



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54110

Entry Year 2025

Acreage: 1,377

County Alpena

Management Area: Huron Sandy Lake Plain

Stand Examiner: Dale Parris

Legal Description:

T32N R06E Sections 1, 12, and 13; T32N R07E Section 7

Identified Planning Goals:

All harvests have been prescribed following the direction indicated in the Huron Sandy Lake Plain Management Area (HSLPMA) Plan and Timber Analysis. In all cases the unique characteristics of the individual stand was taken into consideration when writing the prescription. For the purpose of balancing the age class acre distributions of covertypes across the Management Area (MA), forest management during the 2025 YOE in the HSLPMA will focus on the major covertypes for the individual compartments. Wildlife, recreation, aesthetics, adjacent stands, and the larger landscape were considered in all management decisions.

Soil and topography:

The overall topography in Compartment 110 is flat with some higher ridges at the south end. The drainage of the soil, as a whole, is poor. The most prevalent lowest lowland soils by acres are poorly drained Deford muck and the very poorly drained Cathro muck. These areas are generally un-harvestable/non-productive forest land. Slightly more upland but still lowland soils in nature due to elevation and poor drainage, are the somewhat poorly drained Tacoda-Wakeley Complex and Au Gres-Deford Complex. The well drained Rousseau fine sand can be found in the higher ground ridges at the south end of the compartment.

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

Compartment 110 is bordered by additional state land to the west and to the south. The land to the east and north of the compartment is mainly large parcel recreational properties and farmland, with some residential properties also present.

Unique Natural Features:

The Michigan Natural Features Inventory (MNFI) at the Michigan State University Extension website had record of 1 species historically being in or near Compartment 110 that requires consideration when implementing forest management strategies. This species is the Blanding's Turtle (*Emydoidea blandingii*; a state special concern species). A search of the Natural Heritage Database indicated the presence of vernal ponds within the compartment.

Archeological, Historical, and Cultural Features:

The State Historic Preservation Office (SHPO) did not have any known areas of concern within Compartment 110.

Special Management Designations or Considerations:

The Michigan Natural Features Inventory (MNFI) at the Michigan State University Extension website had record of 1 species historically being in or near Compartment 110 that requires consideration when implementing forest management strategies. This species is the Blanding's Turtle (*Emydoidea blandingii*; a state special concern species). A search of the Natural Heritage Database indicated the presence of vernal ponds within the compartment. Vernal ponds are to be protected following best management practices during all forest management activities.

Watershed and Fisheries Considerations:

Necessary measures will need to be taken to protect the North Branch of the Thunder Bay River and its tributaries during all management activities.

Wildlife Habitat Considerations:

Featured species within this compartment include ruffed grouse, snowshoe hare, American woodcock, and black bear. There is good potential for red shouldered hawk and goshawk as well. Any treatments should protect stick nests as appropriate. Most uplands in this compartment are ridges with little potential for developing or maintaining openings. This has historically been the case. Wildlife benefits will come from maintaining a mix of young forest with older stands for variation in habitat types.

Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel pit is several miles away. There may be some potential for sand & gravel within the compartment, but most of the compartment is low and wet, which would inhibit surface mining. Bedrock limestone is near

the surface here, but as noted above, wetlands could inhibit any surface mining, as well as the distance from markets and ports. The nearest oil & gas production, past or present, is several miles away. No known potential exists for oil & gas from any known producing formations. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

The main vehicle access to Compartment 110 is from the forest road/seasonal snowmobile trail connecting Graham Road to the south to Wikaryasz Road to the northeast. A forest trail commonly called "The Christmas Tree Truck Trail" runs east from the connector trail, traveling the width of the compartment, and ending up at the southeast end of the compartment at a power line opening.

Survey Needs:

For the purpose of conducting timber sales and maintaining legal private/state land boundary posting locations, there may be a need for property line surveys within Compartment 110. Further investigation will be needed to determine the extent to which these surveys are required.

Recreational Facilities and Opportunities:

Rabbit/hare, grouse, woodcock, whitetail deer, turkey, and bear hunting opportunities are available within Compartment 110 in season with a valid license. Wildlife viewing opportunities are also present. All regulations set forth by the Michigan Department of Natural Resources are to be adhered to by hunters.

The LP 464 Snowmobile Trail runs east-west through the northern third of the compartment and is generally groomed and used by snowmobile traffic from December 1 through March 31.

Fire Protection:

In the case of wildland fire, Compartment 110 is within the response area of the Alpena DNR Fire Taskforce/Atlanta Forest Management Unit. Township fire response to T32N R06E, the majority of the compartment, is from the Long Rapids Township Fire Department with response to T32N R07E being from the Maple Ridge Township Fire Department. Response to a fire in Compartment 110 would likely be from both of the aforementioned volunteer fire departments.

The Alpena DNR Fire Task Force is within 12-17 miles of the compartment and typically would be able to be on scene within 20 to 30 minutes after being dispatched. The Long Rapids and Maple Ridge Township Fire Departments are within close range of Compartment 110, typically making their response times quicker than that of the Alpena DNR Task Force.

The majority of this compartment is lowland and has potential for more extreme fires within extended periods of drought. Water resources are available but difficult to access with poorly drained soils.

Additional Compartment Information:

The following reports from the Inventory are attached:

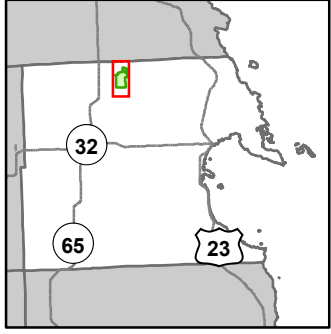
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

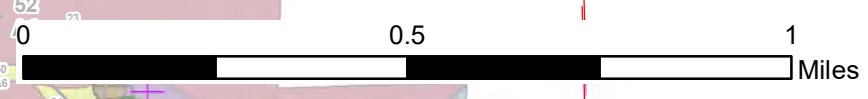
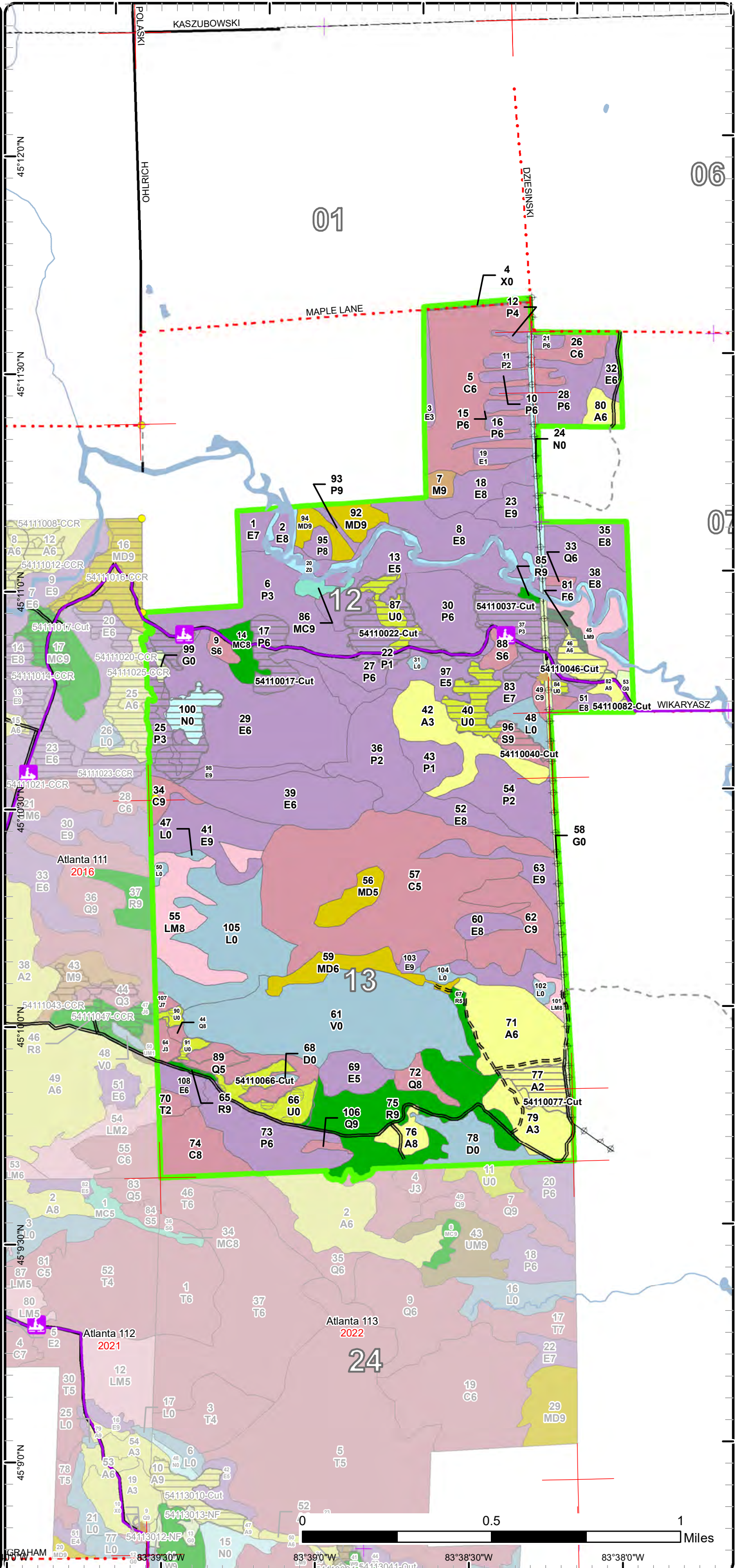
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 110
 T32N, R06E, Sec. 12-13
 T32N, R07E, Sec. 7
 County: Alpena
 Unit: Atlanta
 Mgmt Area: Huron Sandy Lake Plain
 YOE: 2025
 Acres: 1377 GIS Calculated
 Examiner: Dale Parris
 Map Revised: 6/12/2023
 Map Phase: Review



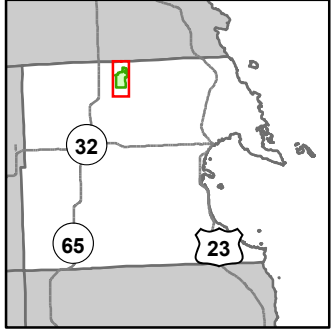
- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- - - Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- · - · County - Gravel Road
- - - Private - Dirt / Gravel Road
- 🚙 Snowmobile Trails
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- ⊕ Powerline
- ▭ Compartment Boundary
- ▭ Clearcut (w/Reserves)
- ▭ Patch/Strip Cut (Femelschlag)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland



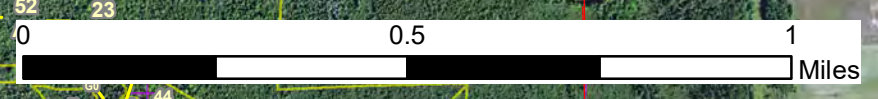
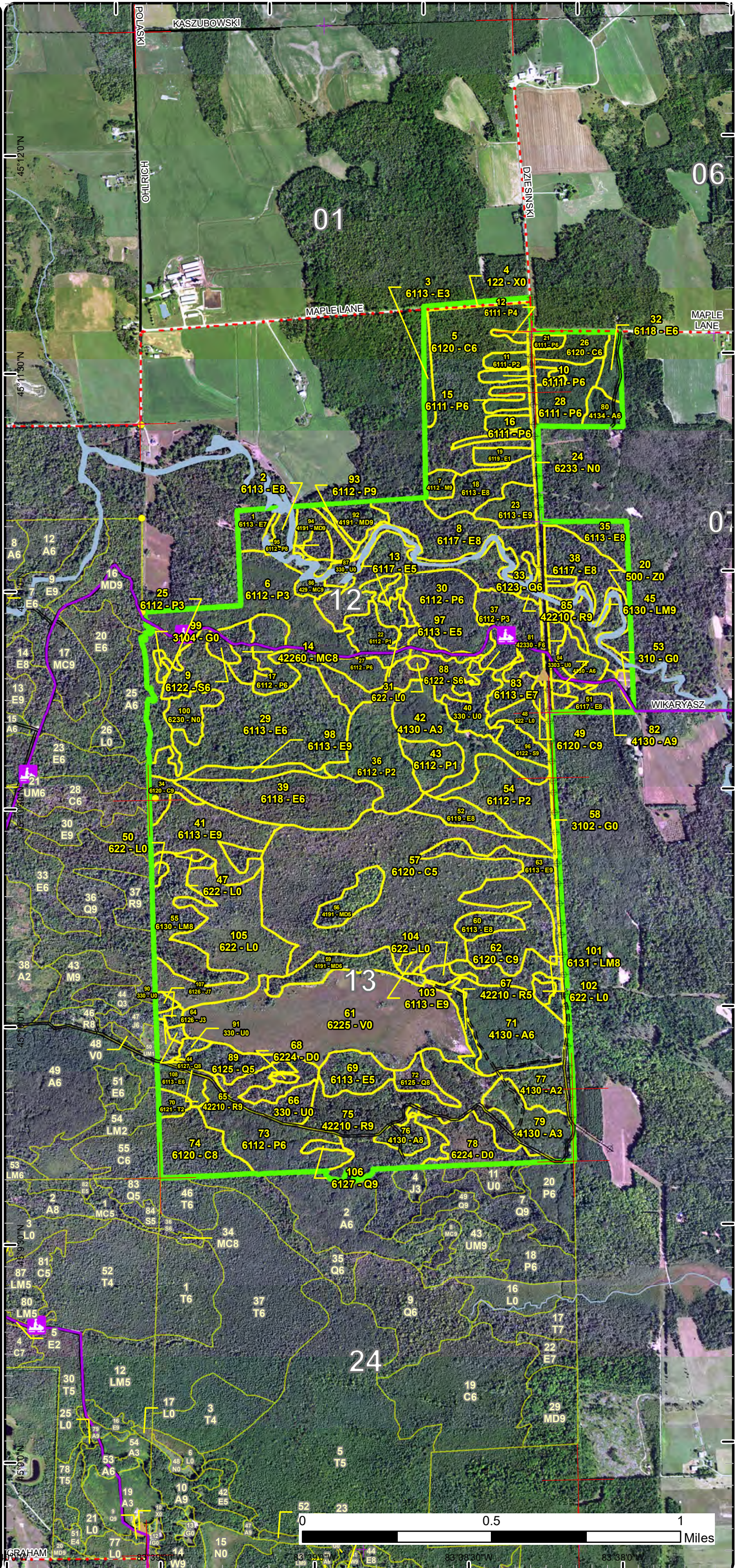
83°39'0"W 83°39'30"W 83°38'30"W 83°38'0"W
 45°12'0"N 45°11'30"N 45°11'0"N 45°10'30"N 45°10'0"N 45°9'30"N 45°9'0"N

Stand Boundary Map

Compartment: 110
 T32N, R06E, Sec. 12-13
 T32N, R07E, Sec. 7
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 Unit: Atlanta
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 YOE: 2025
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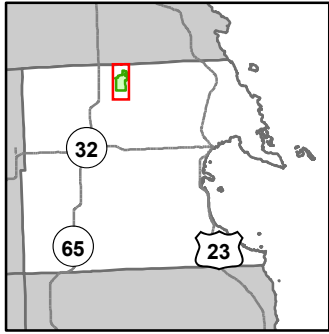


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- == DNR - Secondary Forest Road
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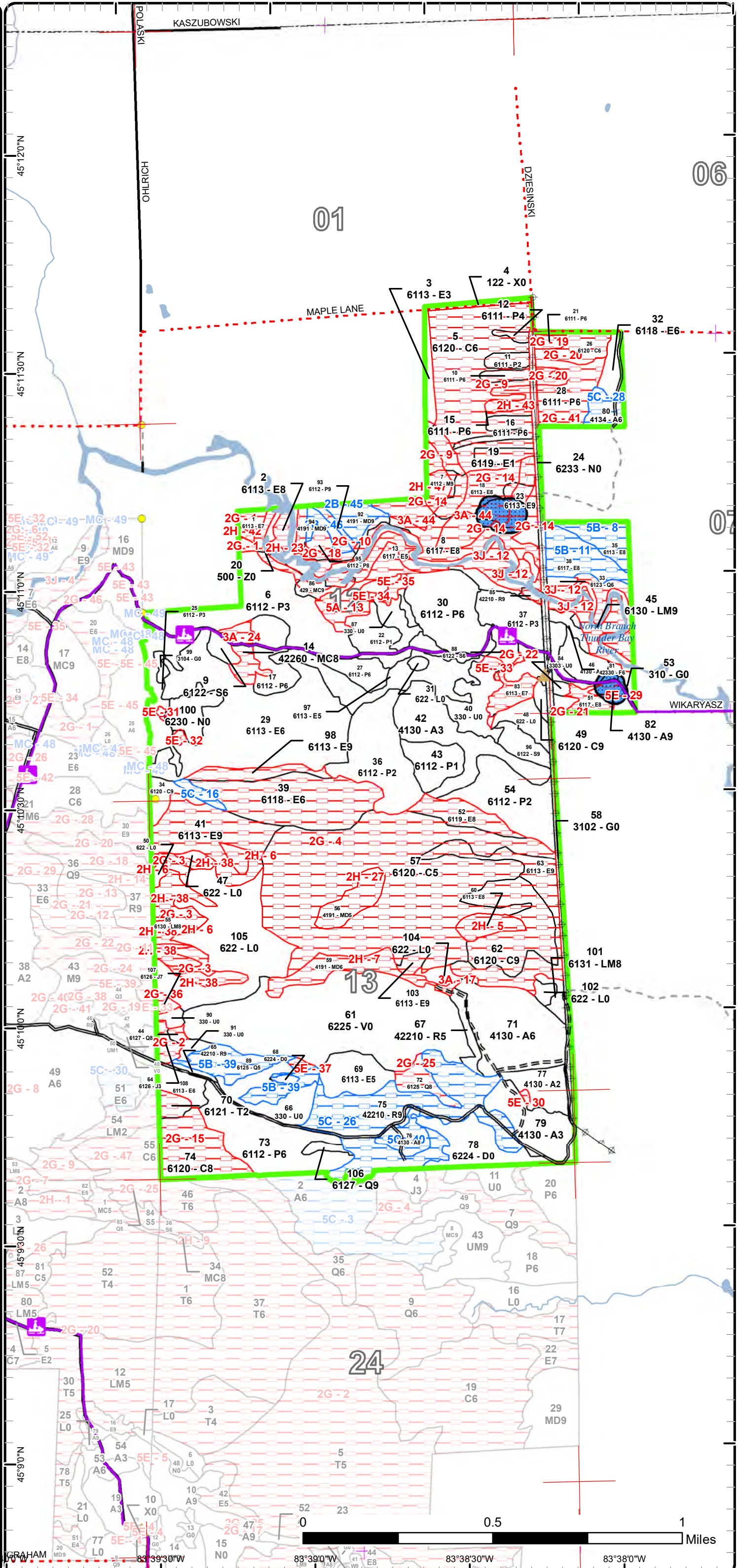


Special Conservation Areas

Compartment: 110
 T32N, R06E, Sec. 12-13
 T32N, R07E, Sec. 7
 County: Alpena
 Unit: Atlanta
 Mgmt Area: Huron Sandy Lake Plain
 Plain
 YOE: 2025
 Acres: 1377 GIS Calculated
 Examiner: Dale Parris
 Map Revised: 6/12/2023
 Map Phase: Review



- Miris Corners
- + Remonumented Section Corners
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- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- Powerline
- Compartment Boundary
- Available w/ Constraints
- 5B: Maintain for regeneration purposes
- 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)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Riparian 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	10	17	56	0	5	7	0	0	10	0	0	0	0	0	0	0	0	104
Bog	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	84
Cedar	0	0	0	0	0	0	0	0	0	0	0	127	91	19	0	0	0	0	237
Herbaceous Openland	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Jack Pine	0	0	3	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	5
Low-Density Trees	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Lowland Aspen/Balsam Poplar	0	48	0	98	19	72	8	0	0	0	3	2	0	0	0	0	0	0	250
Lowland Conifers	0	0	0	0	0	1	0	0	0	22	2	0	0	0	0	0	0	0	25
Lowland Deciduous	0	0	0	8	0	127	19	0	9	7	71	108	0	0	0	0	0	0	347
Lowland Mixed Forest	0	0	0	0	0	0	9	0	0	0	27	3	0	0	0	0	0	0	39
Lowland Shrub	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58
Lowland Spruce/Fir	0	0	0	0	0	0	0	6	0	5	3	0	0	0	0	0	0	0	13
Marsh	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	21	6	7	0	0	0	0	0	0	34
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	6
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3
Red Pine	0	0	0	4	0	0	0	0	0	52	1	0	0	0	0	0	0	0	57
Tamarack	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Treed Bog	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Upland Spruce/Fir	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Urban	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Water	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Total	248	58	20	169	19	205	45	6	9	119	113	250	91	19	7	0	0	3	1375



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 110

Year of Entry: 2025

Acres of Harvest

Total Compartment Acres: 1,377

Commercial Harvest - 137
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	17	0	0	0	0	0	0	0	0	17
Low-Density Trees	15	0	19	0	0	0	0	0	0	35
Lowland Aspen/Balsam Poplar	83	0	0	0	0	0	0	0	0	83
Upland Spruce/Fir	2	0	0	0	0	0	0	0	0	2
Total	118	0	19	0	0	0	0	0	0	137

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	137	0	0	0	0	0	0	0	0	137
Next Step	0	0	0	0	0	0	137	0	0	137
Total	137	0	0	0	0	0	137	0	0	274



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

Proposed Treatments:

17	54110017-Cut	11.1	6112 - Lowland Aspen	Poletimber Well	48	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
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Prescription Clear-cut with retention.
Specs:
 Include proper grouse spec.
 Include specs to protect the snowmobile trail and its users.
 Protect the scarce remnant pine and any scarce pine advanced regeneration to promote future stand diversity.
Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:
Acceptable Regen: Acceptable regeneration is any medium to well stocked mix of aspen, red maple, and/or pine.
Other Comment: The landing may need to be in the remnant pine stand to the west. Protect this stand during harvest operations. Refrain from extending the harvest into the remnant pine stand immediately adjacent to the west.
 Do not push the harvest into the stand to the south to harvest a few large rotten aspen. This will damage the red maple understory.
Site Condition
Proposed Start Date: 10/1 /2024

46	54110046-Cut	6.4	4130 - Aspen	Poletimber Well	51	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clear-cut.
Specs:
 Include the proper grouse spec.
 Include specs to protect the snowmobile trail and its users.
Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:
Acceptable Regen: Acceptable regeneration is any low to well stocked mix of aspen, balsam fir, red maple, and/or paper birch.
Other Comment:
Site Condition
Proposed Start Date: 10/1 /2024

81	54110081-Cut	2.4	42330 - Upland Fir	Poletimber Well	55	81-110	Harvest	Clearcut	4134 - Aspen, Spruce/Fir	Even-Aged	No
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Prescription Clear-cut.
Specs:
 Include the proper grouse spec.
 Include specs to protect the snowmobile trail and its users.
Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:
Acceptable Regen: Acceptable regeneration is any low to well stocked mix of aspen, balsam fir, red maple, and/or paper birch.
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
82 54110082-Cut	1.5	4130 - Aspen	Sawtimber Well	85	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut.</p> <p><u>Specs:</u></p> <ul style="list-style-type: none"> Include the proper grouse spec. Include specs to protect the snowmobile trail and its users. Follow BMP's for protecting the vernal pool in the center of Stand 82. <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Acceptable regeneration is any low to well stocked mix of aspen, balsam fir, red maple, and/or paper birch.</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:

22 54110022-Cut	22.2	6112 - Lowland Aspen	Sapling Poor	5	Immatu re	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription</u> -clearcut</p> <p><u>Specs:</u></p> <ul style="list-style-type: none"> -leave all wp, cedar, and rp -retention/exclusion pockets for excessively wet pocket to N and area S of snowmobile trail already excluded from treatment boundary (see treatment layer) -winter cut only and protect snowmobile trail in specs -grouse spec -add spec not to haul on weekends unless permission is granted by unit manager during snowmobile season <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -regen survey in 3-5 yrs -acceptable regeneration is aspen, rm, and lowland conifer of moderate to high stocking</p> <p><u>Other Comment:</u> -good landing location within SW corner of stand adjacent to P3 stand 6 Old next step comments: -regen survey in 3-5 yrs -acceptable regeneration is aspen, rm, and lowland conifer of moderate to high stocking</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</p>										
25 54110025-Cut	27.6	6112 - Lowland Aspen	Sapling Well	3	Immatu re	Harvest	Clearcut with Retention	6130 - Fir, Aspen, Maple	Even-Aged	No
<p><u>Prescription</u> -clearcut</p> <p><u>Specs:</u></p> <ul style="list-style-type: none"> -leave all wp, cedar, and rp -3-7% retention pocket(s) (leave around excessively wet areas that may have a harder time regenerating (E to SE half)) -keep excluded drainage to NW corner out of treatment (see treatment layer) -protect wp over 26 in in specs -require harvesting outside of Spring and protect snowmobile trail in specs -grouse spec -add spec not to haul on weekends unless permission is granted by unit manager during snowmobile season <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -regen survey in 3-5 years -acceptable regen is aspen, rm, ash, and lowland conifer of medium to high stocking</p> <p><u>Other Comment:</u> -access two-track S needs temporary crossing for intermittent drainageway (see OFS) Old next step comments: -regen survey in 3-5 years -acceptable regen is aspen, rm, ash, and lowland conifer of medium to high stocking</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</p>										



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
37	54110037-Cut	21.7	6112 - Lowland Aspen	Sapling Well	5	Immature	Harvest	Clearcut with Retention	6130 - Fir, Aspen, Maple	Even-Aged	No
<p><u>Prescription</u> -clearcut (partial stand harvest- see treatment layer)</p> <p><u>Specs:</u> -leave all rp and wp -no area retention necessary (excluded stream buffer, vernal pond, and drop-off area south of closed two-track satisfies this requirement) -harvest outside of Spring and protect snowmobile trail in specs -grouse spec -add spec not to haul on weekends unless permission is granted by unit manager during snowmobile season</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -regen survey in 3-5 yrs -acceptable regen is aspen, rm, bf and ash of medium to high stocking</p> <p><u>Other Comment:</u> -recommend using powerline opening for landing area to N -if producer chooses to create an additional landing for S, closed NE-SW two-track holes will need leveling and fill Old next step comments: regen survey in 3-5 yrs -acceptable regen is aspen, rm, bf and ash of medium to high stocking</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</p>											
40	54110040-Cut	15.4	330 - Low-Density Trees	Nonstocked	0		Harvest	Clearcut with Retention	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> -clearcut (partial stand treatment- see trmt layer)</p> <p><u>Specs:</u> -cut all trees and leave 30-50 ba rp and wp in clumps and/or scattered individuals when opportunity presents itself -include treatment with adjacent clearcut to east -harvest outside of Spring -add spec not to haul on weekends unless permission is granted by unit manager during snowmobile season</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> -regen survey in 3-5 yrs -acceptable regen is bs, bf, rm, aspen, ash, rp, and wp of medium to high stocking</p> <p><u>Other Comment:</u> -access two-track heading NE-SW needs fill and/or culverts, if used -wp & rp more common to S half of treatment Old next step comments: -regen survey in 3-5 yrs -acceptable regen is bs, bf, rm, aspen, ash, rp, and wp of medium to high stocking</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</p>											
66	54110066-Cut	19.2	330 - Low-Density Trees	Nonstocked		Immature	Harvest	Strip/Patch/Gap Cut (Femelschlag)	6125 - Lowland Black Spruce, Jack Pine	Uneven-Aged	No
<p><u>Prescription</u> -strip clearcut</p> <p><u>Specs:</u> -leave equally spaced 3 chain wide strips orienting NE-SW to help with seeding stand and improving drainage (see treatment layer) -leave all, depending on abundance, RP and WP (if some/all blow over that is ok) -no other retention necessary besides lowland nf inclusion exclusion -harvest outside of Spring -leave at least 1 brush pile per 1-2 acres in specs (WLD) -add spec not to haul on weekends unless permission is granted by unit manager during snowmobile season</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> acceptable regen is jp, wp, rp, bs, bf, and aspen of medium to high stocking -scarify and/or furrow seed stand to jack pine and black spruce mix if natural regeneration is inadequate</p> <p><u>Other Comment:</u> -better regeneration success within areas of slightly higher terrain from previous adjacent clearcut to west, stand 64, cut in winter of 2009 Old next step comments: -regen survey in 3 years -acceptable regen is jp, wp, rp, bs, bf, and aspen of medium to high stocking -scarify and/or furrow seed stand to jack pine and black spruce mix if natural regeneration is inadequate</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</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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77	54110077-Cut	9.4	4130 - Aspen	Sapling Medium	1	Immature	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> -clearcut</p> <p><u>Specs:</u> -leave retention pockets (3-7%) around areas heavier to birch to sw -harvest outside of Spring due to two-track access rutting -grouse spec -add spec not to haul on weekends unless permission is granted by unit manager during snowmobile season</p> <p><u>Next Step</u> Monitoring, Artificial Regen(3yr)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> acceptable regeneration is aspen, sm, rm, bf, and birch of medium to high stocking</p> <p><u>Regen:</u></p> <p><u>Other</u> -aspen is too dominant to manage for n hardwood Old next step comments: -regen survey in 3-5 yrs</p> <p><u>Comment:</u> -acceptable regeneration is aspen, sm, rm, bf, and birch of medium to high stocking</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2014</p>											

Total Treatment 136.9
Acreage Proposed:

Report 4 – Site Conditions

Atlanta Mgt. Unit
Dale Parris : Examiner

Compartment: 110
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Available With Condition	Acres Not Available
1,377	702	109	566
	51%	8%	41%

Dominant Site Conditions

	Total Acres	Acres Available	Acres Available With Condition	Acres Not Available	Dominant Site Condition	Dominant Site Conditions											
						2B	5B	5C	2G	2H	3A	3J	5A	5E			
104	90	11	2		Aspen			11									2
84	84	0	0		Bog												
237	8	0	229		Cedar				226	0		3					
15	15	0	0		Herbaceous Openland							0					0
5	0	0	5		Jack Pine				5								
35	34	0	0		Low-Density Trees												0
249	211	0	38		Lowland Aspen/Balsam Poplar				32	4		3					0
25	3	15	8		Lowland Conifers		15		7								1
349	119	23	207		Lowland Deciduous		21	2	127	9	11	46	11				3
39	4	0	36		Lowland Mixed Forest				11	16		8					
58	58	0	0		Lowland Shrub				0	0							
13	12	0	1		Lowland Spruce/Fir												1
15	15	0	0		Marsh												0
34	0	9	24		Mixed Upland Deciduous	9				20	1	3					
6	0	0	7		Natural Mixed Pines						7						
3	0	0	3		Northern Hardwood					3		1					
56	5	50	1		Red Pine			50				1					
3	0	0	3		Tamarack				3								
16	16	0	0		Treed Bog												
3	2	0	1		Upland Conifers							1					
2	2	0	0		Upland Spruce/Fir							0					
2	2	0	0		Urban												
21	20	0	0		Water							0					
1,377	702	109	566		Total Forested Acres	9	36	64	410	52	18	67	11				8
	51%	8%	41%		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	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	244	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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7	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5B: Maintain for regeneration purposes	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 2015 YOE Inventory Notes: -canopy is falling apart and now only constitutes 25-50% coverage -BA is under 50 overall, half of aspen is dead, subcanopy regrowth is significant due to overstory decline							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	65	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is a lowland drainage.							
11	Available	5B: Maintain for regeneration purposes	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 2015 YOE Inventory Notes: -significant amount of conifer would be damaged that is now coming in well under aspen that is in very poor condition and barely alive							

Report 4 – Site Conditions

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12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	67	2G: Too wet (sensitive soils, does not include access issues)	3L: Other wildlife concerns	Unspecified	Unspecified
Comments: 2015 YOE Inventory Notes:-Minimum 100ft buffer distance for stream and lake protection with 0% slope-Selection or thinning may be allowed but no clearcutting-other wildlife concern is for vernal pool and amphibians							
13	Unavailable	5A: Not able to obtain desirable regeneration	11	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: -standing water throughout whole stand approx. 60-80% coverage-harvesting would put stand at risk in becoming non-forested and/or cause significant rutting near/adjacent to riparian area and stream							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: -other wildlife concern is for vernal pool and amphibians							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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17	Unavailable	3A: Conservation Values incompatible with harvest at this time	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments: -deer browse and lack of regeneration technology							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments: -significantly wet, overstory falling apart with saps coming in							

Report 4 – Site Conditions

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22	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	5A: Not able to obtain desirable regeneration	2F: Too steep	Unspecified	Unspecified
Comments: -thick alder under scattered aspen and drop-off S of two-track							
23	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	2G: Too wet (sensitive soils, does not include access issues)	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments:							
24	Unavailable	3A: Conservation Values incompatible with harvest at this time	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is an old remnant natural red pine stand.							
25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	50	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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27	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
28	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
29	Unavailable	5E: Long-Term Retention	2	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: -other wildlife concern is for vernal pool and amphibians -area retention for stand 37							
30	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long Term Retention for Sale No. 54-052-15-01 Stand 77							
31	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long Term Retention for Sale No. 54-052-15-01 Stand 25							
32	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long Term Retention for Sale No. 54-052-15-01 Stand 25							
33	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long Term Retention for Sale No. 54-052-15-01 Stand 40							

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34	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long Term Retention for Sale No. 54-052-15-01 Stand 22							
35	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long Term Retention for Sale No. 54-052-15-01 Stand 22							
36	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long Term Retention for Sale No. 54-052-15-01 Stand 66							
38	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
39	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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40	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wait to harvest with Stand 73 to the west.							
41	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
43	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This stand is borderline harvestable but may be too wet. In addition, the only access to this small stand is down a wet meadow type powerline. The likely high environmental cost of harvesting is not worth it for this borderline harvestable timber.							
44	Unavailable	3A: Conservation Values incompatible with harvest at this time	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Access issues and environmental impact make this stand undesirable for harvest.							

Report 4 – Site Conditions

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45	Available	2B: Unknown if access through adjacent landowner(s) is possible	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Available	2B: Unknown if access through adjacent landowner(s) is possible	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
47	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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
Vernal Pool A	Spring Wetlands Riparian Area	Riparian Area	SCA	7
Comments pool with buffer of 2 chains				
Vernal Pool B	Spring Wetlands Riparian Area	Riparian Area	SCA	3
Comments vernal pool with 2 chain buffering				



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
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	6113 - Lowland Maple	Sawtimber Poor	5.6	97	1-50	N/A	There was standing water throughout in April 2023. An edge call was made from the southern edge during the 2025 Inventory. Imagery indicates that there may be a trespass issue along the western edge of the stand. Further investigation would be needed to determine if there is a trespass.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		80	Log/Pole	12	97	Balsam Fir		Low	Variable	Sapling
Balsam Fir		15	Pole/Sapling	5		Black Ash		High	Variable	Sapling
Black Spruce		5	Pole/Sapling	5		Green Ash		Medium	Variable	Sapling
						Tag Alder	High	5 - 10 feet	Tall Shrub	
2	6113 - Lowland Maple	Sawtimber Medium	2.9	103	51-80	N/A	This stand was 100% flooded with flowing water in the spring of 2023.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple		95	Log/XLog	16	103	Red Maple	Low	Variable	Sapling	
Quaking Aspen		5	Log/Pole	11		Green Ash	Medium	Variable	Sapling	
						Black Ash	Medium	Variable	Sapling	
3	6113 - Lowland Maple	Sapling Well	3.9	26		N/A	This stand was not visited during the 2025 YOE Inventory. The 2015 YOE Inventory data was updated as necessary. 2015 Inventory Notes: (- could not locate corner to the south to confirm whether this is/was a timber trespass -it appears the fence was followed with the painted boundary line on private)			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		40	Sapling	3		Tag Alder		Medium	5 - 10 feet	Tall Shrub
Red Maple		60	Sapling	3	26					
4	122 - Road/Parking Lot	Nonstocked	2.2			No	This is Maple Lane Road.			
5	6120 - Lowland Cedar	Poletimber Well	53.3	113	81-110	N/A	An edge call was made during the 2025 YOE Inventory. The previous inventory stand data was updated. 2015 YOE Inventory Notes: (-maple more significant to the south where it is overtopping cedar)			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		12	Log/Pole	12		Balsam Fir		Medium	Variable	Sapling
Balsam Poplar		5	Pole/Log	9		Tag Alder		Medium	5 - 10 feet	Tall Shrub
Balsam Fir		3	Pole	7		Northern White Cedar		Low	Variable	Pole
Tamarack		5	Pole	8		Black Ash		Medium	Variable	Sapling
Northern White Cedar		75	Pole/Log	9	113	Red Maple		Low	Variable	Sapling
6	6112 - Lowland Aspen	Sapling Well	36.3	27	Immature	N/A	The harvest of this stand was completed in March of 1996 as part of Timber Sale Name: Mindykowski Fence Block; Timber Sale Number: 54-057-95-01.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		20	Sapling/Pole	4		Michigan Holly	Medium	5 - 10 feet	Tall Shrub	
White Spruce		1	Pole/Sapling	5		Green Ash	Medium	Variable	Sapling	
Balsam Fir		10	Sapling/Pole	4		Balsam Fir	Low	< 5 feet	Sapling	
Black Spruce		1	Sapling/Pole	4		Tag Alder	Medium	5 - 10 feet	Tall Shrub	
Paper Birch		5	Sapling	3		Black Ash	Medium	Variable	Sapling	
Red Maple		20	Sapling/Pole	4						
Quaking Aspen		42	Sapling/Pole	4	27					
White Pine		1	Pole/Sapling	6						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	3.4	104	81-110	N/A	Trace beech are present in the understory and overstory. This is an upland pocket amongst lowlands.																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>15</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>80</td> <td>Log/Pole/XLog</td> <td>16</td> <td>104</td> </tr> <tr> <td>Balsam Fir</td> <td>5</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Northern White Cedar	15	Log/Pole	12		Red Maple	80	Log/Pole/XLog	16	104	Balsam Fir	5	Pole	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Low</td> <td>>20 feet</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Trace</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	>20 feet	Sapling	Beech	Trace	Variable	Sapling	Balsam Fir	Medium	Variable	Sapling										
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Balsam Fir	Medium	Variable	Sapling																																														
8	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	25.3	104	51-80	N/A	There are a few acres of non-flooding upland in the east end of the stand. There is some younger pole timber of the same cover type at the east end of the stand. 2015 YOE Inventory Comments: -dense balsam in subcanopy -significant thermal protection stand with riparian concerns -more aspen vs adjacent stands to north																																										
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9	6122 - Black Spruce	Poletimber Well	2.8	95	51-80	N/A	This stand is too wet to harvest.																																										
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Tag Alder	Low	5 - 10 feet	Tall Shrub																																														
10	6111 - Lowland Balsam Poplar	Poletimber Well	2.4	53	51-80	N/A	The stand was somewhat hummocky with standing water throughout in April of 2023. This stand is too wet to harvest. Old cedar stumps indicate that this stand was previously cedar dominate. There is the occasional couple inch tall cedar present, possibly indicating that if left alone this stand would eventually be taken over by cedar.																																										
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11	6111 - Lowland Balsam Poplar	Sapling Medium	3.0	29	1-50	N/A	The 2015 YOE Inventory data was updated with an edge call. There was standing water throughout in April 2023. Many trees in the stand are dead due to the standing water. Much of the stand has been taken over by willow. This stand is too wet to harvest. Old cedar stumps indicate that this stand was previously cedar dominate.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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12	6111 - Lowland Balsam Poplar	Poletimber Poor	1.2	39	1-50	N/A	The 2015 YOE Inventory data was updated with an edge call. There was standing water throughout in April 2023. Many trees in the stand are dead due to the standing water. Rubber boots are required if outside of winter.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	60	Pole/Sapling	6	39	Red Maple	Low	Variable	Sapling
Red Maple	15	Pole/Sapling	5		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Paper Birch	25	Sapling/Pole	4		Balsam Fir	Low	Variable	Sapling
					Black Ash	Medium	Variable	Sapling

13	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	30.1	97	51-80	N/A	Most of this stand floods in the spring and is characteristic of maple flat flood plain forest, but this stand has, on average slightly higher ground than flood plain forest, and therefore has some fir, spruce, and paper birch mixed in with the red maple. Much of this stand floods in the spring. This stand slows seasonal flood waters. Harvesting this stand is not recommended.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	2	Log/Pole	12		Black Ash	Medium	Variable	Sapling
Balsam Fir	20	Pole/Log	8		Red Maple	Low	Variable	Sapling
Quaking Aspen	5	Log	15		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Red Maple	53	Log	13	97	Balsam Fir	High	Variable	Sapling
Black Spruce	5	Pole	6					

14	42260 - Natural Pine, Mixed Deciduous	Sawtimber Medium	6.5	135	51-80	N/A	-two trees average 125 yrs -smooth scaly bark on rp -small stand, rolling terrain, inconsistent stocking, lowland veins intermixed
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Log/Pole	12		Black Spruce	Low	Variable	Sapling
Bigtooth Aspen	15	Log/Pole	12		White Pine	Low	Variable	Sapling
Black Spruce	10	Pole/Log	8		Red Maple	Medium	Variable	Sapling
Red Pine	57	XLog/Log	18	135	Balsam Fir	Medium	Variable	Sapling
White Pine	3	Log/XLog	17		Michigan Holly	Low	5 - 10 feet	Tall Shrub

15	6111 - Lowland Balsam Poplar	Poletimber Well	3.7	30	1-50	N/A	The timber is larger in the north arm of the stand.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	15	Pole/Sapling	7	30	Black Ash	Low	Variable	Sapling
Paper Birch	20	Sapling/Pole	4		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	5	Pole/Sapling	5		Balsam Fir	Low	Variable	Sapling
Red Maple	5	Sapling	3					
Balsam Poplar	55	Pole/Sapling	5	30				

16	6111 - Lowland Balsam Poplar	Poletimber Well	5.1	58	51-80	N/A	This stand is too wet to harvest. This is a cedar strip cut that did not regenerate cedar.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole	8		Balsam Fir	Low	Variable	Sapling
Paper Birch	10	Sapling/Pole	4		Red Maple	Low	Variable	Sapling
Balsam Poplar	60	Pole	8	58	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen	10	Pole/Sapling	7	58	Black Ash	Medium	Variable	Sapling
Balsam Fir	5	Sapling/Pole	4					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
17	6112 - Lowland Aspen	Poletimber Well	11.1	48	81-110	N/A																																																					
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18	6113 - Lowland Maple	Sawtimber Medium	13.4	104	51-80	N/A	The powerline to the NE is a wet marsh that drains into an intermittent channel/stream that runs through the east half of this stand and empties into the Thunderbay River to the south. Another intermittent channel/stream runs through the west half of this stand, draining state and private land to the N/NE and empties into the Thunderbay River to the south. This stand is too wet to harvest. Standing water was present in greater than half the stand in April 2023. There are some legacy type red maple/silver maple present. Heavily browsed ash dominates the understory.																																																				
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19	6119 - Mixed Lowland Deciduous Forest	Sapling Poor	3.7	25	1-50	N/A	Black ash was 40 percent of the canopy in the previous inventory, but the canopy ash died due to EAB and is now in the subcanopy. This stand had standing water throughout in April 2023. This stand is too wet to harvest.																																																				
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20	500 - Water	Nonstocked	20.6			No	This is the Thunderbay River.																																																				
21	6111 - Lowland Balsam Poplar	Poletimber Well	1.8	46	1-50	N/A	The 2015 YOE Inventory data was updated with an edge call. Dead black ash were removed from the canopy. The stand was humucky with standing water throughout in April 2023. Many trees in the stand are dead due to the standing water.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
22	6112 - Lowland Aspen	Sapling Poor	14.1	5	Immature	N/A	The harvest of the western 2/3 of this stand was completed in August of 2017, and the east 1/3 of the stand was completed in February of 2019 as part of Timber Sale Name: Vicky Graham Log Jam; timber Sale No.: 54-052-15-01. The trace amount of red pine, white pine, and cedar present in the stand was retained during the harvest. Based upon the acceptable regeneration agreed upon through the 2015 YOE Compartment Review, the regeneration of this stand was determined to be successful in 15 of 22 acres of the stand area. Other areas came back to cattail and/or blackberry/raspberry. After the sale is closed the current treatment can be closed. 50 percent of the stand regenerated nicely, higher ground, and the other half came back to cattails or raspberry/BlackBerry with scattered tree regeneration. Scattered cedar and large white pine were retained during the harvest.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Pine	2	Log	15		Blackberry/Raspberry	High		5 - 10 feet	Tall Shrub
Red Pine	2	Log	15		Cattail spp.	Medium		Unspecified	Non-Wood
Red Maple	20	Sapling	1						
Balsam Fir	10	Sapling	1						
Quaking Aspen	63	Sapling	1	5					
Northern White Cedar	3	Log/Pole	11						
23	6113 - Lowland Maple	Sawtimber Well	8.7	71	111-140	N/A	The powerline to the NE is a wet marsh that drains into an intermittent channel/stream that runs through this stand and empties into the Thunderbay River to the south. This stand is too wet to harvest. 2015 YOE Comments: -very dense and high volume in maple -water table is very high in this stand and rm is thriving -pockets over 120 ba -average quality timber -vernal pool or broad base drainage located as well as intermittent stream (3-5 ft wide)		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Fir	5	Pole/Log	8		Balsam Fir	Low		Variable	Sapling
Red Maple	95	Log/Pole	11	71	Green Ash	High		Variable	Sapling
					Red Maple	Low		Variable	Sapling
					Black Ash	High		Variable	Sapling
24	6233 - Wet Meadow	Nonstocked	7.3			No			
25	6112 - Lowland Aspen	Sapling Well	13.4	3	Immature	N/A	The harvest of this portion of the stand was completed in February of 2019. Timber Sale Name: Vicky Graham Log Jam; Timber Sale Number: 54-052-15-01. This portion of the harvest regenerated to acceptable regeneration agreed upon through the 2015 Compartment Review Process.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	15	Sapling	1	3	Red Maple	Medium		Variable	Sapling
Balsam Fir	3	Sapling	1		Black Ash	Medium		Variable	Sapling
Northern White Cedar	5	Log/Pole	13		Balsam Fir	Medium		Variable	Sapling
White Pine	2	XLog	30		Tag Alder	Medium		5 - 10 feet	Tall Shrub
Quaking Aspen	75	Sapling	1	3					
26	6120 - Lowland Cedar	Poletimber Well	9.5	115	51-80	N/A	The 2015 YOE Inventory data was updated with an edge call made from the southern edge of the stand. Cedar are dying out due to highly saturated soil. This stand is too wet to harvest,		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Balsam Poplar	5	Log/Pole	10		Red Maple	Low		Variable	Sapling
Balsam Fir	5	Pole	7		Balsam Fir	Medium		Variable	Sapling
Northern White Cedar	77	Pole	7	115	Black Ash	Medium		Variable	Sapling
Tamarack	5	Log/Pole	10		Tag Alder	Medium		5 - 10 feet	Tall Shrub
Paper Birch	3	Pole	7						
Red Maple	5	Log/Pole	12						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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27	6112 - Lowland Aspen	Poletimber Well	6.2	47		N/A	This aspen/red maple stand is doing well.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	50	Pole	7	47	Red Maple	Medium	Variable	Sapling
Red Maple	30	Pole/Sapling	6		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	5	Pole/Sapling	5					
Bigtooth Aspen	15	Pole	8	47				

28	6111 - Lowland Balsam Poplar	Poletimber Well	14.5	38	51-80	N/A	This stand is too wet to harvest. This is a cedar stand that came back to aspen. Standing and flowing water was present throughout in April 2023.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Pole/Sapling	6		Balsam Fir	Low	Variable	Sapling
Balsam Poplar	70	Pole	7	38	Black Ash	Medium	Variable	Sapling
Balsam Fir	10	Sapling/Pole	4		Tag Alder	Low	5 - 10 feet	Tall Shrub
Paper Birch	5	Sapling/Pole	4		Red Maple	Low	Variable	Sapling

29	6113 - Lowland Maple	Poletimber Well	70.1	44	1-50	N/A	This stand is too wet to harvest. The red maple regenerated from seed under the canopy and/or after the canopy died off. In the lower ground areas, where the canopy has mostly fallen out, dense red maple saplings/pole timber tends to be growing. The stand alternates between mostly lowland, that seasonally holds water and has unstable soil, and slightly higher ground. The slightly higher ground can be harvested where the opportunity/access presents itself in the distant future. The low seasonally flooded ground in the greater surrounding area has not regenerated well in the recent past, often converting to cattail or lowland shrub. If left untouched, the lowlands in this compartment tend to have canopy fall out first, due to saturated soil. Under the fallout, red maple fills in the understory and eventually the canopy. Green and black ash tend to do the same but die out due to EAB just as they are becoming established in the canopy. The slightly higher ground that does not seasonally flood but may be still considered lowlands due to soil conditions, tend to regenerate a mix of balsam fir and red maple when the canopy trees fall out.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	2	Log	14		Red Maple	Medium	>20 feet	Sapling
Red Maple	60	Pole/Sap/Log	7	44	Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	20	Log	15	113	Black Ash	Low	Variable	Sapling
Northern White Cedar	3	Log	14		Green Ash	Low	Variable	Sapling
Balsam Fir	15	Pole/Log	8		Tag Alder	Low	5 - 10 feet	Tall Shrub
					Michigan Holly	Medium	5 - 10 feet	Tall Shrub

30	6112 - Lowland Aspen	Poletimber Well	23.8	47		N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole/Log	8		Balsam Fir	High	Variable	Sapling
Bigtooth Aspen	35	Pole	7	47				
Quaking Aspen	40	Pole	7	47				
Red Maple	10	Pole/Sapling	6					
Balsam Fir	10	Pole/Sapling	6					

31	622 - Lowland Shrub	Nonstocked	1.0			No	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
32	6118 - Lowland Deciduous with Cedar	Poletimber Well	5.2	48	51-80	N/A	<p>This is a lower ground somewhat stunted stand of aspen/cedar growing in rocky soil. Cedar becomes more dominate as you move north in the stand and vice versa for aspen. This is smaller diameter than stand to the south but still the same age.</p> <p>2013 YOE Inventory Notes: -two-track through stand to S., appears to be for private hunting cabin may be in trespass in the northeast corner of this property -33 ft wide easement granted in 1975 to access the SWNW section 7</p>																																																						
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33	6123 - Lowland Fir	Poletimber Well	1.2	46	1-50	N/A	<p>2015 YOE Inventory Notes: -appears that this small pocket was harvested -dense fir</p>																																																						
34	6120 - Lowland Cedar	Sawtimber Well	5.0	112	111-140	N/A	This stand is too wet to harvest.																																																						
35	6113 - Lowland Maple	Sawtimber Medium	8.4	105	1-50	N/A	<p>The subordinate pole portion of the red maple canopy had to be put in the understory. There is alternating upland ridges and lowland drainages. There is a second age of red maple that is subordinate in the canopy most often found in the drainages where the old canopy has fallen out.</p> <p>2015 YOE Inventory Notes: -stand has declined more significantly and has lost a lot of its overstory -significant regrowth of ash and rm throughout stand</p>																																																						
36	6112 - Lowland Aspen	Sapling Medium	26.6	24	1-50	N/A	<p>There was standing water throughout the stand in April 2023. This stand was part of a larger 82-acre harvest, that took place in this stand and to the east, may be too wet to harvest in the future. This stand was harvested as part of a sale that was closed in October of 1999; Timber Sale Name: Red Belly Block; Timber Sale Number: 54-058-95-01. All trees with the exception of cedar were harvested.</p>																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																					
37	6112 - Lowland Aspen	Sapling Well	20.3	5	Immature	N/A	The harvest of this stand was completed in June of 2017 as part of Timber Sale Name: Vicky Graham Log Jam; timber Sale No.: 54-052-15-01. The trace amount of red pine, white pine, and cedar was retained during the harvest. Based upon the acceptable regeneration agreed upon through the 2015 YOE Compartment Review, the regeneration of this stand was determined to be successful based on the data collected during 2025 YOE Inventory. After the sale is closed the current treatment can be closed.																																																																					
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38	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	20.9	105	51-80	N/A	There is a cohort of pole size red maple and pole size balsam fir in portions of the stand. Lowland drainages are present throughout the stand mainly running NW-SE. 2015 YOE Inventory Notes: -about 1/2 of aspen is dead and ba is fairly low 20-30 -rm 20-30 ba -all aspen showing rot -aspen too rotten to bore																																																																					
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39	6118 - Lowland Deciduous with Cedar	Poletimber Well	35.2	41	1-50	N/A	The lowland areas that hold water seasonally (or all year) has a mostly fallen canopy that has been replaced by sapling/pole size red maple with some red maple log trees still holding on in the canopy. Much of the slightly higher ground that is not seasonally flooded is cedar dominate. In areas where the slightly higher ground canopy has died out/windthrown, a combination of sapling/pole size balsam fir and red maple tend to dominate. A high ground ride with pine exists along the western edge. -mixed stand, scattered log trees -uneven aged (w 1/3rd) -significantly saturated to E																																																																					
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40	330 - Low-Density Trees	Nonstocked	10.8	0		6128 - Lowland Coniferous, Mixed Deciduous	The partial harvest of this stand was completed in late July of 2022 as part of Timber Sale Name: Vicky Graham Log Jam; Timber Sale No.: 54-052-15-01. An average of about 40 BA of large white pine and red pine were retained. The BA is as high as 70 and as low as 0 depending on location. As of April 2023, little to no signs of post-harvest regeneration could be seen. They moved out of this stand in Late July of 2022. The stand was re-delineated/split to match what is on the ground during April 2023 inventory. The sale is still open for them to harvest the SE portion of the stand that is now Stand 96. They will need to access this portion of the stand through a single skid trail along the southern edge of the harvest area to limit damage to regeneration.																																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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41	6113 - Lowland Maple	Sawtimber Well	25.7	97	51-80	N/A	Most of the northern edge of this stand was walked in April 2023 for taking edge stand data. The entire stand was flooded as far as could be seen and the stand looked to be dominated by log size red maple timber with a continuous lowland shrub understory.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Paper Birch		5	Pole	8		Tag Alder		High	5 - 10 feet	Tall Shrub	
Northern White Cedar		5	Pole/Log	8		Green Ash		Low	Variable	Sapling	
Red Maple		90	Log/Pole	13	97	Red Maple		Low	Variable	Sapling	
						Balsam Fir		Low	Variable	Sapling	
						Michigan Holly		High	5 - 10 feet	Tall Shrub	
						Black Ash		Medium	Variable	Sapling	

42	4130 - Aspen	Sapling Well	24.0	24	1-50	N/A	This stand was harvested as part of a sale that was closed in October of 1999; Timbe Sale Name: Red Belly Block; Timber Sale Number: 54-058-95-01. This is the high ground portion of a greater 82-acre sale that took place here. Drainages are prevalent in the western portion of the stand. -better regeneration success vs other stands cut to the adjacent south, better drainage				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		15	Sapling	4		Tag Alder		Low	Variable	Tall Shrub	
Quaking Aspen		40	Sapling/Pole	4	24	Balsam Fir		Low	Variable	Sapling	
Balsam Poplar		5	Sapling/Pole	4							
Balsam Fir		5	Sapling/Pole	4							
Bigtooth Aspen		30	Sapling/Pole	4	24						
Paper Birch		5	Sapling	3							

43	6112 - Lowland Aspen	Sapling Poor	9.6	24	Immature	N/A	This stand was harvested as part of a sale that was closed in October of 1999; Timbe Sale Name: Red Belly Block; Timber Sale Number: 54-058-95-01. The stand is filling in over time. Standing water and lowland shrub veins and pockets are present throughout.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black Spruce		5	Sapling/Pole	4		Balsam Fir		Low	Variable	Sapling	
Quaking Aspen		55	Sapling	4	24	Tag Alder		Medium	Variable	Tall Shrub	
Red Maple		20	Sapling	2		Serviceberry (Juneberry)		Medium	Variable	Sapling	
Paper Birch		10	Sapling	2		Michigan Holly		Low	5 - 10 feet	Tall Shrub	
Balsam Fir		5	Sapling	3							
Balsam Poplar		5	Sapling	4							

44	6127 - Lowland Pine	Sawtimber Medium	1.0	88	51-80	N/A					
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Pine		50	Log	15	88	Balsam Fir		Low	Variable	Sapling	
Black Spruce		20	Pole/Log	8		Black Spruce		Low	Variable	Sapling	
Jack Pine		20	Log/Pole	11	88	Tag Alder		Low	5 - 10 feet	Tall Shrub	
Quaking Aspen		5	Log/Pole	11		Red Maple		Low	Variable	Sapling	
Red Maple		5	Log/Pole	11							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
45	6130 - Fir, Aspen, Maple	Sawtimber Well	9.4	55	51-80	N/A	There are patches of prickly pear along the edge of the river. Prickly pear is common along the Thunderbay River in Alpena County. This stand changes in composition throughout but should be managed as one unit. 2015 YOE Notes: -variable structure-peninsula has most cedar and all basswood- some pole cedar overtopped by rm with open subcanopy																																																					
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46	4130 - Aspen	Poletimber Well	6.5	51	51-80	N/A	There is some larger aspen in the southern area of the stand.																																																					
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47	622 - Lowland Shrub	Nonstocked	1.0		Immature	No																																																						
48	622 - Lowland Shrub	Nonstocked	6.4			No	There are some standing trees but for management purposes this is low ground lowland shrub.																																																					
49	6120 - Lowland Cedar	Sawtimber Well	3.1	103	141-170	N/A	There is low ground throughout with standing water west of the powerline.																																																					
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50	622 - Lowland Shrub	Nonstocked	1.2			No	A remote call was made during the 2023 YOE Inventory.																																																					
51	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	4.1	91	1-50	N/A	This is a lowland stand with an upland pocket south and central. The sapling black and green ash is heavily browsed and likely will never reach the canopy due to EAB. 2015 YOE Notes: -overstory log trees are declining and giving rise to ash -broken up canopy -very high-water table and tag alder -poor quality aspen and rm																																																					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
52	6119 - Mixed Lowland Deciduous Forest	Sawtimber Medium	8.8	108	51-80	N/A	Most of this stand has unstable saturated mucky soil and is too wet to harvest. The overstory is dying off rapidly in most of the stand due to highly saturated soil and standing water.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	White Spruce	2	Log/Pole	12		Balsam Fir	Medium	Variable	Sapling
	Red Maple	31	Pole/Log	9		Black Ash	Medium	Variable	Sapling
	Balsam Fir	10	Pole/Log	9		Red Maple	Medium	Variable	Sapling
	Quaking Aspen	32	Log	14	108	Tag Alder	Low	5 - 10 feet	Tall Shrub
	Paper Birch	25	Log/Pole	10		Green Ash	Low	Variable	Sapling
	2015 YOE Inventory Notes: -left out of previous harvest, assume for lowland buffer -overstory aspen will be gone in next 10-20 yrs -smaller timber within southern half closest to lowland, more stagnant growth due to increasingly poorer drainage -let subcanopy become canopy, some saps have already grown in and would be damaged								
53	310 - Herbaceous Openland	Nonstocked	1.8			No	There is one sandy loop road around the outside of the stand. Sandy site used as party spot. Encourage continued law enforcement action. This site is sometimes used as a target range.		
54	6112 - Lowland Aspen	Sapling Medium	22.3	24	1-50	N/A	There is standing water throughout in the spring.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Balsam Fir	5	Sapling	4		Black Ash	Medium	Variable	Sapling
	Quaking Aspen	35	Sapling/Pole	4	24	Willow spp.	Low	10 - 20 feet	Sapling
	Paper Birch	15	Sapling	3		Tag Alder	Medium	Variable	Tall Shrub
	Balsam Poplar	5	Sapling	4		Red Maple	Low	Variable	Sapling
	Red Maple	40	Sapling	4	24	Green Ash	Low	Variable	Sapling
	This stand was harvested as part of a sale that was closed in October of 1999; Timbe Sale Name: Red Belly Block; Timber Sale Number: 54-058-95-01. All trees with the exception of cedar were harvested.								
55	6130 - Fir, Aspen, Maple	Sawtimber Medium	27.2	95	1-50	N/A	This stand was not visited during the 2023 YOE Inventory due to flooded conditions and difficult accessibility. Data from the 2015 Inventory was updated accordingly. Aerial imagery indicates that this stand is comprised of a number of inclusion pockets of varying canopy compositions. Aerial imagery also indicates this stand is full of standing water and drainages with minimal scattered high ground.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	White Pine	5	XLog/Log	18		Red Maple	Medium	Variable	Sapling
	Red Maple	20	Log/Pole	13		Balsam Fir	Medium	Variable	Sapling
	White Spruce	5	Log	14		Black Spruce	Low	Variable	Sapling
	Paper Birch	5	Pole	8		Black Ash	Medium	Variable	Sapling
	Balsam Fir	20	Pole	8		Green Ash	Low	Variable	Sapling
	Black Spruce	20	Pole/Log	8		Tag Alder	High	5 - 10 feet	Tall Shrub
	Quaking Aspen	25	Log	15	95				
56	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	8.7	87	51-80	N/A	There is a remnant red pine and white pine pocket at the south end of the stand. There was a full dense subcanopy layer of balsam fir that averaged 3 inches in DBH in April 2023 that was found to be 43 years old at the time.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	48	Pole/Log	9	87	Black Spruce	Low	Variable	Sapling
	Paper Birch	30	Pole	7		Balsam Fir	High	Variable	Sapling
	Black Spruce	10	Pole/Log	8					
	White Pine	6	XLog/Log	19					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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57	6120 - Lowland Cedar	Poletimber Medium	123.8	106	111-140	N/A	This stand is hummocky with varying densities of cedar throughout. There was standing water throughout in April 2023. This stand is too wet to harvest.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Northern White Cedar		70	Pole	7	106	Balsam Fir		Medium	Variable	Sapling	
Paper Birch		10	Pole/Sapling	5		Black Ash		Medium	Variable	Sapling	
Quaking Aspen		5	Pole/Log	9		Tag Alder		High	Variable	Tall Shrub	
Black Spruce		5	Pole	6		Michigan Holly		Medium	5 - 10 feet	Tall Shrub	
Red Maple		10	Pole/Log	8							

58	3102 - Grass	Nonstocked	12.4			No	Powerline
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59	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	12.4	89	51-80	N/A	Leave this stand untreated due to poor access and to protect the natural beauty of the area. This stand has a high ridge that parallels the bog to the south offering incredible views.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Paper Birch		22	Pole	8		White Pine		Low	Variable	Sapling	
Red Pine		5	Log	15		Balsam Fir		Medium	Variable	Sapling	
Black Spruce		7	Pole/Log	8							
White Pine		2	Log/Pole	10							
Bigtooth Aspen		37	Log/Pole	11	89						
Red Maple		21	Pole/Log	8							
Balsam Fir		5	Pole/Sapling	6							
Jack Pine		1	Log/Pole	11							

60	6113 - Lowland Maple	Sawtimber Medium	5.8	102	51-80	N/A	During the 2023 YOE Inventory there was a 3 inch DBH balsam fir cohort that was 42 years of age.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Northern White Cedar		5	Log/Pole	11		Red Maple		Low	Variable	Sapling	
Red Maple		75	Log/Pole	13	102	Black Ash		Low	Variable	Sapling	
White Spruce		2	Log	13		Tag Alder		Low	5 - 10 feet	Tall Shrub	
Black Spruce		3	Pole/Log	8		Balsam Fir		Full	Variable	Sapling	
Paper Birch		15	Pole	7							

61	6225 - Bog	Nonstocked	84.5			No	
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62	6120 - Lowland Cedar	Sawtimber Well	23.5	119	141-170	N/A	This stand has dense areas of cedar. Veins and pockets with full of standing water, lowland shrub, and sparse trees are present in the southern half of the stand.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Balsam Fir		3	Pole/Log	8		Red Maple		Low	Variable	Sapling	
White Spruce		5	Log	13		Balsam Fir		Medium	Variable	Sapling	
Northern White Cedar		83	Log/Pole	10	119	Black Ash		Low	Variable	Sapling	
Red Maple		7	Log/Pole	14		Tag Alder		Medium	5 - 10 feet	Tall Shrub	
Paper Birch		2	Log	13							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
63	6113 - Lowland Maple	Sawtimber Well	20.5	102	51-80	N/A	Due to flooding an edge call was made during the 2023 YOE inventory. This stand is too wet to harvest. The east and north portions of this stand were not visited during the 2023 YOE due to water blocking route from Stand 60. Black ash was removed from the canopy due to EAB death and percentage was added to red maple in the canopy.																																										
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64	6126 - Lowland Jack Pine	Sapling Well	3.2	14	Immature	N/A	This stand was full of water in Early May of 2023. From the edge of the stand, this looks to be mostly dog hair thick jack pine saplings.																																										
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66	330 - Low-Density Trees	Nonstocked	12.3		Immature	6125 - Lowland Black Spruce, Jack Pine	When the sale is closed out, que up a natural regeneration survey to be conducted during the next inventory. Scattered pole/log size red pine were retained with low amounts of sapling red maple and balsam fir remaining post-harvest. The harvest of this stand was completed in December of 2022 as part of Timber Sale Name: Vicky Graham Log Jam; Timber Sale No.: 54-052-15-01. All red pine were retained during the harvest.																																										
67	42210 - Natural Red Pine	Poletimber Medium	3.8	29	1-50	N/A	This stand was likely harvested and regenerated with the stand to the east.																																										
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68	6224 - Treed Bog	Nonstocked	0.8			No																																											
69	6113 - Lowland Maple	Poletimber Medium	11.4	47	1-50	N/A	There are drainages and wet pockets intermixed throughout the stand. The canopy has 2/3 fallen out and is making way for the subordinate red maple subcanopy to take over. This stand is borderline too wet to harvest. Very dry summer conditions would be needed for harvest.																																										
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
70	6121 - Tamarack	Sapling Medium	3.1	25	Immature	N/A	This stand has areas of dense sapling tamarack intermixed with areas of lowland shrub. This stand had standing water throughout in April 2023. This stand is too wet to harvest.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Tamarack	85	Sapling	3	25	Willow spp.	Medium	5 - 10 feet	Sapling
	Balsam Fir	3	Pole/Sapling	5		Tag Alder	Medium	5 - 10 feet	Tall Shrub
	Black Spruce	2	Pole/Sapling	5					
	Red Maple	10	Pole/Sapling	6					
71	4130 - Aspen	Poletimber Well	31.9	29	1-50	N/A	-1993-vigorous aspen		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	White Ash	3	Sapling	3		Red Maple	Medium	Variable	Sapling
	Bigtooth Aspen	39	Pole/Sapling	5	29	Balsam Fir	Medium	Variable	Sapling
	Sugar Maple	5	Sapling	3		White Ash	Medium	Variable	Sapling
	Balsam Fir	2	Pole/Sapling	5		Serviceberry (Juneberry)	Trace	Variable	Sapling
	Ironwood	2	Sapling	2		Leatherwood	Trace	< 5 feet	Tall Shrub
	Quaking Aspen	39	Pole/Sapling	5	29	Sugar Maple	Low	Variable	Sapling
	Red Maple	10	Sapling	4					
72	6125 - Lowland Black Spruce, Jack Pine	Sawtimber Medium	5.5	84	1-50	N/A	The stand is black spruce dominate in the north and red pine and white pine dominate along the edges and to the south. This is a treed bog that is too wet to harvest.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Black Spruce	45	Pole	7	84	Leatherleaf	Medium	< 5 feet	Tall Shrub
	White Pine	25	Log/Pole	11	47	White Pine	Low	Variable	Sapling
	Jack Pine	5	Log/Pole	11		Huckleberry	Low	< 5 feet	Tall Shrub
	Red Pine	25	Log/Pole	11		Red Pine	Trace	Variable	Sapling
						Labrador Tea	Medium	< 5 feet	Tall Shrub
						Black Spruce	Low	Variable	Sapling
73	6112 - Lowland Aspen	Poletimber Well	29.1	43	1-50	N/A	Smaller diameter aspen/timber present along the north edge of the stand makes the stand look less developed than it is. The harvest of all trees with a merchantable stick was completed on this stand in December of 1980 as part of Timber Sale Name: Foxtail Balsam Block. All red and white pine were retained.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	20	Pole/Sapling	6		Black Ash	Medium	Variable	Sapling
	Balsam Fir	10	Pole/Sapling	5		Tag Alder	Low	5 - 10 feet	Tall Shrub
	Quaking Aspen	65	Pole/Log	8	43	Balsam Fir	Medium	Variable	Sapling
	Balsam Poplar	5	Pole/Log	8					
74	6120 - Lowland Cedar	Sawtimber Medium	19.0	121	51-80	N/A	This stand is hummocky with standing water throughout. This stand is too wet to harvest.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	20	Log/Pole	12		Tag Alder	Low	5 - 10 feet	Tall Shrub
	Paper Birch	5	Pole/Log	8		Northern White Cedar	Trace	Variable	Sapling
	Northern White Cedar	57	Log/Pole	10	121	Black Ash	Low	Variable	Sapling
	Tamarack	5	Log/Pole	10		Balsam Fir	Medium	Variable	Sapling
	Balsam Fir	10	Pole/Sapling	5					
	Quaking Aspen	3	Log/Pole	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
75	42210 - Natural Red Pine	Sawtimber Well	50.4	82	111-140	N/A	2025 YOE Inventory BA Measurements: (130, 130, 110, 80, 100, 110, 130, 120, 160) This stand was thinned as part of Sale Name: High Road Red Pine; Timber Sale Number: 54-051-15 in 2019. This stand was also thinned in 2006 as part of Timber Sale Name: New Addition Red; Timber Sale Number: 54-038-05-01.-PArVCo site																																																				
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76	4130 - Aspen	Sawtimber Medium	6.1	82	51-80	N/A	-lower basin stand, still upland																																																				
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77	4130 - Aspen	Sapling Medium	9.7	1	Immature	N/A	The eastern half to 2/3 of the stand is on its way to regenerating to a bigtooth aspen dominate stand but deer browse has been heavy. Place a intermediate natural regeneration treatment on this stand after closing the sale. The harvest of this stand was completed in March of 2022 as part of Timber Sale Name: Vicky Graham Log Jam; Timber Sale No.: 54-052-15-01. The trace amounts of red pine and white pine present were retained.																																																				
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80	4134 - Aspen, Spruce/Fir	Poletimber Well	5.2	48	81-110	N/A	This is a higher ground, healthy stand of aspen.																																													
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81	42330 - Upland Fir	Poletimber Well	2.4	55	81-110	N/A	Lower ground towards river to the north seasonally holds water.																																													
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82	4130 - Aspen	Sawtimber Well	3.5	85	81-110	N/A	There. is a vernal pond like maple flat seasonally flooded area in the north end of the stand.																																													
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83	6113 - Lowland Maple	Sawtimber Poor	5.8	93	1-50	N/A	This stand is too wet to harvest. Scattered low density trees present. Harvesting would convert this stand into cattail.																																													
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84	3303 - Mixed Low Density Trees	Nonstocked	1.2		Immature	No	This is a lowland pocket of the harvest to the north that came back to mostly raspberry/blackberry.																																													
85	42210 - Natural Red Pine	Sawtimber Well	0.9	93	111-140	N/A	This is a higher ground ridge along the river with some naturally regenerated red pine; rare in the immediate area.																																													
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86	429 - Mixed Upland Conifers	Sawtimber Well	3.1	97	111-140	N/A	This is a high ground ridge along the Thunderbay river. Legacy white pine are scattered throughout.																																											
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87	330 - Low-Density Trees	Nonstocked	6.8	0		No	This is the portion of PU 2 of the Vicky Graham Log Jam sale that did not regenerate. This stand may fill in naturally over time with trees. Currently it is a combination of blackberry/raspberry, cattail, and low-density lowland deciduous trees. The proposal is being made during the 2025 Compartment Review process to accept the stand as is, understanding that these stands generally fill in with trees over time.																																											
88	6122 - Black Spruce	Poletimber Well	4.5	82	81-110	N/A	This stand has bog type moss covered soil. This stand is too wet to harvest.																																											
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89	6125 - Lowland Black Spruce, Jack Pine	Poletimber Medium	15.9	88	51-80	N/A	This stand is very wet in areas. It is doubtful if some areas can be harvested. Some of the west end of this stand was part of the adjacent strip cut but was not harvested due to this area being too wet to harvest when they attempted to enter it.																																											
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90	330 - Low-Density Trees	Nonstocked	1.7		Immature	6125 - Lowland Black Spruce, Jack Pine	When the sale is closed out, que up a natural regeneration survey to be conducted during the next inventory. The harvest of this stand was completed in March of 2022 as part of Timber Sale Name: Vicky Graham Log Jam; Timber Sale No.: 54-052-15-01. The trace amounts of red pine, white pine, and cedar present were retained during the harvest.																																											
91	330 - Low-Density Trees	Nonstocked	1.8		Immature	6125 - Lowland Black Spruce, Jack Pine	When the sale is closed out, que up a natural regeneration survey to be conducted during the next inventory. Immediately post-harvest, the stand had scattered log sized red pine at the south end with low amounts of balsam fir, red maple, and black spruce advanced regeneration saplings. The harvest of this stand was completed in December of 2022 as part of Timber Sale Name: Vicky Graham Log Jam; Timber Sale No.: 54-052-15-01. All red pine were retained during the harvest.																																											



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92	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	6.7	104	81-110	N/A	Legacy pine are present in the stand. It looks like some timber was harvested in the portion of the stand adjacent to the private land to the north 25+ years ago. There are lowland areas in the west half of the stand.																																																	
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93	6112 - Lowland Aspen	Sawtimber Well	1.7	104	81-110	N/A	This is a lowland drainage that should be protected. This stand is too wet to harvest.																																																	
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94	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	6.1	90	81-110	N/A	Aspen is dominate in the east and red maple is dominate in the west. Legacy red pine and white pine are present.																																																	
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95	6112 - Lowland Aspen	Sawtimber Medium	3.2	90	51-80	N/A	This lowland pocket has smaller timber on average than the surrounding stands. The remaining aspen in the canopy are dying and falling out of the canopy. This stand is too wet to harvest.																																																	
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96	6122 - Black Spruce	Sawtimber Well	5.7	63	51-80	N/A	This is the unharvested portion of the Vicky Graham Log Jam sale.																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
97	6113 - Lowland Maple	Poletimber Medium	19.2	50	1-50	N/A	This stand is too wet to harvest.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch		5	Pole	8		Balsam Fir	Low	Variable	Sapling
Red Maple		85	Pole/Sap/Log	5	50	Tag Alder	Full	5 - 10 feet	Tall Shrub
Quaking Aspen		5	Log	15					
Balsam Fir		5	Pole/Sapling	6					
98	6113 - Lowland Maple	Sawtimber Well	6.5	82	51-80	N/A	This stand holds a drainage and should be protected.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		88	Log/Pole	11	82	Balsam Fir	Low	Variable	Sapling
Northern White Cedar		2	Log/Pole	11		Michigan Holly	High	5 - 10 feet	Tall Shrub
Paper Birch		10	Pole	7					
99	3104 - Degraded	Nonstocked	1.3		Immature	No	This is a landing area for Timber Sale Name: Vicky Graham Log Jam; Timber Sale Number: 54-052-15-01.		
100	6230 - Cattail	Nonstocked	7.9		Immature	No	This area came back to cattail after the harvest in February of 2019. Timber Sale Name: Vicky Graham Log Jam; Timber Sale Number: 54-052-15-01. In that Compartment 110 and in the surrounding area, land that seasonally floods (typically dominated by red maple) tends to regenerate to cattail if clear-cut.		
101	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Medium	2.6	102	51-80	N/A	This stand was split from the stand to the west and previous stand age was used.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		5	Log/Pole	12		White Pine	Low	Variable	Sapling
Quaking Aspen		10	Log	15		Black Spruce	Low	Variable	Sapling
White Pine		15	XLog/Log	22		Red Maple	Low	Variable	Sapling
Black Spruce		20	Pole/Log	9		Balsam Fir	Low	Variable	Sapling
Red Maple		45	Log/Pole	12	102				
White Spruce		5	Pole/Log	8					
102	622 - Lowland Shrub	Nonstocked	1.8		Immature	No	A few scattered red maple are present.		
103	6113 - Lowland Maple	Sawtimber Well	2.0	102	51-80	N/A	This stand was part of a similar stand to the east but was separated for the mapping of the lowland shrub to the adjacent east.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		5	Pole	7		Black Ash	Medium	Variable	Sapling
Quaking Aspen		10	Log	14		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Red Maple		83	Log/Pole	12	102	Red Maple	Medium	Variable	Sapling
Balsam Fir		2	Pole	7		Balsam Fir	Medium	Variable	Sapling
104	622 - Lowland Shrub	Nonstocked	2.7	0		No			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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105 622 - Lowland Shrub Nonstocked 44.2 No

106 6127 - Lowland Pine Sawtimber Well 1.7 90 141-170 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Sapling	6		Red Maple	Medium	>20 feet	Sapling
Quaking Aspen	2	Log	15					
Red Pine	30	Log	15					
White Pine	63	Log/XLog	16	90				

107 6126 - Lowland Jack Pine Sawtimber Poor 1.5 88 1-50 N/A This is a low-density bog like jack pine dominate stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole/Sapling	5		Red Maple	Low	Variable	Sapling
Jack Pine	90	Log/Pole	11	88	Balsam Fir	Low	Variable	Sapling
White Pine	3	Log	16		Black Spruce	Low	Variable	Sapling
Black Spruce	2	Log/Pole	11					

108 6113 - Lowland Maple Poletimber Well 6.0 43 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	10	Sapling/Pole	4		Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Poplar	5	Pole/Log	8		Black Ash	Medium	Variable	Sapling
Paper Birch	10	Sapling	4		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	15	Pole/Sapling	5	43				
Red Maple	60	Sapling/Pole	4	43				

This stand was harvested with the stand to the west and east but was divided out due to the slow stunted growth of the trees in excessively wet soil. This stand is more dominate to red maple than the stand to the east. The harvest of all trees with a merchantable stick was completed on this stand in December of 1980 as part of Timber Sale Name: Foxtail Balsam Block. All red and white pine were retained.