



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54153

Entry Year 2025

Acreage: 1,301

County Presque Isle

Management Area: Presque Isle Lake and Till Plains

Stand Examiner: Trevor Kubitskey

Legal Description:

Bearing Township
36N, 02E, Sections 10, 11, & 12.

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.

Soil and topography:

The compartment is majority lowland, with scattered upland ridges and swales especially in the east (section 12). The drier, more upland pine stands are dominantly Deer Park Sands. The main two soil groups are the Au Gres - Roscommon Complex and the Roscommon-Tawas Complex which are best characterized by wet sandy and organic soils. Other specific soil types within the compartment are a variety of Sandy-Loam soils (Iosco Loamy Sand, Hessel Loam, Brevort Mucky Loam Sand, and Cheboygan Loamy Sand. A very small component is Cathro Muck.

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

State ownership is contiguous within sections 10 & 11, with larger private hunting properties to the north (former Abitibi lands). More broken state ownership in Section 12 with scattered smaller private parcels.

Unique Natural Features:

The compartment contains a unique lowland complex with scattered upland islands and ridge throughout. Numerous natural drainages and seeps are found throughout.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

The large Cedar/Swamp complex within section 12 is designated as a Wooded Dune and Swale Natural Community. All proposed management activities have followed the correct guidance.

Watershed and Fisheries Considerations:

This compartment is apart of the Northern Lake Huron Fisheries Management Unit. No special considerations exist for this compartment.

Wildlife Habitat Considerations:

Featured species in this compartment include deer, ruffed grouse, and snowshoe hare. Large conifer swamp complexes provide good potential for wintering habitat for deer. Rare raptor species are likely present in some stands and there is a significant amount of ash die-off which provides snags for many wildlife species. The eastern portion of the compartment is designated as rare dune and swale complex, which provides upland and wetland habitats unique to the unit.

Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel pit is three miles southeast. A former pit appears to be within the compartment, in Sec 16. There may be some potential for sand & gravel within the compartment, but any surface mining would be inhibited by wetlands. No known potential exists for oil & gas from known producing formations in this area. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Access is limited to gravel county roads. No forest roads are found within the compartment. Overall the compartment is foot traffic only.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

There are no developed recreational facilities or trails.

Fire Protection:

With the majority of the compartment lowland, there is little potential for extreme fire behavior. There is some wildfire potential within section 12 due to that area containing a mixed pine forest.

Additional Compartment Information:

The following reports from the Inventory are attached:

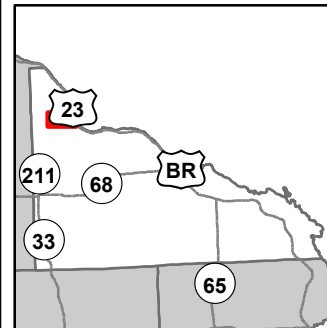
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

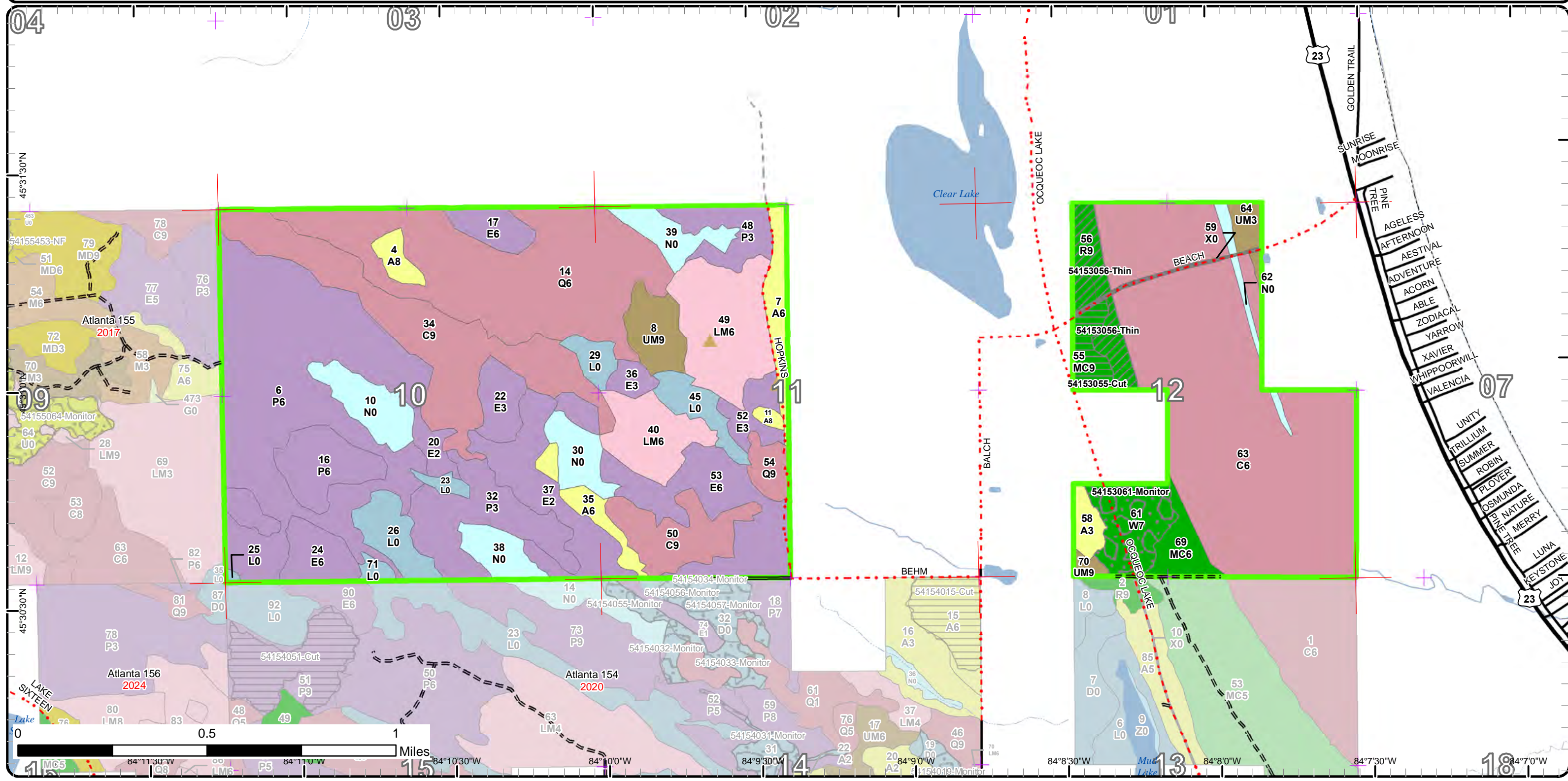
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 153
 T36N, R02E, Sec: 10-12
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Presque Isle Lake and Till Plains
 YOE: 2025
 Acres: 1300.9 GIS Calculated
 Examiner: Trevor Kubitskey
 Map Revised: 6/12/2023
 Map Phase: Review

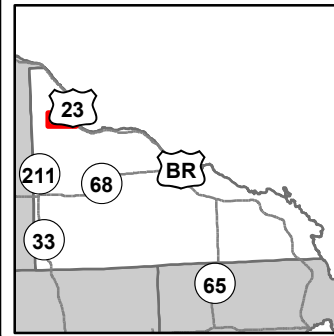


- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- ▲ Berms
- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 413 - Aspen
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 622 - Lowland Shrub
- 623 - Emergent Wetland

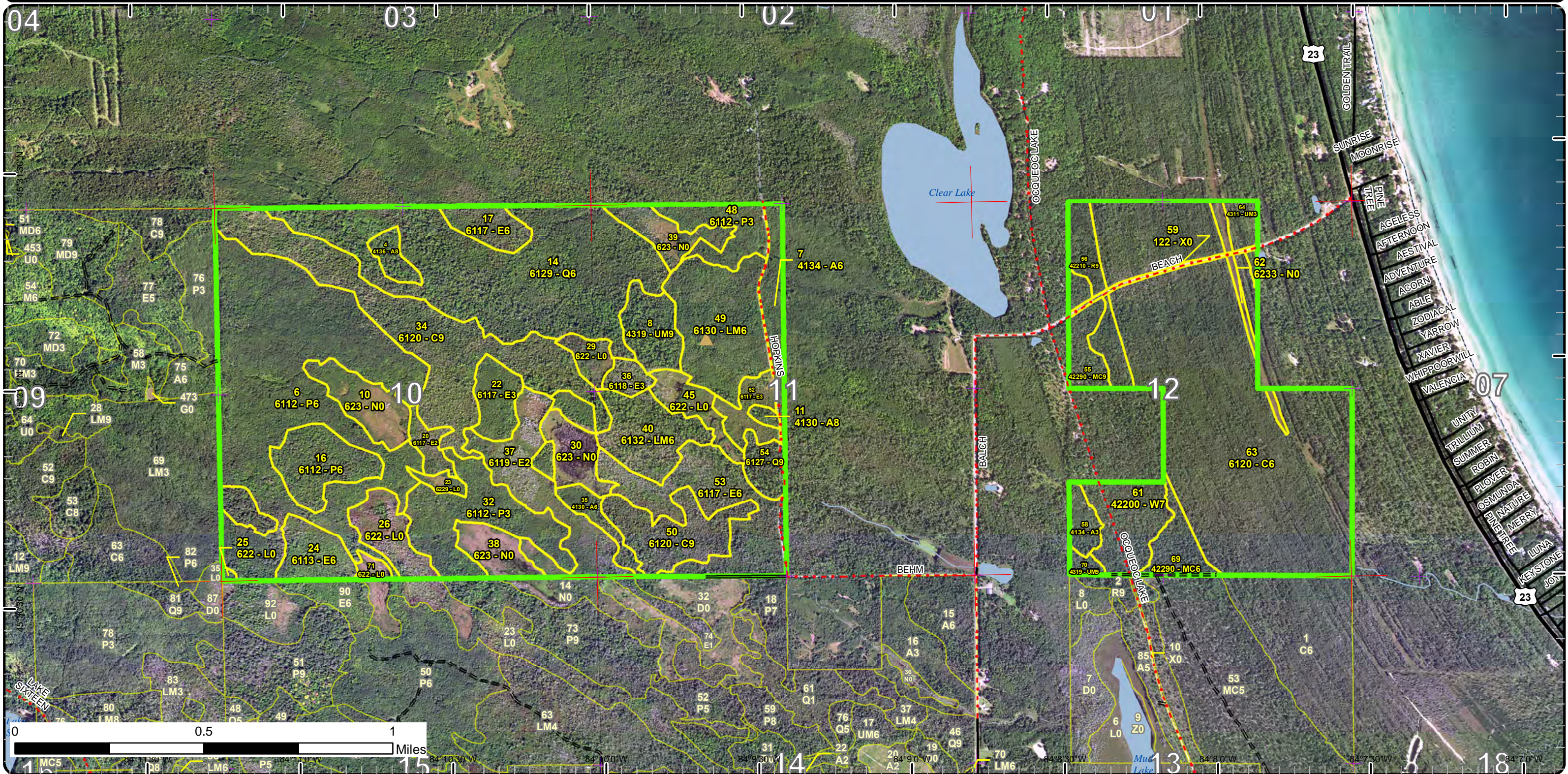


Stand Boundary Map

Compartment: 153
 T36N, R02E, Sec: 10-12
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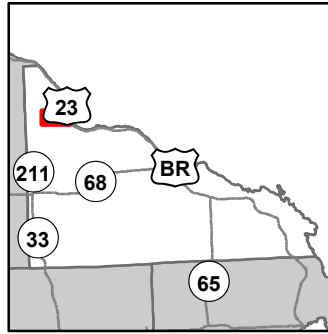


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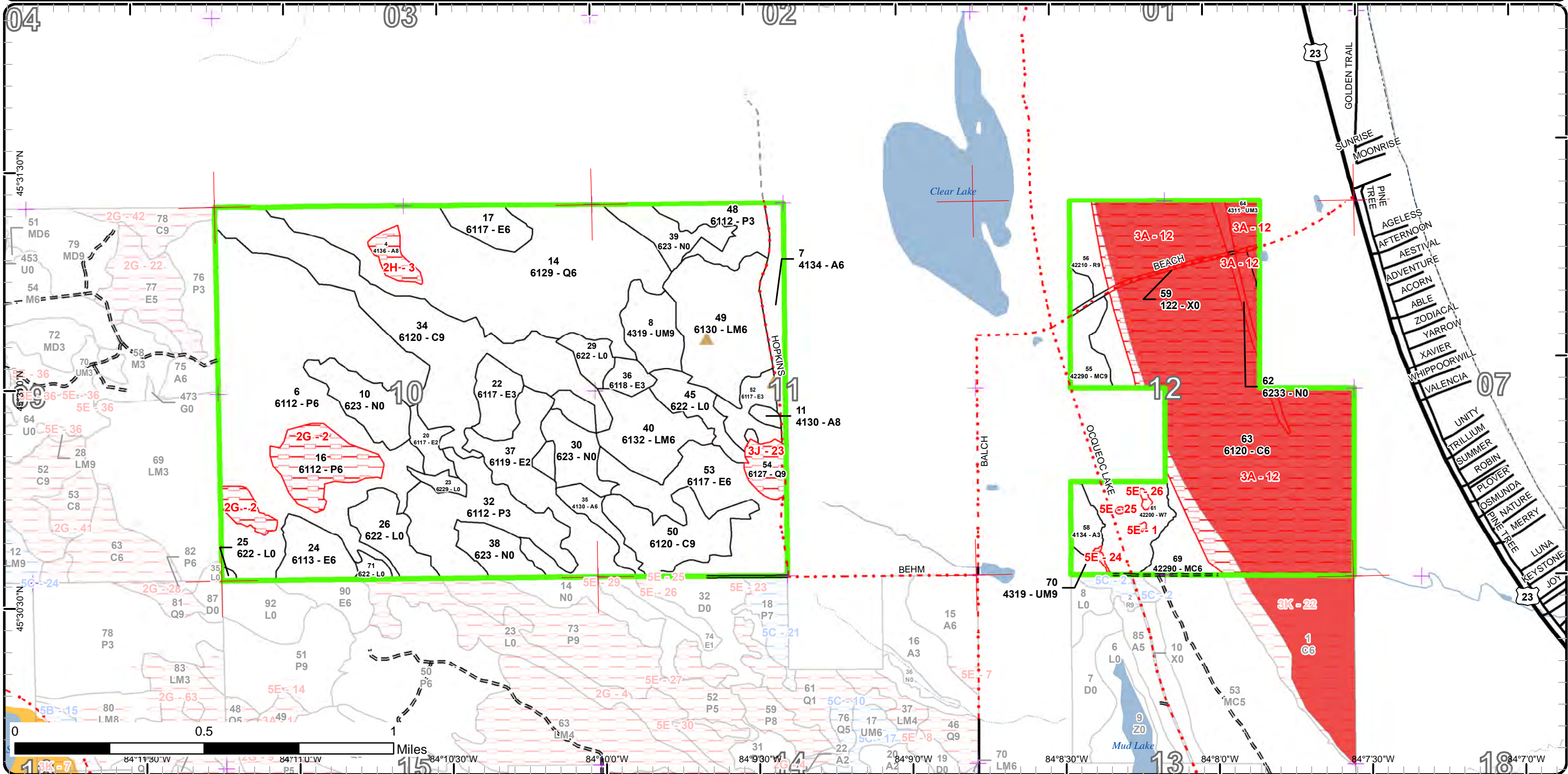


Special Conservation Areas

Compartment: 153
 T36N, R02E, Sec: 10-12
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- ▲ Berms
- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Compartment Boundary
- Unavailable
- Non-Dedicated Natural Areas and National Natural Landmarks
- 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)
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas



Report 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit

Compartment 153 Year of Entry 2025

Trevor Kubitskey : Examiner



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	8	28	0	0	0	0	2	7	0	0	0	0	0	0	0	45
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	284	89	0	0	0	0	373
Lowland Aspen/Balsam Poplar	0	0	0	0	235	0	32	0	0	0	0	0	0	0	0	0	0	0	267
Lowland Conifers	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	140	150
Lowland Deciduous	0	0	0	6	79	0	0	29	0	0	0	0	0	0	0	0	0	52	166
Lowland Mixed Forest	0	0	0	0	50	0	28	0	0	0	0	0	0	0	0	0	0	0	78
Lowland Shrub	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Marsh	69	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69
Natural Mixed Pines	0	0	0	0	0	0	14	0	0	15	0	0	0	0	0	0	0	0	29
Red Pine	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	19
Upland Mixed Forest	0	0	0	8	0	0	0	0	0	0	3	0	0	0	0	0	0	18	29
Urban	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
White Pine	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	0	27
Total	118	0	0	22	392	0	74	29	0	73	10	0	284	89	0	0	0	210	1301



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 153

Total Compartment Acres: 1,301

Commercial Harvest - 34
 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
Natural Mixed Pines	12	0	0	0	0	0	0	0	0	12
Red Pine	0	0	0	0	0	22	0	0	0	22
Total	12	0	0	0	0	22	0	0	0	34

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	34	0	0	0	0	0	27	0	0	61
Next Step	0	0	0	0	0	0	12	0	0	12
Total	34	0	0	0	0	0	39	0	0	72



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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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Proposed Treatments:

55	54153055-Cut	11.7	42290 - Natural Mixed Pine	Sawtimber Well	84	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Final Harvest all trees 4" and up. Retention will be left as clumps of 3-5 Wind firm, and mature Red/White Pine at a rate of 1 clump per 3 acres (total of 5 clumps). Potential legacy trees present, target these for the leave trees. Raptor spec, and restrict to dry or frozen conditions.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of mixed upland deciduous species (aspen, oak, cherry, red maple) and a minor component of mixed conifers such as Red/White/Jack Pine and Fir that meet minimum stocking criteria.</p> <p><u>Regen:</u></p> <p><u>Other</u> Corners are in. **Check intermediate monitoring treatment in stand 61 to the south**</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
56	54153056-Thin	22.2	42210 - Natural Red Pine	Sawtimber Well	84	111-140	Harvest	Crown Thinning	42210 - Natural Red Pine	Even-Aged	No
<p><u>Prescription</u> Thin down to ~80 sq ft. Mark through aspen clones, and mark Oak as needed. Raptor specs. Strict operating restrictions for very dry or frozen conditions to minimize soil disturbance.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Natural Red Pine with a white pine, mixed deciduous component</p> <p><u>Regen:</u></p> <p><u>Other</u> Do NOT extend treatment into stand 63. Proposed activity including timber management within RMZs adjacent to ERAs should be evaluated on a case-by-case basis and are/may be acceptable where there is minimal risk of soil disturbance and sedimentation, and minimal risk of negatively impacting ERA quality. Per Forestry BMP's, we are leaving residual 80 sq ft, so we can harvest up to the boundary.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											
61	54153061-Monitor	26.8	42200 - Natural White Pine	Sawtimber Poor	89	1-50	Monitoring	Natural Regen (Intermediate)	4310 - Pine, Oak Mix	Even-Aged	No
<p><u>Prescription</u> 2 year additional monitoring treatment to check the success rate of the seedling establishment that was observed in the original monitoring treatment.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Regen survey. Acceptable regeneration is any combination of aspen, oak, jack pine, red pine, or white pine resulting in a medium or well stocked stand. IF stand does not meet objective, plant to RP.</p> <p><u>Regen:</u></p> <p><u>Other</u> IF stand does not meet objectives, consider a variance to remove the natural regen monitoring, and harvest the remaining overstory with stands to the north and re-plant.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											

Total Treatment 60.7
Acres Proposed:

Report 4 – Site Conditions

Atlanta Mgt. Unit

Trevor Kubitskey : Examiner

Compartment: 153

Year of Entry: 2025

Availability for Management

Total	Acres	Acres Avail	Acres
Acres	Available	<i>With Condition</i>	Not Available

Dominant Site Conditions

2G 2H 3A 3J 5E

44	37	0	7	Aspen	2G	2H	3A	3J	5E
374	120	0	254	Cedar		7	254		0
267	235	0	32	Lowland Aspen/Balsam Poplar	32				
150	141	0	9	Lowland Conifers				9	
166	166	0	0	Lowland Deciduous					
79	79	0	0	Lowland Mixed Forest					
46	46	0	0	Lowland Shrub					
69	69	0	0	Marsh					
29	29	0	0	Natural Mixed Pines					
19	19	0	0	Red Pine					
29	21	0	8	Upland Mixed Forest			8		
3	3	0	0	Urban					
27	25	0	2	White Pine					2
1,301	989		312	Total Forested Acres	32	7	261	9	2
	76%		24%	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	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long Term Retention for Timber Sale No. 54-024-15-01, Sale Name: Ocqueoc Lake RP Mix							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Elevated water table will not allow for a harvest. Even within very dry or frozen conditions.							

Report 4 – Site Conditions

Atlanta Mgt. Unit

Trevor Kubitskey : Examiner

Compartment: 153

Year of Entry: 2025

3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Too wet and no good access.							
12	Unavailable	3A: Conservation Values incompatible with harvest at this time	261	3K: Rare or unique landforms	Unspecified	Unspecified	Unspecified
Comments: Hammond Bay Wooded Dune and Swale Complex.							
23	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments: streams , springs.							
24	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is long term retention from the harvest of the surrounding stand. Sale No. 54-024-15-01, Sale Name: Ocqueoc Lake RP Mix							
25	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long Term Retention for Timber Sale No. 54-024-15-01, Sale Name: Ocqueoc Lake RP Mix							
26	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is long term retention from the harvest of the surrounding stand. Sale No. 54-024-15-01, Sale Name: Ocqueoc Lake RP Mix							

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
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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4	4136 - Aspen, Mixed Conifer	Sawtimber Medium	6.9	97	81-110	N/A	Upland island. Aspen is pretty much dead. Stand is transitioning to a mixed conifer/deciduous stand. Heavy to red maple and balsam fir saps under the broken aspen canopy.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	2	Pole	8	
White Pine	5	XLog	26	
Paper Birch	3	Pole	7	
Balsam Fir	10	Pole	8	
Red Maple	20	Log/Pole	10	
Quaking Aspen	47	Log	14	97
Hemlock	5	Log	15	
Northern White Cedar	8	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Striped Maple	Medium	10 - 20 feet	Sapling
Balsam Fir	Medium	10 - 20 feet	Sapling
Beech	Low	< 5 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling
Black Ash	Low	Variable	Sapling

6	6112 - Lowland Aspen	Poletimber Well	172.1	37	81-110	N/A	Large lowland aspen/fir stand. Stand was cut sometime between 1988 and 1990 based on TCR's. Pine Corner Block 54-023-85. Everything 4" and up was cut. Lots of advanced fir regen. Mostly lowland with upland ridges. Lots of drainages flowing west to east. Does contain operable areas but still very wet. Old skid trails still visible, but contain standing or flowing water. Did not see all areas of the stand (far east and south) due to time restraints, difficult walking and water. Seems to have better stocking of aspen in the north half. South portions seem to contain the most water. Scattered canopy openings filling in with tag and black ash. Imagery shows some larger diameter pockets in the far south.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	2	Pole	9	
Quaking Aspen	30	Pole	8	37
Paper Birch	3	Pole/Sapling	5	
Red Maple	10	Pole	7	
Balsam Fir	30	Pole/Sapling	4	
Balsam Poplar	25	Pole	7	37

Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	Medium	10 - 20 feet	Sapling
Red Osier Dogwood	Medium	< 5 feet	Tall Shrub
Serviceberry (Juneberry)	Low	10 - 20 feet	Sapling
Black Spruce	Low	< 5 feet	Seeding
Tag Alder	High	5 - 10 feet	Tall Shrub
Black Ash	Medium	5 - 10 feet	Sapling
Red Maple	Medium	5 - 10 feet	Sapling
White Pine	Low	< 5 feet	Seeding
Balsam Fir	High	10 - 20 feet	Sapling

7	4134 - Aspen, Spruce/Fir	Poletimber Well	16.0	36	51-80	N/A	Harvested in late 1986 leaving scattered conifer/pine. Stand is mostly upland with a few low spots mostly in the north with a drainage and a creek flowing through from stand 48/39. 1998 imagery gives a good idea of the drainage. Pockets of scattered pine throughout.
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Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	5	Log/Pole	10	
Paper Birch	5	Pole/Sapling	5	
Red Maple	10	Pole/Sapling	5	
Quaking Aspen	40	Pole	5	36
Balsam Poplar	5	Pole/Sapling	5	
Balsam Fir	20	Sapling/Pole	4	
Red Oak	2	Pole	5	
Black Spruce	5	Pole	6	
Red Pine	4	Pole/Log/Sap	9	
White Pine	4	Log/Pole/Sap	10	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	5 - 10 feet	Sapling
Black Spruce	Low	< 5 feet	Seeding
Balsam Fir	High	Variable	Sapling
Black Ash	Medium	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																							
8	4319 - Mixed Upland Forest	Sawtimber Well	18.1	136	111-140	N/A	Legacy White Pines and Hemlock with scattered over mature aspen and mixed deciduous. Cedar groves on the edges. Stand sits up on a slight ridge, with some swales of lower ground that contain mostly Cedar. Stand in areas is starting to show natural succession, with canopy gaps being created from declining overstory trees. Supercanopy White Pines and Legacy Hemlocks in very good shape. Looking at the ownership cards, there were some small harvests within the stand between 1980-1990.																																																																																							
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10	623 - Emergent Wetland	Nonstocked	19.8		Unspecified	No	Scattered timber, marsh grasses, mixed shrubs.																																																																																							
11	4130 - Aspen	Sawtimber Medium	2.1	85	51-80	N/A	Small upland island. Heavy mixed upland deciduous sub-canopy. Nice scattered conifer component throughout. Overmature aspen that seems to have been left from the past harvests.																																																																																							
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14	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	140.3	107	111-140	N/A	Large lowland complex. Old records show minor 'deer-yard' type cuts in the mid 50's. Some very nice legacy Hemlock and White Pine within the stand. Overall the stand transitions from true cedar groves, into the large XLog Hemlock, White Pine groves, into dense fir sapling pockets into more aspen, red maple, birch. Large variety of ages and sizes. The topo of the stand is interesting due to the fact that it almost is slightly upland in a lot of places (easy walking, no standing water) but then drops down into dense tag alder, water pockets. Canopy gaps starting to naturally occur. Some cedar and hemlock seedling establishment observed somewhat in the 50-75% canopy cover range.																																																																																							
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16	6112 - Lowland Aspen	Poletimber Well	32.0	56	81-110	N/A	Stand was excluded from the large harvest blocks in the 80's/90's. Appears to have been mostly aspen, with the larger diameters logs falling apart. Smaller aspen present but starting to give way to fir/mixed conifers. Was not able to see the whole stand. Based on the area, some portions are probably operable, while some are too wet.																																																									
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17	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	12.3	67	81-110	N/A	Stand contains a small drainage along the south edge that runs through the adjacent stand 14 and into stand 39. A small cedar ridge/grove is present within the NW corner.																																																									
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20	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Medium	7.2	33	Unspecified	N/A	Was not able to make it to this stand due to very wet conditions and difficult traversing. Portions (edges) were cut with the surrounding stands (6 and 32) in the late 80's, early 90's. Even from the 1998 imagery this stand was too wet for them to cut. From current imagery, the textures and colors indicate a lowland mixed/lowland deciduous stand with some mixed conifer. Looks to also contain some drainages/flowing water from stand 10 into 23 and 37.																																																									
22	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	19.0	33	51-80	N/A	Harvested in the late 80's/early 90's removing everything 4" and up. Appears to have left a significant amount of fir. Did not see the far south of the stand but appears to get wetter moving south. Heavier to conifers to areas.																																																									
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23	6229 - Mixed lowland shrub	Nonstocked	3.4		Unspecified	No	Mostly tag with scattered timber.																																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
24	6113 - Lowland Maple	Poletimber Well	16.6	63	81-110	N/A	Did not see all the stand. Drainage in the east portion. More conifer in the NW. Wet. Almost transitioning into a lowland shrub. Slightly more upland ridges in areas.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		60	Pole	7	63	Black Ash		
Black Ash		5	Pole	6		Tag Alder		
Balsam Fir		25	Pole/Sapling	6		Balsam Fir		
Quaking Aspen		10	Pole/Log	9				
25	622 - Lowland Shrub	Nonstocked	0.7		Unspecified	No		
26	622 - Lowland Shrub	Nonstocked	17.6		Unspecified	No	Scattered islands of trees. Mostly lowland shrubs. Almost an E4/5 appearance in the south.	
29	622 - Lowland Shrub	Nonstocked	7.7		Unspecified	No	Mixed lowland shrub. Contains a small pocket of Red Maple/Lowland Hardwood in the west. Standing water present.	
Sub-Canopy Species		Density	Avg. Height	Size				
Red Maple		Medium	>20 feet	Pole				
Tamarack		Low	Variable	Pole				
Tag Alder		High	5 - 10 feet	Tall Shrub				
Red Osier Dogwood		Medium	< 5 feet	Tall Shrub				
30	623 - Emergent Wetland	Nonstocked	14.8		Unspecified	No	Flooded timber, some open water and mixed shrubs on the edges.	
32	6112 - Lowland Aspen	Sapling Well	43.6	33	51-80	N/A	Possibly was coded as upland last entry but very saturated with water along with portions contains standing water as well. Stand was cut sometime between 1988 and 1990 based on TCR's. Pine Corner Block 54-023-85. Winter cut everything 4" and up.. 1998 imagery shows a significant reduction of the water table in the area. There is an upland pine ridge that follows the south edge with a higher water table moving north. Paper birch is coming in nice in areas. Unless there is significant water reduction in the area, I don't think we will be able to cut this again. Transitions into more of an E3 stand in the west.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Pine		5	Pole/Log	8		Paper Birch		
Red Maple		15	Sapling/Pole	4	33	Black Ash		
Paper Birch		15	Sapling/Pole	4		Black Spruce		
Quaking Aspen		30	Sapling/Pole	4	33	Tag Alder		
Balsam Fir		10	Sapling/Pole	4		Balsam Fir		
Black Ash		5	Sapling	3				
White Pine		5	Pole/Log	9				
Balsam Poplar		15	Sapling/Pole	4				
34	6120 - Lowland Cedar	Sawtimber Well	89.1	120	141-170	N/A		Large cedar complex. Some 'upper' grounds containing the deciduous component. Did not observe the far south finger. Some areas of blowdown resulting in more tag and mixed deciduous saplings. Age on the cedar is rough. Observed cores within the field that ranged from ~110-130. More broken canopy to the far west.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		10	Pole	7		Red Maple		
Quaking Aspen		5	Log/Pole	11		Tag Alder		
Paper Birch		5	Log/Pole	10		Black Spruce		
Northern White Cedar		70	Pole/Log	9	120	Black Ash		
Balsam Fir		5	Pole	7		Balsam Fir		
White Pine		5	XLog	20				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
35	4130 - Aspen	Poletimber Well	11.5	33	51-80	N/A	Stand was cut sometime between 1988 and 1990 based on TCR's. Pine Corner Block 54-023-85. Stand might be borderline upland with low. The two isolated pockets to the north seem to be more higher and drier and the southern sliver contains some lowland hardwood/floodplain appearance. Mostly likely will never be able to harvest again due to the extreme increase in the water level since the 80's.																																																								
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36	6118 - Lowland Deciduous with Cedar	Sapling Well	6.0	25	1-50	N/A	Original stand (Cedar, Lowland Hardwoods, lowland aspen) is falling apart due to possibly elevated water table. Very thick sub-canopy of red maple and ash. Some tag alder in the center. Very difficult to walk through due to lots of blowdown and dense subcanopy.																																																								
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37	6119 - Mixed Lowland Deciduous Forest	Sapling Medium	40.9	33	1-50	N/A	Essentially a large floodplain. Contains flowing water along with standing dead elm and ash. Most timber is growing on sedge mats. Did NOT see the entire thing. Based on imagery there is some larger aspen in the northern parts. Way to wet and dense to walk through in the majority of the stand.																																																								
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38	623 - Emergent Wetland	Nonstocked	13.5		Unspecified	No	Mixed shrub/sedges in the north transitioning into open water to the south.																																																								
39	623 - Emergent Wetland	Nonstocked	14.5		Unspecified	No	Emergent wetland / Treed wetland																																																								
40	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	28.4	56	51-80	N/A	Only was able to observe from the edges. Portions were harvested with the adjacent stand 53 to the south but some areas were not touched. Contains multiple age classes. Intermixed pockets of overmature aspen, then transitions into sapling/pole red maple, ash, with tag alder.																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
45	622 - Lowland Shrub	Nonstocked	13.4		Unspecified	No	Large beaver flooding with a series of dams. Heavy to tag alder with a mix of lowland deciduous and mixed conifers on the edges.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								Black Spruce	Low	5 - 10 feet	Sapling	
								Red Osier Dogwood	Medium	< 5 feet	Tall Shrub	
								Paper Birch	Low	10 - 20 feet	Sapling	
								Tag Alder	High	5 - 10 feet	Tall Shrub	
Black Ash	High	5 - 10 feet	Sapling									
48	6112 - Lowland Aspen	Sapling Well	19.4	35	1-50	N/A	Harvested in 1988 with the stands to the south. Significant water flowing through the south end and the north central. Portions transition from Fir, to lowland hardwoods, to tag, to aspen to more LM. Lots of sub merchantable stems still.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Black Ash	5	Sapling/Pole	2	
								Red Maple	25	Pole/Sapling	5	
								Paper Birch	5	Sapling/Pole	5	
								Black Spruce	5	Sapling/Pole	4	
								Balsam Poplar	15	Sapling/Pole	4	35
								Quaking Aspen	25	Pole/Sapling	5	35
								Balsam Fir	20	Sapling	3	
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								Red Maple	High	5 - 10 feet	Sapling	
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								Black Ash	High	5 - 10 feet	Sapling	
Red Osier Dogwood	Low	< 5 feet	Tall Shrub									
Balsam Fir	Medium	Variable	Sapling									
49	6130 - Fir, Aspen, Maple	Poletimber Well	50.1	36	81-110	N/A	Harvested 1986-88 leaving all conifer/pine. Same time as the stand to the north. This stand sits up on a drier plateau than stand 48 to the north but I don't feel confident calling it a true upland with low. Stand contains higher knolls with scattered drainages throughout with standing water. Old access road cuts through the upland areas of the stand. Variable diameters as well as stocking levels. Balsam fir is very dense in patches. Some areas of blowdown present.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Paper Birch	5	Pole/Sapling	5	
								Northern White Cedar	5	Log/Pole	10	
								Red Maple	15	Pole	6	
								Balsam Fir	35	Sapling/Pole	4	
								Black Spruce	3	Pole	6	
								Red Pine	2	Pole	6	
								Quaking Aspen	35	Pole/Sapling	6	36
								Sub-Canopy Species	Density	Avg. Height	Size	
								Paper Birch	Low	10 - 20 feet	Sapling	
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								Balsam Fir	High	10 - 20 feet	Sapling	
Tag Alder	Medium	5 - 10 feet	Tall Shrub									
Red Oak	Low	5 - 10 feet	Sapling									
Sugar Maple	Trace	10 - 20 feet	Sapling									
Red Maple	Medium	10 - 20 feet	Sapling									
50	6120 - Lowland Cedar	Sawtimber Well	30.5	114	111-140	N/A	Cedar primarily within the central portions. Red Maple, aspen pockets along the west and east edges. Some blowdown present. Interesting terrain. Contains saturated rocky ground. Cedar diameters variable from small poles to Xlogs.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Paper Birch	5	Pole/Log	8	
								White Pine	2	XLog	27	
								Red Maple	5	Pole/Log	9	
								Balsam Fir	5	Pole	7	
								Quaking Aspen	5	Log/Pole	13	
								Northern White Cedar	70	Pole/Log	8	114
								Tamarack	3	Pole	7	
								Balsam Poplar	5	Log	14	
								Sub-Canopy Species	Density	Avg. Height	Size	
								Black Spruce	Medium	< 5 feet	Seeding	
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52	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	11.9	30	1-50	N/A	Was not able to find any cutting record. Ownership cards don't show any treatments within the stand. Water fluctuations most likely due to beaver activity over the years have changed the direction and characteristics of the stand. 1998 imagery show significantly less water. Overall a sapling sized lowland deciduous stand. Scattered poles/logs of red maple, aspen. Wet and very dense. Small upland island in the north used for a landing.																																																																									
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53	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	52.0	35	51-80	N/A	Stand appears to have been treated at a similar time to the adjacent stands to the west. Slightly older and more developed. Strips/pockets of pole/log conifers (cedar, spruce and fir) with pockets of lowland deciduous saps and some tag alder. Scattered XLog White Pines. Northern portions near stand 40 are slightly wetter. Tough walking in the majority of the stand. Areas of slightly drier pockets with mostly red maple. Definitely appears as a 3 aged stand. E3/Q5/E7/P7																																																																									
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54	6127 - Lowland Pine	Sawtimber Well	9.7	86	141-170	N/A	Flowing water from a beaver dam splits the stand in half. Flows west to east. Northern portion is dominated by white pine and fir with scattered red pine and aspen. South portion is mostly aspen, red maple with scattered Red Pine. Scattered drainages with flowing water coming from stand 52. Very wet.																																																																									
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55	42290 - Natural Mixed Pine	Sawtimber Well	15.0	84	81-110	N/A	Similar to stand 56 with a slightly heavier deciduous and jack pine component. Jack pine and aspen are falling out. Scattered legacy red/white pine.																																																																									
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56	42210 - Natural Red Pine	Sawtimber Well	18.9	84	111-140	N/A	Could not find any planting records for this stand. Does appear to be natural based on the highly variable stocking levels. The deciduous component seems to be minimal to none, with the aspen that is present becoming over mature and falling apart. North half contains slightly smaller diameters in the red and white pine.																																																														
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58	4134 - Aspen, Spruce/Fir	Sapling Well	7.7	24	1-50	N/A	Brushy stand. Majority of stand sits up on a ridge then drops down from a ridge along the east and north side. Does contains some 'seeps' on the upland portions. Nice thick aspen, conifer component with scattered log mast Oak. Good wildlife stand. Transitions in and out of aspen, mixed conifers, and Oak.																																																														
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59	122 - Road/Parking Lot	Nonstocked	3.3		Unspecified	No	Beach HWY																																																														
61	42200 - Natural White Pine	Sawtimber Poor	26.8	89	1-50	N/A	Harvest completed in November 2019 under contract 54-024-15 Ocqueoc Lake RP Mix. All White pine over 4.5" DBH were left in addition to any marked Red Pine. Full-Tree skidding was required with snow off conditions for scarification. Overall pine establishment is impressive. Some areas are better than others. The featured stand is the overstory pines due to the canopy cover being 25-50%. White Pine sizes vary from 20+ all the way to 6". Lots of advanced pine regen as well 5-20 ft. MC7, MC2																																																														
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62	6233 - Wet Meadow	Nonstocked	6.5		Unspecified	No	Contains areas of open water. Grasses/Sedges dominate south of Beach HWY.																																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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63	6120 - Lowland Cedar	Poletimber Well	253.9	114	141-170	N/A	Large Wooded Dune and Swale Complex. Overall pretty consistent. Some pockets of legacy Red and White Pine. Ares of dense sapling, small pole stems along Beach Rd, but more true Cedar swamp further interior and to the south. Scattered areas of blowdown. Moving east, there is more of an upland pine mix component on the ridges as well.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Balsam Fir		5	Pole	6		Black Ash		Medium	5 - 10 feet	Sapling	
Northern White Cedar		65	Pole/Log/Sap	8	114	Northern White Cedar		Medium	5 - 10 feet	Sapling	
Tamarack		5	Pole	7		Balsam Fir		Medium	Variable	Sapling	
White Pine		3	XLog	19		Tag Alder		Medium	5 - 10 feet	Tall Shrub	
Quaking Aspen		5	Log/Pole	10		White Pine		Low	Variable	Sapling	
Paper Birch		5	Pole/Sapling	6		Red Osier Dogwood		Medium	< 5 feet	Tall Shrub	
Red Pine		2	XLog/Log	18		Black Spruce		Low	< 5 feet	Sapling	
Black Spruce		10	Pole	7	92						

64	4311 - Pine, Aspen Mix	Sapling Well	7.6	26	1-50	N/A	Stand harvested in 1997. Overall upland with lowland. Contains true ridges and swales with the swales containing tag alder, dogwood, and standing water. Interesting species mix with the lowland/upland interface. Some of the Jack Pine has established within the lower areas.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black/Red (Hybrid) Oak		3	Pole/Sapling	5		Balsam Fir		Low	5 - 10 feet	Sapling	
Paper Birch		5	Sapling	3		Black Spruce		Low	< 5 feet	Sapling	
Red Maple		7	Sapling/Pole	4		Tag Alder		Low	5 - 10 feet	Tall Shrub	
Bigtooth Aspen		35	Sapling/Pole	3	26	Red Osier Dogwood		Low	< 5 feet	Tall Shrub	
Red Pine		2	Pole	7		White Pine		Low	5 - 10 feet	Sapling	
Balsam Fir		3	Pole/Sapling	5		Northern White Cedar		Low	5 - 10 feet	Sapling	
White Pine		3	Pole/Log	9		Red Pine		Trace	< 5 feet	Sapling	
Quaking Aspen		5	Sapling/Pole	3							
Northern White Cedar		2	Pole/Sapling	6							
Jack Pine		35	Sapling/Pole	3							

69	42290 - Natural Mixed Pine	Poletimber Well	13.8	53	51-80	N/A	Legacy Red and White Pine present mostly in the north. Transitions to more scrubby White and Jack Pine in the south. Scattered aspen, red maple and oak throughout. Was not able to find any planting records on the Ownership cards, but does have a planted appearance in the south. Scattered pockets of white pine and red pine regen. Overall pole stand, with larger diameters in the north transitioning into smaller, more dense in the south.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Pine		35	Pole/Log/XLog	9	53	Balsam Fir		Low	5 - 10 feet	Sapling	
Red Maple		5	Pole/Log	9		Red Pine		Medium	Variable	Sapling	
Bigtooth Aspen		5	Log	10		Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling	
Black/Red (Hybrid) Oak		5	Log/Pole	12		White Pine		Medium	10 - 20 feet	Sapling	
Jack Pine		35	Pole	7							
Red Pine		15	Log/XLog/Pole	12	97						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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70	4319 - Mixed Upland Forest	Sawtimber Well	3.0	97	81-110	N/A	Stand sits somewhat up on an isolated island. There is a tag alder swale that runs along the NE side. Mostly mature Red pine with mixed deciduous.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Jack Pine		5	Pole	8		Balsam Fir		Low	< 5 feet	Sapling	
Paper Birch		5	Pole/Log	9		Red Maple		Low	10 - 20 feet	Sapling	
Red Pine		30	Log/XLog/Pole	16	97	White Pine		Medium	10 - 20 feet	Sapling	
Northern Pin Oak		12	Pole/Log	8	97						
Quaking Aspen		30	Log/Pole	10							
White Pine		2	Log	12							
Balsam Fir		8	Pole	7							
Red Maple		8	Pole/Log	9							

71	622 - Lowland Shrub	Nonstocked	3.2		Unspecified	No	Drainage along with mixed lowland shrubs.
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