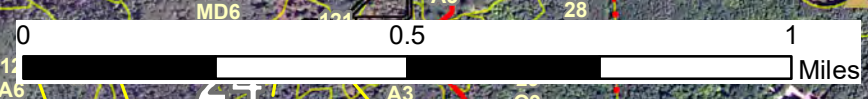
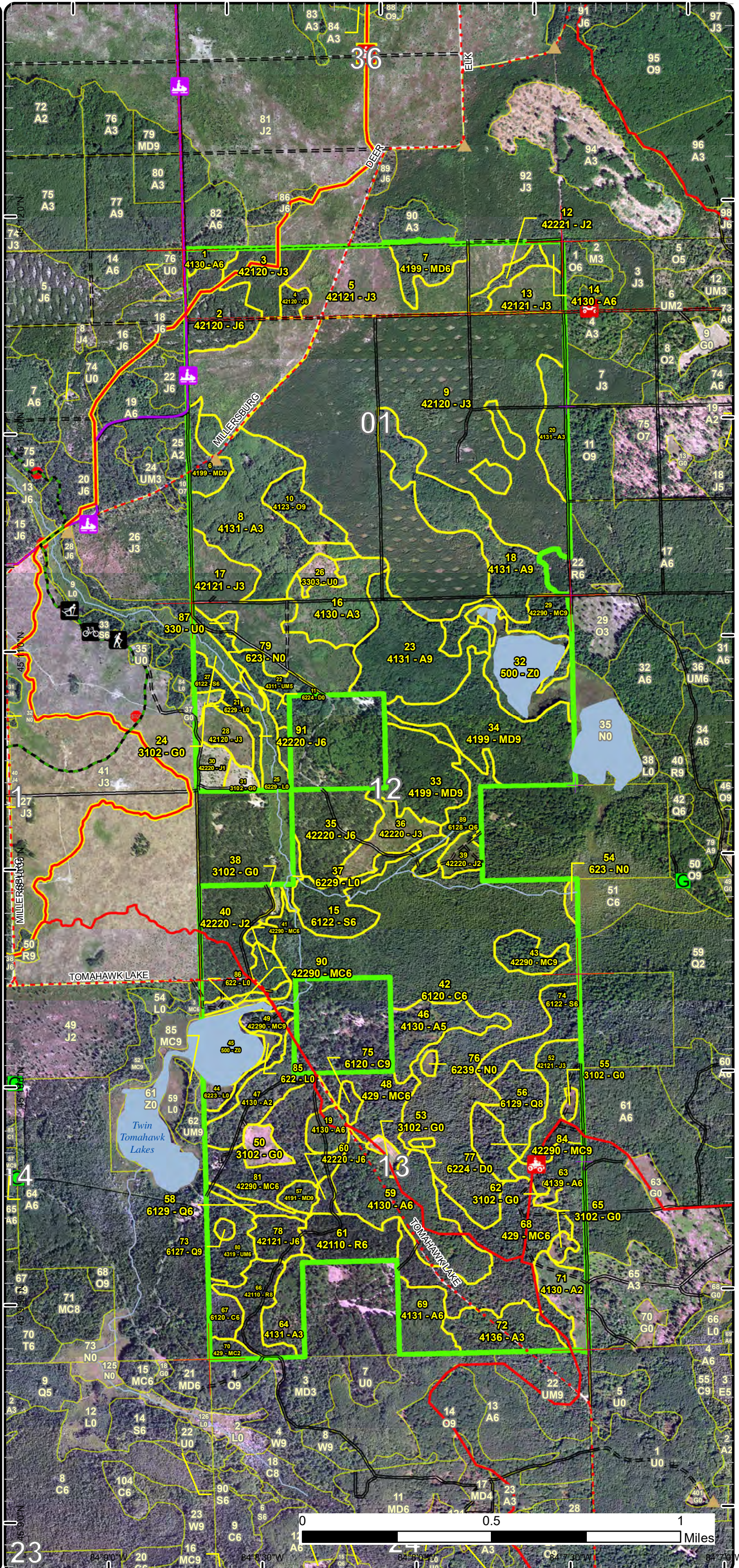


Stand Boundary Map

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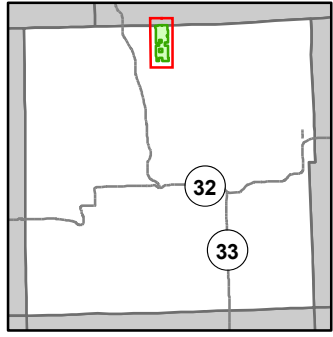


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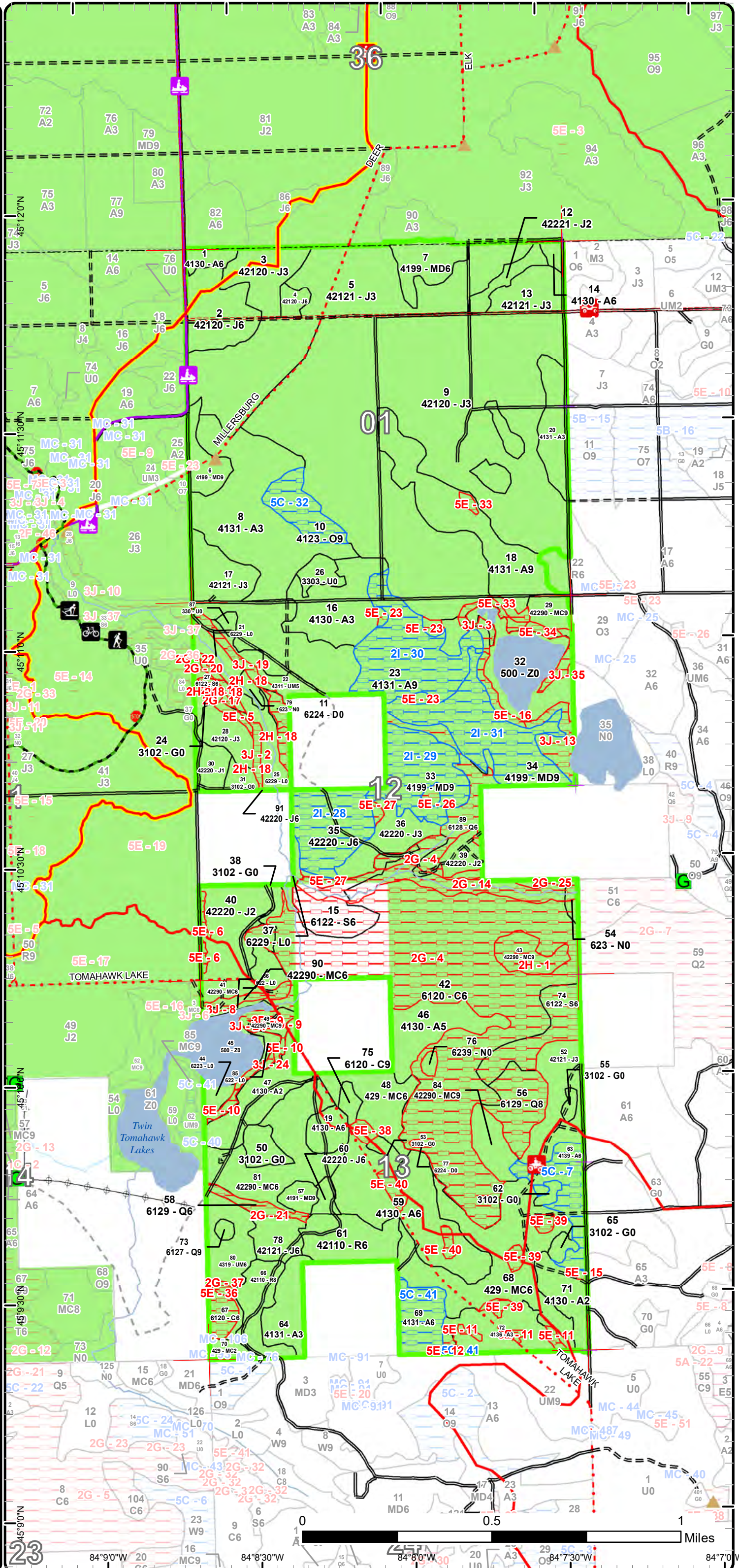


Special Conservation Areas

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- Designated Bicycle Trails
- Designated Multi-Use Trails
- Designated ATV
- Designated Snowmobile Trails
- Michigan Cross Country Cycle Trail (MCCCT)
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Berms
- Gate
- Culvert
- Sign
- Powerline
- Compartment Boundary
- Available w/ Constraints
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Kirtland Warbler Habitat
- Cold Water Streams
- Cold Water Lakes



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	51	25	92	25	7	77	0	0	82	0	0	0	0	0	0	0	0	358
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	197	3	0	0	0	0	200
Herbaceous Openland	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Jack Pine	0	29	175	307	28	4	12	28	6	0	0	0	0	0	0	0	0	0	588
Low-Density Trees	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Conifers	0	0	0	0	0	0	0	0	0	2	0	16	19	0	0	0	0	0	37
Lowland Shrub	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Lowland Spruce/Fir	0	0	0	0	0	0	0	16	26	0	0	0	0	0	0	0	0	0	42
Marsh	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	0	0	0	13	0	0	0	0	38	53	0	0	0	0	0	0	0	104
Natural Mixed Pines	0	0	0	0	0	5	0	34	4	0	26	19	0	0	0	0	0	0	88
Oak	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	13
Red Pine	0	0	0	0	18	0	0	0	15	0	0	0	0	0	0	0	0	0	33
Treed Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Conifers	0	4	0	0	0	0	0	73	0	0	0	0	0	0	0	0	0	0	77
Upland Mixed Forest	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	0	0	26
Water	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Total	109	84	200	399	84	16	115	151	51	135	79	35	216	3	0	0	0	0	1675



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 61

Total Compartment Acres: 1,674

Commercial Harvest - 173
 Harvests with Site Condition - 129
 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	112	0	0	0	0	0	0	0	0	112
Jack Pine	26	0	0	0	0	0	0	0	0	26
Mixed Upland Deciduous	74	0	0	0	0	0	0	0	0	74
Natural Mixed Pines	9	0	0	0	0	0	0	0	0	9
Red Pine	0	0	0	0	0	15	0	0	0	15
Upland Conifers	50	0	0	17	0	0	0	0	0	66
Total	271	0	0	17	0	15	0	0	0	302

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	302	0	0	0	0	0	22	0	0	325
Next Step	0	0	0	0	0	288	0	0	0	288
Total	302	0	0	0	0	288	22	0	0	612



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:

6	54061006-Cut	9.2	4199 - Other Mixed Upland Deciduous	Sawtimber Well	85	81-110	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> -clearcut <u>Specs:</u> -no retention due to small treatment size -follow KW timing specs for cutting and hauling <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> -aspen, oak, pine, cherry, fir, spruce, and maple of medium to high stocking <u>Regen:</u> -also accept upland mixed deciduous cover type objective <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>											
18	54061018-Cut	33.8	4131 - Aspen, Oak	Sawtimber Well	85	111-140	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> -clearcut <u>Specs:</u> -leave all white pine, only trace amount present -leave 3-10% in area retention (already excluded- see site conditions layer) -leave 100ft minimum protection zone for lake and other water features (already excluded- see site conditions layer) -include grouse timber sale specification, suggest mark to leave -follow KW timing specs for cutting and hauling <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> -aspen, oak, pine, cherry, fir, spruce, and maple of medium to high stocking <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>											
23	54061023-Cut	38.4	4131 - Aspen, Oak	Sawtimber Well	87	141-170	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> -clearcut <u>Specs:</u> -leave 3-10% in area retention (already excluded- see site conditions layer) -include grouse timber sale specification, suggest mark to leave -follow KW timing specs for cutting and hauling <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> -aspen, oak, pine, cherry, and maple of medium to high stocking <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> Survey Needed <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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29	54061029-Cut	8.8	42290 - Natural Mixed Pine	Sawtimber Well	92	111-140	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
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Prescription -clearcut-leave 2-5 white pine and/or oak per acre-in addition, leave-tree mark any potential legacy trees-leave 3-10% in area retention
Specs: (already excluded- see site conditions layer)-leave 100ft minimum protection zone for lake and other water features (already excluded- see site conditions layer)-follow KW timing specs for cutting and hauling

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: -aspen, oak, pine, cherry, fir, spruce, and maple of medium to high stocking-also accept a mixed upland coniferous, mixed deciduous cover type

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2024

33	54061033-Cut	27.1	4199 - Other Mixed Upland Deciduous	Sawtimber Well	88	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
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Prescription -clearcut
Specs: -leave all white pine, only trace amount present
 -leave 3-10% in area retention (already excluded- see site conditions layer)
 -follow KW timing specs for cutting and hauling

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: -aspen, oak, pine, cherry, fir, spruce, and maple of medium to high stocking
 -also accept upland mixed deciduous cover type objective

Other Comment:

Site Condition Survey Needed

Proposed Start Date: 10/1 /2024

34	54061034-Cut	38.0	4199 - Other Mixed Upland Deciduous	Sawtimber Well	91	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
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Prescription -clearcut
Specs: -leave all white pine, only trace amount present
 -leave 3-10% in area retention (already excluded- see site conditions layer)
 -leave 100ft minimum protection zone for lake and other water features (already excluded- see site conditions layer)
 -follow KW timing specs for cutting and hauling

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen: -aspen, oak, pine, cherry, fir, spruce, and maple of medium to high stocking
 -also accept upland mixed deciduous cover type objective

Other Comment:

Site Condition Survey Needed

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
35 54061035-Cut	25.8	42220 - Natural Jack Pine	Poletimber Well	63	51-80	Harvest	Clearcut with Retention	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> -clearcut <u>Specs:</u> -leave 3-10% in area retention (already excluded- see site conditions layer) -leave 100ft minimum protection zone for river to the south (already excluded- see site conditions layer) -follow KW timing specs for cutting and hauling <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> -aspen, oak, pine, cherry, fir, spruce, and maple of low to high stocking <u>Regen:</u> -also accept upland mixed deciduous cover type objective -accept low stocking if needed <u>Other</u> -best access is through private <u>Comment:</u> -follow-up with treatment at review for potential KW concerns <u>Site Condition</u> Survey Needed <u>Proposed Start Date:</u> 10/1 /2024</p>										
47 54061047-Other	18.7	4130 - Aspen	Sapling Medium	6	Immature	Other	Other	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> -pine, aspen cover type was not achieved <u>Specs:</u> -variance through compartment review to accept an aspen cover type objective <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> -aspen, maple, oak, and pine of medium to high stocking <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										
48 54061048-Cut	16.7	429 - Mixed Upland Conifers	Poletimber Well	63	81-110	Harvest	Seed Tree with Retention	429 - Mixed Upland Conifers	Even-Aged	No
<p><u>Prescription</u> -seed-tree cut <u>Specs:</u> -leave all white pine not to exceed a residual basal area between 10-30 BA (should not need to mark to leave) to fill in areas of low stocking over time -leave 3-10% in area retention around ATV trail (already excluded- see site conditions layer) -protect Atlanta ATV trail in timber sale specifications -operations must try to avoid damaging all advanced conifer regeneration as much as possible <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> -aspen, oak, pine, cherry, fir, spruce, and maple of medium to high stocking <u>Regen:</u> -also accept upland mixed deciduous cover type objective <u>Other</u> <u>Comment:</u> <u>Site Condition</u> <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
59 54061059-Cut	40.2	4130 - Aspen	Poletimber Well	57	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	No
<p><u>Prescription</u> -clearcut <u>Specs:</u> -leave all white pine, if present -include grouse timber sale specification, suggest mark to leave -leave 3-10% in area retention (already excluded- see site conditions layer) -protect Atlanta ATV trail in timber sale specifications</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -aspen, oak, pine, cherry, fir, spruce, and maple of medium to high stocking</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										
66 54061066-Cut	14.8	42110 - Planted Red Pine	Sawtimber Medium	79	81-110	Harvest	Overstory Removal	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
<p><u>Prescription</u> -overstory removal <u>Specs:</u> -leave all white pine not to exceed a cumulative residual BA of 10 (should not need to mark to leave) and 1-2 red pine per acre -leave 3-10% in area retention (already excluded- see site conditions layer) -cut into adj lowland as much as operationally possible -operations must try to avoid damaging all advanced regeneration as much as possible</p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -aspen, oak, pine, cherry, fir, spruce, and maple of low to high stocking -also accept mixed upland conifer cover type objective</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> <u>Proposed Start Date:</u> 10/1 /2024</p>										
68 54061068-Cut	49.5	429 - Mixed Upland Conifers	Poletimber Well	63	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	No
<p><u>Prescription</u> -clearcut <u>Specs:</u> -leave all white pine not to exceed a cumulative residual BA of 10 (should not need to mark to leave) -leave 3-10% in area retention (already excluded- see site conditions layer) -protect Atlanta ATV trail in timber sale specifications -operations must try to avoid damaging all advanced conifer regeneration as much as possible -require harvesting outside of winter (Dec 1.-April 15th) to encourage conifer regeneration through scarification</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -aspen, oak, pine, cherry, fir, spruce, and maple of medium to high stocking -also accept a mixed upland coniferous cover type objective</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> <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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70	54061070- Other	3.5	429 - Mixed Upland Conifers	Sapling Medium	3	Immature	Other	Other	429 - Mixed Upland Conifers	Even-Aged	No
----	--------------------	-----	--------------------------------	-------------------	---	----------	-------	-------	--------------------------------	-----------	----

Prescription -variance during 2025 YOE compartment review to approve upland mixed conifer cover type

Specs:

Next Step

Treatments:

Acceptable -fir, white pine, red maple, aspen, oak, spruce, and red pine of medium to high stocking

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

Total Treatment Acreage Proposed: 324.5

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 61
Year of Entry: 2025

Availability for Management

Total	Acres	Acres Avail	Acres
Acres	Available	With Condition	Not Available

Dominant Site Conditions

	Total Acres	Acres Available	Acres With Condition	Acres Not Available	Dominant Site Condition	Dominant Site Conditions							
						2I	5C	MC	2G	2H	3D	3J	5E
359	275		70	15	Aspen	38	31				0	1	14
200	4		0	195	Cedar			0	195				0
23	23		0	0	Herbaceous Openland				0				0
589	553		26	10	Jack Pine	26			0	2		3	5
7	7		0	0	Low-Density Trees								
37	2		0	34	Lowland Conifers				34				
23	23		0	0	Lowland Shrub				0			0	0
42	0		0	42	Lowland Spruce/Fir				41	0		1	0
6	4		0	2	Marsh				2			0	
104	26		65	13	Mixed Upland Deciduous	65			0			8	4
88	58		0	30	Natural Mixed Pines				1	9	1	14	5
13	0		13	0	Oak		13						
33	32		0	1	Red Pine			0					1
4	1		0	2	Treed Bog							2	
76	69		0	7	Upland Conifers			0	0				6
26	21		0	4	Upland Mixed Forest				0			4	
46	45		0	0	Water				0			0	0
1,674	1,144		174	356	Total Forested Acres	129	45	0	273	11	1	34	36
	68%		10%	21%	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	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Compartment: 61
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2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention from original parent stand. Also serves as a buffer along stream and lowland.							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	238	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention from original parent stands 28, 30, and 31							
6	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long-term retention for harvest in the stand to the east (formerly natural jack pine). Left for green up guidelines.							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
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Compartment: 61
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8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3D: Recreational / Scenic values	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -dispersed camping location close to lake							
10	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention that was left for stand 47							
11	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Believed to be intended as retention for harvest in the aspen cut in Twin Jack Aspen sale 5402015 closed July 2019.							
12	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 100 ft protection zone for lake and other water features							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 61
Year of Entry: 2025

15	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 71							
16	Unavailable	5E: Long-Term Retention	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 34 and lake protection							
17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Retention from original parent stand. Also serves as a buffer along stream and lowland.							

Report 4 – Site Conditions

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21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 23							
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments: -dispersed camping are close to the lake							
25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 33							

Report 4 – Site Conditions

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27	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 35							
28	Available	2I: Survey needed	26	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
29	Available	2I: Survey needed	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	2I: Survey needed	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Available	2I: Survey needed	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 18							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 61
Year of Entry: 2025

34	Unavailable	5E: Long-Term Retention	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 29							
35	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 66							
37	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: area retention for stand 48							
39	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 68							
40	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 59							

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 61
Year of Entry: 2025

41	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water 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	4130 - Aspen	Poletimber Well	4.1	38	1-50	N/A	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13, increased species canopy diameters by 1 inch			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Northern Pin Oak		5	Pole/Sapling	6		Pin Cherry		Medium	5 - 10 feet	Sapling
Bigtooth Aspen		78	Pole/Sapling	6	38	Jack Pine		Low	< 5 feet	Sapling
Red Maple		5	Pole/Sapling	4		Red Maple		Low	< 5 feet	Sapling
Quaking Aspen		10	Pole/Sapling	6		Northern Pin Oak		Medium	5 - 10 feet	Sapling
White Oak		2	Pole	6						
2	42120 - Planted Jack Pine	Poletimber Well	21.6	38	51-80	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Jack Pine		85	Pole/Sapling	6	38	Northern Pin Oak	Low	< 5 feet	Sapling	
Pin Cherry		5	Sapling	3						
Red Pine		5	Log	14						
Northern Pin Oak		5	Sapling	3						
3	42120 - Planted Jack Pine	Sapling Well	16.3	27	1-50	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Jack Pine		85	Sapling/Pole	4	27	White Oak	Low	Variable	Sapling	
Red Pine		2	Sapling/Pole	4		Northern Pin Oak	Low	Variable	Sapling	
Pin Cherry		3	Sapling/Pole	3						
Northern Pin Oak		10	Sapling/Pole	4						
4	42120 - Planted Jack Pine	Poletimber Well	3.5	48	51-80	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Jack Pine		80	Pole/Sapling	7	48	Red Pine	Low	< 5 feet	Sapling	
Red Pine		20	Log	13		Northern Pin Oak	Low	< 5 feet	Sapling	
5	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	87.3	14		N/A	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13, increased species canopy diameters by 1 inch jack pine is about 3 ft tall. oak and cherry are about 5-10 ft tall. pocket of aspen along west side of millersburg rd.			
Canopy Species		% Cover	Size Class	DBH	Age					
Pin Cherry		10	Sapling	2						
Jack Pine		75	Sapling	2	14					
Northern Pin Oak		13	Sapling	2						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
6	4199 - Other Mixed Upland Deciduous	Sawtimber Well	9.2	85	81-110	N/A	poor quality oak with a pocket of nice aspen and oak in SW part of stand. too small to call its own stand.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Red Pine	2	Log/Pole	12		Serviceberry (Juneberry)	Low	< 5 feet	Tall Shrub
	Bigtooth Aspen	25	Log/Pole	11		White Oak	Medium	5 - 10 feet	Sapling
	Red Oak	10	Log/Pole	10		Choke Cherry	Low	< 5 feet	Sapling
	Red Maple	12	Pole	7		Red Maple	Medium	5 - 10 feet	Sapling
	White Oak	2	Pole/Log	9		Witch Hazel	Low	< 5 feet	Tall Shrub
	Black/Red (Hybrid) Oak	40	Log/Pole	10	85				
	Jack Pine	9	Pole/Log	8					
7	4199 - Other Mixed Upland Deciduous	Poletimber Well	13.0	34	51-80	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Jack Pine	10	Sapling/Pole	4		Northern Pin Oak	Medium	Variable	Sapling
	Northern Pin Oak	40	Sapling/Pole	4	34	Serviceberry (Juneberry)	Medium	5 - 10 feet	Tall Shrub
	Red Maple	10	Sapling/Pole	4					
	Bigtooth Aspen	38	Sapling/Pole	4	34				
	White Oak	2	Sapling/Pole	3					
8	4131 - Aspen, Oak	Sapling Well	56.7	27	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	6	Sapling	3		Pin Cherry	Low	< 5 feet	Sapling
	Bigtooth Aspen	70	Sapling/Pole	4	27	Northern Pin Oak	Low	< 5 feet	Sapling
	Jack Pine	3	Sapling/Pole	4					
	Black/Red (Hybrid) Oak	21	Sapling/Pole	4					
9	42120 - Planted Jack Pine	Sapling Well	263.7	25	1-50	N/A			
	Canopy Species	% Cover	Size Class	DBH	Age				
	Pin Cherry	2	Sapling	2					
	Northern Pin Oak	5	Sapling	2					
	Jack Pine	93	Sapling	3	25				
10	4123 - Red Oak	Sawtimber Well	13.3	83	81-110	N/A	red maple and aspen removed in 2011		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	White Oak	5	Log/Pole	10		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
	Red Oak	90	Log/Pole	12	83	Pin Cherry	Low	5 - 10 feet	Sapling
	Northern Pin Oak	5	Log/Pole	11		Northern Pin Oak	Low	5 - 10 feet	Sapling
						Red Maple	High	5 - 10 feet	Sapling
						White Oak	Low	5 - 10 feet	Sapling
11	6224 - Treed Bog	Nonstocked	2.9	0		No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
12	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Medium	6.0	34	Unspecified	N/A	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13, increased species canopy diameters by 1 inch																																																		
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13	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	12.5	14	1-50	N/A	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13, increased species canopy diameters by 1 inch Most of the JP is about 3'-4' tall, oak and cherry are about 5-10' tall																																																		
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14	4130 - Aspen	Poletimber Well	2.3	34		N/A	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13, increased species canopy diameters by 1 inch																																																		
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15	6122 - Black Spruce	Poletimber Well	20.5	78	81-110	N/A																																																			
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16	4130 - Aspen	Sapling Well	25.2	15		N/A	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13, increased species canopy diameters by 1 inch																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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17 42121 - Planted Jack Pine, Mixed Deciduous Sapling Well 46.0 14 1-50 N/A -stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13, increased species canopy diameters by 1 inch trees are approx 3-4 ft tall

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	5	Sapling	2	
Northern Pin Oak	10	Sapling	2	
Jack Pine	80	Sapling	2	14
Pin Cherry	5	Sapling	2	

18 4131 - Aspen, Oak Sawtimber Well 39.7 85 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	3	Pole	9		White Pine	Low	Variable	Sapling
Red Maple	10	Pole	8		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Bigtooth Aspen	43	Log/Pole	11	85	Pin Cherry	Low	< 5 feet	Sapling
White Pine	2	XLog/Log	20		Red Maple	Medium	Variable	Sapling
Red Oak	30	Log/Pole	12					
Red Pine	2	XLog/Log	20					
Black/Red (Hybrid) Oak	10	Log/Pole	11					

19 4130 - Aspen Poletimber Well 7.4 47 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	3	Log	14		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Red Pine	3	Log/Pole	12		Red Maple	Medium	Variable	Sapling
Red Maple	7	Pole/Sapling	6		Balsam Fir	Low	Variable	Sapling
Bigtooth Aspen	85	Pole	7	47	Serviceberry (Juneberry)	Low	Variable	Tall Shrub
White Pine	2	Log	13					

20 4131 - Aspen, Oak Sapling Well 22.0 27 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern Pin Oak	18	Sapling	3		Northern Pin Oak	Low	< 5 feet	Sapling
Bigtooth Aspen	70	Sapling	3	27	Red Maple	Low	< 5 feet	Sapling
White Oak	2	Sapling	3		Serviceberry (Juneberry)	Low	5 - 10 feet	Tall Shrub
Red Maple	10	Sapling	3					

21 6229 - Mixed lowland shrub Nonstocked 6.0 No -stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
22	4311 - Pine, Aspen Mix	Poletimber Medium	10.8	55	51-80	N/A	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13 -this stand is a mix of many little stands that are too small to separate. looks as though they are parts of buffers/retention from the original surrounding stands.																																																						
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23	4131 - Aspen, Oak	Sawtimber Well	42.5	87	141-170	N/A	-very overstocked, ba is likely over 140 overall -weak oak crowns -at least vvb site																																																						
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24	3102 - Grass	Nonstocked	2.3			No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13 scattered jp and cherry																																																						
25	6229 - Mixed lowland shrub	Nonstocked	8.9			No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13																																																						
26	3303 - Mixed Low Density Trees	Nonstocked	5.1	0		No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13																																																						
27	6122 - Black Spruce	Poletimber Well	5.3	73	81-110	N/A	transitional, mostly soils that are saturated year long																																																						
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28	42120 - Planted Jack Pine	Sapling Well	9.3	14	1-50	N/A	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13, increased species canopy diameters by 1 inch																																																						
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30	42220 - Natural Jack Pine	Sapling Poor	6.5	20	Unspecified	N/A	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13																																																											
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32	500 - Water	Nonstocked	29.2			No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13, increased species canopy diameters by 1 inch grassy marsh with standing water. surrounded by willow and dogwood brush																																																											
33	4199 - Other Mixed Upland Deciduous	Sawtimber Well	28.5	88	81-110	N/A																																																												
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35	42220 - Natural Jack Pine	Poletimber Well	28.0	63	51-80	N/A	mostly pole size with pockets of open areas and saplings																																																											
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36	42220 - Natural Jack Pine	Sapling Well	14.2	14	1-50	N/A																																														
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37	6229 - Mixed lowland shrub	Nonstocked	2.5			No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13																																													
38	3102 - Grass	Nonstocked	1.7			No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13 scattered jp																																													
39	42220 - Natural Jack Pine	Sapling Medium	6.1	14	1-50	N/A																																														
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40	42220 - Natural Jack Pine	Sapling Medium	29.4	6	Immature	N/A	-Variance approved to drop trenching and accept current regeneration (08/20/2019). -conducted walkthrough survey on 3/16/23 and stand has regenerated to medium to fully stocked jack pine with oak																																													
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41	42290 - Natural Mixed Pine	Poletimber Well	5.0	40	81-110	N/A																																														
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42	6120 - Lowland Cedar	Poletimber Well	190.2	110	141-170	N/A																																																																				
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43	42290 - Natural Mixed Pine	Sawtimber Well	9.2	106	51-80	N/A	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13, increased species canopy diameters by 1 inch Island of mixed pine in the middle of cedar/tag alder stand. No access to this stand.																																																																			
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44	6223 - Inundated Shrub Swamp	Nonstocked	3.0			No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13 mostly dogwood, tag alder and scattered trees																																																																			
45	500 - Water	Nonstocked	16.4			No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13																																																																			
46	4130 - Aspen	Poletimber Medium	18.8	37	1-50	N/A	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13, increased species canopy diameters by 1 inch																																																																			
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47	4130 - Aspen	Sapling Medium	18.7	6	Immature	N/A	Stand cut in "Twin Jack Aspen", sale 540201501.																																																																			
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48	429 - Mixed Upland Conifers	Poletimber Well	18.6	63	81-110	N/A	-very diverse composition and structure-ba is lower than typical -some jp mortality																																																																
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50	3102 - Grass	Nonstocked	6.3			No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13																																																																
52	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	20.0	27	1-50	N/A	-rows with trenches on south end -3rd live crown -counted 22 rings at dbh -no planting record off card in office																																																																
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53	3102 - Grass	Nonstocked	3.0			No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13 grass, bracken, and scattered cherry																																																																
54	623 - Emergent Wetland	Nonstocked	2.1	0	Unspecified	No																																																																	
55	3102 - Grass	Nonstocked	1.7			No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13																																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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56 6129 - Mixed Coniferous Lowland Forest Sawtimber Medium 15.5 105 51-80 N/A - semi-open canopy, too wet-may have partially -cut through some of stand 26 years ago with east treatment

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	30	XLog/Log	18	105	Balsam Fir	Medium	Variable	Sapling
Black Spruce	20	Pole	6		Black Spruce	Medium	Variable	Sapling
Red Pine	5	XLog/Log	20		White Pine	Low	Variable	Sapling
Red Maple	10	Log/Pole	12		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	20	Log/Pole	11		Red Maple	Medium	Variable	Sapling
Balsam Fir	15	Pole	5					

57 4191 - Mixed Upland Deciduous with Conifer Sawtimber Well 4.2 95 81-110 N/A Per inventory staff Michaud:

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Pole/Log	8		Red Pine	Trace	Variable	Sapling
Red Oak	40	XLog/Log	18	95	Red Oak	Trace	Variable	Sapling
Bigtooth Aspen	5	XLog/Log	19		Balsam Fir	Trace	Variable	Sapling
White Pine	5	Log/Pole	13		Red Maple	Low	Variable	Sapling
White Oak	5	Pole/Log	9		White Pine	Medium	Variable	Sapling
Balsam Fir	2	Pole	5					
Black/Red (Hybrid) Oak	10	Pole/Log	9					

-oak are healthy
-understory is wide open
-stand is on an upland ridge
-aspen pocket in sw portion of stand

58 6129 - Mixed Coniferous Lowland Forest Poletimber Well 4.2 110 81-110 N/A Per inventory staff Michaud:

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	5	Log	15		Red Maple	Low	Variable	Sapling
Northern White Cedar	30	Pole	7	110	White Pine	Low	Variable	Sapling
Red Maple	5	Pole	7		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	12	Pole	5		Tag Alder	Low	5 - 10 feet	Tall Shrub
White Pine	20	XLog	29					
Black Spruce	25	Pole	7	63				
Paper Birch	3	Pole	6					

-wet drainage throughout stand
-white pine legacy trees are common
-no cedar regeneration

59 4130 - Aspen Poletimber Well 44.0 57 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	2	Pole	5		Black/Red (Hybrid) Oak	Low	Variable	Sapling
Red Maple	10	Pole	7		Balsam Fir	Low	Variable	Sapling
Quaking Aspen	30	Pole/Log	8		Serviceberry (Juneberry)	Low	Variable	Tall Shrub
Bigtooth Aspen	43	Pole/Log	8	57	Red Maple	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	10	Log	14					
Balsam Fir	5	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
60	42220 - Natural Jack Pine	Poletimber Well	3.1	52	81-110	N/A																																																										
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61	42110 - Planted Red Pine	Poletimber Well	18.3	39	111-140	N/A	-live crown average is 50% -1961 planting record 5 acres? Much younger than record, no other record.																																																									
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63	4139 - Aspen, Mixed Deciduous	Poletimber Well	17.5	50	81-110	N/A	scattered aspen clones and jack pine pockets																																																									
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64	4131 - Aspen, Oak	Sapling Well	13.3	25	1-50	N/A																																																										
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66	42110 - Planted Red Pine	Sawtimber Medium	14.8	79	81-110	N/A	stand has been thinned numerous times. open canopy trees are free to grow																																																																
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67	6120 - Lowland Cedar	Poletimber Well	6.6	115	81-110	N/A																																																																	
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69	4131 - Aspen, Oak	Poletimber Well	15.0	50	81-110	N/A	-more pole oak in south half																																																																
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70	429 - Mixed Upland Conifers	Sapling Medium	3.5	3	Immature	N/A	-conducted walk-through regeneration survey on 3/21/23 during low snow conditions -stand has regenerated to moderate stocking of fir, wp, red maple, and red pine -extreme browse on red maple and oak did not regenerate well at all -most fir present was protected from damage during harvest operations -other mixed upland deciduous cover type objective comprised of oak, hardwoods, and aspen failed -variance during 2025 YOY compartment review to approve upland mixed conifer cover type																																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
71	4130 - Aspen	Sapling Medium	12.8	7	Immature	N/A	Cut 2016, Unsourced Aspen, 54-029-13-01.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		20	Sapling	1		Pin Cherry	
Bigtooth Aspen		25	Sapling	1	7	White Pine	
White Pine		3	Log/XLog	14			
Red Pine		2	XLog/Log	20			
Quaking Aspen		50	Sapling	1	7		
72	4136 - Aspen, Mixed Conifer	Sapling Well	19.1	4	Immature	N/A	Acceptable regen is high density stand of aspen with a component of mixed pine and oak.-conducted walk-through regeneration survey on 3/20/23-stand has successfully regenerated to the aspen cover type objective with moderate to high stocking of aspen, red maple, and jack pine
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Jack Pine		15	Sapling	1			
Red Maple		10	Sapling	1			
Black Cherry		5	Sapling	1			
Quaking Aspen		65	Sapling	1	4		
Balsam Fir		5	Sapling	1			
73	6127 - Lowland Pine	Sawtimber Well	1.5	83	141-170	N/A	-high density odd little lowland kettle white pine stand
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		10	Log/XLog	16		Red Maple	
White Pine		90	Log/XLog	16	83	White Pine	
74	6122 - Black Spruce	Poletimber Well	16.4	68	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		10	Log/Pole	13		Black Spruce	
Paper Birch		5	Pole/Log	8		Red Maple	
Black Spruce		60	Pole	7	68	Balsam Fir	
Northern White Cedar		25	Pole/Log	9		Tag Alder	
75	6120 - Lowland Cedar	Sawtimber Well	2.7	122	141-170	N/A	not too wet
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		25	Log/XLog	17		Red Maple	
Northern White Cedar		65	Log/Pole	12	122	White Pine	
Paper Birch		5	Pole/Log	9			
Black Spruce		5	Pole	8			
76	6239 - Mixed Emergent Wetland	Nonstocked	1.5	0		No	-stand not visited during YOE 2025 field inventory
77	6224 - Treed Bog	Nonstocked	0.9	0		No	-stand not visited during YOE 2025 field inventory



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78	42121 - Planted Jack Pine, Mixed Deciduous	Poletimber Well	9.2	50	51-80	N/A	-cored multiple trees to get 50 yr average, older than red pine to the east, seems odd for such a small area -jp in planted row to sw -1961 planting record 5 acres																																																																
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79	623 - Emergent Wetland	Nonstocked	2.3			No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13																																																																
80	4319 - Mixed Upland Forest	Poletimber Well	15.0	57	81-110	N/A	-species rich -south half is wetter ground and transitional with more spruce and red maple																																																																
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81	42290 - Natural Mixed Pine	Poletimber Well	33.6	61	81-110	N/A	-red pine planting record for 1961 -majority of cover is natural origin																																																																
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85	622 - Lowland Shrub	Nonstocked	1.6			No	mostly dogwood, tag alder and scattered trees																																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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86	622 - Lowland Shrub	Nonstocked	1.3			No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13
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87	330 - Low-Density Trees	Nonstocked	1.6	0		No	-stand not visited during YOE 2025 field inventory, original field survey done fall-winter 2012-13, increased species canopy diameters by 1 inch
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89	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	15.3	110	81-110	N/A	-transitional stand, seasonal drainageway, no stream-very mixed composition
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	25	Pole/Log	9	110	Red Maple	Medium	Variable	Sapling
Red Oak	2	Pole	7		Black Spruce	Low	< 5 feet	Sapling
Red Pine	5	Log/XLog	16		Tag Alder	Medium	Variable	Tall Shrub
Balsam Fir	14	Pole/Log	9		Balsam Fir	High	Variable	Sapling
White Pine	10	XLog/Log	22					
Black Spruce	10	Pole	6					
Red Maple	21	Pole/Log	8					
Quaking Aspen	10	Log/Pole	10					
Paper Birch	3	Pole	8					

90	42290 - Natural Mixed Pine	Poletimber Well	4.0	71	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	10	Pole/Sapling	6		Northern Pin Oak	Low	< 5 feet	Sapling
White Pine	30	Pole/Log	9					
Northern Pin Oak	5	Log/Pole	11					
Jack Pine	55	Pole/Log	9	71				

91	42220 - Natural Jack Pine	Poletimber Well	6.2	73	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	100	Pole	8	73	Black/Red (Hybrid) Oak	Low	Variable	Sapling
					Pin Cherry	Low	Variable	Sapling